

Appendix B

Field Data Sheets

FIELD DATA SHEET

RIVERSIDE COUNTY

WATERSHED PROTECTION



STATION ID: 802MBU652		SAMPLE DATE (MM/DD/YYYY): 11/29/2018																																	
STATION NAME: McVicker Basin/ Leach Canyon Upstream		WATERSHED: <input checked="" type="checkbox"/> SAR <input type="checkbox"/> SMR <input type="checkbox"/> WWR																																	
PROJECT NAME: SAR Post-Fire		Within: <input type="checkbox"/> Unincorp. or																																	
CONVEYANCE TYPE: 36" RCP Outfall		<input type="checkbox"/> City of																																	
GPS INFO: Lat 33°41'14.99"N Long 117°24'12.27"W GPS Unit:		<input type="checkbox"/> Receiving Water <input type="checkbox"/> Within IAH																																	
PRINTED NAMES of Sampling Team: Austin Kay / Carbaney Becerri / Robert Collacott		<input checked="" type="checkbox"/> Outfall, Owner:																																	
SIGNATURE of lead sampler:		Sampling AGENCY: Alta																																	
SAMPLE INFORMATION		<input type="checkbox"/> VISITED, NOT SAMPLED (TIME:)																																	
EVENT CATEGORY: <input checked="" type="checkbox"/> Wet Weather (Storm) OR <input type="checkbox"/> Dry Weather		<input type="checkbox"/> Recon, IC/ID, or Complaint																																	
<input checked="" type="checkbox"/> 1 st <input type="checkbox"/> 2 nd <input type="checkbox"/> 3 rd <input type="checkbox"/> 4 th		<input type="checkbox"/> Other																																	
SAMPLE ID(s) [# of Bottles]: McVicker-01 [2] McVicker-01-C [10]																																			
STREAM FLOW: Dry: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Ponded: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Rising Groundwater: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Connects to Surface Receiving Water <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Dry weather event u/s influence: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		TYPE (check all that apply): <input checked="" type="checkbox"/> Primary-Grab (-01) SAMPLE DATE: 11/29/2018 SAMPLE TIME: 11:10 <input checked="" type="checkbox"/> Primary-Composite (-01-C) DATE: 11/29/2018 TIME: 12:14 (COC last aliquot) <input type="checkbox"/> Field DUP-Grab (-02) DATE: TIME: (COC last aliquot) <input type="checkbox"/> Field DUP-Composite (-02-C) DATE: TIME: (COC last aliquot) <input type="checkbox"/> Field Blank (-03) DATE: TIME: (COC last aliquot) <input type="checkbox"/> Travel Blank (-04) DATE: TIME: <input type="checkbox"/> Other:																																	
FIELD PARAMETERS		SITE CONDITIONS																																	
Time Measured: 11:16 <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Result (primary/dup)</th> <th>Units</th> <th>Meter</th> <th>Calibration Date</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> Water Temp 13.6</td> <td>°C</td> <td>YSI Pro DSS</td> <td>11/29/2019</td> </tr> <tr> <td><input checked="" type="checkbox"/> pH 7.44</td> <td>SU</td> <td></td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> EC 0.680</td> <td>mS/cm</td> <td></td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> Turbidity 42.8</td> <td>NTU</td> <td></td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> DO 8.58</td> <td>mg/L</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> Salinity (RWs)</td> <td></td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Result (primary/dup)	Units	Meter	Calibration Date	<input checked="" type="checkbox"/> Water Temp 13.6	°C	YSI Pro DSS	11/29/2019	<input checked="" type="checkbox"/> pH 7.44	SU			<input checked="" type="checkbox"/> EC 0.680	mS/cm			<input checked="" type="checkbox"/> Turbidity 42.8	NTU			<input checked="" type="checkbox"/> DO 8.58	mg/L			<input type="checkbox"/> Salinity (RWs)				<input type="checkbox"/>				PRECIPITATION: NOW: <input type="checkbox"/> None <input type="checkbox"/> Drizzle/Sprinkle <input checked="" type="checkbox"/> Rain <input type="checkbox"/> Hail/Snow Is there >72 hrs since previous rainfall event? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (A measurable rainfall event is an event with >0.1 inch of rain) [~ Storm Start Time: 11/29] [~ Storm End Time: 11/30] Total Rainfall Estimate: 1.8" Holy Tim Canyon ODOR: <input type="checkbox"/> None <input type="checkbox"/> Sulfides <input type="checkbox"/> Sewage <input checked="" type="checkbox"/> Smoke <input type="checkbox"/> Petroleum <input type="checkbox"/> Other: <input checked="" type="checkbox"/> Floatables Solids/organic <input checked="" type="checkbox"/> Settleables Solids/ash <input type="checkbox"/> Vegetation <input type="checkbox"/> Staining COLOR: <input type="checkbox"/> Colorless <input type="checkbox"/> Green <input type="checkbox"/> Yellow <input type="checkbox"/> Brown <input checked="" type="checkbox"/> Other Dark Brown CLARITY: <input type="checkbox"/> Clear (see bottom) <input type="checkbox"/> Cloudy <input checked="" type="checkbox"/> Murky Sheen Present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Result (primary/dup)	Units	Meter	Calibration Date																																
<input checked="" type="checkbox"/> Water Temp 13.6	°C	YSI Pro DSS	11/29/2019																																
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<input checked="" type="checkbox"/> DO 8.58	mg/L																																		
<input type="checkbox"/> Salinity (RWs)																																			
<input type="checkbox"/>																																			
FLOW ESTIMATION: <input checked="" type="checkbox"/> USGS Gauge height/stage 30 ft. est. from Q (cfs) = 61.5 [Gauge Name/No.: Alta Meter (Meter was damaged)] <input type="checkbox"/> Calculation by visual measurement: Q (cfs) = = [Coef(1,2/3,)]*[depth ft]*[width ft]*[vel fps] Circular pipe: [vel fps][depth ft][width ft][R= ft]																																			
COMPOSITE Samples: Auto/Grab, Flow/Time Weighted, 1 Hrs																																			
Time	H(in.)	Flow(cfs)	%																																
1 11:10			20																																
2 11:20			20																																
3 11:40			20																																
4 12:00			20																																
5 12:14			20																																
6																																			
7																																			
8																																			
9																																			
10																																			
11																																			
12																																			
Time	H(in.)	Flow(cfs)	%																																
13																																			
14																																			
15																																			
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21																																			
22																																			
23																																			
24																																			
TRASH: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No From: <input type="checkbox"/> Flows <input type="checkbox"/> Litter <input type="checkbox"/> Dumping <input type="checkbox"/> Other																																			
Observations/Notes		<input checked="" type="checkbox"/> Photograph(s)																																	
Monitoring stopped @ 12:14 due to evacuation orders, last sample taken off time schedule due to evacuation to ensure adequate volume for composite sample. See downstream field parameters to the right.		Time: 12:03 Temp: 14.6°C pH: 7.57 EC: 0.616 mS/cm Turb: 70.5 NTU D.O: 9.55 mg/L																																	
<input checked="" type="checkbox"/> Associated monitoring u/s, d/s (circle one or both and complete required FDS(s)) at: 802MBU653 12:03 see above																																			

FIELD DATA SHEET

RIVERSIDE COUNTY

WATERSHED PROTECTION



STATION ID: **801HCU650**

SAMPLE DATE (MM/DD/YYYY): **11/29/2018**

STATION NAME: **Horsethief Canyon Upstream**

WATERSHED: ☒ SAR ☐ SMR ☐ WWR

PROJECT NAME: **SAR Post-Fire**

Within: ☐ Unincorp. or

CONVEYANCE TYPE: **Catch Basin**

☐ City of

GPS INFO: Lat **33°43'7.58"N** Long **117°25'52.59"W** GPS Unit:

☐ Receiving Water ☐ Within IAH

PRINTED NAMES of Sampling Team: **Michelle Hallack / Courtney Henderson / Arshad**

☐ Outfall, Owner:

SIGNATURE of lead sampler: *[Signature]*

Sampling AGENCY: **Alta**

SAMPLE INFORMATION

☐ VISITED, NOT SAMPLED (TIME:)

EVENT CATEGORY: ☒ Wet Weather (Storm) OR ☐ Dry Weather

☐ Recon, IC/ID, or Complaint

☒ 1st ☐ 2nd ☐ 3rd ☐ 4th

☐ Other

SAMPLE ID(s) [# of Bottles]: **Horsethief-01 [2] Horsethief-01-C [10]**

STREAM FLOW:

Dry: ☐ Yes ☒ No Ponded: ☐ Yes ☒ No

Rising Groundwater: ☐ Yes ☒ No

Connects to Surface Receiving Water ☒ Yes ☐ No

Dry weather event u/s influence: ☐ Yes ☒ No

TYPE (check all that apply):

☒ Primary-Grab (-01)

SAMPLE DATE: **11/29/18** SAMPLE TIME: **10:30**

☒ Primary-Composite (-01-C)

DATE: **11/29/18** TIME: **12:10** (COC last aliquot)

☐ Field DUP-Grab (-02)

DATE: TIME:

☐ Field DUP-Composite (-02-C)

DATE: TIME: (COC last aliquot)

☐ Field Blank (-03)

DATE: TIME:

☐ Travel Blank (-04)

DATE: TIME: ☐ Other:

FIELD PARAMETERS

Time Measured: **10:42**

Result (primary/dup)	Units	Meter	Calibration Date
<input checked="" type="checkbox"/> Water Temp 14.3	°C	VST PRODS	11/28/2018
<input checked="" type="checkbox"/> pH 7.22	SU		
<input checked="" type="checkbox"/> EC 0.502	ms/cm		
<input checked="" type="checkbox"/> Turbidity 50.6	NTU		
<input checked="" type="checkbox"/> DO 8.82	mg/L		
<input type="checkbox"/> Salinity (RWs)			
<input type="checkbox"/>			

SITE CONDITIONS

PRECIPITATION:

NOW: ☐ None ☐ Drizzle/Sprinkle ☒ Rain ☐ Hail/Snow

Is there >72 hrs since previous rainfall event? ☐ Yes ☒ No

(A measurable rainfall event is an event with >0.1 inch of rain)

[~ Storm Start Time: **01/12/18**]

[~ Storm End Time: **23/11/30/18**]

Total Rainfall Estimate: **1.8 Holy Trinity Canyon**

ODOR: ☐ None ☐ Sulfides ☐ Sewage ☒ Smoke

☐ Petroleum ☐ Other:

☒ Floatables **Solids/organic debris** ☒ Settleables **Solids/ash/organics**

☐ Vegetation ☐ Staining

COLOR: ☐ Colorless ☐ Green ☐ Yellow ☐ Brown ☒ Other

Dark Brown

CLARITY: ☐ Clear (see bottom) ☐ Cloudy ☒ Murky

Sheen Present: ☐ Yes ☒ No

TRASH: ☐ Yes ☒ No

From: ☐ Flows ☐ Litter ☐ Dumping ☐ Other

Observations/Notes

☒ Photograph(s)

Flow not going through meter. Visually estimated by filling a bottle. Only flowing through a crack (hole) in the headwall from one basin.

Time: **11:08**
Temp: **13.7°C**
pH: **7.93**
EC: **0.457^{ms}/cm**
Turb: **1702.7 NTU**
D.O.: **9.12 %**

☒ Associated monitoring u/s, d/s (circle one or both and complete required FDS(s)) at: **801HCU651 see above**

FLOW ESTIMATION:

☒ USGS Gauge height/stage _____ ft Q (cfs) = _____
[Gauge Name/No.: **Alta meter (no flow through meter)**]

☒ Calculation by visual measurement: Q (cfs) = **201**
= [Coef(1,2,3,)]*[depth _____ ft]*[width _____ ft]*[vel _____ fps]

Circular pipe: [vel _____ fps][depth _____ ft][width _____ ft][R= _____ ft]

COMPOSITE Samples: **Auto/Grab, Flow/Time Weighted, 1.67 Hrs**

Time	H(in.)	Flow(cfs)	%	Time	H(in.)	Flow(cfs)	%
1 10:30			16.67	13			
2 10:50				14			
3 11:10				15			
4 11:30				16			
5 11:50				17			
6 12:10				18			
7				19			
8				20			
9				21			
10				22			
11				23			
12				24			

FIELD DATA SHEET

RIVERSIDE COUNTY

WATERSHED PROTECTION



STATION ID: **902ADB848**

SAMPLE DATE (MM/DD/YYYY): **11/29/2018**

STATION NAME: **Adobe Creek (REF)**

WATERSHED: ☒ SAR ☐ SMR ☐ WWR

PROJECT NAME: **SAR Post-Fire**

Within: ☐ Unincorp. or

CONVEYANCE TYPE: **Natural Creek**

☐ City of _____

GPS INFO: Lat **33.51336** Long **-117.26789** GPS Unit: _____

☐ Receiving Water ☐ Within IAH

PRINTED NAMES of Sampling Team: **Guth Engelhorn**

☐ Outfall, Owner: _____

SIGNATURE of lead sampler: _____

Sampling AGENCY: **Alta**

SAMPLE INFORMATION

☐ VISITED, NOT SAMPLED (TIME: _____)

EVENT CATEGORY: ☒ Wet Weather (Storm) ☐ OR ☐ Dry Weather

☐ Recon, IC/ID, or Complaint

☒ 1st ☐ 2nd ☐ 3rd ☐ 4th

☐ Other

SAMPLE ID(s) [# of Bottles]: **Adobe-01 [2], Adobe-01-C [10], Adobe-02 [2], Adobe-02-C [10], Adobe-03 [2], Adobe-03-C [8]**

STREAM FLOW:

Dry: ☐ Yes ☒ No Ponded: ☐ Yes ☒ No
Rising Groundwater: ☐ Yes ☒ No
Connects to Surface Receiving Water ☒ Yes ☐ No
Dry weather event u/s influence: ☐ Yes ☒ No

TYPE (check all that apply):

☒ Primary-Grab (-01)

SAMPLE DATE: **11/29/18** SAMPLE TIME: **12:30**

☒ Primary-Composite (-01-C)

DATE: **11/30/18** TIME: **06:01** (COC last aliquot)

☒ Field DUP-Grab (-02)

DATE: **11/29/18** TIME: **12:30**

☒ Field DUP-Composite (-02-C)

DATE: **11/30/18** TIME: **06:01** (COC last aliquot)

☒ Field Blank (-03)

DATE: **11/29/18** TIME: **13:00**

☐ Travel Blank (-04)

DATE: **11/30/18** TIME: **06:00** ☒ Other: **Adobe-03-C**

FIELD PARAMETERS

Time Measured: **12:31**

SITE CONDITIONS

Result (primary/dup)	Units	Meter	Calibration Date
<input checked="" type="checkbox"/> Water Temp 11.6	°C	VSE PRODS	11/28/18
<input checked="" type="checkbox"/> pH 7.51	SU		
<input checked="" type="checkbox"/> EC 0.470	mS/cm		
<input checked="" type="checkbox"/> Turbidity 0.8	NTU		
<input checked="" type="checkbox"/> DO 8.12	mg/L		
<input type="checkbox"/> Salinity (RWs)			
<input type="checkbox"/>			

PRECIPITATION:

NOW: ☐ None ☐ Drizzle/Sprinkle ☒ Rain ☐ Hail/Snow
Is there >72 hrs since previous rainfall event? ☒ Yes ☐ No
(A measurable rainfall event is an event with >0.1 inch of rain)

[~ Storm Start Time: **11/29**]

[~ Storm End Time: **11/30**]

Total Rainfall Estimate: **1.78** **Slyvan Meadows**

ODOR: ☒ None ☐ Sulfides ☐ Sewage ☐ Smoke
☐ Petroleum ☐ Other: _____

☐ Floatables ☐ Settlesables
☐ Vegetation ☐ Staining

COLOR: ☒ Colorless ☐ Green ☐ Yellow ☐ Brown ☐ Other

CLARITY: ☒ Clear (see bottom) ☐ Cloudy ☐ Murky
Sheen Present: ☐ Yes ☐ No

TRASH: ☐ Yes ☒ No
From: ☐ Flows ☐ Litter ☐ Dumping ☐ Other _____

Observations/Notes ☒ Photograph(s)

FLOW ESTIMATION:

☒ USGS Gauge height/stage **3.75** ft in. Q (cfs) = **3.52**
[Gauge Name/No.: **Alta meter**]

☐ Calculation by visual measurement: Q (cfs) = _____
= [Coef(1,2/3, _____)] * [depth _____ ft] * [width _____ ft] * [vel _____ fps]

Circular pipe: [vel _____ fps] [depth _____ ft] [width _____ ft] [R= _____ ft]

COMPOSITE Samples: **Auto/Grab, Flow/Time Weighted, 25 Hrs**

Time	H(in.)	Flow(cfs)	%	Time	H(in.)	Flow(cfs)	%
1	-see excel file			13			
2				14			
3				15			
4				16			
5				17			
6				18			
7				19			
8				20			
9				21			
10				22			
11				23			
12				24			

☐ Associated monitoring u/s, d/s (circle one or both and complete required FDS(s)) at:

FIELD DATA SHEET

RIVERSIDE COUNTY

WATERSHED PROTECTION



STATION ID: 802MBU652

SAMPLE DATE (MM/DD/YYYY): 01/14/2019

STATION NAME: McVicker Basin/ Leach Canyon Upstream

WATERSHED: ☒ SAR ☐ SMR ☐ WWR

PROJECT NAME: SAR Post-Fire

Within: ☐ Unincorp. or

CONVEYANCE TYPE: 36" RCP Outfall

☐ City of

GPS INFO: Lat 33°41'14.99"N Long 117°24'12.27"W GPS Unit:

☐ Receiving Water ☐ Within IAH

PRINTED NAMES of Sampling Team: Austin Kay / Bridgette Reddington

☒ Outfall, Owner:

SIGNATURE of lead sampler:

Sampling AGENCY: Alta

SAMPLE INFORMATION

☐ VISITED, NOT SAMPLED (TIME:)

EVENT CATEGORY: ☒ Wet Weather (Storm) OR ☐ Dry Weather

☐ Recon, IC/ID, or Complaint

☐ 1st ☒ 2nd ☐ 3rd ☐ 4th

☐ Other

SAMPLE ID(s) [# of Bottles]: McVicker-01 [2] McVicker-01-C [7]

STREAM FLOW:

Dry: ☐ Yes ☒ No Ponded: ☐ Yes ☒ No
Rising Groundwater: ☐ Yes ☒ No
Connects to Surface Receiving Water ☒ Yes ☐ No
Dry weather event u/s influence: ☐ Yes ☒ No

TYPE (check all that apply):

☒ Primary-Grab (-01)

SAMPLE DATE: 1/14/2019 SAMPLE TIME: 15:40

☒ Primary-Composite (-01-C)

DATE: 1/14/2019 TIME: 19:20 (COC last aliquot)

☐ Field DUP-Grab (-02)

DATE: TIME:

☐ Field DUP-Composite (-02-C)

DATE: TIME: (COC last aliquot)

☐ Field Blank (-03)

DATE: TIME:

☐ Travel Blank (-04)

DATE: TIME: ☐ Other:

FIELD PARAMETERS

Time Measured: 15:44

SITE CONDITIONS

Result (primary/dup)	Units	Meter	Calibration Date
<input checked="" type="checkbox"/> Water Temp 10.5	°C	VSI PRODS	1/14/2019
<input checked="" type="checkbox"/> pH 7.79	SU		
<input checked="" type="checkbox"/> EC 0.238	mS/cm		
<input checked="" type="checkbox"/> Turbidity 945.28	NTU		
<input checked="" type="checkbox"/> DO 9.78	mg/L		
<input type="checkbox"/> Salinity (RWs)			
<input type="checkbox"/>			

PRECIPITATION:

NOW: ☐ None ☐ Drizzle/Sprinkle ☒ Rain ☐ Hail/Snow
Is there >72 hrs since previous rainfall event? ☒ Yes ☐ No
(A measurable rainfall event is an event with >0.1 inch of rain)

[~ Storm Start Time: 14:00]

[~ Storm End Time: 23:00]

Total Rainfall Estimate: 0.71 Holy Jim Canyon

ODOR: ☐ None ☐ Sulfides ☐ Sewage ☒ Smoke
☐ Petroleum ☐ Other:

☒ Floatables ☒ Settles ☒ Staining

COLOR: ☐ Colorless ☐ Green ☐ Yellow ☐ Brown ☒ Other

Dark Brown

CLARITY: ☐ Clear (see bottom) ☐ Cloudy ☒ Murky

Sheen Present: ☐ Yes ☒ No

TRASH: ☐ Yes ☒ No

From: ☐ Flows ☐ Litter ☐ Dumping ☐ Other

Observations/Notes

☒ Photograph(s)

Flow was present from antecedent conditions. Samples were taken once flow was observed from the main canyon.

Time: 16:32

Temp: 11.0°C

pH: 7.70

EC: 0.169 mS/cm

Turb: 1497.29 NTU

D.O.: 10.38 mg/L

☒ Associated monitoring u/s, d/s (circle one or both and complete required FDS(s)) at: 802MBU653 see above

FLOW ESTIMATION:

☐ USGS Gauge height/stage 8.2" ft in Q (cfs) = 7.6
[Gauge Name/No.: Alta met v]
☐ Calculation by visual measurement: Q (cfs) =
= [Coef(1,2/3,)]*[depth ft]*[width ft]*[vel fps]

Circular pipe: [vel fps][depth ft][width ft][R= ft]

COMPOSITE Samples: Auto/Grab, Flow/Time Weighted 4.67 Hrs

Time	H(in.)	Flow(cfs)	%	Time	H(in.)	Flow(cfs)	%
1 14:40		6.67		13 18:40		6.67	
2 15:00		6.67		14 19:00			
3 15:20		6.67		15 19:20			
4 15:40		6.67		16			
5 16:00		6.67		17			
6 16:20		6.67		18			
7 16:40		6.67		19			
8 17:00		6.67		20			
9 17:20		6.67		21			
10 17:40		6.67		22			
11 18:00		6.67		23			
12 18:20		6.67		24			

FIELD DATA SHEET

RIVERSIDE COUNTY

WATERSHED PROTECTION



STATION ID: 801HCU650 SAMPLE DATE (MM/DD/YYYY): 01/14/2019

STATION NAME: Horsethief Canyon Upstream WATERSHED: ☒ SAR ☐ SMR ☐ WWR

PROJECT NAME: SAR Post-Fire Within: ☐ Unincorp. or

CONVEYANCE TYPE: Catch Basin ☐ City of _____

GPS INFO: Lat 33°43'7.58"N Long 117°25'52.59"W GPS Unit: _____ ☐ Receiving Water ☐ Within IAH

PRINTED NAMES of Sampling Team: Garth Engellorn ☐ Outfall, Owner: _____

SIGNATURE of lead sampler: [Signature] Sampling AGENCY: Alta

SAMPLE INFORMATION ☒ VISITED, NOT SAMPLED (TIME: 20:00)

EVENT CATEGORY: ☒ Wet Weather (Storm) OR ☐ Dry Weather ☐ Recon, IC/ID, or Complaint

☐ 1st ☒ 2nd ☐ 3rd ☐ 4th ☐ Other

SAMPLE ID(s) [# of Bottles]: Horsethief-01 [] Horsethief-01-C []

STREAM FLOW:

Dry: ☐ Yes ☐ No Ponded: ☐ Yes ☒ No

Rising Groundwater: ☐ Yes ☒ No

Connects to Surface Receiving Water ☐ Yes ☐ No

Dry weather event u/s influence: ☐ Yes ☐ No

TYPE (check all that apply):

☐ Primary-Grab (-01) SAMPLE DATE: _____ SAMPLE TIME: _____

☐ Primary-Composite (-01-C) DATE: _____ TIME: _____ (COC last aliquot)

☐ Field DUP-Grab (-02) DATE: _____ TIME: _____

☐ Field DUP-Composite (-02-C) DATE: _____ TIME: _____ (COC last aliquot)

☐ Field Blank (-03) DATE: _____ TIME: _____

☐ Travel Blank (-04) DATE: _____ TIME: _____ ☐ Other: _____

FIELD PARAMETERS Time Measured: _____

Result (primary/dup)	Units	Meter	Calibration Date
<input type="checkbox"/> Water Temp	_____	_____	_____
<input type="checkbox"/> pH	_____	_____	_____
<input type="checkbox"/> EC	_____	_____	_____
<input type="checkbox"/> Turbidity	_____	_____	_____
<input type="checkbox"/> DO	_____	_____	_____
<input type="checkbox"/> Salinity (RWs)	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____

FLOW ESTIMATION:

☐ USGS Gauge height/stage _____ ft Q (cfs) = _____

[Gauge Name/No.: _____]

☐ Calculation by visual measurement: Q (cfs) = _____

= [Coef(1,2/3, _____)]*[depth _____ ft]*[width _____ ft]*[vel _____ fps]

Circular pipe: [vel _____ fps][depth _____ ft][width _____ ft][R= _____ ft]

SITE CONDITIONS

PRECIPITATION:

NOW: ☐ None ☐ Drizzle/Sprinkle ☒ Rain ☐ Hail/Snow

Is there >72 hrs since previous rainfall event? ☒ Yes ☐ No

(A measurable rainfall event is an event with >0.1 inch of rain)

[~ Storm Start Time: 14:00]

[~ Storm End Time: 23:00]

Total Rainfall Estimate: 0.71 Holy Jim Canyon

ODOR: ☐ None ☐ Sulfides ☐ Sewage ☐ Smoke

☐ Petroleum ☐ Other: _____

☐ Floatables _____ ☐ Settleables _____

☐ Vegetation _____ ☐ Staining _____

COLOR: ☐ Colorless ☐ Green ☐ Yellow ☐ Brown ☐ Other

CLARITY: ☐ Clear (see bottom) ☐ Cloudy ☐ Murky

Sheen Present: ☐ Yes ☐ No

TRASH: ☐ Yes ☐ No

From: ☐ Flows ☐ Litter ☐ Dumping ☐ Other _____

Observations/Notes ☐ Photograph(s)

No flow

☐ Associated monitoring u/s, d/s (circle one or both and complete required FDS(s)) at:

COMPOSITE Samples: Auto/Grab, Flow/Time Weighted, _____ Hrs

Time	H(in.)	Flow(cfs)	%	Time	H(in.)	Flow(cfs)	%
1				13			
2				14			
3				15			
4				16			
5				17			
6				18			
7				19			
8				20			
9				21			
10				22			
11				23			
12				24			

FIELD DATA SHEET

RIVERSIDE COUNTY

WATERSHED PROTECTION



STATION ID: 801HCU650 SAMPLE DATE (MM/DD/YYYY): 01/17/2019

STATION NAME: Horsethief Canyon Upstream WATERSHED: ☒ SAR ☐ SMR ☐ WWR

PROJECT NAME: SAR Post-Fire Within: ☐ Unincorp. or ☐ City of _____

CONVEYANCE TYPE: Catch Basin ☐ Receiving Water ☐ Within IAH

GPS INFO: Lat 33°43'7.58"N Long 117°25'52.59"W GPS Unit: _____ ☐ Outfall, Owner: _____

PRINTED NAMES of Sampling Team: Austin Kay Sampling AGENCY: Alta

SIGNATURE of lead sampler: _____

SAMPLE INFORMATION ☐ VISITED, NOT SAMPLED (TIME: _____)

EVENT CATEGORY: ☒ Wet Weather (Storm) OR ☐ Dry Weather ☐ Recon, IC/ID, or Complaint

☐ 1st ☐ 2nd ☒ 3rd ☐ 4th ☐ Other

SAMPLE ID(s) [# of Bottles]: Horsethief-01 [2] Horsethief-01-C [7]

STREAM FLOW:

Dry: ☐ Yes ☒ No Ponded: ☐ Yes ☒ No

Rising Groundwater: ☐ Yes ☒ No

Connects to Surface Receiving Water ☒ Yes ☐ No

Dry weather event u/s influence: ☐ Yes ☒ No

TYPE (check all that apply):

☒ Primary-Grab (-01) SAMPLE DATE: 1/17/2019 SAMPLE TIME: 13:35

☒ Primary-Composite (-01-C) DATE: 1/17/2019 TIME: 14:30 (COC last aliquot)

☐ Field DUP-Grab (-02) DATE: _____ TIME: _____

☐ Field DUP-Composite (-02-C) DATE: _____ TIME: _____ (COC last aliquot)

☐ Field Blank (-03) DATE: _____ TIME: _____

☐ Travel Blank (-04) DATE: _____ TIME: _____ ☐ Other: _____

FIELD PARAMETERS Time Measured: 13:30 **SITE CONDITIONS**

Result (primary/dup)	Units	Meter	Calibration Date
<input checked="" type="checkbox"/> Water Temp <u>12.6</u>	<u>°C</u>	<u>VST PRODS</u>	<u>1/14/19</u>
<input checked="" type="checkbox"/> pH <u>7.96</u>	<u>SU</u>		
<input checked="" type="checkbox"/> EC <u>0.127</u>	<u>mS/cm</u>		
<input checked="" type="checkbox"/> Turbidity <u>1940.06</u>	<u>NTU</u>		
<input checked="" type="checkbox"/> DO <u>8.25</u>	<u>mg/L</u>		
<input type="checkbox"/> Salinity (RWs)			
<input type="checkbox"/>			

PRECIPITATION:

NOW: ☐ None ☒ Drizzle/Sprinkle ☐ Rain ☐ Hail/Snow

Is there >72 hrs since previous rainfall event? ☒ Yes ☐ No

(A measurable rainfall event is an event with >0.1 inch of rain)

[~ Storm Start Time: _____]

[~ Storm End Time: _____]

Total Rainfall Estimate: 2.95 Holy Jim Canyon

ODOR: ☐ None ☐ Sulfides ☐ Sewage ☒ Smoke

☐ Petroleum ☐ Other: _____

☒ Floatables solids/organic debris ☒ Settleables solids/debris/organic debris

☐ Vegetation ☐ Staining

COLOR: ☐ Colorless ☐ Green ☐ Yellow ☒ Brown ☐ Other

CLARITY: ☐ Clear (see bottom) ☐ Cloudy ☒ Murky

Sheen Present: ☐ Yes ☒ No

TRASH: ☐ Yes ☒ No

From: ☐ Flows ☐ Litter ☐ Dumping ☐ Other _____

FLOW ESTIMATION:

☒ USGS Gauge height/stage _____ ft Q (cfs) = _____

[Gauge Name/No.: Alta meter (no flow through meter)]

☐ Calculation by visual measurement: Q (cfs) = 0.18

= [Coef(1,2/3, _____)] * [depth _____ ft] * [width _____ ft] * [vel _____ fps]

Circular pipe: [vel _____ fps] [depth _____ ft] [width _____ ft] [R= _____ ft]

COMPOSITE Samples: Auto/Grab Flow/Time Weighted 1.33 Hrs

Time	H(in.)	Flow(cfs)	%	Time	H(in.)	Flow(cfs)	%
1 <u>13:10</u>			<u>11.11</u>	13			
2 <u>13:20</u>				14			
3 <u>13:30</u>				15			
4 <u>13:40</u>				16			
5 <u>13:50</u>				17			
6 <u>14:00</u>				18			
7 <u>14:10</u>				19			
8 <u>14:20</u>				20			
9 <u>14:30</u>				21			
10				22			
11				23			
12				24			

Observations/Notes ☒ Photograph(s)

Flow observed from drainage holes in catch basin wall upon arrival.

Flow observed from main canyon ~13:07, samples taken after flow started. At peak, flow visually estimated @ ~80 gpm.

Flow from canyon ceased @ 14:26, samples ceased after flow stopped.

Flow estimated by filling bottle from 3 holes during headwall.

☐ Associated monitoring u/s, d/s (circle one or both and complete required FDS(s)) at: