

District 8 Dry Weather Runoff Investigations - Coachella Valley

DATE: March 13, 2009

Caltrans has conducted weekly field investigations of Caltrans facilities within the Coachella Valley Stormwater Channel (CVSC) watershed to comply with the total maximum daily load (TMDL) for bacterial indicators within the channel. The purpose of the investigation is to document the dry weather runoff, if any, that Caltrans property and activities (e.g., landscape irrigation) contribute to the CVSC watershed. The results could then be used to assist District 8 and Headquarters to evaluate compliance with the Coachella Valley Stormwater Channel Bacteria TMDL.

This technical memorandum provides a summary of the dry weather runoff investigation conducted within Coachella Valley for District 8 facilities. It provides an overview of the study area, the field investigation procedure, the investigation results, and the sources of dry weather flow. Figure 1 presents a map of the study area.

Study Area

The study area consists of 132.3 miles of roadway, one rest area, and one maintenance station (MS). The routes and post mile numbers for the highways in the region are listed in Table 1. Tables 2 and 3 contain the locations for the other Caltrans facilities in the region.

TABLE 1
Highway Segments Inspected

Route	Post Mile (PM) Start	Post Mile (PM) End	Distance (mi)
111	9.29	29.37	20.08
111	47.10	63.38	16.28
10	24.35	27.41	3.06
10	37.05	60.62	23.57
10	71.47	71.75	0.28
86	0.00	22.85	22.85
86S	3.48	23.00	19.52
195	0.00	7.42	7.42
74	73.10	92.34	19.24
Total Miles			132.30

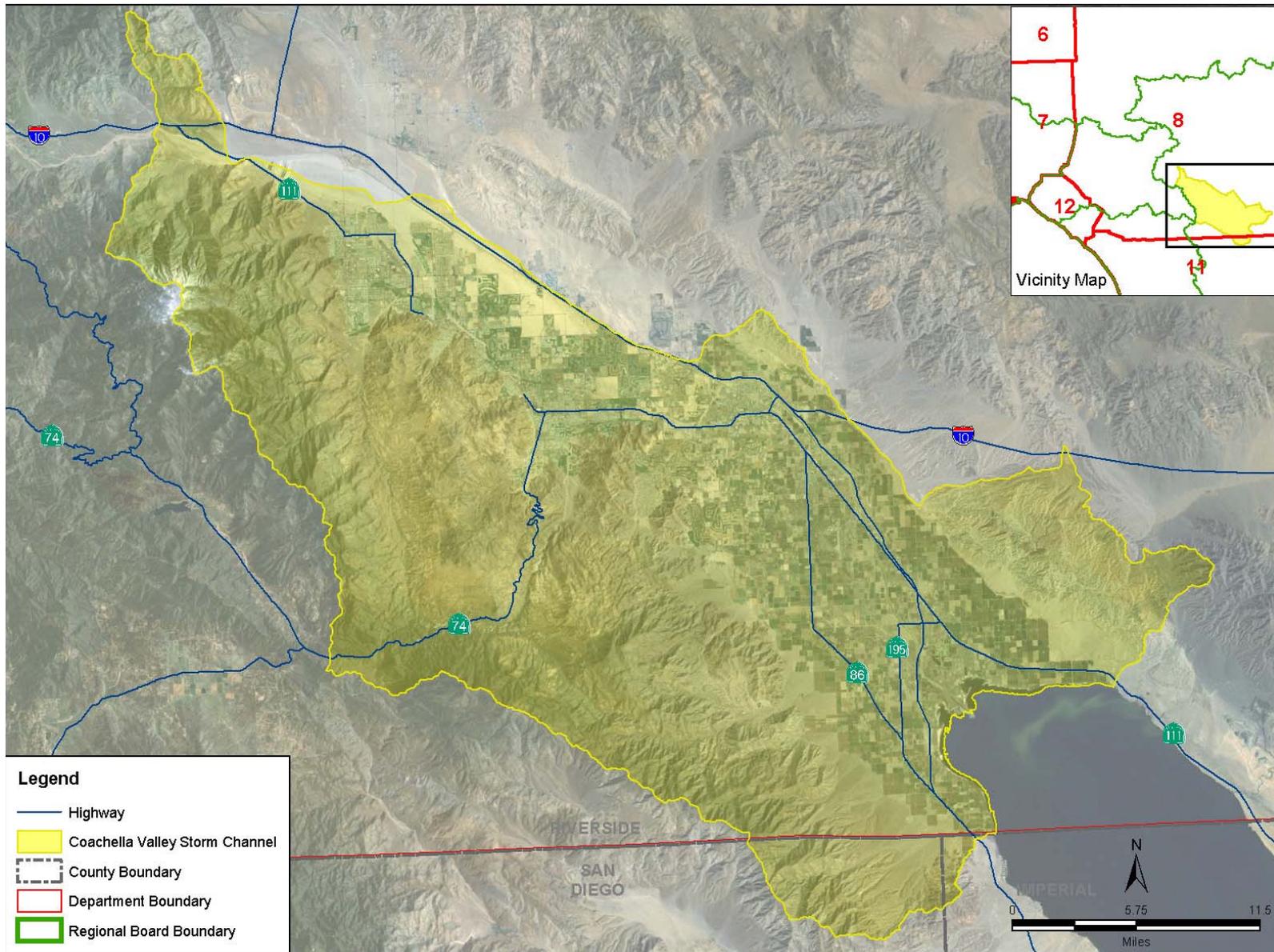


TABLE 2
Maintenance Facilities Inspected

Maintenance Station	Route	PM	Address	City
Indio MS	86	2.8	83-997 Indio Blvd.	Indio

TABLE 3
Rest Areas Inspected

Rest Area	Route	PM	Location
Whitewater Rest Area (WB)	10	26.2	1 Mile West of Whitewater O.C.
Whitewater Rest Area (EB)	10	26.2	1 Mile West of Whitewater O.C.

Field Investigation Overview

Field investigations were conducted during a 9-week period from August 11th to October 6th, 2008. The field investigation consisted of two major tasks:

- 1) Identification and mapping of landscaped areas
- 2) Identification of dry weather flow

The first part of the field investigation consisted of an initial investigation of all facilities to locate areas that are irrigated (i.e., landscaped areas), since these are the areas with the greatest potential to generate dry weather discharges (due to excess irrigation runoff). Field crews inspected Caltrans facilities and roadways within the entire watershed to locate irrigated areas. A summary of the landscaped areas are shown in Appendix A.

The second part of the field investigation was to conduct eight field inspections for the 16.6 miles identified as irrigated landscape areas and a rest area, since these areas have a higher potential for dry weather discharge. The inspections took place one day per week and were conducted throughout the day from 6:00 am to 6:00 pm. Dry weather flow was documented by visually inspecting the facilities within the 16.6 mile study area. Any presence of water in the right-of-way was recorded as an instance of dry weather flow, and the source of the flow was noted.

Investigation Results

During the eight weeks of site visits, numerous instances of dry weather flow were documented, and various sources were identified. Also, patterns were noted that relate the time of day to the frequency of dry weather flow observations.

Locations of Dry Weather Flow

A total of 543 instances of dry weather flow were documented during the eight-week study period. The distribution of observations among Caltrans properties are presented in Table 4. All dry weather flow observations occurred along Route 111, Route 86, and at the Whitewater Rest Area. A description of each dry weather flow observation is contained in Appendix B.

TABLE 4
Total Number of Dry Weather Flow Observations per Location

Location	Number of Observations
Route 111	293
Route 86	241
Rest area	9
Total Observations:	543

Figures 2 and 3 illustrate the distribution of observations along Route 111 and 86, respectively. On route 111, large spikes were found at post mile 27 and post mile 54. These were determined to be the result of reoccurring runoff due to runoff from commercial areas and a broken sprinkler. Instances of dry weather flow on Route 86 were concentrated between post miles 19 and 21 and were due to the large number of commercial and multi-family residential developments within this area.

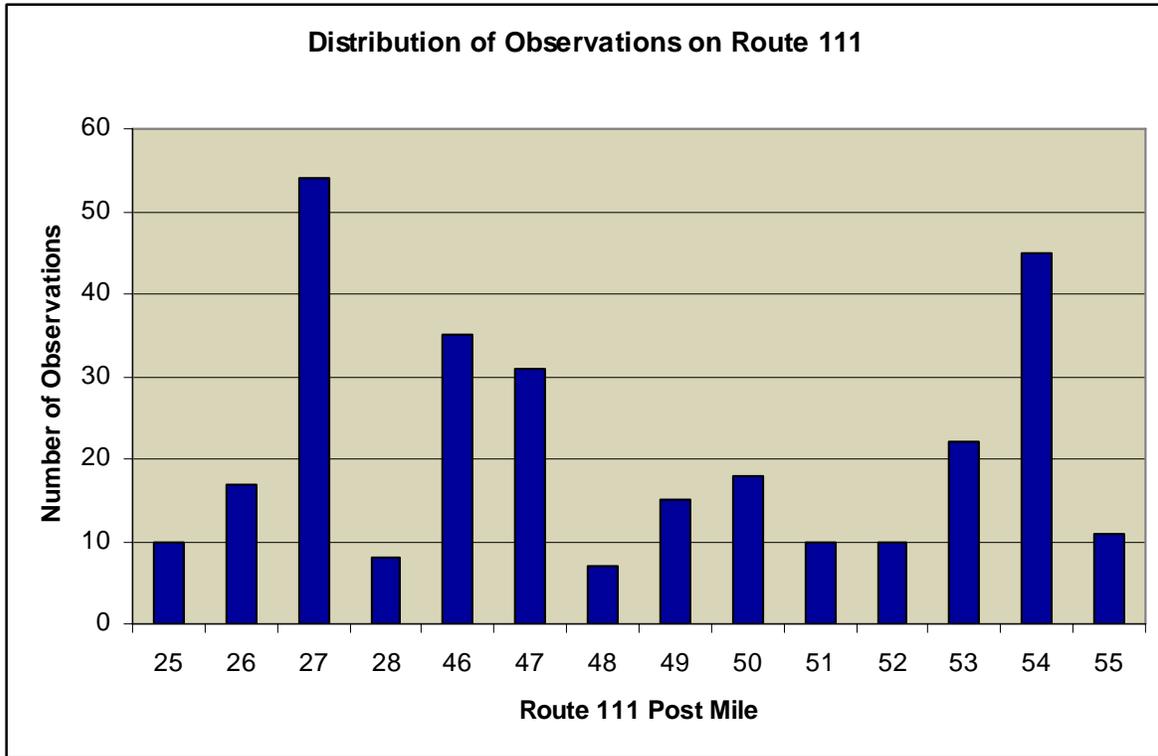


FIGURE 2 – Distribution of Observations on Route 111

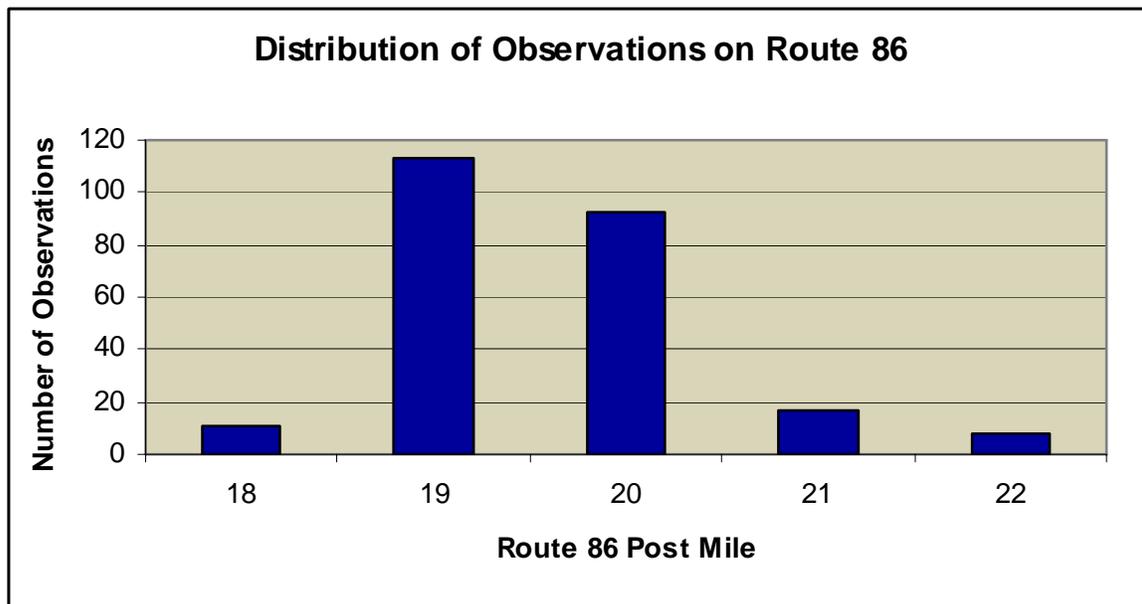


FIGURE 3 – Distribution of Observations on Route 86

Sources of Dry Weather Flow

Some common sources of dry weather flow include:

- Runoff from commercial irrigation
- Runoff from single family residential irrigation
- Runoff from multi-family residential irrigation
- Runoff from adjacent non-District streets
- Construction site activities

Examples of these types of observations are shown in Figures 4 through 8.



FIGURE 4 – Dry Weather Runoff from Commercial Irrigation along Route 86, PM 20.5



FIGURE 5 – Dry Weather Runoff from a Single Family Residential Community along Route 111, PM 53.7



FIGURE 6 – Dry Weather Runoff from a Single Family Residential Side Street along Route 111, PM 26.85



FIGURE 7 – Dry Weather Runoff from Multi-family Residential Housing along Route 86, PM 20.0



FIGURE 8 – Dry Weather Runoff from Construction Site Activities along Route 86, PM 19.0

The sources of dry weather flow observations are categorized in Table 5 and illustrated in Figure 9. Commercial sources of dry weather flow comprised the majority of observations. This is due to the density of commercial land along Routes 111 and 86. In commercial areas, most of the dry weather discharge was due to over-irrigation of vegetation or irrigation systems that discharge directly outside of the vegetated area. Often, these sources are located near the curbs and discharge to storm drains. Based on the inspections conducted, single and multi-family residential properties had fewer instances of dry weather runoff than commercial developments.

TABLE 5
Sources of Dry Weather Runoff

Source	Number of Observations
Caltrans Irrigation ¹	9
Commercial	374
Residential	90
Multi-Family	47
Other ²	20
Unknown ³	3
Total Observations:	543

Notes:

1. Caltrans dry weather runoff due to irrigation limited to eastbound and westbound Whitewater Rest Areas.
2. "Other" sources of dry weather flow include, for example, construction activity and agricultural activities.
3. Unknown sources of dry weather flow could not be identified because the flow occurred earlier in the day, or only a puddle was present.

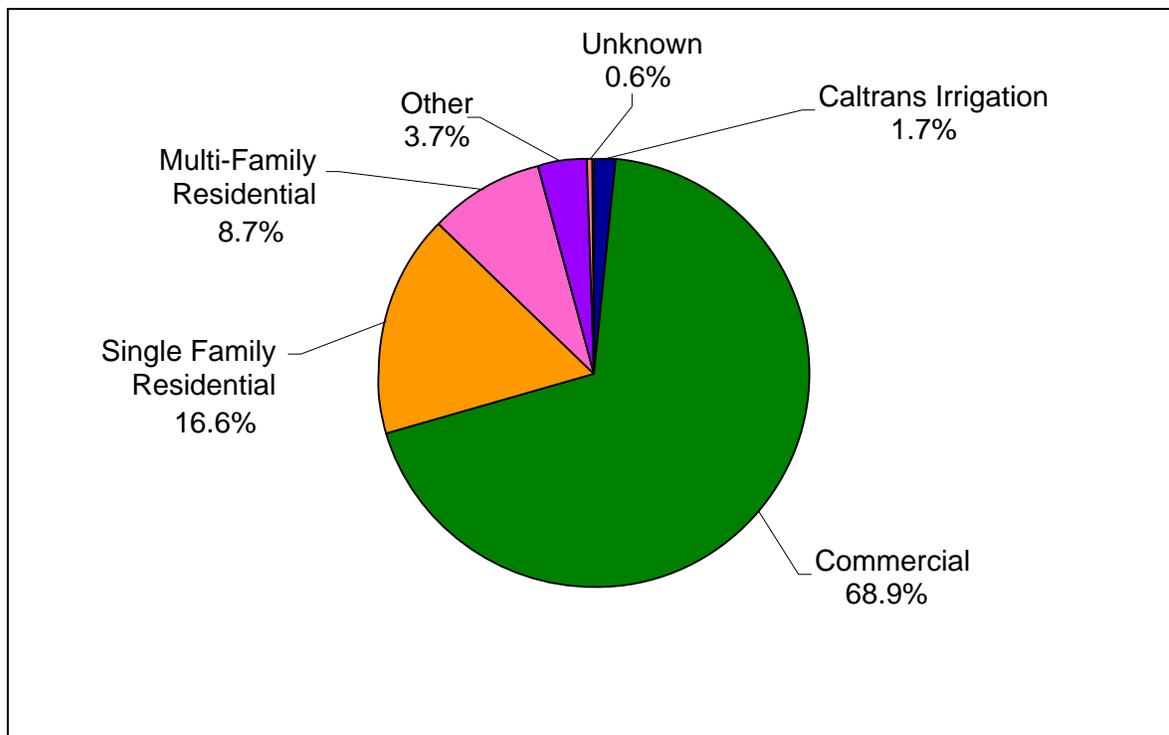


FIGURE 9 – Distribution of Dry Weather Flow Observations by Source

Caltrans Irrigation

Of all District facilities within the study area, no irrigated landscaped areas were found that are maintained by Caltrans other than those located at the eastbound and westbound Whitewater Rest Areas. All other irrigated landscape areas within the watershed appear to be maintained by other parties. Appendix B lists the approximate dimensions of landscaped areas that were surveyed within Caltrans right-of-way.

Of the 543 observations of dry weather flow, nine instances that occurred at the eastbound and westbound Whitewater Rest Areas were attributed to Caltrans irrigation. All other observations (98.3%) were caused by sources outside of Caltrans' control.

Dry Weather Flow Patterns over Time

The dry weather discharge inspections were conducted from 6:00 am to 6:00 pm on each day of the week from Monday through Friday. Table 6 contains the number of observations documented during each week. Most instances of dry weather runoff were observed early in the morning (starting at 6:00 am); although irrigation systems that produced dry weather runoff were operating in the afternoon on several occasions. It appears that more store-front sidewalk washing and landscape irrigation occurs in the early morning just before business hours, and accounts for the greater number of observations.

Table 6
Weekly Observations

Week	Day 1	Start Time	End Time	Number of Observations
1	13-Aug	6:00 AM	6:00 PM	70
2	21-Aug	6:00 AM	6:00 PM	49
3	5-Sep	6:00 AM	6:00 PM	63
4	8-Sep	6:00 AM	6:00 PM	67
5	16-Sep	6:00 AM	6:00 PM	68
6	24-Sep	6:00 AM	6:00 PM	59
7	3-Oct	6:00 AM	6:00 PM	85
8	6-Oct	6:00 AM	6:00 PM	82
Total				543

Additional Observations

No evidence of homeless encampments or illegal discharges was observed during the eight week inspection period. These sources are important to consider when evaluating potential discharges of bacterial indicators.

Recommendations

Given the nine instance of dry weather runoff observed at the Whitewater Rest Areas, it is recommended that Caltrans inspect and monitor the irrigation systems to prevent future dry weather discharges. The system(s) causing the discharge should be adjusted for both overspray and irrigation volume until no dry weather flow is produced during irrigation.

For dry weather runoff caused by other parties, Caltrans should work with the local governing agencies to develop a system for notifying property owners of excess irrigation or non-stormwater discharges. Those property owners should be made aware of best management practices and other methods to reduce urban runoff pollution.

Appendix A

Summary of Landscaped Areas

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

ROUTES INSPECTED FOR IRRIGATION									
Route	PM Start ¹	PM End ¹	Cross Street Start	Cross Street End	Irrigated ²	Approx. Length of Irrigation (ft)	Average Width of Irrigation (ft)	Irrigation Area (sq ft)	Description / Comments
111	63.4	60.0	NA	NA	No	NA	NA	NA	No landscaping
111	60.0	58.6	NA	Overture	No	NA	NA	NA	No landscaping
111	58.6	55.9	Overture	NA	No	NA	NA	NA	No landscaping
111	55.9	55.4	NA	Gateway	LI	2,110	20	42,200	Light Irrigated
111	55.4	54.9	Gateway	Yorba	Yes	2,110	100	211,000	Lawn
111	54.9	54.4	Yorba	NA	LI	2,110	10	21,100	Light Irrigated
111	54.4	54.0	NA	Vista Chino	LI	1,850	10	18,500	Light Irrigated
111	54.0	53.8	Palm Canyon	NA	Yes	800	30	24,000	Lawn
111	53.8	52.9	NA	Sunrise Way	LI	4,200	40	168,000	Light Irrigated with Lawn areas
111	52.9	52.2	NA	Volturno	LI	3,200	30	96,000	Light Irrigated with Lawn areas
111	52.2	51.6	Volturno	Gene Autry	No	NA	NA	NA	Shurb
111	51.6	51.4	NA	NA	No	NA	NA	NA	No Landscape
111	51.4	51.1	NA	Tachevah	LI	1,350	30	40,500	Median/Light Irrigated
111	51.1	50.8	Tachevah	NA	LI	1,350	10	13,500	Median Light Irrigated
111	50.8	50.6	NA	NA	Yes	800	50	40,000	Lawn
111	50.6	50.4	NA	NA	LI	800	10	8,000	Median
111	50.4	50.2	NA	NA	LI	800	10	8,000	Median
111	50.2	49.7	NA	NA	Yes	2,120	30	63,600	Lawn
111	49.7	49.4	NA	Ramon	No	NA	NA	NA	No Landscaping
111	49.4	49.4	Ramon	NA	Yes	200	15	3,000	Lawn

Notes
¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74
² Irrigated areas include any vegetation along the edge of road, between the sidewalk and roadway, or in the median of the road that appears to be
³ Responsible party was derived from type of vegetation, area covered, and land use.

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

ROUTES INSPECTED FOR IRRIGATION									
Route	PM Start ¹	PM End ¹	Cross Street Start	Cross Street End	Irrigated ²	Approx. Length of Irrigation (ft)	Average Width of Irrigation (ft)	Irrigation Area (sq ft)	Description / Comments
111	49.4	49.2	NA	Sunny Dunes	No	NA	NA	NA	No Landscape
111	49.2	48.7	Sunny Dunes	NA	LI	2,120	15	31,800	Lawn and light irrigated
111	48.7	48.2	NA	NA	No	NA	NA	NA	No Landscape
111	48.2	47.9	Seven Lakes	Palm Canyon	Yes	1,500	70	105,000	Lawn
111	47.9	47.4	Gene Autry	Golf Club	Yes	2,200	50	110,000	Lawn
111	47.4	47.3	Golf Club	Cree	No	NA	NA	NA	No Landscape
111	47.3	46.9	Cree	NA	Yes	1,800	25	45,000	Lawn
111	46.9	46.6	NA	NA	No	NA	NA	NA	No Landscape
111	46.6	46.5	NA	Auto Park	Yes	520	60	31,200	Lawn
111	28.4(111) = 20.6(86)	28.1	Harrison	50 th	Yes	1,000	10	10,000	Light irrigated
111	28.1	28.0	50 th	NA	No	NA	NA	NA	No landscape
111	28.0	28.0	NA	1 st	Yes	200	10	2,000	Lawn
111	28.0	27.8	1 st	NA	No	NA	NA	NA	No landscape
111	27.8	27.7	NA	NA	Yes	300	10	3,000	Lawn
111	27.7	27.7	NA	NA	No	NA	NA	NA	No landscape
111	27.7	27.6	NA	6 th	Yes	200	10	2,000	Lawn
111	27.6	27.6	6th	7 th	No	NA	NA	NA	No landscape
111	27.6	27.5	7 th	NA	Yes	100	10	1,000	Lawn
111	27.5	27.4	NA	9 th	No	NA	NA	NA	No landscape

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

² Irrigated areas include any vegetation along the edge of road, between the sidewalk and roadway, or in the median of the road that appears to be

³ Responsible party was derived from type of vegetation, area covered, and land use.

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

ROUTES INSPECTED FOR IRRIGATION									
Route	PM Start ¹	PM End ¹	Cross Street Start	Cross Street End	Irrigated ²	Approx. Length of Irrigation (ft)	Average Width of Irrigation (ft)	Irrigation Area (sq ft)	Description / Comments
111	27.5	27.4	9 th	NA	Yes	200	10	2,000	Lawn
111	27.4	27.2	NA	Bagdad	No	NA	NA	NA	No landscaping
111	27.2	27.1	Bagdad	NA	Yes	200	10	2,000	Lawn
111	27.1	26.9	NA	52 nd	No	NA	NA	NA	No landscaping
111	26.9	26.8	52nd	NA	Yes	100	15	1,500	Lawn
111	26.8	26.0	NA	NA	No	NA	NA	NA	No landscaping
111	26.0	25.9	NA	NA	Yes	400	20	8,000	Lawn
111	25.9	25.7	NA	NA	No	NA	NA	NA	No landscaping
111	25.7	25.7	NA	54 th	Yes	100	40	4,000	Lawn Median
111	25.7	24.3	54 th	Main St	No	NA	NA	NA	No landscaping
111	24.3	23.2	Main St	58 th	No	NA	NA	NA	No landscaping
111	23.2	22.0	58 th	60 th	No	NA	NA	NA	No landscaping
111	22.0	20.8	60th	62nd	No	NA	NA	NA	No landscaping
111	20.8	19.5	62nd	64th	No	NA	NA	NA	No landscaping
111	19.5	18.3	64th	66 th	No	NA	NA	NA	No landscaping
111	18.3	15.7	66th	Grant	No	NA	NA	NA	No landscaping
111	15.7	14.5	Grant	Hayes St	No	NA	NA	NA	No landscaping
111	14.5	11.5	Hayes St	Cleveland	No	NA	NA	NA	No landscaping
111	11.5	9.3	Cleveland	NA	No	NA	NA	NA	No landscaping

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

² Irrigated areas include any vegetation along the edge of road, between the sidewalk and roadway, or in the median of the road that appears to be

³ Responsible party was derived from type of vegetation, area covered, and land use.

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

ROUTES INSPECTED FOR IRRIGATION									
Route	PM Start ¹	PM End ¹	Cross Street Start	Cross Street End	Irrigated ²	Approx. Length of Irrigation (ft)	Average Width of Irrigation (ft)	Irrigation Area (sq ft)	Description / Comments
10	24.4	26.0	NA	NA	NA	NA	NA	NA	No evidence of irrigation
10	26.0	27.5	NA	NA	NA	NA	NA	NA	No evidence of irrigation
10	37.0	38.4	NA	NA	NA	NA	NA	NA	No evidence of irrigation
10	38.4	42.0	NA	NA	NA	NA	NA	NA	Matured trees with old irrigation system
10	42.0	43.2	NA	NA	NA	NA	NA	NA	No evidence of irrigation
10	43.2	44.0	NA	NA	NA	NA	NA	NA	Matured trees with old irrigation system
10	44.0	48.0	NA	NA	NA	NA	NA	NA	No evidence of irrigation
10	48.0	53.2	NA	NA	NA	NA	NA	NA	Matured trees with old irrigation system
10	53.2	55.0	NA	NA	NA	NA	NA	NA	No evidence of irrigation
10	55.0	60.8	NA	NA	NA	NA	NA	NA	No evidence of irrigation
10	71.4	71.8	NA	NA	NA	NA	NA	NA	No evidence of irrigation
10	71.8	72.1	NA	NA	NA	NA	NA	NA	Cactus City rest area - No landscape

Notes ¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74
² Irrigated areas include any vegetation along the edge of road, between the sidewalk and roadway, or in the median of the road that appears to be
³ Responsible party was derived from type of vegetation, area covered, and land use.

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

ROUTES INSPECTED FOR IRRIGATION									
Route	PM Start ¹	PM End ¹	Cross Street Start	Cross Street End	Irrigated ²	Approx. Length of Irrigation (ft)	Average Width of Irrigation (ft)	Irrigation Area (sq ft)	Description / Comments
86	22.9	22.6	46 Avenue	NA	NO	NA	NA	NA	No Landscape areas
86	22.6	22.6	NA	Maple St	Yes	150	10	1,500	Light irrigated Median
86	22.6	22.5	Maple St	NA	NO	NA	NA	NA	No Landscape areas
86	22.5	22.5	NA	Date Ave	Yes	150	10	1,500	Light irrigated Median
86	22.5	22.4	Date Ave	NA	NO	NA	NA	NA	No Landscape areas
86	22.4	22.4	NA	Tamarisk Ave	Yes	150	10	1,500	Light irrigated Median
86	22.4	22.3	Tamarisk Ave	NA	NO	NA	NA	NA	No Landscape areas
86	22.3	22.3	NA	Fir Ave	Yes	200	10	2,000	Light irrigated Median
86	22.3	22.0	Fir Ave	NA	NO	NA	NA	NA	No Landscape areas
86	22.0	21.6	NA	NA	Yes	2,000	10	20,000	Light irrigated Median
86	21.6	21.6	NA	Dillon	NO	NA	NA	NA	No Landscape areas
86	21.6	21.5	Dillon	NA	Yes	250	20	5,000	Light irrigated
86	21.5	21.3	NA	NA	Yes	800	10	8,000	Light irrigated Median
86	21.3	21.2	NA	NA	Yes	200	20	4,000	Lawn and light irrigated median
86	21.2	21.1	NA	NA	NO	NA	NA	NA	No Landscape areas
86	21.1	21.0	NA	49 ave	Yes	800	20	16,000	Light irrigated Median
86	21.0	20.6	49 Ave	NA	Yes	1,500	10	15,000	Lawn
86	20.6	20.6	NA	NA	NO	NA	NA	NA	No Landscape areas
86	22.6	2.5	NA	NA	Yes	200	10	2,000	Lawn
86	22.5	20.4	NA	NA	NO	NA	NA	NA	No Landscape areas

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

² Irrigated areas include any vegetation along the edge of road, between the sidewalk and roadway, or in the median of the road that appears to be

³ Responsible party was derived from type of vegetation, area covered, and land use.

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

ROUTES INSPECTED FOR IRRIGATION									
Route	PM Start ¹	PM End ¹	Cross Street Start	Cross Street End	Irrigated ²	Approx. Length of Irrigation (ft)	Average Width of Irrigation (ft)	Irrigation Area (sq ft)	Description / Comments
86	20.4	20.1	50th	Westerfield	Yes	1,000	10	10,000	Light irrigated
86	20.1	19.9	westerfield	51 Ave	Yes	1,000	35	35,000	Lawn
86	19.9	19.6	51Ave	Bagdad	Yes	1,000	10	10,000	Light irrigated
86	19.6	19.5	Bagdad	Cairo	Yes	400	10	4,000	Lawn
86	19.5	19.4	Cairo	NA	NO	NA	NA	NA	no landscape areas
86	19.4	19.4	NA	52 Ave	Yes	200	20	4,000	Lawn
86	19.4	19.3	52 Ave	Rojo	Yes	500	20	10,000	Lawn
86	19.3	18.9	Rojo	53 rd	Yes	1,500	10	15,000	Lawn
86	18.9	18.4	53 rd	54th	NO	NA	NA	NA	no landscape areas
86	18.4	18.0	54 th	NA	NO	NA	NA	NA	no landscape areas
86	18.0	18.0	NA	NA	Yes	200	10	2,000	Lawn
86	18.0	17.9	NA	55 th	NO	NA	NA	NA	no landscape areas
86	17.9	17.4	55 th	56 th	NO	NA	NA	NA	no landscape areas
86	17.4	16.4	56 th	58th	NO	NA	NA	NA	no landscape areas
86	16.4	15.4	58th	60th	NO	NA	NA	NA	No Landscape areas
86	15.4	14.9	60 th	61 th	NO	NA	NA	NA	no landscape areas
86	14.9	14.4	61 th	62 th	NO	NA	NA	NA	no landscape areas
86	14.4	12.4	62 th	66 th	NO	NA	NA	NA	no landscape areas
86	12.4	11.5	66 th	NA	NO	NA	NA	NA	no landscape areas
86	11.5	11.0	NA	68 th	NO	NA	NA	NA	no landscape areas

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

² Irrigated areas include any vegetation along the edge of road, between the sidewalk and roadway, or in the median of the road that appears to be

³ Responsible party was derived from type of vegetation, area covered, and land use.

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

ROUTES INSPECTED FOR IRRIGATION									
Route	PM Start ¹	PM End ¹	Cross Street Start	Cross Street End	Irrigated ²	Approx. Length of Irrigation (ft)	Average Width of Irrigation (ft)	Irrigation Area (sq ft)	Description / Comments
86	11.0	9.6	68 th	70 th	NO	NA	NA	NA	No landscape areas
86	9.6	8.5	70 th	72 nd	NO	NA	NA	NA	No landscape areas
86	8.5	8.0	72 nd	73 rd	NO	NA	NA	NA	No landscape areas
86	8.0	6.4	73 rd	76 th	NO	NA	NA	NA	No Landscape areas
86	6.4	5.7	76 th	77 th	NO	NA	NA	NA	No Landscape areas
86	5.7	4.0	77 th	80 th	NO	NA	NA	NA	No Landscape areas
86	4.0	3.4	80 th	81 st	NO	NA	NA	NA	No Landscape areas
86	3.4	2.7	81 st	82 nd	NO	NA	NA	NA	No Landscape areas
86	2.7	1.4	82 nd	84 th	NO	NA	NA	NA	No Landscape areas
86	1.4	0.0	84 th	NA	NO	NA	NA	NA	No Landscape areas
86	NA	NA	81st	86 South	Yes	600	20	12,000	Lawn

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

² Irrigated areas include any vegetation along the edge of road, between the sidewalk and roadway, or in the median of the road that appears to be

³ Responsible party was derived from type of vegetation, area covered, and land use.

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

ROUTES INSPECTED FOR IRRIGATION									
Route	PM Start ¹	PM End ¹	Cross Street Start	Cross Street End	Irrigated ²	Approx. Length of Irrigation (ft)	Average Width of Irrigation (ft)	Irrigation Area (sq ft)	Description / Comments
86 S	3.5	4.0	82 nd	81 st	No	NA	NA	NA	No landscape areas
86 S	4.0	6.5	81 st	76 th	No	NA	NA	NA	No landscape areas
86 S	6.5	7.9	76 th	73 rd	No	NA	NA	NA	No landscape areas
86 S	7.9	9.4	73 rd	70 th	No	NA	NA	NA	No landscape areas
86 S	9.4	11.5	70 th	66 th	No	NA	NA	NA	No landscape areas
86 S	11.5	12.5	66 th	64 th	No	NA	NA	NA	No landscape areas
86 S	12.5	13.6	64 th	62 nd	No	NA	NA	NA	No landscape areas
86 S	13.6	16.0	62 nd	58 th	No	NA	NA	NA	No landscape areas
86 S	16.0	18.3	58 th	54 th	No	NA	NA	NA	No landscape areas
86 S	18.3	19.6	54 th	52 th	No	NA	NA	NA	No landscape areas
86 S	19.6	22.6	52 th	Dillon	No	NA	NA	NA	No landscape areas
86 S	22.6	23.6	Dillon	I-10	No	NA	NA	NA	No landscape areas

Notes ¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74
² Irrigated areas include any vegetation along the edge of road, between the sidewalk and roadway, or in the median of the road that appears to be
³ Responsible party was derived from type of vegetation, area covered, and land use.

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

ROUTES INSPECTED FOR IRRIGATION									
Route	PM Start ¹	PM End ¹	Cross Street Start	Cross Street End	Irrigated ²	Approx. Length of Irrigation (ft)	Average Width of Irrigation (ft)	Irrigation Area (sq ft)	Description / Comments
195	0.0	0.5	77 th	76 th	No	NA	NA	NA	No landscape areas
195	0.5	1.3	76 th	74 th	No	NA	NA	NA	No landscape areas
195	1.3	1.8	74 th	73 rd	No	NA	NA	NA	No landscape areas
195	1.8	2.3	73 rd	72 nd	No	NA	NA	NA	No landscape areas
195	2.3	3.3	72 nd	70 th	No	NA	NA	NA	No landscape areas
195	3.3	3.9	70 th	69 th	No	NA	NA	NA	No landscape areas
195	3.9	5.5	69 th	66 th	No	NA	NA	NA	No landscape areas
195	5.5	6.5	66 th	Buchanan	No	NA	NA	NA	No landscape areas
195	6.5	6.7	Buchanan	NA	No	NA	NA	NA	No landscape areas
195	6.7	6.9	NA	66 th	Yes	600	200	120,000	Lawn
195	6.9	7.4	Buchanan	Lincoln	No	NA	NA	NA	No landscape areas
195	7.4	7.5	Lincoln	Hwy 111	No	NA	NA	NA	No landscape areas

Notes ¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74
² Irrigated areas include any vegetation along the edge of road, between the sidewalk and roadway, or in the median of the road that appears to be
³ Responsible party was derived from type of vegetation, area covered, and land use.

Appendix B

Dry Weather Flow Observations

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 8-13-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
111	9.60	8/15/08	7:32 AM	Commercial	RUNOFF FROM IRRIGATION OVERFLOW OF GROCERY STORE PARKING LOT.	1253	0
111	10.40	8/15/08	7:42 AM	Unknown	PUDDLE PRESENT - SOURCE COULDN'T BE DETERMINED	1254	0
111 SB	48.20	8/13/08	7:26 AM	Residential	OVER IRRIGATION FROM LAWN	39459	0
111 NB	47.90	8/13/08	7:30 AM	Residential	OVER IRRIGATION FROM LAWN	13-19	0
111 NB	47.70	8/13/08	7:40 AM	Residential	UNKNOWN SOURCE	20-24	0
111 NB	47.90	8/13/08	7:40 AM	Residential	OVER IRRIGATION	25-35	0
111 NB	47.90	8/13/08	7:50 AM	Residential	CULVERT CROSSING	36-44	0
111 NB	47.25	8/13/08	8:00 AM	Commercial	BOOMERS SITE / OVER IRR.	45-56	0
111 SB	47.25	8/13/08	8:15 AM	Commercial	OVER IRRIGATION	57-65	0
111 SB	46.90	8/13/08	8:25 AM	Commercial	UNKNOWN/OVER IRR	66-77	0
111 SB	46.90	8/13/08	8:38 AM	Commercial	PUDDLE / STAGNANT WATER UNKNOWN SOURCE	78-82	1
111 NB	46.50	8/13/08	8:45 AM	Commercial	CATHEDRAL CITY AUTO CENTER OVER IRR	83-99	0
111 NB	47.90	8/13/08	4:15 PM	Residential	OVER IRR / RUNOFF GETS	221-250	0
111 NB	47.40	8/13/08	4:40 PM	Residential	IN "V" GUTTER	-	0
111 SB	47.25	8/13/08	4:40 PM	Commercial	OVER IRR	57-61	1
111 SB	46.90	8/13/08	4:42 PM	Commercial	UNKNOWN	66-77	1
111 SB	46.90	8/13/08	4:42 PM	Commercial	PUDDLE	78-82	2
111 SB	46.60	8/13/08	4:43 PM	Commercial	UNKNOWN SOURCE - COM	251-260	0
86 SB	22.35	8/13/08	9:40 AM	Commercial	PONDED WATER FROM UNKNOWN SOURCE AND RUNOFF FROM IRRIGATION OVERFLOW - CAR CITY DEALERSHIP	100-103	0
86 SB	21.10	8/13/08	9:46 AM	Commercial	RUNOFF FROM IRRIGATION OVERFLOW - JIQUILPAN AUTO SALES	104-114	0
86 SB	20.60	8/13/08	10:00 AM	Commercial	PONDED WATER - UNKNOWN SOURCE	115-123	0

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 8-13-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
86 SB	20.10	8/13/08	10:10 AM	Residential	RUNOFF FROM UNKNOWN RESIDENTIAL SOURCE	124-132	0
86 SB	20.00	8/13/08	10:15 AM	Residential	RUNOFF FROM BUSINESS PARK IRRIGATION OVERFLOW AND UNKNOWN RESIDENTIAL SOURCE	133-142	0
86 SB	19.85	8/13/08	10:20 AM	Residential	RUNOFF FROM BUSINESS PARK IRRIGATION OVERFLOW AND UNKNOWN RESIDENTIAL SOURCE	143-144	0
86 SB	19.70	8/13/08	10:30 AM	Commercial	RUNOFF FROM UNKNOWN SOURCE	145-149	0
86 SB	19.60	8/13/08	10:33 AM	Constrction	PONDED WATER - CONSTRUCTION ACTIVITIES	150-158	0
86 SB	19.30	8/13/08	10:42 AM	Commercial	PONDED WATER - IRRIGATION OVERFLOW	159-163	0
86 SB	19.25	8/13/08	10:46 AM	Commercial	RUNOFF FROM PM 19.30 AND CONSTRUCTION WORK	164-169	0
86 SB	19.10	8/13/08	10:50 AM	Constrction	PONDED WATER - CONSTRCTION ACTIVITIES AND UNKNOWN RESIDENTIAL SOURCE	170-178	0
86 SB	8.50	8/13/08	11:50 AM	Agricultural	PONDED WATER - UNKNOWN SOURCE	179-184	0
86 SB	15.70	8/13/08	12:05 PM	Agricultural	PONDED WATER - AGRICULTURAL LOT SPILL L	185-198	0
86 SB	16.70	8/13/08	12:10 PM	Agricultural	PONDED WATER - UNKNOWN SOURCE	199-207	0
86 SB	20.60	8/13/08	2:40 PM	Commercial	PONDED WATER - UNKNOWN SOURCE	115-123	1
86 SB	20.10	8/13/08	2:43 PM	Residential	RUNOFF FROM UNKNOWN RESIDENTIAL SOURCE	124-132	1
86 SB	20.00	8/13/08	2:45 PM	Multi-Family	RUNOFF FROM BUSINESS PARK IRRIGATION OVERFLOW AND UNKNOWN RESIDENTIAL SOURCE	133-142	1
86 SB	19.85	8/13/08	2:45 PM	Multi-Family	RUNOFF FROM BUSINESS PARK IRRIGATION OVERFLOW AND UNKNOWN RESIDENTIAL SOURCE	143-144	1
86 SB	19.60	8/13/08	2:50 PM	Constrction	PONDED WATER - CONSTRUCTION ACTIVITIES	150-158	1
86 SB	19.25	8/13/08	2:53 PM	Commercial	RUNOFF FROM PM 19.30 AND CONSTRUCTION WORK	164-169	1
86 SB	19.00	8/13/08	2:55 PM	Commercial	RUNOFF FROM IRRIGATION OVERFLOW(SPRINKLER ON)	216-220	0
111 SB	27.65	8/13/08	12:53 PM	Commercial	RUNOFF FROM BROKEN SPRINKLER HEAD	208-215	0
111 SB	27.65	8/13/08	3:13 PM	Commercial	RUNOFF FROM BROKEN SPRINKLER HEAD	208-215	1
86 SB	22.35	8/13/08	5:15 PM	Commercial	PONDED WATER FROM UNKNOWN SOURCE AND RUNOFF FROM IRRIGATION OVERFLOW - CAR CITY DEALERSHIP	100-103	1

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 8-13-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
86 SB	20.10	8/13/08	5:20 PM	Commercial	RUNOFF FROM UNKNOWN RESIDENTIAL SOURCE	124-132	2
86 SB	19.85	8/13/08	5:22 PM	Commercial	RUNOFF FROM BUSINESS PARK IRRIGATION OVERFLOW AND UNKNOWN RESIDENTIAL SOURCE	143-144	2
86 NB	19.10	8/13/08	5:35 PM	Commercial	RUNOFF FROM PM 19.25	261-266	0
86 NB	19.25	8/13/08	5:40 PM	Commercial	RUNOFF FROM IRRIGATION OVERFLOW - AARONS FURNITURE	267-272	0
111 SB	27.65	8/13/08	5:50 PM	Commercial	RUNOFF FROM BROKEN SPRINKLER HEAD	208-215	2
111 NB	49.00	8/13/08	6:35 PM	Commercial	RUNOFF FROM IRRIGATION OVERFLOW	273-279	0
111 NB	49.25	8/13/08	6:40 PM	Commercial	RUNOFF FROM IRRIGATION OVERFLOW	280-287	0
111 NB	55.40	8/13/08	7:00 AM	Residential	IRR OVERFLOW	4917-4927	0
111 SB	55.10	8/13/08	7:15 AM	Residential	IRR OVERFLOW	4928-4943	0
111 NB	54.25	8/13/08	7:30 AM	Commercial	IRR OVERFLOW	4944-4949	0
111 NB	54.00	8/13/08	7:40 AM	Commercial	PUDDLE PRESENT - SOURCE NOT DETER.	4950-4959	0
111 SB	53.90	8/13/08	7:50 AM	Residential	IRR OVERFLOW	4960-4969	0
111 NB	53.70	8/13/08	8:00 AM	Residential	IRR OVERFLOW	4970-4983	0
111 NB	53.50	8/13/08	8:10 AM	Residential	IRR OVERFLOW	4984-4996	0
111 NB	52.90	8/13/08	8:15 AM	Commercial	IRR OVERFLOW	4997-5011	0
111 SB	51.10	8/13/08	8:40 AM	Commercial	PUDDLE PRESENT - SOURCE NOT DETER.	5012-5019	0
111 SB	51.00	8/13/08	8:50 AM	Commercial	PUDDLE PRESENT - SOURCE NOT DETER.	5020-5033	0
111 SB	50.40	8/13/08	9:00 AM	Commercial	IRR OVERFLOW	5034-5039	0
111 SB	50.10	8/13/08	9:05 AM	Commercial	PUDDLE PRESENT - SOURCE NOT DETER.	5040-5052	0
111 SB	49.80	8/13/08	9:10 AM	Commercial	PUDDLE PRESENT - SOURCE NOT DETER.	5053-5060	0
111 SB	48.20	8/13/08	9:20 AM	Residential	IRR OVERFLOW	5061-5074	0

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 8-21-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
86 SB	20.95	8/21/08	7:40 AM	Commercial	RUNOFF FROM BUSINESS PARK IRRIGATION OVERFLOW AND UNKNOWN RESIDENTIAL SOURCE	45-52	0
86 SB	20.90	8/21/08	7:50 AM	Commercial	RUNOFF FROM BUSINESS PARK IRRIGATION OVERFLOW AND UNKNOWN RESIDENTIAL SOURCE	53-59	0
86 SB	20.20	8/21/08	7:55 AM	Commercial	RUNOFF FROM BUSINESS PARK IRRIGATION OVERFLOW AND UNKNOWN RESIDENTIAL SOURCE	60-68	0
86 SB	20.10	8/21/08	8:00 AM	Comm/Res	RUNOFF FROM BUSINESS PARK IRRIGATION OVERFLOW AND UNKNOWN RESIDENTIAL SOURCE	69-78	3
86 SB	20.00	8/21/08	8:05 AM	Multi- Family	RUNOFF FROM IRRIGATION OVERFLOW AND SIDEWALK UNDER DRAIN - MULTI-FAMILY COMPLEX- SPRINKLERS ON	79-107	2
86 SB	19.75	8/21/08	8:20 AM	Commercial	RUNOFF FROM IRRIGATION OVERFLOW - LUCKY VEHICLES BUSINESS	108-115	2
86 SB	19.55	8/21/08	8:30 AM	Commercial	RUNOFF FROM IRRIGATION OVERFLOW - BUSINESS	116-124	0
86 SB	19.35	8/21/08	8:35 AM	Commercial	RUNOFF FROM IRRIGATION OVERFLOW - FASTRIP GAS STATION	125-139	0
86 SB	19.25	8/21/08	8:42 AM	Residential	RUNOFF FROM PM 19.35 AND RESIDENTIAL	140-144	3
86 SB	19.00	8/21/08	8:46 AM	Construction	RUNOFF FROM PM 19.35 AND CONSTRUCTION ROAD WORK	145-153	1
86 NB	19.25	8/21/08	8:58 AM	Commercial	RUNOFF FROM IRRIGATION OVERFLOW (SPRINKLERS ON) - AARONS FURNITURE	154-165	1
86 SB	20.10	8/21/08	1:40 PM	Commercial	RUNOFF FROM BUSINESS PARK IRRIGATION OVERFLOW AND UNKNOWN RESIDENTIAL SOURCE	69-78	4
86 SB	19.25	8/21/08	2:06 PM	Commercial	RUNOFF FROM PM 19.35 AND RESIDENTIAL	140-144	4
86 SB	19.10	8/21/08	2:10 PM	Residential	PONDING WATER - UNKNOWN SOURCE	263-269	1
86 SB	19.00	8/21/08	2:18 PM	Residential	RUNOFF FROM RESIDENTIAL NEIGHBORHOOD	270-273	2
86 SB	18.60	8/21/08	2:25 PM	Residential	RUNOFF FROM IRRIGATION OVERFLOW (SPRINKLERS ON)	274-282	0
86 NB	19.25	8/21/08	2:35 PM	Construction	RUNOFF FROM CONSTRUCTION SPILL	283-292	2
86 NB	20.50	8/21/08	2:42 PM	Commercial	RUNOFF FROM IRRIGATION OVER FLOW (SPRINKLERS ON) - PIZZA HUT	293-299	0
86 SB	21.45	8/21/08	3:20 PM	Commercial	RUNOFF FROM IRRIGATION OVERFLOW - ARCO GAS STATION	394-401	0
86 SB	19.25	8/21/08	4:00 PM	Residential	PONDED WATER - RESIDENTIAL	140-144	5
86 NB	19.25	8/21/08	4:05 PM	Commercial	RUNOFF FROM IRRIGATION OVERFLOW (SPRINKLERS ON) - AARONS FURNITURE	426-434	3

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 8-21-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
86 SB	20.10	8/21/08	5:50 PM	Residential	PONDED WATER	69-78	4
86 SB	20.00	8/21/08	5:50 PM	Multi- Family	PONDED WATER	79-107	3
86 SB	19.25	8/21/08	5:51 PM	Residential	RUNOFF - COMMERCIAL AND RESIDENTIAL	442-447	6
86 SB	19.10	8/21/08	5:57 PM	Unknown	PONDING WATER - UNKNOWN SOURCE	263-269	2
86 NB	19.25	8/21/08	6:02 PM	Commercial	RUNOFF FROM IRRIGATION OVERFLOW (SPRINKLERS ON) - AARONS FURNITURE	448-454	4
86 SB	20.00	8/21/08	6:13 PM	Residential	RUNOFF FROM IRRIGATION OVERFLOW (SPRINKLERS ON) - MULTI-FAMILY COMPLEX	455-458	4
111 SB	28.05	8/21/08	3:20 PM	Commercial	RUNOFF FROM INDUSTRIAL LOT	402-409	0
111 SB	27.65	8/21/08	3:36 PM	Commercial	RUNOFF FROM BROKEN SPRINKLER HEAD	410-417	3
111 SB	26.85	8/21/08	3:47 PM	Commercial	PONDING WATER - COMMERCIAL AND RESIDENTIAL	418-425	0
111 SB	27.65	8/21/08	5:30 PM	Commercial	RUNOFF FROM BROKEN SPRINKLER HEAD	410-417	4
111 SB	27.55	8/21/08	5:31 PM	Commercial	RUNOFF FROM COMMERCIAL SITE	435-441	0
111 SB	55.10	8/21/08	6:55 AM	Commercial	RUNOFF FROM IRRIGATION OVERFLOW	5143-5146	3
111 SB	54.70	8/21/08	7:20 AM	Commercial	PONDING WATER - UNKNOWN SOURCE	5147-5153	0
111 NB	54.45	8/21/08	7:50 AM	Commercial	PONDING WATER - UNKNOWN SOURCE	5154-5160	0
111 NB	54.00	8/21/08	8:20 AM	Commercial	PONDING WATER - UNKNOWN SOURCE	5161-5164	1
111 NB	53.70	8/21/08	8:30 AM	Residential	RUNOFF FROM IRRIGATION OVERFLOW	5165-5171	1
111 NB	53.50	8/21/08	8:42 AM	Residential	RUNOFF FROM IRRIGATION OVERFLOW	5172-5176	1
111 NB	52.40	8/21/08	9:10 AM	Commercial	RUNOFF FROM IRRIGATION OVERFLOW	5177-5181	0
111 NB	51.35	8/21/08	9:20 AM	Commercial	RUNOFF FROM IRRIGATION OVERFLOW	5182-5184	0
111 NB	51.10	8/21/08	9:30 AM	Commercial	PONDING WATER - UNKNOWN SOURCE	5185-5186	0
111 NB	50.40	8/21/08	9:40 AM	Commercial	RUNOFF FROM IRRIGATION OVERFLOW	5187-5188	1

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 9-5-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
111 SB	54.40	9/5/08	8:00 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	5261-5264	0
111 SB	54.15	9/5/08	8:10 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	5265-5266	0
111 NB	54.00	9/5/08	8:20 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	5267-5270	2
111 NB	53.70	9/5/08	8:30 AM	RES	LAWN IRRIGATION OVERFLOW	5271-5279	3
111 SB	52.40	9/5/08	8:40 AM	COMM	LAWN IRRIGATION OVERFLOW	5280-5283	1
111 SB	51.10	9/5/08	8:50 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	5284-5286	1
111 SB	50.80	9/5/08	9:00 AM	COMM	LAWN IRRIGATION OVERFLOW	5287-5290	0
111 SB	50.30	9/5/08	9:05 AM	COMM	LAWN IRRIGATION OVERFLOW	5291-5294	0
111 SB	50.10	9/5/08	9:10 AM	COMM	LAWN IRRIGATION OVERFLOW	5295-5298	1
111 SB	49.80	9/5/08	9:15 AM	COMM	LAWN IRRIGATION OVERFLOW	5299-5302	2
111 SB	47.10	9/5/08	9:40 AM	COMM	LAWN IRRIGATION OVERFLOW	5303-5307	0
111 SB	46.80	9/5/08	9:45 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	5308-5310	2
111 SB	46.50	9/5/08	10:00 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	5311-5313	0
111 NB	47.10	9/5/08	10:10 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	5314-5316	0
111 SB	52.90	9/5/08	10:40 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	25317-5320	0
EB REST AREA		9/5/08	11:22 AM		IRRIGATION SYSTEM OFF		
WB REST AREA		9/5/08	11:40 AM		IRRIGATION SYSTEM OFF		
111 NB	46.60	9/5/08	1:35 PM	COMM	PUDDLE PRESENT - IRRIGATION OVERFLOW	5321-5324	0
111 NB	53.50	9/5/08	2:00 PM	RES	LAWN IRRIGATION OVERFLOW	5325-5328	2
111 NB	54.90	9/5/08	2:10 PM	RES	LAWN IRRIGATION OVERFLOW	5329-5334	0
111 NB	53.70	9/5/08	3:40 PM	RES	LAWN IRRIGATION OVERFLOW	5271-5279	4

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 9-5-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
111 NB	46.50	9/5/08	5:00 PM	COMM	IRRIGATION OVERFLOW (BROKEN PIPE)	5335-5337	2
111 NB	47.90	9/5/08	6:00 PM	RES	PUDDLE PRESENT - IRRIGATION OVERFLOW	5338-5342	0
EB REST AREA		9/5/08	6:20 PM		IRRIGATION SYSTEM OFF		
10	REST AREA EB	9/5/08	7:30 AM	REST AREA EB	SPRINKLERS OFF	1--5	0
86 SB	21.80	9/5/08	7:53 AM	COMM	PONDED WATER UNKNOWN SRC	6--9	0
86 SB	20.95	9/5/08	8:06 AM	COMM	PONDED WATER IRR OVERFLOW	10--14	1
86 SB	20.50	9/5/08	8:09 AM	COMM	PONDED WATER IRR OVERFLOW	15--18	1
86 SB	20.20	9/5/08	8:16 AM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON	19--27	1
86 SB	20.10	9/5/08	8:23 AM	RES	PONDED WATER FROM RES COM	28--37	5
86 SB	20.00	9/5/08	8:26 AM	RES	PONDED WATER FROM MULTI FAM	38--44	5
86 SB	19.85	9/5/08	8:30 AM	COMM	PONDED WATER - GRASS WET POTENTIAL IRR OVERFLOW	45-50	3
86 SB	19.75	9/5/08	8:35 AM	COMM	PONDED WATER - GRASS WET POTENTIAL IRR OVERFLOW LUCKYS VEHICLES	51-57	3
86 SB	19.60	9/5/08	8:42 AM	CONSTR	PONDED WATER CONSTRUCTION ACTIVITY	58-65	2
86 SB	19.55	9/5/08	8:45 AM	COMM	RUNOFF FROM IRR OVERFLOW GRASS WET	66-71	1
86 SB	19.35	9/5/08	8:50 AM	COMM	RUNOFF FROM IRR OVERFLOW - FASTRIP FOOD STORE	72-83	1
86 SB	19.10	9/5/08	9:00 AM	RES	RUNOFF FROM RES COM/CONSTR ACTIVITY	84-93	3
86 SB	19.00	9/5/08	9:03 AM	COMM	RUNOFF FROM 19.1	94-98	3
86 NB	19.25	9/5/08	9:10 AM	COMM	RUNOFF FROM IRR OVERFLOW AARONS FURNITURE. SPRINKLER JUST TURN OFF	99-105	5
111 SB	28.40	9/5/08	9:20 AM	COMM	PONDED WATER IRR OVERFLOW	106-112	0
111 SB	27.75	9/5/08	9:25 AM	COMM	PONDED WATER IRR OVERFLOW - DE ANDA INSURANCE	113-117	0
111 SB	27.65	9/5/08	9:30 AM	COMM	RUNOFF FROM BROKEN SPRINKLER	118-124	5

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 9-5-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
10	REST AREA EB	9/5/08	7:30 AM	REST AREA EB	SPRINKLERS OFF	1--5	0
86 SB	21.80	9/5/08	7:53 AM	COMM	PONDED WATER UNKNOWN SRC	6--9	0
86 SB	20.95	9/5/08	8:06 AM	COMM	PONDED WATER IRR OVERFLOW	10--14	1
86 SB	20.50	9/5/08	8:09 AM	COMM	PONDED WATER IRR OVERFLOW	15--18	1
86 SB	20.20	9/5/08	8:16 AM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON	19--27	1
111 SB	26.85	9/5/08	9:33 AM	RES	RUNOFF/PONDED FROM RES COM	124-131	1
111 SB	25.95	9/5/08	9:42 AM	COMM	RUNOFF FROM IRR OVERFLOW AAA STORAGE	132-143	0
111 SB	27.55	9/5/08	9:57 AM	COMM	PONDED - RES DEV	144-153	1
86 SB	20.50	9/5/08	10:10 AM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON COACHELLA SHOP CNTR	154-166	2
86 SB	19.85	9/5/08	11:10 AM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON RITE AID	167-174	4
111 NB	25.65	9/5/08	12:30 PM	COMM	SPRINKLERS ON IRRIGATION LAWN	175-183	0
86 SB	22.35	9/5/08	12:52 PM	COMM	PONDED WATER CAR CITY	184-189	2
86 SB	20.00	9/5/08	1:10 PM	MULTI FAM	PONDED WATER FROM MULTI FAM	38-44	6
111 SB	27.65	9/5/08	1:30 PM	COMM	BROKEN SPRINKLER	118-124	6
111 SB	26.70	9/5/08	1:55 PM	UNKNOWN	PONDED WATER SOURCE UNKNOWN	190-195	0
86 SB	21.80	9/5/08	2:30 PM	COMM	RUNOFF FROM COMMERCIAL SITE	196-205	1
86 NB	20.50	9/5/08	2:40 PM	COMM	RUNOFF FROM OVER IRR PIZZA HUT	206-213	1
111 SB	27.65	9/5/08	2:45 PM	COMM	PONDED WATER FROM BROKEN SPRINKLER	118-124	7
111 SB	27.40	9/5/08	2:50 PM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON DESERT FRESH INC	214-221	0
86 SB	19.10	9/5/08	3:20 PM	RES	PONDED WATER RES COM	84-93	4
111 SB	25.95	9/5/08	4:15 PM	COMM	SPRINKLERS ON AAA STORAGE	222-232	1

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 9-8-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
111 SB	54.40	9/8/08	6:37 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	5344-5345	1
111 NB	54.00	9/8/08	6:45 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	5346-5348	3
111 NB	53.70	9/8/08	6:55 AM	RES	LAWN IRRIGATION OVERFLOW	5349-5353	5
111 SB	50.80	9/8/08	7:10 AM	COMM	LAWN IRRIGATION OVERFLOW	5354-5357	1
111 SB	50.30	9/8/08	7:20 AM	COMM	LAWN IRRIGATION OVERFLOW	5358-5361	1
111 SB	50.10	9/8/08	7:30 AM	COMM	LAWN IRRIGATION OVERFLOW	5362-5365	2
111 SB	49.80	9/8/08	7:40 AM	COMM	LAWN IRRIGATION OVERFLOW	5366-5368	3
111 SB	49.30	9/8/08	7:45 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	5369-5371	0
111 NB	47.40	9/8/08	8:00 AM	COMM	LAWN IRRIGATION OVERFLOW	5372-5376	0
111 SB	47.10	9/8/08	8:05 AM	COMM	LAWN IRRIGATION OVERFLOW	5377-5379	1
111 SB	46.80	9/8/08	8:10 AM	COMM	LAWN IRRIGATION OVERFLOW	5380-5382	3
111 NB	46.50	9/8/08	8:15 AM	COMM	LAWN IRRIGATION OVERFLOW	5383-5387	3
111 NB	46.30	9/8/08	9:00 AM	COMM	LAWN IRRIGATION OVERFLOW	5388-5391	0
111 NB	53.70	9/8/08	9:25 AM	RES	LAWN IRRIGATION OVERFLOW	5392-5396	6
111 NB	54.25	9/8/08	9:35 AM	COMM	LAWN IRRIGATION OVERFLOW	5397-5401	2
111 NB	54.90	9/8/08	9:45 AM	RES	LAWN IRRIGATION OVERFLOW	5402-5405	1
rest area EB		9/8/08	10:10 AM		IRRIGATION SYSTEM OFF		
rest area WB		9/8/08	10:15 AM		IRRIGATION SYSTEM OFF		
111 NB	47.40	9/8/08	1:00 PM	RES	IRRIGATION OVERFLOW	5406-5408	0
111 NB	47.90	9/8/08	1:10 PM	RES	IRRIGATION OVERFLOW	5409-5411	1
111 NB	53.70	9/8/08	3:00 PM	RES	IRRIGATION OVERFLOW	5392-5396	7

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 9-8-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
111 NB	53.50	9/8/08	3:05 PM	RES	IRRIGATION OVERFLOW	5325-5328	3
111 SB	50.80	9/8/08	3:15 PM	COMM	LAWN IRRIGATION OVERFLOW	5354-5357	2
111 SB	46.50	9/8/08	3:20 PM	COMM	PUDDLE PRESENT - IRRIGATION OVERFLOW	5311-5313	1
111 NB	54.25	9/8/08	3:45 PM	COMM	LAWN IRRIGATION OVERFLOW	5397-5401	3
rest area EB		9/8/08	4:40 PM		IRRIGATION SYSTEM OFF		
10 EB	REST AREA	9/8/08	5:55 AM	REST AREA	SPRINKLERS ON	273-290	1
86 SB	22.35	9/8/08	6:30 AM	COMM	PONDED WATER - CAR CITY	-	4
86 SB	20.95	9/8/08	6:35 AM	COMM	RUNOFF FROM IRR OVERFLOW - SPRINKLERS ON (PLANNED PARENTHOOD)	291-295	2
86 SB	20.50	9/8/08	6:42 AM	COMM	PONDED WATER - IRR OVERFLOW SPRINKLERS ON	296-300	2
86 SB	19.35	9/8/08	6:55 AM	COMM	RUNOFF FROM IRR OVERFLOW - (FOOD STORE)	301-315	2
86 SB	18.60	9/8/08	7:08 AM	RES	PONDED WATER IRR OVERFLOW	316-319	1
86 NB	19.25	9/8/08	7:15 AM	COMM	RUNOFF FROM IRR OVERFLOW - AARONS FURNITURE	320-323	7
86 NB	19.25	9/8/08	7:15 AM	COMM	RUNOFF FROM IRR OVERFLOW - JACK IN THE BOX SPRINKLERS ON	324-29	0
86 NB	20.60	9/8/08	7:25 AM	COMM	PONDED WATER - IRR OVERFLOW KFC	330-335	0
111 SB	28.40	9/8/08	7:30 AM	COMM	IRR OVERFLOW KFC	336-340	1
111 SB	27.65	9/8/08	7:35 AM	COMM	RUNOFF FROM IRR OVERFLOW - BROKEN SPRINKLER	341-346	8
111 SB	27.55	9/8/08	7:40 AM	COMM	WATER SPILL LAS FLORES RESTAURANT	347-357	2
111 SB	26.85	9/8/08	7:45 AM	RES	PONDED WATER RES COMMUNITY	358-361	3
111 SB	25.95	9/8/08	7:55 AM	COMM	SPRINKLERS ON AAA STORAGE	362-372	2
111 SB	25.65	9/8/08	8:00 AM	COMM	IRR OVERFLOW	373-379	1
86 SB	20.10	9/8/08	8:11 AM	RES	PONDED WATER RES COMMUNITY	380-386	6

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 9-8-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
86 SB	20.00	9/8/08	8:15 AM	MULTI FAM	PONDED WATER FROM PM 20.1	387-391	7
86 SB	20.15/2	9/8/08	8:20 AM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON	392-97	2
86 SB	19.75	9/8/08	8:25 AM	COMM	RUNOFF FROM IRR OVERFLOW LUCKY'S VEHICLES	398-403	4
86 SB	19.55	9/8/08	8:30 AM	COMM	RUNOFF FROM IRR OVERFLOW	404-407	2
86 SB	22.35	9/8/08	10:25 AM	COMM	PONDED WATER - OVER IRR CAR CITY	408-414	5
86 SB	20.40	9/8/08	10:30 AM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON	415-420	0
86 SB	19.10	9/8/08	10:45 AM	RES	PONDED WATER FROM PM 19.35 AND RES COM	421-425	5
86 SB	19.00	9/8/08	10:50 AM	RES	RUNOFF FROM PM 19.35 AND RES COM	426-431	4
86 SB	19.85	9/8/08	11:00 AM	COMM	RUNOFF FROM IRR OVERFLOW - RITE AID SPRINKLERS ON	432-437	6
111 NB	28.20	9/8/08	11:20 AM	COMM	PONDED WATER FROM IRR OVERFLOW K& W FARMS	438-444	0
111 SB	27.65	9/8/08	11:25 AM	COMM	PONDED WATER SPRINKLER BROKEN	341-346	9
86 SB	20.50	9/8/08	1:15 PM	COMM	PONDED WATER IRR OVERFLOW - COACHELLA SHOPPING CENTER	345-149	3
86 SB	19.10	9/8/08	1:20 PM	RES	PONDED WATER FROM RESIDENTIAL COM	421-425	6
111 SB	27.75	9/8/08	1:30 PM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON	450-453	1
86 NB	20.50	9/8/08	2:40 PM	COMM	RUNOFF FROM IRR OVERFLOW PIZZA HUT SPRINKLERS ON	454--459	2
86 SB	20.10	9/8/08	2:55 PM	COMM	PONDED WATER RUNOFF COMING FROM RES COM	380-386	7
86 SB	20.00	9/8/08	3:00 PM	MULTI FAM	PONDED WATER COMING FROM MULTI-FAM COMPLEX	387-391	8
86 SB	20.30	9/8/08	3:18 PM	COMM	RUNOFF FROM IRR OVERFLOW	460-465	4
86 SB	20.50	9/8/08	3:24 PM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON	466-475	4
111 SB	25.95	9/8/08	3:40 PM	COMM	SPRINKLERS ON AAA STORAGE	362-372	3
86 SB	22.35	9/8/08	3:55 PM	COMM	RUNOFF PONDED WATER FROM IRR OVERFLOW	476-483	6

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 9-16-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
10 EB	REST AREA	9/16/08	6:00 AM	REST AREA	SPRINKLERS ON	1--18	2
86 SB	21.50	9/16/08	6:45 AM	COMM	PONDED WATER - UNKNOWN SOURCE	19-23	0
86 SB	20.95	9/16/08	6:50 AM	COMM	RUNOFF FROM OVER IRR - SPRINKLERS ON PLANNED PARENTHOOD	24-27	3
86 SB	20.50	9/16/08	7:05 AM	COMM	RUNOFF FROM IRR OVERFLOW- CHOACHELLA SHOPPING CENTER	28-34	4
86 SB	20.40	9/16/08	7:15 AM	COMM	RUNOFF FROM IRR OVERFLOW - SPRINKLERS ON	35-38	5
86 SB	20.30	9/16/08	7:28 AM	COMM	RUNOFF FROM IRR OVERFLOW	39-44	5
86 SB	20.10	9/16/08	7:35 AM	RES	PONDED WATER - RES COMMUNITY	45-49	8
86 SB	20.00	9/16/08	7:40 AM	MULTI FAM	PONDED WATER	50-55	10
86 SB	19.85	9/16/08	7:45 AM	MULTI FAM	PONDED WATER - CURB UNDER DRAIN FLOWING	56-62	7
86 SB	19.75	9/16/08	7:50 AM	COMM	RUNOFF FROM IRR OVERFLOW - SPRINKLERS ON (LUCKY'S VEHICLES)	63-66,	5
86 SB	19.60	9/16/08	8:00 AM	COMM	RUNOFF FROM PM 19.75	-	3
86 SB	19.10	9/16/08	8:10 AM	RES	PONDED WATER RES COMMUNITY	67-71	7
86 SB	19.00	9/16/08	8:15 AM	RES	PONDED WATER - UNKNOWN SOURCE	-	5
111 SB	28.40	9/16/08	8:23 AM	COMM	RUNOFF FROM IRR OVERFLOW (KFC)	72-75	1
111 SB	27.75	9/16/08	8:27 AM	COMM	RUNOFF FROM IRR OVERFLOW - SPRINKLERS ON (DE ANDA INSURANCE)	76-79	2
111 SB	27.65	9/16/08	8:31 AM	COMM	RUNOFF FROM BROKEN SPRINKLER	80-84	11
111 SB	27.55	9/16/08	8:36 AM	COMM	PONDED WATER LAS FLORES RESTAURANT	85-91	4
111 SB	26.85	9/16/08	8:41 AM	RES	PONDED WATER FROM RES COMMUNITY	92-95	4
86 SB	21.80	9/16/08	9:05 AM	COMM	RUNOFF FROM COMMERCIAL SITE	96-100	2
111 SB	27.65	9/16/08	9:27 AM	COMM	RUNOFF FROM COMMERCIAL SITE	80-84	12
86 SB	21.45	9/16/08	10:11 AM	CONSTR	RUNOFF FROM CONSTRUCTION	101-105	0

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 9-16-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
86 NB	19.25	9/16/08	10:25 AM	COMM	RUNOFF FROM OVER IRR - AARON'S FURNITURE - SPRINKLERS ON	106-112	9
86 SB	20.40	9/16/08	10:35 AM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON FIESTA PLAZA	113-116	5
86 SB	20.00	9/16/08	10:45 AM	MULTI FAM	RUNOFF FROM FLOWING UNDER DRAIN	50-55	11
86 SB	19.85	9/16/08	11:10 AM	MULTI FAM	PONDED WATER	56-62	8
111 SB	26.85	9/16/08	11:25 AM	RES	PONDED WATER - RES COMMUNITY	92-95	5
111 SB	27.65	9/16/08	11:40 AM	COMM	PONDED WATER - BROKEN SPRINKLER	80-84	13
86 SB	21.75	9/16/08	12:40 PM	CONSTR	RUNOFF FROM CONSTRUCTION	101-105	1
86 SB	21.15	9/16/08	12:55 PM	CONSTR	RUNOFF FROM PM 21.45	117-121	0
86 SB	20.50	9/16/08	1:00 PM	COMM	RUNOFF FROM IRR OVER FLOW SPRINKLERS ON - COACHELLA SHOPPING CENTER	122-127	5
86 SB	20.95	9/16/08	2:30 PM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON - SUPER CARNICERIA	128-133	4
86 SB	20.50	9/16/08	2:40 PM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON - COACHELLA SHOPPING CENTER	134-138	6
86 NB	20.50	9/16/08	2:52 PM	COMM	RUNOFF FROM IRR OVERFLOW PIZZA HUT	139-141	3
111 SB	27.40	9/16/08	2:56 PM	COMM	RUNOFF FROM IRR OVERFLOW - SPRINKLERS ON DESERT FRESH INC	142-146	1
86 SB	20.50	9/16/08	3:15 PM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON - COACHELLA SHOPPING CENTER	147-150	7
86 SB	21.10	9/16/08	3:55 PM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON- JIQUILPAN AUTO	151-156	2
86 NB	19.25	9/16/08	4:20 PM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON - AARON'S FURNITURE	157-160	10
86 SB	21.45	9/16/08	4:47 PM	CONSTR	PONDED WATER CONSTRUCTION ACTIVITIES	101-105	2
86 SB	20.10	9/16/08	5:05 PM	RES	PONDED WATER - RES COMMUNITY	45-49	9
86 SB	19.86	9/16/08	5:10 PM	MULTI FAM	PONDED WATER MULTI FAM	56-62	8
111 SB	27.65	9/16/08	5:25 PM	COMM	PONDED WATER - BROKEN SPRINKLER	80-84	14
111 SB	27.55	9/16/08	5:30 PM	COMM	PONDED WATER	85-91	5

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 9-16-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
111 SB	54.40	9/16/08	6:30 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	5465-5468	2
111 NB	54.00	9/16/08	6:45 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	5469-5472	4
111 NB	53.70	9/16/08	6:55 AM	RES	PUDDLE PRESENT - FROM CONSTR SITE	5473-5478	8
111 SB	53.50	9/16/08	7:00 AM	RES	LAWN IRR OVERFLOW	5479-5486	1
111 SB	50.80	9/16/08	7:10 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	5487-5489	3
111 SB	50.30	9/16/08	7:20 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	5490-5492	2
111 SB	50.00	9/16/08	7:25 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	5493-5495	0
111 SB	49.80	9/16/08	7:40 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	5496-5498	4
111 SB	48.70	9/16/08	7:45 AM	COMM	LAWN IRR OVERFLOW	5499-5502	0
111 NB	47.90	9/16/08	7:55 AM	RES	LAWN IRR OVERFLOW	5503-5506	2
111 SB	47.10	9/16/08	8:00 AM	COMM	LAWN IRR OVERFLOW	5507-5509	2
111 SB	46.80	9/16/08	8:05 AM	COMM	LAWN IRR OVERFLOW	5510-5511	4
111 SB	46.50	9/16/08	8:15 AM	COMM	LAWN IRR OVERFLOW	5512-5515	2
111 NB	46.50	9/16/08	8:20 AM	COMM	LAWN IRR OVERFLOW	5516-5520	4
111 NB	54.15	9/16/08	9:00 AM	RES	LAWN IRR OVERFLOW	5521-5523	0
EB REST AREA		9/16/08	10:15 AM		IRRIGATION SYSTEM OFF		
WB REST AREA		9/16/08	10:25 AM	REST AREA	IRR OVERFLOW	5524-5528	1
111 SB	54.40	9/16/08	11:20 AM	RES	PUDDLE WATER - SOURCE NOT DETERMINED	5529-5539	3
111 SB	54.25	9/16/08	11:30 AM	RES	IRR OVERFLOW	5540-5545	1
111 SB	50.30	9/16/08	11:50 AM	COMM	LAWN IRR OVERFLOW	5546-5549	3
111 SB	49.80	9/16/08	12:00 PM	COMM	IRR OVERFLOW	5493-5495	5

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 9-24-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
10 EB	REST AREA	9/24/08	6:05 AM	REST AREA	REST STOP - SPRINKLERS ON	1--24	3
86 SB	20.95	9/24/08	6:40 AM	COMM	RUNOFF FROM IRR OVERFLOW - PLANNED PARENTHOOD - SPRINKLERS ON	25-29	5
86 SB	20.50	9/24/08	6:50 AM	COMM	RUNOFF FROM IRR OVERFLOW - COACHELLA SHOPPING CENTER	30-34	8
86 SB	20.35	9/24/08	7:03 AM	COMM	PONDED WATER - UNKNOWN SOURCE - CARDENA'S	35-40	6
86 SB	20.00	9/24/08	7:05 AM	MULTI FAM	PONDED WATER	-	12
86 SB	19.85	9/24/08	7:09 AM	COMM	RUNOFF FROM IRR OVERFLOW - RITE AID - WET GRASS	41-48	9
86 SB	19.60	9/24/08	7:20 AM	COMM	PONDED WATER UNKNOWN SOURCE	49-53	4
86 SB	19.35	9/24/08	7:25 AM	COMM	PONDED WATER UNKNOWN SOURCE	54-59	3
86 SB	19.10	9/24/08	7:33 AM	RES	PONDED WATER RESIDENTIAL COMMUNITY	60-65	8
86 NB	19.25	9/24/08	7:40 AM	COMM	PONDED WATER IRRIGATION OVERFLOW - AARON'S FURNITURE - WET GRASS	66-72	11
111 SB	20.60	9/24/08	7:53 AM	COMM	RUNOFF FROM IRR OVERFLOW - KFC	73-79	2
111 SB	27.80	9/24/08	8:05 AM	CONSTR	RUNOFF FROM CONSTR ACTIVITY	80-87	0
111 SB	27.75	9/24/08	8:08 AM	CONSTR	RUNOFF FROM 27.8	88-91	3
111 SB	27.65	9/24/08	8:10 AM	COMM	PONDED WATER - BROKEN SPRINKLER	92-95	15
111 SB	27.55	9/24/08	8:12 AM	COMM	PONDED WATER - LAS FLORES RESTAURANT	96-104	6
111 SB	28.85	9/24/08	8:15 AM	COMM	RUNOFF FROM IRR OVERFLOW - VALERO GAS - SPRINKLERS ON	105-112	6
86 SB	20.00	9/24/08	8:30 AM	MULTI FAM	RUNOFF FROM MULTI FAM COMPLEX - SIDEWALK UNDER DRAIN FLOWING	113-116	13
86 SB	19.85	9/24/08	8:33 AM	MULTI FAM	RUNOFF FROM MULTI FAM COMPLEX - SIDEWALK UNDER DRAIN FLOWING	117-121	10
86 SB	20.20	9/24/08	8:40 AM	COMM	RUNOFF FROM IRR OVERFLOW	122-124	0
86 SB	20.10	9/24/08	8:45 AM	COMM	RUNOFF FROM IRR OVERFLOW	125-129	10
86 SB	21.10	9/24/08	8:53 AM	COMM	RUNOFF FROM IRR OVERFLOW - JIQUILPAN AUTO - SPRINKLERS ON	130-136	3

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 9-24-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
111 SB	27.80	9/24/08	9:20 AM	CONSTR	PONDED WATER	80-87	1
111 SB	27.65	9/24/08	9:25 AM	COMM	PONDED WATER - BROKEN SPRINKLER	92-95	16
86 SB	20.50	9/24/08	11:20 AM	COMM	RUNOFF FROM IRR OVERFLOW - COACHELLA SHOPPING CENTER - WET GRASS	137-141	9
86 SB	20.00	9/24/08	11:30 AM	MULTI FAM	RUNOFF FROM MULTI-FAM COMPLEX - SIDEWALK UNDER DRAIN FLOWING	113-116	14
86 SB	19.85	9/24/08	11:45 AM	COMM	RUNOFF FROM OVER IRR - RITE AID - SPRINKLERS ON	142-145	11
86 SB	19.25	9/24/08	11:53 AM	COMM	PONDED WATER - RUNOFF FROM COACHELLA TRUCK SALES	146-159	8
111 SB	26.85	9/24/08	12:10 PM	COMM	RUNOFF FROM IRR OVERFLOW VALERO GAS - SPRINKLERS ON	160-166	7
86 SB	20.10	9/24/08	12:30 PM	RES	PONDED WATER RESIDENTIAL COMMUNITY	125-129	11
86 SB	19.10	9/24/08	12:45 PM	RES	PONDED WATER RESIDENTIAL COMMUNITY	60-65	9
111 SB	27.65	9/24/08	1:30 PM	COMM	PONDED WATER - BROKEN SPRINKLER	92-95	17
111 SB	27.40	9/24/08	2:00 PM	CONSTR	PONDED WATER FORM CONSTR ACTIVITIES	168-172	2
111 SB	26.85	9/24/08	2:07 PM	COMM	RUNOFF FROM IRR OVERFLOW - VALERO GAS - SPRINKLERS ON	173-178	8
111 SB	26.85	9/24/08	2:38 PM	COMM	RUNOFF FROM IRR OVERFLOW - VALERO GAS - SPRINKLERS ON	173-178	9
86 NB	20.50	9/24/08	2:50 PM	COMM	RUNOFF FROM IRR OVERFLOW - PIZZA HUT - GRASS WET	179-181	4
86 SB	20.95	9/24/08	3:00 PM	COMM	RUNOFF FROM IRR OVERFLOW - SUPER CARNICERIA - SPRINKLERS ON	182-185	6
111 SB	27.55	9/24/08	3:10 PM	COMM	PONDED WATER SPILL FROM LAS FLORES RESTAURANT	96-104	7
111 SB	26.85	9/24/08	3:15 PM	COMM	PONDED WATER SPILL FROM LAS FLORES RESTAURANT	173-178	10
86 NB	19.25	9/24/08	3:25 PM	COMM	RUNOFF FROM IRR OVERFLOW - AARON'S FURNITURE + JACK IN THE BOX SPRINKLERS ON	186-191	12
86 SB	19.85	9/24/08	3:35 PM	MULTI FAM	RUNOFF FROM IRR OVERFLOW - SPRINKLERS ON	192-197	12
86 SB	20.00	9/24/08	4:00 PM	MULTI FAM	RUNOFF FROM IRR OVERFLOW - SPRINKLERS ON	198-202	15
111 SB	26.85	9/24/08	4:10P	COMM	RUNOFF FROM IRR OVERFLOW - VALERO GAS - SPRINKLERS ON	173-178	11

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 9-24-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
111 SB	26.85	9/24/08	5:10 PM	COMM	RUNOFF FROM IRR OVERFLOW - VALERO GAS - SPRINKLERS ON	173-178	12
86 NB	19.25	9/24/08	5:30 PM	COMM	PONDED WATER - AARON'S FURNITURE	66-72	13
111 SB	27.65	9/24/08	5:45 PM	COMM	PONDED WATER - AARON'S FURNITURE	-	18
86 SB	19.85	9/24/08	6:10 PM	COMM	RITE AID - SPRINKLERS ON	142-145	13
86 SB	20.00	9/24/08	6:13 PM	MULTI FAM	SPRINKLERS ON - MULTI FAM	158-202	16
111 NB	54.00	9/24/08	6:35 AM	COMM	PUDDLE PRESENT - SOURCE NOT DETERMINED	5572-5574	6
111 NB	53.70	9/24/08	6:45 AM	RES	LAWN IRR OVERFLOW	5575-5578	9
111 NB	52.90	9/24/08	7:00 AM	COMM	LAWN IRR OVERFLOW	5579-5581	1
111 SB	46.50	39715	7:30 AM	COMM	LAWN IRR OVERFLOW	5582-5583	3
111 NB	46.50	9/24/08	7:35 AM	COMM	LAWN IRR OVERFLOW	5584-5587	5
111 NB	53.50	9/24/08	8:25 AM	RES	LAWN IRR OVERFLOW	--	4
111 NB	54.00	9/24/08	8:30 AM	COMM	IRR OVERFLOW	--	7
111 NB	54.15	9/24/08	8:35 AM	COMM	LAWN IRR OVERFLOW	5521-5523	3
111 NB	54.90	9/24/08	12:00 PM	RES	LAWN IRR OVERFLOW	5588-5591	2
EB REST AREA		9/24/08	1:00 PM		IRRIGATION SYSTEM OFF		
WB REST AREA		9/24/08	1:20 PM		IRRIGATION SYSTEM OFF		
111 SB	49.80	9/24/08	2:00 PM	COMM	LAWN IRR OVERFLOW	5592-5595	6
111 NB	54.15	9/24/08	2:30 PM	COMM	IRR OVERFLOW	5521-5523	4
111 NB	54.00	9/24/08	5:00 PM	COMM	IRR OVERFLOW	5554-5556	8
EB REST AREA		9/24/08	6:20 PM		IRRIGATION SYSTEM OFF		

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 10-3-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
10 EB		10/3/08	6:00 AM	REST AREA	SPRINKLERS ON	1--11	4
86 SB	20.95	10/3/08	6:40 AM	COMM	PONDED FROM IRR OVERFLOW - PLANNED PARENTHOOD	11--15	7
86 SB	20.50	10/3/08	6:48 AM	COMM	PONDED WATER FROM IRR OVERFLOW	16-19	10
86 SB	20.10	10/3/08	6:54 AM	RES	RUNOFF FROM RES COMMUNITY	20-24	12
86 SB	19.85	10/3/08	6:59 AM	RES	PONDED WATER - MULTI-FAM & COMM	25-29	14
86 SB	19.55	10/3/08	7:05 AM	COMM	PONDED WATER UNKNOWN SOURCE	30-33	3
86 SB	19.35	10/3/08	7:10 AM	COMM	RUNOFF FROM IRR OVERFLOW - SPRINKLERS ON	34-40	4
86 SB	19.25	10/3/08	7:13 AM	COMM	RUNOFF FROM IRR OVERFLOW - SPRINKLERS ON	41-48	9
86 SB	19.10	10/3/08	7:16 AM	COMM	RUNOFF FROM PM 19.25	49-55	10
86 SB	19.00	10/3/08	7:20 AM	COMM	RUNOFF FROM PM 19.25	56-60	6
86 SB	18.90	10/3/08	7:25 AM	COMM	RUNOFF FROM PM 19.25	--	0
86 NB	19.25	10/3/08	7:30 AM	COMM	RUNOFF FROM IRR OVERFLOW - AARON'S FURNITURE	61-65	14
111 SB	28.40	10/3/08	7:40 AM	COMM	RUNOFF FROM IRRIGATION OVERFLOW KFC	66-72	2
111 SB	27.65	10/3/08	7:43 AM	COMM	RUNOFF FROM BROKEN SPRINKLER	73-79	19
111 SB	27.55	10/3/08	7:50 AM	COMM	RUNOFF FROM LAS FLORES RESTAURANT	80-89	8
111 SB	27.40	10/3/08	7:52 AM	COMM	RUNOFF FROM PM 27.55	--	3
111 SB	26.85	10/3/08	7:55 AM	RES	RUNOFF FROM RES COMMUNITY	90-93	13
86 SB	21.80	10/3/08	8:13 AM	COMM	RUNOFF FROM IRR OVERFLOW - INDIO GLASS	94-98	3
86 SB	20.30	10/3/08	8:25 AM	COMM	RUNOFF FROM IRR OVERFLOW - SPRINKLER ON	99-101	7
86 SB	20.00	10/3/08	8:30 AM	MULTI-FAM	PONDED WATER FROM IRR OVERFLOW - SPRINKLERS ON	102-108	17
86 SB	19.25	10/3/08	9:42 AM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON	109-112	10

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 10-3-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
86 SB	19.00	10/3/08	9:48 AM	COMM	RUNOFF FROM IRR OVERFLOW FROM PM 19.25 - SPRINKLERS ON	113-117	7
86 SB	18.90	10/3/08	9:50 AM	COMM	RUNOFF FROM PM 19.25	--	1
86 SB	18.60	10/3/08	9:55 AM	COMM	RUNOFF FROM PM 19.25	--	2
86 SB	22.35	10/3/08	10:25 AM	COMM	PONDED WATER - CAR CITY	118-120	7
111 SB	27.65	10/3/08	10:40 AM	COMM	BROKEN SPRINKLER	73-79	20
111 SB	27.55	10/3/08	10:50 AM	COMM	PONDED WATER - LAS FLORES RESTAURANT	80-89	9
111 SB	26.85	10/3/08	11:02 AM	RES	PONDED WATER	90-93	14
86 SB	19.25	10/3/08	11:30 AM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON	121-127	11
86 SB	19.10	10/3/08	11:33 AM	COMM	RUNOFF FROM PM 19.25	49-55	11
86 SB	19.00	10/3/08	11:36 AM	COMM	RUNOFF FROM PM 19.25	56-60	8
86 SB	18.90	10/3/08	11:40 AM	COMM	RUNOFF FROM PM 19.25	--	2
86 SB	18.60	10/3/08	11:45 AM	COMM	RUNOFF FROM PM 19.25	--	3
86 SB	20.50	10/3/08	1:00 PM	COMM	RUNOFF FROM IRR OVERFLOW - COACHELLA SHOPPING - SPRINKLERS ON	128-135	10
86 SB	19.85	10/3/08	1:05 PM	MULTI-FAM	PONDED WATER - MULTI-FAM & COMM	25-29	15
111 SB	25.65	10/3/08	1:35 PM	COMM	FIRE HYDRANT FLUSH	139-143	0
86 SB	19.25	10/3/08	1:50 PM	COMM	PONDED WATER FROM IRRIGATION OVERFLOW	121-127	12
86 SB	19.00	10/3/08	1:55 PM	COMM	RUNOFF FROM PM 19.25	56-60	9
86 SB	19.10	10/3/08	3:00 PM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON	144-147	12
86 NB	19.25	10/3/08	3:10 PM	COMM	RUNOFF FROM IRR OVERFLOW - AARON'S FURNITURE SPRINKLERS ON	148-150	14
86 SB	20.50	10/3/08	3:20 PM	COMM	RUNOFF FROM IRR OVERFLOW COACHELLA SHOPPING CENTER - SPRINKLERS ON	151-154	11
86 SB	19.25	10/3/08	3:55 PM	COMM	RUNOFF FROM IRR OVERFLOW - SPRINKLER ON	155-160	13

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 10-3-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
86 SB	19.10	10/3/08	4:00 PM	COMM	RUNOFF FROM PM 19.25	--	13
111 SB	27.55	10/3/08	4:15 PM	COMM	PONDED WATER FROM LAS FLORES RESTAURANT	80-89	0
111 SB	25.65	10/3/08	4:45 PM	COMM	PONDED WATER FROM FIRE HYDRANT FLUSH	139-143	1
86 SB	19.25	10/3/08	5:05 PM	COMM	RUNOFF FROM IRR OVERFLOW - SPRINKLER ON	155-160	14
86 SB	19.85	10/3/08	5:45 PM	MULTI-FAM	RUNOFF FROM IRR OVERFLOW - SPRINKLER ON	161-168	16
111 SB	27.65	10/3/08	5:55 PM	COMM	BROKEN SPRINKLER	80-89	21
86 SB	18.90	10/3/08	6:00 PM	COMM	RUNOFF FROM PM 19.25	--	3
86 SB	19.10	10/3/08	6:05 PM	COMM	RUNOFF FROM PM 19.25	49-55	14
86 SB	19.25	10/3/08	6:05 PM	COMM	RUNOFF FROM IRR OVERFLOW	155-160	15
86 SB	20.00	10/3/08	6:10 PM	MULTI-FAM	SPRINKLERS ON	102-108	18
10 W	REST AREA	10/3/08	6:45 PM	REST AREA	WHITE WATER REST STOP - SPRINKLERS ON	169-177	2
111 SB	54.15	10/3/08	6:15 AM	COMM	RUNOFF FROM IRR OVERFLOW OF LANDSCAPED PLANTER	5645-46	1
111 NB	54.15	10/3/08	6:35 AM	COMM	RUNOFF FROM IRR OVERFLOW	5647-5650	5
111 NB	52.90	10/3/08	6:50 AM	COMM	SPRINKLER RUNOFF FROM IRR OVERFLOW - WELLS FARGO - SPRINKLERS ON	5651-5652	2
111 SB	51.35	10/3/08	7:00 AM	COMM	SPRINKLER ON - FROM COMM BUS. LANDSCAPED AREA	5653-5657	0
111 SB	50.30	10/3/08	7:10 AM	COMM	SKYWEST PRINTING RUNOFF FROM C & G - UNKNOWN SOURCE	5658-5660	4
111 SB	49.40	10/3/08	7:20 AM	COMM	SPRINKLER ON - BROKEN SPRINKLER HEAD - OVERFLOW TO CB	5661-5665	0
111 SB	47.40	10/3/08	7:35 AM	MULTI-FAM	SPRINKLER ON - OVERFLOW DRAIN INTO CULVERT	5666-5669	0
111 SB	46.70	10/3/08	7:50 AM	COMM	PONDING WATER IN DRIVEWAY OF COMMERCIAL - SOURCE UNKNOWN	5669-5672	0
111 NB	46.70	10/3/08	7:50 AM	COMM	SPRINKLER ON CARPETERIA (67800 PALM CANYON RD)	5673-5674	0

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 10-3-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
111 NB	47.30	10/3/08	8:10 AM	COMM	RUNOFF IN C&G - CANYON PLAZA - UNKNOWN SOURCE	5675	0
111 NB	47.90	10/3/08	8:25 AM	MULTI-FAM	SPRINKLER ON	5676	3
111 NB	54.90	10/3/08	8:45 AM	COMM	SPRINKLER ON - RUNOFF TO C&G	5677-5678	3
111 NB	55.00	10/3/08	8:45 AM	MULTI-FAM	SPRINKLER ON - RUNOFF TO C&G	5679-5680	1
111 SB	50.30	10/3/08	9:15 AM	COMM	RUNOFF IN DRIVEWAY FROM IRR - SKYWEST	5681-82	5
111 SB	49.80	10/3/08	9:25 AM	COMM	RUNOFF IN DRIVEWAY & C&G - UNKNOWN SOURCE	5683-5685	7
111 SB	45.20	10/3/08	9:30 AM	MULTI-FAM	SPRINKLER ON - OVERFLOW LANDSCAPE IRR TO C&G	5686-5688	0
111 SB	46.50	10/3/08	9:40 AM	COMM	RUNOFF IN DRIVEWAY- UNKNOWN SOURCE	5689	4
111 NB	54.00	10/3/08	10:45 AM	COMM	LANDSCAPE IRR RUNOFF - SPRINKLER ON	5690	9
111 NB	54.90	10/3/08	10:55 AM	COMM	SPRINKLER ON - RUNOFF TO C&G	5691-5693	4
111 NB	55.10	10/3/08	11:00 AM	MULTI-FAM	SPRINKLER ON - RUNOFF TO C&G	5694-5696	4
111 SB	54.40	10/3/08	11:15 AM	COMM	PONDING WATER IN C&G - SOURCE: HOTEL/APT. WASH DOWN IN PARKING(56705-56706)	5697-5698	4
111 SB	49.80	10/3/08	11:30 AM	COMM	SPRINKLER ON - RUNOFF TO C&G	5699-5700	8
111 NB	47.60	10/3/08	11:45 AM	MULTI-FAM	SPRINKLER ON - RUNOFF TO C&G	5701-5703	0
111 SB	54.10	10/3/08	1:00 PM	RES	IRR RUNOFF FROM RESTAURANT LANDSCAPE	5704	2
111 NB	55.00	10/3/08	1:05 PM	MULTI-FAM	SPRINKLER ON	--	2
111 SB	51.10	10/3/08	1:20 PM	COMM	RUNOFF IN 1/5 TACHEVA - SOURCE: W. TACHEVA	5707-5708	2
111 SB	50.10	10/3/08	1:30 PM	COMM	AIR MUSEUM LANDSCAPE IRR RUNOFF AT TAMARACK DR.	5709	3
111 SB	47.95	10/3/08	1:40 PM	MULTI-FAM	LAND. IRR. RUNOFF TO C&G	5710-5711	0
111 NB	47.70	10/3/08	4:45 PM	MULTI-FAM	LAND. IRR. RUNOFF TO C&G - SPRINKLER ON	5712-5714	1
111 SB	47.30	10/3/08	4:50 PM	COMM	SPRINKLER ON	5715-5717	0

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 10-6-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
10 EB		10/6/08	5:55 AM	REST AREA	WHITE WATER REST AREA	178-194	5
86 SB	20.95	10/6/08	6:30 AM	COMM	RUNOFF FROM IRR OVERFLOW - PLANNED PARENTHOOD	195-198	8
86 SB	20.50	10/6/08	6:36 AM	COMM	PONDED WATER FROM IRR OVERFLOW - COACHELLA SHOPPING CENTER	199-202	12
86 NB	20.50	10/6/08	6:40 AM	COMM	RUNOFF FROM IRR OVERFLOW - PIZZA HUT - SPRINKLER ON	203-206	5
86 SB	20.10	10/6/08	6:45 AM	RES	RUNOFF FROM RES COMMUNITY	207-211	13
86 SB	19.85	10/6/08	6:52 AM	MULTI-FAM	PONDED WATER FROM MULTI-FAM AND COMMERCIAL	212-217	17
86 SB	19.60	10/6/08	6:57 AM	COMM	PONDED WATER UNKNOWN SOURCE	218-221	0
86 SB	19.25	10/6/08	7:08 AM	COMM	RUNOFF FROM IRR OVERFLOW - SPRINKLERS ON	222-228	16
86 SB	19.10	10/6/08	7:10 AM	RES	RUNOFF FROM IRR OVERFLOW FROM PM 19.25 AND RUNOFF FROM RES COMMUNITY	229-235	15
86 SB	19.00	10/6/08	7:15 AM	COMM	RUNOFF FROM PM 19.25	--	9
86 SB	18.90	10/6/08	7:18 AM	COMM	RUNOFF FROM PM 19.25	---	4
86 NB	19.25	10/6/08	7:20 AM	COMM	RUNOFF FROM IRR OVERFLOW - AARONS FURNITURE	236-240	15
111 SB	28.40	10/6/08	7:30 AM	COMM	RUNOFF FROM IRR OVERFLOW - KFC	241-46	3
111 SB	27.65	10/6/08	7:35 AM	COMM	RUNOFF FROM IRR OVERFLOW - BROKEN SPRINKLER	247-251	22
111 SB	27.55	10/6/08	7:38 AM	COMM	RUNOFF FROM LAS FLORES RESTAURANT	252-260	11
111 SB	25.65	10/6/08	7:50 AM	COMM	PONDED WATER IRR OVERFLOW	261-66	2
86 SB	21.80	10/6/08	8:05 AM	COMM	PONDED WATER IRR OVERFLOW - INDIO AUTO GLASS	267-69	4
86 SB	19.85	10/6/08	8:10 AM	COMM	PONDED WATER - CURB SIDEWALK UNDERDRAIN FLOWING - MULTI-FAM	270-74	18
86 SB	19.75	10/6/08	8:15 AM	COMM	RUNOFF FROM IRR OVERFLOW	275-280	6
86 SB	20.30	10/6/08	8:25 AM	COMM	RUNOFF FROM IRR OVERFLOW - CARDENAS - SPRINKLERS ON	281-284	8
86 SB	19.25	10/6/08	8:40 AM	COMM	PONDED WATER IRR OVERFLOW	222-228	17

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 10-6-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
86 SB	20.50	10/6/08	10:00 AM	COMM	RUNOFF FROM IRR OVERFLOW - COACHELLA SHOPPING CENTER - SPRINKLERS JUST TURNED OFF	285-288	13
86 SB	19.10	10/6/08	10:05 AM	COMM	PONDED WATER FROM IRR OVERFLOW	229-235	16
86 SB	19.00	10/6/08	10:06 AM	COMM	PONDED WATER FROM IRR OVERFLOW	--	10
86 SB	18.90	10/6/08	10:10 AM	COMM	PONDED WATER FROM IRR OVERFLOW	---	5
86 SB	18.60	10/6/08	10:15 AM	COMM	PONDED WATER FROM IRR OVERFLOW	289-292	4
111 SB	27.75	10/6/08	10:25 AM	COMM	PONDED WATER UNKNOWN SOURCE	293-295	4
111 SB	27.40	10/6/08	10:30 AM	CONSTR	PONDED WATER FROM CONSTR ACTIVITY	296-304	4
111 SB	26.85	10/6/08	10:38 AM	CONSTR	PONDED WATER FROM RES COMMUNITY	305-308	15
86 SB	20.50	10/6/08	11:00 AM	COMM	RUNOFF FROM IRR OVERFLOW - COACHELLA SHOPPING CENTER - SPRINKLERS ON	309-312	14
86 SB	19.85	10/6/08	11:05 AM	COMM	RUNOFF FROM IRR OVERFLOW - RITE AID SPRINKLERS ON	313-316	19
86 SB	19.35	10/6/08	11:10 AM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON	317-321	5
86 SB	19.10	10/6/08	11:15 AM	COMM	RUNOFF FROM PM 19.35	--	17
86 SB	20.10	10/6/08	11:35 AM	RES	PONDED WATER FROM RES COMMUNITY	207-211	14
111 SB	27.65	10/6/08	11:55 AM	COMM	BROKEN SPRINKLER	247-251	23
111 SB	27.55	10/6/08	12:02 PM	COMM	PONDED WATER - LAS FLORES RESTAURANT	252-260	12
86 SB	19.10	10/6/08	1:15 PM	RES	PONDED WATER FROM RES COMMUNITY	229-235	18
86 SB	19.00	10/6/08	1:24 PM	COMM	RUNOFF FROM UNKNOWN SOURCE - OVER IRR	322-325	11
86 SB	19.25	10/6/08	2:28 PM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON	326-331	18
111 SB	26.85	10/6/08	2:50 PM	COMM	PONDED WATER IRR OVERFLOW - VALERO GAS	332-334	16
86 NB	19.25	10/6/08	3:00 PM	COMM	RUNOFF FROM IRR OVERFLOW AARONS FURNITURE - SPRINKLERS ON	335-339	16

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 10-6-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
86 SB	19.10	10/6/08	3:05 PM	COMM	RUNOFF FROM IRR OVERFLOW SPRINKLERS ON	340-347	19
86 SB	21.10	10/6/08	3:25 PM	COMM	RUNOFF FROM IRR OVERFLOW JIQUILDAN AUTO	348-351	4
86 SB	20.95	10/6/08	4:25 PM	COMM	RUNOFF FROM IRR OVERFLOW PLANNED PARENTHOOD - SPRINKLERS ON	352-356	9
86 SB	20.00	10/6/08	5:00 PM	MULTI-FAM	RUNOFF FROM IRR OVERFLOW MULTI-FAM - SPRINKLERS ON	357-362	19
111 SB	27.65	10/6/08	5:30 PM	COMM	BROKEN SPRINKLER	247-251	24
111 SB	27.55	10/6/08	5:35 PM	COMM	PONDED WATER - LAS FLORES RESTAURANT	252-260	13
111 SB	27.40	10/6/08	5:38 PM	CONSTR	PONDED WATER FROM CONSTR ACTIVITY	296-304	5
86 SB	19.10	10/6/08	5:45 PM	COMM	PONDED WATER	229-235	20
86 SB	19.85	10/6/08	5:50 PM	MULTI-FAM	RUNOFF FROM OVER IRR.	270-274	20
111 SB	54.05	10/6/08	6:05 AM	COMM	RUNOFF FROM COMM - INDIAN CANYON DR	5722	0
111 NB	52.90	10/6/08	6:30 AM	COMM	SPRINKLER ON - RUNOFF TO C&G	5723	3
111 NB	53.70	10/6/08	6:40 AM	MULTI-FAM	RUNOFF IN O&G - IRR RUNOFF	5724	10
111 SB	52.90	10/6/08	6:45 AM	COMM	SPRINKLER ON - RUNOFF TO C&G	5725	1
111 SB	51.10	10/6/08	7:00 AM	COMM	RUNOFF IN O&G	5726	3
111 SB	49.80	10/6/08	7:05 AM	COMM	SPRINKLER IRR RUNOFF TO C&G	5727-5728	9
111 NB	47.60	10/6/08	7:15 AM	MULTI-FAM	SPRINKLER ON - RUNOFF TO 111	5729	1
111 SB	46.70	10/6/08	7:20 AM	UNKNOWN	PONDING WATER IN DRIVEWAY OF COMM. BUS. -SOURCE UNKOWN	5730	1
111 NB	53.70	10/6/08	7:50 AM	MULTI-FAM	SPRINKLER ON - RUNOFF TO C&G	5731-5733	11
111 NB	54.25	10/6/08	8:00 AM	COMM	IRRIGATION RUNOFF TO C&G	5734	4
111 NB	54.60	10/6/08	8:05 AM	COMM	SPRINKLER ON - RUNOFF TO C&G	5735	0
111 NB	55.30	10/6/08	8:10 AM	RES	SPRINKLER ON - RUNOFF TO C&G	5736	0

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74

Caltrans District 8 Dry Weather Runoff Investigation - Coachella Valley

DRY WEATHER FLOW OBSERVED (WEEK OF 10-6-08)							
Route	PM ¹	Date	Time	Source	Description	Image ID	Number of Previous Observations
111 SB	52.90	10/6/08	8:20 AM	COMM	SPRINKLER ON - RUNOFF TO C&G	5737	2
111 SB	51.35	10/6/08	8:30 AM	COMM	LANDSCAPE IRR RUNOFF TO C&G	5738	1
111 SB	50.30	10/6/08	8:35 AM	COMM	SPRINKLER ON - RUNOFF TO C&G	5739-5740	6
111 SB	47.95	10/6/08	8:40 AM	MULTI-FAM	SPRINKLER ON - RUNOFF TO C&G	5741-5742	1
111 NB	47.70	10/6/08	8:45 AM	MULTI-FAM	SPRINKLER ON - RUNOFF TO C&G	5743	2
111 NB	46.70	10/6/08	9:30 AM	COMM	SPRINKLER ON - RUNOFF TO C&G	5744	1
111 SB	48.10	10/6/08	9:40 AM	MULTI-FAM	SPRINKLER ON - RUNOFF TO C&G	5745-46	0
111 SB	54.40	10/6/08	10:15 AM	MULTI-FAM	WASHING CARS	5747-5748	5
111 SB	52.90	10/6/08	10:20 AM	COMM	LANDSCAPE IRR RUNOFF TO C&G	5749	3
111 NB	54.90	10/6/08	11:40 AM	MULTI-FAM	SPRINKLER ON - RUNOFF TO C&G	5750-5751	5
111 NB	55.40	10/6/08	11:50 AM	MULTI-FAM	SPRINKLER ON - RUNOFF TO C&G	5752	1
111 NB	54.60	10/6/08	11:55 AM	COMM	SPRINKLER ON - RUNOFF TO C&G	5753	1
111 SB	47.30	10/6/08	4:30 PM	COMM	SPRINKLER ON - RUNOFF TO C&G	5754	1
111 SB	46.60	10/6/08	4:40 PM	COMM	RUNOFF IN 1/5 CROSS DRAIN	5755	1
111 NB	47.70	10/6/08	4:45 PM	MULTI-FAM	SPRINKLER ON - RUNOFF TO C&G	5756-5757	3
111 NB	54.00	10/6/08	5:05 PM	COMM	RUNOFF TO C&G - FROM WASHING DOWN	5758	10
111 SB	49.80	10/6/08	5:20 PM	COMM	SPRINKLER ON - RUNOFF TO C&G	5759	10
111 SB	46.90	10/6/08	5:40 PM	COMM	SPRINKLER ON - RUNOFF TO C&G	5760-5761	7
111 SB	46.90	10/6/08	5:55 PM	COMM	BROKEN SPRINKLER - SPRINKLER ON RUNOFF TO C&G	5762	8
111 NB	48.80	10/6/08	6:05 PM	COMM	SPRINKLER ON - RUNOFF TO C&G	5763-5764	0

Notes

¹ PM locations are approximate and may be off by as much as 0.5 miles due to the lack of PM markers on portions of RTE 111,10,86,195,74