

## **Appendix F**

### **2003-04 Los Angeles River and Ballona Creek Watersheds Continuous Deflective System (CDS) Unit Data**

(Data reflects all of 2003-04 Wet Season – October 15, 2003 to April 15, 2004)

**Appendix F - Table 1  
 Trash Baseline Monitoring  
 2003-2004 Storm Season  
 CDS Unit Locations**

<b>Project Name</b>	<b>Thomas Guide Page</b>	<b>Intersection</b>	<b>City</b>	<b>Watershed</b>	<b>Land Use</b>	<b>Tributary Area (acres)</b>	<b>Insert Type</b>	<b>Number of upstream inserts to CDS</b>
(CDS-1) Project No. 504 Moore Street Line E	672-C6, D6	McConnell and Mildred	Culver City	Ballona Creek	HDSFR	26.4	DrainPac	5
(CDS-2) Project No. 411 North Beverly Hills Unit 4 Line B	592-F7	Elevado Ave. and Rodeo Dr.	Beverly Hills	Ballona Creek	LDSFR	67.2	Abtech	13
(CDS-3) Ince Blvd. Drain	672-H1	Ince Blvd. and Lucerne Ave.	Culver City	Ballona Creek	50% HDSFR 50% Industrial	40.6	Abtech	18
(CDS 4) Project No. 562 Pasadena	566-A4	Colorado Blvd. and Mentor Ave.	Pasadena	L.A. River	Commercial	17.0	DrainPac	3
(CDS 5) Project No. 7901 South Pasadena	595-G2	El Centro and Orange Grove Ave.	South Pasadena	L.A. River	Open space/Parks	11.6	DrainPac	5

**Appendix F - Table 2**  
**Ballona Creek Watershed Trash Baseline Monitoring**  
**2003-2004 Summary of CDS Unit and Catch Basin Insert Clean Outs**  
**CDS1 - Mildred Ave.**

*(Information in italics was included in February 17, 2004 submittal)*

HDSFR Land Use		CATCH BASIN INSERTS				CDS UNITS			
		Litter		Sediment & Vegetation		Litter		Sediment & Vegetation	
Storm No.	Cleaning Date	Volume (nearest quarter gallon)	Weight (lbs)						
1	11/01/2003	6.00	3.14	47.25	152.15	5.00	3.14	6.25	29.14
2	11/13/2003	0.00	0.00	7.50	7.10	0.25	1.10	1.00	6.04
3	01/05/2004	0.00	0.00	54.25	119.44	0.25	0.10	1.50	3.08
4	02/03/2004	0.00	0.00	18.50	34.38	0.75	1.05	3.25	9.00
5	02/19/2004	2.00	2.12	26.75	44.40	N/A	N/A	N/A	N/A
6	02/28/2004	1.00	0.04	24.05	74.30	0.75	0.09	4.25	12.09
7	03/03/2004	0.00	0.00	18.00	44.38	0.75	1.13	11.50	40.00
8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wet weather total		9.00	5.30	196.30	476.15	7.75	6.61	27.75	99.35
Dry weather total									
Year End Total		9.00	5.30	196.30	476.15	7.75	6.61	27.75	99.35

**Summary of Calculations**

Assume that the CDS unit captures everything that bypasses the catch basin inserts

**Equations:** Total generated = insert amount + cds amount  
Percent effectiveness of the catch basin =  $\frac{\text{insert amount}}{\text{Total generated}} \times 100$

**Conclusions:** % insert effectiveness<sub>(Litter,lbs)</sub> = 44.50 Based on Weight

% insert effectiveness<sub>(Litter,gal)</sub> = 53.73 Based on Volume

**Appendix F - Table 3**  
**Ballona Creek Watershed Trash Baseline Monitoring**  
**2003-2004 Summary of CDS Unit and Catch Basin Insert Clean Outs**  
**CDS2 - Elevado Ave.**

*(Information in italics was included in February 17, 2004 submittal)*

LDSFR Land Use		CATCH BASIN INSERTS				CDS UNITS			
		Litter		Sediment & Vegetation		Litter		Sediment & Vegetation	
Storm No.	Cleaning Date	Volume (nearest quarter gallon)	Weight (lbs)						
1	11/01/2003	2.00	2.40	32.00	210.60	7.50	18.02	38.75	311.08
2	11/13/2003	N/A	N/A	N/A	N/A	0.00	0.00	31.00	294.08
3	01/05/2004	7.75	10.03	37.75	238.40	4.75	10.02	33.75	281.12
4	02/03/2004	4.50	7.60	26.75	177.60	1.25	2.04	16.25	115.10
5	02/19/2004	3.00	5.20	16.65	114.80	2.50	3.06	23.50	198.04
6	02/28/2004	3.00	3.80	15.00	95.20	2.75	3.08	26.75	202.06
7	03/03/2004	5.00	8.20	17.50	100.00	1.25	2.04	16.25	115.10
8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wet weather total		25.25	37.23	145.65	936.60	20.00	38.26	186.25	1516.58
Dry weather total									
Year End Total		25.25	37.23	145.65	936.60	20.00	38.26	186.25	1516.58

**Summary of Calculations**

Assume that the CDS unit captures everything that bypasses the catch basin inserts

**Equations:** Total generated = insert amount + cds amount  
Percent effectiveness of the catch basin =  $\frac{\text{insert amount}}{\text{Total generated}} \times 100$

**Conclusions:** % insert effectiveness<sub>(Litter,lbs)</sub> = 49.32 Based on Weight  
% insert effectiveness<sub>(Litter,gal)</sub> = 55.80 Based on Volume

**Appendix F - Table 4**  
**Ballona Creek Watershed Trash Baseline Monitoring**  
**2003-2004 Summary of CDS Unit and Catch Basin Insert Clean Outs**  
**CDS3 - Ince Blvd.**

*(Information in italics was included in February 17, 2004 submittal)*

50% Industrial Land Use 50% HDSFR Land Use		CATCH BASIN INSERTS				CDS UNITS			
		Litter		Sediment & Vegetation		Litter		Sediment & Vegetation	
Storm No.	Cleaning Date	Volume (nearest quarter gallon)	Weight (lbs)						
1	11/01/2003	3.75	5.20	27.25	189.60	2.50	3.05	51.00	472.12
2	11/13/2003	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	0.00	0.00	28.00	175.03
3	01/05/2004	5.00	6.00	50.50	196.90	7.75	5.08	33.25	248.12
4	02/03/2004	4.50	4.80	34.25	162.00	6.25	4.03	29.75	257.02
5	02/19/2004	3.25	5.00	23.25	97.20	8.25	11.08	36.75	311.02
6	02/28/2004	4.50	5.00	16.40	64.80	4.25	6.02	42.25	352.00
7	03/03/2004	6.00	9.60	16.75	56.60	5.00	8.02	36.75	310.05
8	N/A	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
Wet weather total		27.00	35.60	168.40	767.10	34.00	37.28	257.75	2125.36
Dry weather total									
Year End Total		27.00	35.60	168.40	767.10	34.00	37.28	257.75	2125.36

**Summary of Calculations**

Assume that the CDS unit captures everything that bypasses the catch basin inserts

**Equations:** Total generated = insert amount + cds amount  
Percent effectiveness of the catch basin =  $\frac{\text{insert amount}}{\text{Total generated}} \times 100$

**Conclusions:** % insert effectiveness<sub>(Litter, lbs)</sub> = 48.85 Based on Weight  
% insert effectiveness<sub>(Litter, gal)</sub> = 44.26 Based on Volume

**Appendix F - Table 5**  
**LA River Watershed Trash Baseline Study**  
**2003-2004 Summary of CDS Unit and Catch Basin Insert Clean Outs**  
**CDS4 - Colorado Blvd.**

*(Information in italics was included in February 17, 2004 submittal)*

Commercial		CATCH BASIN INSERTS				CDS UNITS			
		Litter		Sediment & Vegetation		Litter		Sediment & Vegetation	
Storm No.	Cleaning Date	Volume (nearest quarter gallon)	Weight (lbs)						
1	11/01/2003	7.50	8.04	18.00	87.24	4.50	2.15	25.50	146.10
2	11/13/2003	0.00	0.00	17.50	68.10	0.75	1.05	2.25	14.03
3	01/05/2004	0.00	0.00	44.00	200.00	0.75	1.10	1.75	7.08
4	02/03/2004	1.00	1.02	18.50	78.11	0.25	0.08	2.25	5.03
5	02/19/2004	3.00	6.20	12.00	82.14	N/A	N/A	N/A	N/A
6	02/28/2004	1.00	0.14	19.00	55.20	0.75	1.07	5.50	10.08
7	03/03/2004	0.00	0.00	13.50	40.22	1.50	2.07	6.25	12.02
8	04/01/2004	2.50	2.20	33.50	101.80	0.75	1.09	3.75	9.02
Wet weather total		15.00	17.60	142.50	611.01	9.25	8.61	47.25	203.36
Dry weather total									
Year End Total		15.00	17.60	142.50	611.01	9.25	8.61	47.25	203.36

**Summary of Calculations**

Assume that the CDS unit captures everything that bypasses the catch basin inserts

**Equations:** Total generated insert amount + cds amount  
Percent effectiveness of the catch basin =  $\frac{\text{insert amount} / \text{Total generated}}{\text{Total generated}} \times 100$

**Conclusions:** % insert effectiveness<sub>(Litter,lbs)</sub> = 67.15 Based on Weight

% insert effectiveness<sub>(Litter,gal)</sub> = 61.86 Based on Volume

**Appendix F - Table 6**  
**LA River Watershed Trash Baseline Study**  
**2003-2004 Summary of CDS Unit and Catch Basin Insert Clean Outs**  
**CDS5 - El Centro Blvd.**

*(Information in italics was included in February 17, 2004 submittal)*

Open Space/Parks		CATCH BASIN INSERTS				CDS UNITS			
		Litter		Sediment & Vegetation		Litter		Sediment & Vegetation	
Storm No.	Cleaning Date	Volume (nearest quarter gallon)	Weight (lbs)						
1	11/01/2003	0.00	0.00	49.00	195.23	0.00	0.00	1.75	10.60
2	11/13/2003	0.00	0.00	35.00	94.23	0.00	0.00	10.25	57.03
3	01/05/2004	0.00	0.00	59.00	252.54	0.00	0.00	2.25	13.08
4	02/03/2004	5.00	3.13	19.50	84.26	4.25	3.10	74.25	563.02
5	02/19/2004	3.00	5.30	17.00	102.26	0.25	0.06	8.75	41.02
6	02/28/2004	0.00	0.00	35.00	168.48	0.00	0.00	4.75	22.03
7	03/03/2004	2.00	2.25	9.50	32.46	4.00	3.10	7.25	36.09
8	04/01/2004	2.00	0.20	19.75	56.18	1.00	1.10	5.75	12.12
Wet weather total		12.00	10.68	224.00	929.46	9.50	7.36	115.00	754.99
Dry weather total									
Year End Total		12.00	10.68	224.00	929.46	9.50	7.36	115.00	754.99

**Summary of Calculations**

Assume that the CDS unit captures everything that bypasses the catch basin inserts

**Equations:** Total generated = insert amount + cds amount  
Percent effectiveness of the catch basin =  $\frac{\text{insert amount}}{\text{Total generated}} \times 100$

**Conclusions:** % insert effectiveness<sub>(Litter,lbs)</sub> = 59.20 Based on Weight

% insert effectiveness<sub>(Litter,gal)</sub> = 55.81 Based on Volume