

Appendix C

**2002-03 Los Angeles River and Ballona Creek Watersheds
Continuous Deflective System (CDS) Unit Data**

**Appendix C - Table 1
 Trash Baseline Monitoring
 2002-2003 Storm Season
 CDS Unit Locations**

(No information has changed since February 17, 2004 submittal)

Project Name	Thomas Guide Page	Intersection	City	Watershed	Land Use	Tributary Area (acres)	Insert Type	Number of upstream inserts to CDS
(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

Appendix C - Table 2
Ballona Creek Watershed Trash Baseline Monitoring
2002-2003 Summary of CDS Unit and Catch Basin Insert Clean Outs*
CDS1 - Mildred Ave.

(No information has changed since 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)						
4	12/23/2002 ¹	0.50	1.02	20.75	54.17	17.00	62.50	327.00	2103.00
5	02/14/2003	3.75	3.14	65.00	217.37	15.00	16.12	134.00	732.80
6	02/28/2003	0.00	0.00	20.75	27.30	1.00	4.10	42.00	232.00
7	03/18/2003	4.00	1.46	27.00	41.48	2.00	5.00	95.00	320.00
8	04/18/2003	1.00	0.18	36.00	46.18	12.00	8.00	30.00	126.00
9	05/05/2003	3.00	0.26	25.25	56.42	8.00	8.75	20.00	113.13
Wet weather total		11.75	5.04	174.00	388.75	38.00	41.97	321.00	1523.93
² Dry weather total	08/05/2003	16.25	5.26	44.26	90.26	7.00	19.00	107.00	840.00
Year End Total		28.00	10.30	218.26	479.01	45.00	60.97	428.00	2363.93

¹01/28/2003 is the first cleaning of the cds unit after installation- litter due to construction

²based on 1 dry weather clean-out

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 = (Insert amount/Total generated) X 100

Conclusions: % insert effectiveness_(Litter,lbs) = 14.45 Based on Weight
 % insert effectiveness_(Litter,gal) = 38.36 Based on Volume

Appendix C - Table 3
Ballona Creek Watershed Trash Baseline Monitoring
2002-2003 Summary of CDS Unit and Catch Basin Insert Clean Outs*
CDS2 - Elevado Ave.

(No information has changed since 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)						
4	12/23/2002 ¹	1.75	5.20	19.00	75.00	5.00	16.00	276.00	1477.00
5	02/14/2003	5.00	27.00	25.75	185.20	3.00	5.40	81.00	483.00
6	02/28/2003	0.50	1.40	18.75	140.10	0.50	1.75	124.00	635.00
7	03/18/2003	0.78	0.40	5.91	51.00	3.00	6.38	117.00	496.00
8	04/18/2003	0.50	2.60	29.25	277.60	10.00	5.13	142.00	661.00
9	05/05/2003	8.62	4.40	11.94	103.00	10.00	11.88	146.00	594.00
Wet weather total		15.41	35.80	91.59	756.90	26.50	30.54	610.00	2869.00
² Dry weather total	08/05/2003	11.76	13.00	56.69	489.20	9.50	20.00	348.50	2720.00
Year End Total		27.17	48.80	148.28	1246.10	36.00	50.54	958.50	5589.00

¹01/28/2003 is the first cleaning of the cds unit after installation- litter due to construction

²based on 1 dry weather clean-out

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 = $\left(\frac{\text{Insert amount}}{\text{Total generated}} \right) \times 100$

Conclusions: % insert effectiveness_(Litter,lbs) = 49.12 Based on Weight

% insert effectiveness_(Litter,gal) = 43.01 Based on Volume

Appendix C - Table 4
Ballona Creek Watershed Trash Baseline Monitoring
2002-2003 Summary of CDS Unit and Catch Basin Insert Clean Outs*
CDS3 - Ince Blvd.

(No information has changed since 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)							
4	12/23/2002 ¹	2.75	5.80	22.75	77.80	6.00	14.00	132.00	935.00	
5	02/14/2003	3.00	13.00	24.25	161.20	10.00	14.80	121.00	438.80	
6	02/28/2003	0.50	1.20	20.25	127.40	16.50	11.00	167.00	621.50	
7	03/18/2003	5.49	2.80	10.56	91.10	3.00	4.25	118.00	447.00	
8	04/18/2003	5.25	13.60	27.75	128.00	2.00	1.13	120.00	711.50	
9	05/05/2003	1.57	0.80	8.32	71.80	5.00	6.00	108.00	405.00	
Wet weather total		15.81	31.40	91.13	579.50	36.50	37.18	634.00	2623.80	
² Dry weather total		08/05/2003	7.64	4.50	17.31	149.40	13.00	24.00	182.00	1420.00
Year End Total		23.45	35.90	108.44	728.90	49.50	61.18	816.00	4043.80	

¹01/28/2003 is the first cleaning of the cds unit after installation- litter due to construction

²based on 1 dry weather clean-out

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_(Litter,lbs) = 36.98 Based on Weight

% insert effectiveness_(Litter,gal) = 32.15 Based on Volume