



Effect Determination for Atrazine

**APPENDIX D: Stepwise Approach to Modeling Using the
Residential Scenario as an Example**

Posted on September 1, 2006

APPENDIX D: Stepwise Approach to Modeling Using the Residential Scenario as an Example

Run Residential and Impervious Scenario Using Modified PE4v01.pl which was modified to provide daily time series (TSER) versus the standard cumulative output (TCUM)

Copy the daily time series output for water column concentrations from the PE4v01.pl generated output file (with the file naming format of *_TS.out) for both the residential and impervious scenarios and paste in the Microsoft Excel file (see columns C and D in Figure A1 below)

Insert the value for percent pervious (1/4 acre lot) into column E (see Figure A1)

Insert the value for percent impervious into column F (see Figure 1)

Insert the value for percent applied to lot into column G (see Figure A1)

Calculate (imbedded in cell in column H) a weighted EEC for the EXAMS ecological water body. First, the daily value for the pervious scenario is adjusted based on the percentage of the ¼ acre lot treated (50% in the example). Then a weighted EEC is calculated using the percentages of pervious and impervious assumed present in the watershed. (Figure A1)

Calculate (imbedded in cell) rolling time weighted averages for the appropriate durations including 14-day (column J), 21-day (column K), 30-day (column L), 60-day (column M), and 90-day (column N). See Figure A2. Time weighted averages are calculated using the daily values from half of the duration preceding the day of interest and half the daily values after the day of interest. For example, for the 14-day average on June 14 is calculated by averaging daily values from June 7 to June 21. This calculation is repeated for each day for each duration across the entire 30 years of daily values.

Summarize the maximum value for each rolling average for each year between 1961 and 1990 and calculate the 1 in 10 year return frequency for each duration (Figure A3).

Report the 1 in 10 year return frequency concentration for each duration as the relevant EEC for risk assessment.

Microsoft Excel - CB granular res 1% overspray

File Edit View Insert Format Tools Data Window Help

B3 = 1/1/1961

	A	B	C	D	E	F	G	H	I
1									
2	day	date	Residential EEC	Impervious EEC	Percent Pervious	Percent Impervious	PCA	Adjusted EEC	
3	0	1/1/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
4	1	1/2/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
5	2	1/3/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
6	3	1/4/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
7	4	1/5/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
8	5	1/6/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
9	6	1/7/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
10	7	1/8/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
11	8	1/9/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
12	9	1/10/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
13	10	1/11/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
14	11	1/12/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
15	12	1/13/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
16	13	1/14/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
17	14	1/15/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
18	15	1/16/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
19	16	1/17/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
20	17	1/18/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
21	18	1/19/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
22	19	1/20/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
23	20	1/21/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
24	21	1/22/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
25	22	1/23/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
26	23	1/24/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
27	24	1/25/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
28	25	1/26/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
29	26	1/27/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	
30	27	1/28/1961	0.00E+00	0.00E+00	7.00E-01	3.00E-01	5.00E-01	0.00E+00	

Ready

start | 070606 AL sturgeon ... | AB Appendix A & B ... | BSS Appendix C & D ... | CB corn EEC | CB granular res 1% o... | 11:13 AM

Microsoft Excel - CB granular res 1% overspray

File Edit View Insert Format Tools Data Window Help

Formula Bar: H3 = ((C3*E3*G3)+(D3*F3))

	G	H	I	J	K	L	M	N	O
1									
2	PCA	Adjusted EEC		14 day	21 day	30 day	60 day	90 day	Year
3	5.00E-01	0.00E+00							
4	5.00E-01	0.00E+00							
5	5.00E-01	0.00E+00							
6	5.00E-01	0.00E+00							
7	5.00E-01	0.00E+00							
8	5.00E-01	0.00E+00							
9	5.00E-01	0.00E+00		0.00E+00					
10	5.00E-01	0.00E+00		0.00E+00					
11	5.00E-01	0.00E+00		0.00E+00					
12	5.00E-01	0.00E+00		0.00E+00					
13	5.00E-01	0.00E+00		0.00E+00	0.00E+00				
14	5.00E-01	0.00E+00		0.00E+00	0.00E+00				
15	5.00E-01	0.00E+00		0.00E+00	0.00E+00				
16	5.00E-01	0.00E+00		0.00E+00	0.00E+00				
17	5.00E-01	0.00E+00		0.00E+00	0.00E+00	0.00E+00			
18	5.00E-01	0.00E+00		0.00E+00	0.00E+00	0.00E+00			
19	5.00E-01	0.00E+00		0.00E+00	0.00E+00	0.00E+00			
20	5.00E-01	0.00E+00		0.00E+00	0.00E+00	0.00E+00			
21	5.00E-01	0.00E+00		0.00E+00	0.00E+00	0.00E+00			
22	5.00E-01	0.00E+00		0.00E+00	0.00E+00	0.00E+00			
23	5.00E-01	0.00E+00		0.00E+00	0.00E+00	0.00E+00			
24	5.00E-01	0.00E+00		0.00E+00	0.00E+00	0.00E+00			
25	5.00E-01	0.00E+00		0.00E+00	0.00E+00	0.00E+00			
26	5.00E-01	0.00E+00		0.00E+00	0.00E+00	0.00E+00			
27	5.00E-01	0.00E+00		0.00E+00	0.00E+00	0.00E+00			
28	5.00E-01	0.00E+00		0.00E+00	0.00E+00	0.00E+00			

Ready | NUM

Windows Taskbar: start | 070606 AL sturgeon ... | AB Appendix A & B - ... | BSS Appendix C & D - ... | CB corn EEC | CB granular res 1% o... | 11:20 AM

Microsoft Excel - CB granular res 1% overspray

File Edit View Insert Format Tools Data Window Help

H3 = ((C3*E3*G3)+(D3*F3))

	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1															
2	14 day	21 day	30 day	60 day	90 day		Year	Max Peak	Max 14 day	Max 21 day	Max 30 day	Max 60 day	Max 90 day		
3							1961	2.66E-03	2.63E-03	2.62E-03	2.61E-03	2.57E-03	2.54E-03		
4							1962	4.29E-03	4.23E-03	4.21E-03	4.21E-03	4.19E-03	4.13E-03		
5							1963	4.09E-03	4.05E-03	4.04E-03	4.02E-03	3.99E-03	3.92E-03		
6							1964	4.45E-03	4.40E-03	4.37E-03	4.34E-03	4.24E-03	4.18E-03		
7							1965	4.25E-03	4.20E-03	4.18E-03	4.16E-03	4.10E-03	4.05E-03		
8							1966	4.75E-03	4.72E-03	4.69E-03	4.66E-03	4.54E-03	4.43E-03		
9	0.00E+00						1967	7.59E-03	7.53E-03	7.49E-03	7.44E-03	7.26E-03	7.09E-03		
10	0.00E+00						1968	6.57E-03	6.50E-03	6.49E-03	6.46E-03	6.35E-03	6.28E-03		
11	0.00E+00						1969	6.53E-03	6.44E-03	6.41E-03	6.37E-03	6.28E-03	6.19E-03		
12	0.00E+00						1970	9.38E-03	9.27E-03	9.21E-03	9.17E-03	9.05E-03	8.93E-03		
13	0.00E+00	0.00E+00					1971	1.08E-02	1.07E-02	1.07E-02	1.06E-02	1.03E-02	1.02E-02		
14	0.00E+00	0.00E+00					1972	9.40E-03	9.30E-03	9.27E-03	9.22E-03	9.11E-03	8.98E-03		
15	0.00E+00	0.00E+00					1973	1.05E-02	1.04E-02	1.04E-02	1.03E-02	1.01E-02	9.90E-03		
16	0.00E+00	0.00E+00					1974	8.39E-03	8.33E-03	8.32E-03	8.30E-03	8.18E-03	8.08E-03		
17	0.00E+00	0.00E+00	0.00E+00				1975	7.90E-03	7.83E-03	7.80E-03	7.79E-03	7.73E-03	7.60E-03		
18	0.00E+00	0.00E+00	0.00E+00				1976	1.69E-02	1.67E-02	1.66E-02	1.65E-02	1.61E-02	1.56E-02		
19	0.00E+00	0.00E+00	0.00E+00				1977	1.43E-02	1.42E-02	1.41E-02	1.41E-02	1.40E-02	1.38E-02		
20	0.00E+00	0.00E+00	0.00E+00				1978	1.18E-02	1.17E-02	1.17E-02	1.16E-02	1.14E-02	1.12E-02		
21	0.00E+00	0.00E+00	0.00E+00				1979	9.90E-03	9.83E-03	9.79E-03	9.75E-03	9.65E-03	9.55E-03		
22	0.00E+00	0.00E+00	0.00E+00				1980	8.55E-03	8.48E-03	8.46E-03	8.44E-03	8.34E-03	8.26E-03		
23	0.00E+00	0.00E+00	0.00E+00				1981	9.63E-03	9.51E-03	9.47E-03	9.42E-03	9.21E-03	8.97E-03		
24	0.00E+00	0.00E+00	0.00E+00				1982	1.02E-02	1.01E-02	1.00E-02	9.98E-03	9.94E-03	9.85E-03		
25	0.00E+00	0.00E+00	0.00E+00				1983	9.35E-03	9.31E-03	9.30E-03	9.25E-03	9.06E-03	8.86E-03		
26	0.00E+00	0.00E+00	0.00E+00				1984	9.21E-03	9.10E-03	9.06E-03	9.05E-03	8.91E-03	8.77E-03		
27	0.00E+00	0.00E+00	0.00E+00				1985	1.05E-02	1.04E-02	1.03E-02	1.03E-02	1.01E-02	9.84E-03		
28	0.00E+00	0.00E+00	0.00E+00				1986	9.03E-03	8.92E-03	8.88E-03	8.85E-03	8.78E-03	8.68E-03		
29	0.00E+00	0.00E+00	0.00E+00				1987	9.38E-03	9.33E-03	9.31E-03	9.26E-03	9.06E-03	8.84E-03		
30	0.00E+00	0.00E+00	0.00E+00				1988	8.76E-03	8.68E-03	8.64E-03	8.62E-03	8.47E-03	8.29E-03		
31	0.00E+00	0.00E+00	0.00E+00				1989	1.14E-02	1.14E-02	1.13E-02	1.13E-02	1.10E-02	1.08E-02		
32	0.00E+00	0.00E+00	0.00E+00	0.00E+00			1990	1.05E-02	1.05E-02	1.04E-02	1.04E-02	1.02E-02	1.00E-02		
33	0.00E+00	0.00E+00	0.00E+00	0.00E+00											
34	0.00E+00	0.00E+00	0.00E+00	0.00E+00											
35	0.00E+00	0.00E+00	0.00E+00	0.00E+00				90th % (ppm)	0.01147	0.0113889	0.0113461	0.0112948	0.0110592	0.0108399	
36	0.00E+00	0.00E+00	0.00E+00	0.00E+00											
37	0.00E+00	0.00E+00	0.00E+00	0.00E+00				90th % (ppb)	11.4713	11.388864	11.346062	11.29484	11.059217	10.839901	
38	0.00E+00	0.00E+00	0.00E+00	0.00E+00											
39	0.00E+00	0.00E+00	0.00E+00	0.00E+00											
40	0.00E+00	0.00E+00	0.00E+00	0.00E+00											

Ready NUM

start 070606 AL sturgeon ... AB Appendix A & B ... BSS Appendix C & D ... CB corn EEC CB granular res 1% o... 11:21 AM

Alabama River Sturgeon PRZM Input Files

TX_BSSResidential.txt

"Texas Residential Areas in the Barton Springs Segment of the Edwards Aquifer, Hays and Travis Counties, TX. Metfile: W13958.dvf (Austin, TX)"

*** Record 3:

0.69 0.36 0 25 1 2

*** Record 6 -- ERFLAG

4

*** Record 7:

0.37 1.34 1 10 4 6 354

*** Record 8

1

*** Record 9

1 0.15 15 100 2 83 83 83 0 7.6

*** Record 9a-d

1 24

1603 0104 1604 0105 1605 0106 1606 0107 1607 0108 1608 0109 1609 0110 1610 0111

.004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004

.110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110

1611 0112 1612 0101 1601 0102 1602 0103

.004 .004 .004 .004 .004 .004 .004 .004

.110 .110 .110 .110 .110 .110 .110 .110

*** Record 10 -- NCPDS, the number of cropping periods

30

*** Record 11

160361 310361 101161 1

160362 310362 101162 1

160363 310363 101163 1

160364 310364 101164 1

160365 310365 101165 1

160366 310366 101166 1

160367 310367 101167 1

160368 310368 101168 1

160369 310369 101169 1

160370 310370 101170 1

160371 310371 101171 1

160372 310372 101172 1

160373 310373 101173 1

160374 310374 101174 1

160375 310375 101175 1

160376 310376 101176 1

160377 310377 101177 1

160378 310378 101178 1

160379 310379 101179 1

160380 310380 101180 1

160381 310381 101181 1

160382 310382 101182 1

160383 310383 101183 1

160384 310384 101184 1

160385 310385 101185 1

160386 310386 101186 1

160387 310387 101187 1

160388 310388 101188 1

160389 310389 101189 1

160390 310390 101190 1

*** Record 12 -- PTTITLE

atrazine - 2 applications @ 2.24 kg/ha

*** Record 13

60 1 0 0

*** Record 15 -- PSTNAM

atrazine

*** Record 16

010461 0 8 1.0 2.24 0.99 0
010561 0 8 1.0 2.24 0.99 0
010462 0 8 1.0 2.24 0.99 0
010562 0 8 1.0 2.24 0.99 0
010463 0 8 1.0 2.24 0.99 0
010563 0 8 1.0 2.24 0.99 0
010464 0 8 1.0 2.24 0.99 0
010564 0 8 1.0 2.24 0.99 0
010465 0 8 1.0 2.24 0.99 0
010565 0 8 1.0 2.24 0.99 0
010466 0 8 1.0 2.24 0.99 0
010566 0 8 1.0 2.24 0.99 0
010467 0 8 1.0 2.24 0.99 0
010567 0 8 1.0 2.24 0.99 0
010468 0 8 1.0 2.24 0.99 0
010568 0 8 1.0 2.24 0.99 0
010469 0 8 1.0 2.24 0.99 0
010569 0 8 1.0 2.24 0.99 0
010470 0 8 1.0 2.24 0.99 0
010570 0 8 1.0 2.24 0.99 0
010471 0 8 1.0 2.24 0.99 0
010571 0 8 1.0 2.24 0.99 0
010472 0 8 1.0 2.24 0.99 0
010572 0 8 1.0 2.24 0.99 0
010473 0 8 1.0 2.24 0.99 0
010573 0 8 1.0 2.24 0.99 0
010474 0 8 1.0 2.24 0.99 0
010574 0 8 1.0 2.24 0.99 0
010475 0 8 1.0 2.24 0.99 0
010575 0 8 1.0 2.24 0.99 0
010476 0 8 1.0 2.24 0.99 0
010576 0 8 1.0 2.24 0.99 0
010477 0 8 1.0 2.24 0.99 0
010577 0 8 1.0 2.24 0.99 0
010478 0 8 1.0 2.24 0.99 0
010578 0 8 1.0 2.24 0.99 0
010479 0 8 1.0 2.24 0.99 0
010579 0 8 1.0 2.24 0.99 0
010480 0 8 1.0 2.24 0.99 0
010580 0 8 1.0 2.24 0.99 0
010481 0 8 1.0 2.24 0.99 0
010581 0 8 1.0 2.24 0.99 0
010482 0 8 1.0 2.24 0.99 0
010582 0 8 1.0 2.24 0.99 0
010483 0 8 1.0 2.24 0.99 0
010583 0 8 1.0 2.24 0.99 0
010484 0 8 1.0 2.24 0.99 0
010584 0 8 1.0 2.24 0.99 0
010485 0 8 1.0 2.24 0.99 0

```

010585 0 8 1.0 2.24 0.99 0
010486 0 8 1.0 2.24 0.99 0
010586 0 8 1.0 2.24 0.99 0
010487 0 8 1.0 2.24 0.99 0
010587 0 8 1.0 2.24 0.99 0
010488 0 8 1.0 2.24 0.99 0
010588 0 8 1.0 2.24 0.99 0
010489 0 8 1.0 2.24 0.99 0
010589 0 8 1.0 2.24 0.99 0
010490 0 8 1.0 2.24 0.99 0
010590 0 8 1.0 2.24 0.99 0
*** Record 17
0 1 0
*** Record 19 -- STITLE
"Brackett-Rock outcrop complex, 1 to 12 percent slopes (MapUnit), Brackett (Component), Hydrologic
Group C"
*** Record 20
48 0 0 1 0 0 1 0 0 0
*** Record 26
0 0 0
*** Record 27 -- irrigation
3 0.1 0.95 0.032
*** Record 30
4 87.78
*** Record 33
4
1 2 0.37 0.47 0 0 0
0.00456 0.00456 0
0.1 0.47 0.27 7.5 0
2 10 1.4 0.28 0 0 0
0.00456 0.00456 0
5 0.28 0.164 1.16 0
3 5 1.4 0.28 0 0 0
0.00456 0.00456 0
5 0.28 0.164 1.16 0
4 31 1.43 0.252 0 0 0
0.00456 0.00456 0
1 0.252 0.145 0.73 0
***Record 40
0
YEAR 10 YEAR 10 YEAR 10 1
1
1 ----
7 YEAR
PRCP tser 0 0
RUNF tser 0 0
INFL tser 1 1
ESLS tser 0 0 1.0E3
RFLX tser 0 0 1.0E5
EFLX tser 0 0 1.0E5
RZFX tser 0 0 1.0E5

```


TX_BSSImpervious.txt

"Texas Impervious Surfaces in the Barton Springs Segment of the Edwards Aquifer, Hays and Travis Counties, TX. Metfile: W13958.dvf (Austin, TX)"

*** Record 3:

0.69 0.36 0 25 1 1

*** Record 6 -- ERFLAG

4

*** Record 7:

0 1.34 1 10 4 6 354

*** Record 8

1

*** Record 9

1 0 0 0 1 98 98 98 0 0

*** Record 9a-d

1 24

0101 1601 0102 1602 0103 1603 0104 1604 0105 1605 0106 1606 0107 1607 0108 1608

.000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000

.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011

0109 1609 0110 1610 0111 1611 0112 1612

.000 .000 .000 .000 .000 .000 .000 .000

.011 .011 .011 .011 .011 .011 .011 .011

*** Record 10 -- NCPDS, the number of cropping periods

30

*** Record 11

010161 020161 311261 1

010162 020162 311262 1

010163 020163 311263 1

010164 020164 311264 1

010165 020165 311265 1

010166 020166 311266 1

010167 020167 311267 1

010168 020168 311268 1

010169 020169 311269 1

010170 020170 311270 1

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010172 020172 311272 1

010173 020173 311273 1

010174 020174 311274 1

010175 020175 311275 1

010176 020176 311276 1

010177 020177 311277 1

010178 020178 311278 1

010179 020179 311279 1

010180 020180 311280 1

010181 020181 311281 1

010182 020182 311282 1

010183 020183 311283 1

010184 020184 311284 1

010185 020185 311285 1

010186 020186 311286 1

010187 020187 311287 1

010188 020188 311288 1

010189 020189 311289 1

010190 020190 311290 1

*** Record 12 -- PTITLE

atrazine - 2 applications @ 0 kg/ha

*** Record 13

60 1 0 0

*** Record 15 -- PSTNAM

atrazine

*** Record 16

010461 08 1.0 00.99 0
010561 08 1.0 00.99 0
010462 08 1.0 00.99 0
010562 08 1.0 00.99 0
010463 08 1.0 00.99 0
010563 08 1.0 00.99 0
010464 08 1.0 00.99 0
010564 08 1.0 00.99 0
010465 08 1.0 00.99 0
010565 08 1.0 00.99 0
010466 08 1.0 00.99 0
010566 08 1.0 00.99 0
010467 08 1.0 00.99 0
010567 08 1.0 00.99 0
010468 08 1.0 00.99 0
010568 08 1.0 00.99 0
010469 08 1.0 00.99 0
010569 08 1.0 00.99 0
010470 08 1.0 00.99 0
010570 08 1.0 00.99 0
010471 08 1.0 00.99 0
010571 08 1.0 00.99 0
010472 08 1.0 00.99 0
010572 08 1.0 00.99 0
010473 08 1.0 00.99 0
010573 08 1.0 00.99 0
010474 08 1.0 00.99 0
010574 08 1.0 00.99 0
010475 08 1.0 00.99 0
010575 08 1.0 00.99 0
010476 08 1.0 00.99 0
010576 08 1.0 00.99 0
010477 08 1.0 00.99 0
010577 08 1.0 00.99 0
010478 08 1.0 00.99 0
010578 08 1.0 00.99 0
010479 08 1.0 00.99 0
010579 08 1.0 00.99 0
010480 08 1.0 00.99 0
010580 08 1.0 00.99 0
010481 08 1.0 00.99 0
010581 08 1.0 00.99 0
010482 08 1.0 00.99 0
010582 08 1.0 00.99 0
010483 08 1.0 00.99 0
010583 08 1.0 00.99 0
010484 08 1.0 00.99 0
010584 08 1.0 00.99 0
010485 08 1.0 00.99 0
010585 08 1.0 00.99 0
010486 08 1.0 00.99 0

010586 0 8 1.0 0 0.99 0
010487 0 8 1.0 0 0.99 0
010587 0 8 1.0 0 0.99 0
010488 0 8 1.0 0 0.99 0
010588 0 8 1.0 0 0.99 0
010489 0 8 1.0 0 0.99 0
010589 0 8 1.0 0 0.99 0
010490 0 8 1.0 0 0.99 0
010590 0 8 1.0 0 0.99 0

*** Record 17

0 1 0

*** Record 19 -- STITLE

"Brackett-Rock outcrop-Comfort complex, 1 to 12 percent slopes (MapUnit), Brackett (Component),
Hydrologic Group C"

*** Record 20

46 0 0 1 0 0 0 0 0 0

*** Record 26

0 0 0

*** Record 30

2 33

*** Record 33

3

1 10 1.9 0.28 0 0 0

0 0 0

0.1 0.28 0.28 1.16 0

2 5 1.4 0.28 0 0 0

0 0 0

5 0.28 0.164 0.73 0

3 31 1.43 0.252 0 0 0

0 0 0

1 0.252 0.145 0 0

***Record 40

0

YEAR 10 YEAR 10 YEAR 10 1

1

1 ----

7 YEAR

PRCP tser 0 0

RUNF tser 0 0

INFL tser 1 1

ESLS tser 0 0 1.0E3

RFLX tser 0 0 1.0E5

EFLX tser 0 0 1.0E5

RZFX tser 0 0 1.0E5

TX_BSSImpervious.txt

"Texas Impervious Surfaces in the Barton Springs Segment of the Edwards Aquifer, Hays and Travis Counties, TX. Metfile: W13958.dvf (Austin, TX)"

*** Record 3:

0.69 0.36 0 25 1 1

*** Record 6 -- ERFLAG

4

*** Record 7:

0 1.34 1 10 4 6 354

*** Record 8

1

*** Record 9

1 0 0 0 1 98 98 98 0 0

*** Record 9a-d

1 24

0101 1601 0102 1602 0103 1603 0104 1604 0105 1605 0106 1606 0107 1607 0108 1608

.000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000

.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011

0109 1609 0110 1610 0111 1611 0112 1612

.000 .000 .000 .000 .000 .000 .000 .000

.011 .011 .011 .011 .011 .011 .011 .011

*** Record 10 -- NCPDS, the number of cropping periods

30

*** Record 11

010161 020161 311261 1

010162 020162 311262 1

010163 020163 311263 1

010164 020164 311264 1

010165 020165 311265 1

010166 020166 311266 1

010167 020167 311267 1

010168 020168 311268 1

010169 020169 311269 1

010170 020170 311270 1

010171 020171 311271 1

010172 020172 311272 1

010173 020173 311273 1

010174 020174 311274 1

010175 020175 311275 1

010176 020176 311276 1

010177 020177 311277 1

010178 020178 311278 1

010179 020179 311279 1

010180 020180 311280 1

010181 020181 311281 1

010182 020182 311282 1

010183 020183 311283 1

010184 020184 311284 1

010185 020185 311285 1

010186 020186 311286 1

010187 020187 311287 1

010188 020188 311288 1

010189 020189 311289 1

010190 020190 311290 1

*** Record 12 -- PTITLE

atrazine - 2 applications @ .02 kg/ha

*** Record 13

60 1 0 0

*** Record 15 -- PSTNAM

atrazine

*** Record 16

010461 0 8 1.0 0.02 0.99 0
010561 0 8 1.0 0.02 0.99 0
010462 0 8 1.0 0.02 0.99 0
010562 0 8 1.0 0.02 0.99 0
010463 0 8 1.0 0.02 0.99 0
010563 0 8 1.0 0.02 0.99 0
010464 0 8 1.0 0.02 0.99 0
010564 0 8 1.0 0.02 0.99 0
010465 0 8 1.0 0.02 0.99 0
010565 0 8 1.0 0.02 0.99 0
010466 0 8 1.0 0.02 0.99 0
010566 0 8 1.0 0.02 0.99 0
010467 0 8 1.0 0.02 0.99 0
010567 0 8 1.0 0.02 0.99 0
010468 0 8 1.0 0.02 0.99 0
010568 0 8 1.0 0.02 0.99 0
010469 0 8 1.0 0.02 0.99 0
010569 0 8 1.0 0.02 0.99 0
010470 0 8 1.0 0.02 0.99 0
010570 0 8 1.0 0.02 0.99 0
010471 0 8 1.0 0.02 0.99 0
010571 0 8 1.0 0.02 0.99 0
010472 0 8 1.0 0.02 0.99 0
010572 0 8 1.0 0.02 0.99 0
010473 0 8 1.0 0.02 0.99 0
010573 0 8 1.0 0.02 0.99 0
010474 0 8 1.0 0.02 0.99 0
010574 0 8 1.0 0.02 0.99 0
010475 0 8 1.0 0.02 0.99 0
010575 0 8 1.0 0.02 0.99 0
010476 0 8 1.0 0.02 0.99 0
010576 0 8 1.0 0.02 0.99 0
010477 0 8 1.0 0.02 0.99 0
010577 0 8 1.0 0.02 0.99 0
010478 0 8 1.0 0.02 0.99 0
010578 0 8 1.0 0.02 0.99 0
010479 0 8 1.0 0.02 0.99 0
010579 0 8 1.0 0.02 0.99 0
010480 0 8 1.0 0.02 0.99 0
010580 0 8 1.0 0.02 0.99 0
010481 0 8 1.0 0.02 0.99 0
010581 0 8 1.0 0.02 0.99 0
010482 0 8 1.0 0.02 0.99 0
010582 0 8 1.0 0.02 0.99 0
010483 0 8 1.0 0.02 0.99 0
010583 0 8 1.0 0.02 0.99 0
010484 0 8 1.0 0.02 0.99 0
010584 0 8 1.0 0.02 0.99 0
010485 0 8 1.0 0.02 0.99 0
010585 0 8 1.0 0.02 0.99 0
010486 0 8 1.0 0.02 0.99 0

010586 0 8 1.0 0.02 0.99 0
010487 0 8 1.0 0.02 0.99 0
010587 0 8 1.0 0.02 0.99 0
010488 0 8 1.0 0.02 0.99 0
010588 0 8 1.0 0.02 0.99 0
010489 0 8 1.0 0.02 0.99 0
010589 0 8 1.0 0.02 0.99 0
010490 0 8 1.0 0.02 0.99 0
010590 0 8 1.0 0.02 0.99 0

*** Record 17

0 1 0

*** Record 19 -- STITLE

"Brackett-Rock outcrop-Comfort complex, 1 to 12 percent slopes (MapUnit), Brackett (Component), Hydrologic Group C"

*** Record 20

46 0 0 1 0 0 0 0 0 0

*** Record 26

0 0 0

*** Record 30

2 33

*** Record 33

3

1 10 1.9 0.28 0 0 0

0 0 0

0.1 0.28 0.28 1.16 0

2 5 1.4 0.28 0 0 0

0 0 0

5 0.28 0.164 0.73 0

3 31 1.43 0.252 0 0 0

0 0 0

1 0.252 0.145 0 0

***Record 40

0

YEAR 10 YEAR 10 YEAR 10 1

1

1 ----

7 YEAR

PRCP tser 0 0

RUNF tser 0 0

INFL tser 1 1

ESLS tser 0 0 1.0E3

RFLX tser 0 0 1.0E5

EFLX tser 0 0 1.0E5

RZFX tser 0 0 1.0E5

TX_BSSImpervious.txt

"Texas Impervious Surfaces in the Barton Springs Segment of the Edwards Aquifer, Hays and Travis Counties, TX. Metfile: W13958.dvf (Austin, TX)"

*** Record 3:

0.69 0.36 0 25 1 1

*** Record 6 -- ERFLAG

4

*** Record 7:

0 1.34 1 10 4 6 354

*** Record 8

1

*** Record 9

1 0 0 0 1 98 98 98 0 0

*** Record 9a-d

1 24

0101 1601 0102 1602 0103 1603 0104 1604 0105 1605 0106 1606 0107 1607 0108 1608

.000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000

.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011

0109 1609 0110 1610 0111 1611 0112 1612

.000 .000 .000 .000 .000 .000 .000 .000

.011 .011 .011 .011 .011 .011 .011 .011

*** Record 10 -- NCPDS, the number of cropping periods

30

*** Record 11

010161 020161 311261 1

010162 020162 311262 1

010163 020163 311263 1

010164 020164 311264 1

010165 020165 311265 1

010166 020166 311266 1

010167 020167 311267 1

010168 020168 311268 1

010169 020169 311269 1

010170 020170 311270 1

010171 020171 311271 1

010172 020172 311272 1

010173 020173 311273 1

010174 020174 311274 1

010175 020175 311275 1

010176 020176 311276 1

010177 020177 311277 1

010178 020178 311278 1

010179 020179 311279 1

010180 020180 311280 1

010181 020181 311281 1

010182 020182 311282 1

010183 020183 311283 1

010184 020184 311284 1

010185 020185 311285 1

010186 020186 311286 1

010187 020187 311287 1

010188 020188 311288 1

010189 020189 311289 1

010190 020190 311290 1

*** Record 12 -- PTITLE

atrazine - 2 applications @ .23 kg/ha

*** Record 13

60 1 0 0

*** Record 15 -- PSTNAM

atrazine

*** Record 16

010461 08 1.0 0.23 0.99 0
010561 08 1.0 0.23 0.99 0
010462 08 1.0 0.23 0.99 0
010562 08 1.0 0.23 0.99 0
010463 08 1.0 0.23 0.99 0
010563 08 1.0 0.23 0.99 0
010464 08 1.0 0.23 0.99 0
010564 08 1.0 0.23 0.99 0
010465 08 1.0 0.23 0.99 0
010565 08 1.0 0.23 0.99 0
010466 08 1.0 0.23 0.99 0
010566 08 1.0 0.23 0.99 0
010467 08 1.0 0.23 0.99 0
010567 08 1.0 0.23 0.99 0
010468 08 1.0 0.23 0.99 0
010568 08 1.0 0.23 0.99 0
010469 08 1.0 0.23 0.99 0
010569 08 1.0 0.23 0.99 0
010470 08 1.0 0.23 0.99 0
010570 08 1.0 0.23 0.99 0
010471 08 1.0 0.23 0.99 0
010571 08 1.0 0.23 0.99 0
010472 08 1.0 0.23 0.99 0
010572 08 1.0 0.23 0.99 0
010473 08 1.0 0.23 0.99 0
010573 08 1.0 0.23 0.99 0
010474 08 1.0 0.23 0.99 0
010574 08 1.0 0.23 0.99 0
010475 08 1.0 0.23 0.99 0
010575 08 1.0 0.23 0.99 0
010476 08 1.0 0.23 0.99 0
010576 08 1.0 0.23 0.99 0
010477 08 1.0 0.23 0.99 0
010577 08 1.0 0.23 0.99 0
010478 08 1.0 0.23 0.99 0
010578 08 1.0 0.23 0.99 0
010479 08 1.0 0.23 0.99 0
010579 08 1.0 0.23 0.99 0
010480 08 1.0 0.23 0.99 0
010580 08 1.0 0.23 0.99 0
010481 08 1.0 0.23 0.99 0
010581 08 1.0 0.23 0.99 0
010482 08 1.0 0.23 0.99 0
010582 08 1.0 0.23 0.99 0
010483 08 1.0 0.23 0.99 0
010583 08 1.0 0.23 0.99 0
010484 08 1.0 0.23 0.99 0
010584 08 1.0 0.23 0.99 0
010485 08 1.0 0.23 0.99 0
010585 08 1.0 0.23 0.99 0
010486 08 1.0 0.23 0.99 0

010586 0 8 1.0 0.23 0.99 0
010487 0 8 1.0 0.23 0.99 0
010587 0 8 1.0 0.23 0.99 0
010488 0 8 1.0 0.23 0.99 0
010588 0 8 1.0 0.23 0.99 0
010489 0 8 1.0 0.23 0.99 0
010589 0 8 1.0 0.23 0.99 0
010490 0 8 1.0 0.23 0.99 0
010590 0 8 1.0 0.23 0.99 0

*** Record 17

0 1 0

*** Record 19 -- STITLE

"Brackett-Rock outcrop-Comfort complex, 1 to 12 percent slopes (MapUnit), Brackett (Component), Hydrologic Group C"

*** Record 20

46 0 0 1 0 0 0 0 0 0

*** Record 26

0 0 0

*** Record 30

2 33

*** Record 33

3

1 10 1.9 0.28 0 0 0

0 0 0

0.1 0.28 0.28 1.16 0

2 5 1.4 0.28 0 0 0

0 0 0

5 0.28 0.164 0.73 0

3 31 1.43 0.252 0 0 0

0 0 0

1 0.252 0.145 0 0

***Record 40

0

YEAR 10 YEAR 10 YEAR 10 1

1

1 ----

7 YEAR

PRCP tser 0 0

RUNF tser 0 0

INFL tser 1 1

ESLS tser 0 0 1.0E3

RFLX tser 0 0 1.0E5

EFLX tser 0 0 1.0E5

RZFX tser 0 0 1.0E5

TX_BSSResidential.txt

"Texas Residential Areas in the Barton Springs Segment of the Edwards Aquifer, Hays and Travis Counties, TX. Metfile: W13958.dvf (Austin, TX)"

*** Record 3:

0.69 0.36 0 25 1 2

*** Record 6 -- ERFLAG

4

*** Record 7:

0.37 1.34 1 10 4 6 354

*** Record 8

1

*** Record 9

1 0.15 15 100 2 83 83 83 0 7.6

*** Record 9a-d

1 24

1603 0104 1604 0105 1605 0106 1606 0107 1607 0108 1608 0109 1609 0110 1610 0111

.004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004

.110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110

1611 0112 1612 0101 1601 0102 1602 0103

.004 .004 .004 .004 .004 .004 .004 .004

.110 .110 .110 .110 .110 .110 .110 .110

*** Record 10 -- NCPDS, the number of cropping periods

30

*** Record 11

160361 310361 101161 1

160362 310362 101162 1

160363 310363 101163 1

160364 310364 101164 1

160365 310365 101165 1

160366 310366 101166 1

160367 310367 101167 1

160368 310368 101168 1

160369 310369 101169 1

160370 310370 101170 1

160371 310371 101171 1

160372 310372 101172 1

160373 310373 101173 1

160374 310374 101174 1

160375 310375 101175 1

160376 310376 101176 1

160377 310377 101177 1

160378 310378 101178 1

160379 310379 101179 1

160380 310380 101180 1

160381 310381 101181 1

160382 310382 101182 1

160383 310383 101183 1

160384 310384 101184 1

160385 310385 101185 1

160386 310386 101186 1

160387 310387 101187 1

160388 310388 101188 1

160389 310389 101189 1

160390 310390 101190 1

*** Record 12 -- PTITLE

atrazine - 2 applications @ 1.12 kg/ha

*** Record 13

60 1 0 0

*** Record 15 -- PSTNAM

atrazine

*** Record 16

010461 0 2 0.0 1.12 0.990.006
010561 0 2 0.0 1.12 0.990.006
010462 0 2 0.0 1.12 0.990.006
010562 0 2 0.0 1.12 0.990.006
010463 0 2 0.0 1.12 0.990.006
010563 0 2 0.0 1.12 0.990.006
010464 0 2 0.0 1.12 0.990.006
010564 0 2 0.0 1.12 0.990.006
010465 0 2 0.0 1.12 0.990.006
010565 0 2 0.0 1.12 0.990.006
010466 0 2 0.0 1.12 0.990.006
010566 0 2 0.0 1.12 0.990.006
010467 0 2 0.0 1.12 0.990.006
010567 0 2 0.0 1.12 0.990.006
010468 0 2 0.0 1.12 0.990.006
010568 0 2 0.0 1.12 0.990.006
010469 0 2 0.0 1.12 0.990.006
010569 0 2 0.0 1.12 0.990.006
010470 0 2 0.0 1.12 0.990.006
010570 0 2 0.0 1.12 0.990.006
010471 0 2 0.0 1.12 0.990.006
010571 0 2 0.0 1.12 0.990.006
010472 0 2 0.0 1.12 0.990.006
010572 0 2 0.0 1.12 0.990.006
010473 0 2 0.0 1.12 0.990.006
010573 0 2 0.0 1.12 0.990.006
010474 0 2 0.0 1.12 0.990.006
010574 0 2 0.0 1.12 0.990.006
010475 0 2 0.0 1.12 0.990.006
010575 0 2 0.0 1.12 0.990.006
010476 0 2 0.0 1.12 0.990.006
010576 0 2 0.0 1.12 0.990.006
010477 0 2 0.0 1.12 0.990.006
010577 0 2 0.0 1.12 0.990.006
010478 0 2 0.0 1.12 0.990.006
010578 0 2 0.0 1.12 0.990.006
010479 0 2 0.0 1.12 0.990.006
010579 0 2 0.0 1.12 0.990.006
010480 0 2 0.0 1.12 0.990.006
010580 0 2 0.0 1.12 0.990.006
010481 0 2 0.0 1.12 0.990.006
010581 0 2 0.0 1.12 0.990.006
010482 0 2 0.0 1.12 0.990.006
010582 0 2 0.0 1.12 0.990.006
010483 0 2 0.0 1.12 0.990.006
010583 0 2 0.0 1.12 0.990.006
010484 0 2 0.0 1.12 0.990.006
010584 0 2 0.0 1.12 0.990.006
010485 0 2 0.0 1.12 0.990.006
010585 0 2 0.0 1.12 0.990.006
010486 0 2 0.0 1.12 0.990.006

```

010586 0 2 0.0 1.12 0.990.006
010487 0 2 0.0 1.12 0.990.006
010587 0 2 0.0 1.12 0.990.006
010488 0 2 0.0 1.12 0.990.006
010588 0 2 0.0 1.12 0.990.006
010489 0 2 0.0 1.12 0.990.006
010589 0 2 0.0 1.12 0.990.006
010490 0 2 0.0 1.12 0.990.006
010590 0 2 0.0 1.12 0.990.006
*** Record 17
0 1 0
*** Record 18
0 0 0.5
*** Record 19 -- STITLE
"Brackett-Rock outcrop complex, 1 to 12 percent slopes (MapUnit), Brackett (Component), Hydrologic
Group C"
*** Record 20
48 0 0 1 0 0 1 0 0 0
*** Record 26
0 0 0
*** Record 27 -- irrigation
3 0.1 0.95 0.032
*** Record 30
4 87.78
*** Record 33
4
1 2 0.37 0.47 0 0 0
0.00456 0.00456 0
0.1 0.47 0.27 7.5 0
2 10 1.4 0.28 0 0 0
0.00456 0.00456 0
5 0.28 0.164 1.16 0
3 5 1.4 0.28 0 0 0
0.00456 0.00456 0
5 0.28 0.164 1.16 0
4 31 1.43 0.252 0 0 0
0.00456 0.00456 0
1 0.252 0.145 0.73 0
***Record 40
0
YEAR 10 YEAR 10 YEAR 10 1
1
1 ----
7 YEAR
PRCP tser 0 0
RUNF tser 0 0
INFL tser 1 1
ESLS tser 0 0 1.0E3
RFLX tser 0 0 1.0E5
EFLX tser 0 0 1.0E5
RZFX tser 0 0 1.0E5

```

TX_BSSImpervious.txt

"Texas Impervious Surfaces in the Barton Springs Segment of the Edwards Aquifer, Hays and Travis Counties, TX. Metfile: W13958.dvf (Austin, TX)"

*** Record 3:

0.69 0.36 0 25 1 1

*** Record 6 -- ERFLAG

4

*** Record 7:

0 1.34 1 10 4 6 354

*** Record 8

1

*** Record 9

1 0 0 0 1 98 98 98 0 0

*** Record 9a-d

1 24

0101 1601 0102 1602 0103 1603 0104 1604 0105 1605 0106 1606 0107 1607 0108 1608

.000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000

.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011

0109 1609 0110 1610 0111 1611 0112 1612

.000 .000 .000 .000 .000 .000 .000 .000

.011 .011 .011 .011 .011 .011 .011 .011

*** Record 10 -- NCPDS, the number of cropping periods

30

*** Record 11

010161 020161 311261 1

010162 020162 311262 1

010163 020163 311263 1

010164 020164 311264 1

010165 020165 311265 1

010166 020166 311266 1

010167 020167 311267 1

010168 020168 311268 1

010169 020169 311269 1

010170 020170 311270 1

010171 020171 311271 1

010172 020172 311272 1

010173 020173 311273 1

010174 020174 311274 1

010175 020175 311275 1

010176 020176 311276 1

010177 020177 311277 1

010178 020178 311278 1

010179 020179 311279 1

010180 020180 311280 1

010181 020181 311281 1

010182 020182 311282 1

010183 020183 311283 1

010184 020184 311284 1

010185 020185 311285 1

010186 020186 311286 1

010187 020187 311287 1

010188 020188 311288 1

010189 020189 311289 1

010190 020190 311290 1

*** Record 12 -- PTITLE

atrazine - 2 applications @ 0 kg/ha

*** Record 13

60 1 0 0

*** Record 15 -- PSTNAM

atrazine

*** Record 16

010461 0 1 0.0 0 0.99 0.01
010561 0 1 0.0 0 0.99 0.01
010462 0 1 0.0 0 0.99 0.01
010562 0 1 0.0 0 0.99 0.01
010463 0 1 0.0 0 0.99 0.01
010563 0 1 0.0 0 0.99 0.01
010464 0 1 0.0 0 0.99 0.01
010564 0 1 0.0 0 0.99 0.01
010465 0 1 0.0 0 0.99 0.01
010565 0 1 0.0 0 0.99 0.01
010466 0 1 0.0 0 0.99 0.01
010566 0 1 0.0 0 0.99 0.01
010467 0 1 0.0 0 0.99 0.01
010567 0 1 0.0 0 0.99 0.01
010468 0 1 0.0 0 0.99 0.01
010568 0 1 0.0 0 0.99 0.01
010469 0 1 0.0 0 0.99 0.01
010569 0 1 0.0 0 0.99 0.01
010470 0 1 0.0 0 0.99 0.01
010570 0 1 0.0 0 0.99 0.01
010471 0 1 0.0 0 0.99 0.01
010571 0 1 0.0 0 0.99 0.01
010472 0 1 0.0 0 0.99 0.01
010572 0 1 0.0 0 0.99 0.01
010473 0 1 0.0 0 0.99 0.01
010573 0 1 0.0 0 0.99 0.01
010474 0 1 0.0 0 0.99 0.01
010574 0 1 0.0 0 0.99 0.01
010475 0 1 0.0 0 0.99 0.01
010575 0 1 0.0 0 0.99 0.01
010476 0 1 0.0 0 0.99 0.01
010576 0 1 0.0 0 0.99 0.01
010477 0 1 0.0 0 0.99 0.01
010577 0 1 0.0 0 0.99 0.01
010478 0 1 0.0 0 0.99 0.01
010578 0 1 0.0 0 0.99 0.01
010479 0 1 0.0 0 0.99 0.01
010579 0 1 0.0 0 0.99 0.01
010480 0 1 0.0 0 0.99 0.01
010580 0 1 0.0 0 0.99 0.01
010481 0 1 0.0 0 0.99 0.01
010581 0 1 0.0 0 0.99 0.01
010482 0 1 0.0 0 0.99 0.01
010582 0 1 0.0 0 0.99 0.01
010483 0 1 0.0 0 0.99 0.01
010583 0 1 0.0 0 0.99 0.01
010484 0 1 0.0 0 0.99 0.01
010584 0 1 0.0 0 0.99 0.01
010485 0 1 0.0 0 0.99 0.01
010585 0 1 0.0 0 0.99 0.01
010486 0 1 0.0 0 0.99 0.01

010586 0 1 0.0 0 0.99 0.01
010487 0 1 0.0 0 0.99 0.01
010587 0 1 0.0 0 0.99 0.01
010488 0 1 0.0 0 0.99 0.01
010588 0 1 0.0 0 0.99 0.01
010489 0 1 0.0 0 0.99 0.01
010589 0 1 0.0 0 0.99 0.01
010490 0 1 0.0 0 0.99 0.01
010590 0 1 0.0 0 0.99 0.01

*** Record 17

0 1 0

*** Record 19 -- STITLE

"Brackett-Rock outcrop-Comfort complex, 1 to 12 percent slopes (MapUnit), Brackett (Component),
Hydrologic Group C"

*** Record 20

46 0 0 1 0 0 0 0 0 0

*** Record 26

0 0 0

*** Record 30

2 33

*** Record 33

3

1 10 1.9 0.28 0 0 0

0 0 0

0.1 0.28 0.28 1.16 0

2 5 1.4 0.28 0 0 0

0 0 0

5 0.28 0.164 0.73 0

3 31 1.43 0.252 0 0 0

0 0 0

1 0.252 0.145 0 0

***Record 40

0

YEAR 10 YEAR 10 YEAR 10 1

1

1 ----

7 YEAR

PRCP tser 0 0

RUNF tser 0 0

INFL tser 1 1

ESLS tser 0 0 1.0E3

RFLX tser 0 0 1.0E5

EFLX tser 0 0 1.0E5

RZFX tser 0 0 1.0E5

TX_BSSImpervious.txt

"Texas Impervious Surfaces in the Barton Springs Segment of the Edwards Aquifer, Hays and Travis Counties, TX. Metfile: W13958.dvf (Austin, TX)"

*** Record 3:

0.69 0.36 0 25 1 1

*** Record 6 -- ERFLAG

4

*** Record 7:

0 1.34 1 10 4 6 354

*** Record 8

1

*** Record 9

1 0 0 0 1 98 98 98 0 0

*** Record 9a-d

1 24

0101 1601 0102 1602 0103 1603 0104 1604 0105 1605 0106 1606 0107 1607 0108 1608

.000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000

.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011

0109 1609 0110 1610 0111 1611 0112 1612

.000 .000 .000 .000 .000 .000 .000 .000

.011 .011 .011 .011 .011 .011 .011 .011

*** Record 10 -- NCPDS, the number of cropping periods

30

*** Record 11

010161 020161 311261 1

010162 020162 311262 1

010163 020163 311263 1

010164 020164 311264 1

010165 020165 311265 1

010166 020166 311266 1

010167 020167 311267 1

010168 020168 311268 1

010169 020169 311269 1

010170 020170 311270 1

010171 020171 311271 1

010172 020172 311272 1

010173 020173 311273 1

010174 020174 311274 1

010175 020175 311275 1

010176 020176 311276 1

010177 020177 311277 1

010178 020178 311278 1

010179 020179 311279 1

010180 020180 311280 1

010181 020181 311281 1

010182 020182 311282 1

010183 020183 311283 1

010184 020184 311284 1

010185 020185 311285 1

010186 020186 311286 1

010187 020187 311287 1

010188 020188 311288 1

010189 020189 311289 1

010190 020190 311290 1

*** Record 12 -- PTITLE

atrazine - 2 applications @ .012 kg/ha

*** Record 13

60 1 0 0

*** Record 15 -- PSTNAM

atrazine

*** Record 16

010461 0 1 0.0 0.012 0.99 0.01
010561 0 1 0.0 0.012 0.99 0.01
010462 0 1 0.0 0.012 0.99 0.01
010562 0 1 0.0 0.012 0.99 0.01
010463 0 1 0.0 0.012 0.99 0.01
010563 0 1 0.0 0.012 0.99 0.01
010464 0 1 0.0 0.012 0.99 0.01
010564 0 1 0.0 0.012 0.99 0.01
010465 0 1 0.0 0.012 0.99 0.01
010565 0 1 0.0 0.012 0.99 0.01
010466 0 1 0.0 0.012 0.99 0.01
010566 0 1 0.0 0.012 0.99 0.01
010467 0 1 0.0 0.012 0.99 0.01
010567 0 1 0.0 0.012 0.99 0.01
010468 0 1 0.0 0.012 0.99 0.01
010568 0 1 0.0 0.012 0.99 0.01
010469 0 1 0.0 0.012 0.99 0.01
010569 0 1 0.0 0.012 0.99 0.01
010470 0 1 0.0 0.012 0.99 0.01
010570 0 1 0.0 0.012 0.99 0.01
010471 0 1 0.0 0.012 0.99 0.01
010571 0 1 0.0 0.012 0.99 0.01
010472 0 1 0.0 0.012 0.99 0.01
010572 0 1 0.0 0.012 0.99 0.01
010473 0 1 0.0 0.012 0.99 0.01
010573 0 1 0.0 0.012 0.99 0.01
010474 0 1 0.0 0.012 0.99 0.01
010574 0 1 0.0 0.012 0.99 0.01
010475 0 1 0.0 0.012 0.99 0.01
010575 0 1 0.0 0.012 0.99 0.01
010476 0 1 0.0 0.012 0.99 0.01
010576 0 1 0.0 0.012 0.99 0.01
010477 0 1 0.0 0.012 0.99 0.01
010577 0 1 0.0 0.012 0.99 0.01
010478 0 1 0.0 0.012 0.99 0.01
010578 0 1 0.0 0.012 0.99 0.01
010479 0 1 0.0 0.012 0.99 0.01
010579 0 1 0.0 0.012 0.99 0.01
010480 0 1 0.0 0.012 0.99 0.01
010580 0 1 0.0 0.012 0.99 0.01
010481 0 1 0.0 0.012 0.99 0.01
010581 0 1 0.0 0.012 0.99 0.01
010482 0 1 0.0 0.012 0.99 0.01
010582 0 1 0.0 0.012 0.99 0.01
010483 0 1 0.0 0.012 0.99 0.01
010583 0 1 0.0 0.012 0.99 0.01
010484 0 1 0.0 0.012 0.99 0.01
010584 0 1 0.0 0.012 0.99 0.01
010485 0 1 0.0 0.012 0.99 0.01
010585 0 1 0.0 0.012 0.99 0.01
010486 0 1 0.0 0.012 0.99 0.01

010586 0 1 0.0 0.012 0.99 0.01
010487 0 1 0.0 0.012 0.99 0.01
010587 0 1 0.0 0.012 0.99 0.01
010488 0 1 0.0 0.012 0.99 0.01
010588 0 1 0.0 0.012 0.99 0.01
010489 0 1 0.0 0.012 0.99 0.01
010589 0 1 0.0 0.012 0.99 0.01
010490 0 1 0.0 0.012 0.99 0.01
010590 0 1 0.0 0.012 0.99 0.01

*** Record 17

0 1 0

*** Record 19 -- STITLE

"Brackett-Rock outcrop-Comfort complex, 1 to 12 percent slopes (MapUnit), Brackett (Component),
Hydrologic Group C"

*** Record 20

46 0 0 1 0 0 0 0 0 0

*** Record 26

0 0 0

*** Record 30

2 33

*** Record 33

3

1 10 1.9 0.28 0 0 0

0 0 0

0.1 0.28 0.28 1.16 0

2 5 1.4 0.28 0 0 0

0 0 0

5 0.28 0.164 0.73 0

3 31 1.43 0.252 0 0 0

0 0 0

1 0.252 0.145 0 0

***Record 40

0

YEAR 10 YEAR 10 YEAR 10 1

1

1 ----

7 YEAR

PRCP tser 0 0

RUNF tser 0 0

INFL tser 1 1

ESLS tser 0 0 1.0E3

RFLX tser 0 0 1.0E5

EFLX tser 0 0 1.0E5

RZFX tser 0 0 1.0E5

TX_BSSImpervious.txt

"Texas Impervious Surfaces in the Barton Springs Segment of the Edwards Aquifer, Hays and Travis Counties, TX. Metfile: W13958.dvf (Austin, TX)"

*** Record 3:

0.69 0.36 0 25 1 1

*** Record 6 -- ERFLAG

4

*** Record 7:

0 1.34 1 10 4 6 354

*** Record 8

1

*** Record 9

1 0 0 0 1 98 98 98 0 0

*** Record 9a-d

1 24

0101 1601 0102 1602 0103 1603 0104 1604 0105 1605 0106 1606 0107 1607 0108 1608

.000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000

.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011

0109 1609 0110 1610 0111 1611 0112 1612

.000 .000 .000 .000 .000 .000 .000 .000

.011 .011 .011 .011 .011 .011 .011 .011

*** Record 10 -- NCPDS, the number of cropping periods

30

*** Record 11

010161 020161 311261 1

010162 020162 311262 1

010163 020163 311263 1

010164 020164 311264 1

010165 020165 311265 1

010166 020166 311266 1

010167 020167 311267 1

010168 020168 311268 1

010169 020169 311269 1

010170 020170 311270 1

010171 020171 311271 1

010172 020172 311272 1

010173 020173 311273 1

010174 020174 311274 1

010175 020175 311275 1

010176 020176 311276 1

010177 020177 311277 1

010178 020178 311278 1

010179 020179 311279 1

010180 020180 311280 1

010181 020181 311281 1

010182 020182 311282 1

010183 020183 311283 1

010184 020184 311284 1

010185 020185 311285 1

010186 020186 311286 1

010187 020187 311287 1

010188 020188 311288 1

010189 020189 311289 1

010190 020190 311290 1

*** Record 12 -- PTITLE

atrazine - 2 applications @ .12 kg/ha

*** Record 13

60 1 0 0

*** Record 15 -- PSTNAM

atrazine

*** Record 16

010461 0 1 0.0 0.12 0.99 0.01
010561 0 1 0.0 0.12 0.99 0.01
010462 0 1 0.0 0.12 0.99 0.01
010562 0 1 0.0 0.12 0.99 0.01
010463 0 1 0.0 0.12 0.99 0.01
010563 0 1 0.0 0.12 0.99 0.01
010464 0 1 0.0 0.12 0.99 0.01
010564 0 1 0.0 0.12 0.99 0.01
010465 0 1 0.0 0.12 0.99 0.01
010565 0 1 0.0 0.12 0.99 0.01
010466 0 1 0.0 0.12 0.99 0.01
010566 0 1 0.0 0.12 0.99 0.01
010467 0 1 0.0 0.12 0.99 0.01
010567 0 1 0.0 0.12 0.99 0.01
010468 0 1 0.0 0.12 0.99 0.01
010568 0 1 0.0 0.12 0.99 0.01
010469 0 1 0.0 0.12 0.99 0.01
010569 0 1 0.0 0.12 0.99 0.01
010470 0 1 0.0 0.12 0.99 0.01
010570 0 1 0.0 0.12 0.99 0.01
010471 0 1 0.0 0.12 0.99 0.01
010571 0 1 0.0 0.12 0.99 0.01
010472 0 1 0.0 0.12 0.99 0.01
010572 0 1 0.0 0.12 0.99 0.01
010473 0 1 0.0 0.12 0.99 0.01
010573 0 1 0.0 0.12 0.99 0.01
010474 0 1 0.0 0.12 0.99 0.01
010574 0 1 0.0 0.12 0.99 0.01
010475 0 1 0.0 0.12 0.99 0.01
010575 0 1 0.0 0.12 0.99 0.01
010476 0 1 0.0 0.12 0.99 0.01
010576 0 1 0.0 0.12 0.99 0.01
010477 0 1 0.0 0.12 0.99 0.01
010577 0 1 0.0 0.12 0.99 0.01
010478 0 1 0.0 0.12 0.99 0.01
010578 0 1 0.0 0.12 0.99 0.01
010479 0 1 0.0 0.12 0.99 0.01
010579 0 1 0.0 0.12 0.99 0.01
010480 0 1 0.0 0.12 0.99 0.01
010580 0 1 0.0 0.12 0.99 0.01
010481 0 1 0.0 0.12 0.99 0.01
010581 0 1 0.0 0.12 0.99 0.01
010482 0 1 0.0 0.12 0.99 0.01
010582 0 1 0.0 0.12 0.99 0.01
010483 0 1 0.0 0.12 0.99 0.01
010583 0 1 0.0 0.12 0.99 0.01
010484 0 1 0.0 0.12 0.99 0.01
010584 0 1 0.0 0.12 0.99 0.01
010485 0 1 0.0 0.12 0.99 0.01
010585 0 1 0.0 0.12 0.99 0.01
010486 0 1 0.0 0.12 0.99 0.01

010586 0 1 0.0 0.12 0.99 0.01
010487 0 1 0.0 0.12 0.99 0.01
010587 0 1 0.0 0.12 0.99 0.01
010488 0 1 0.0 0.12 0.99 0.01
010588 0 1 0.0 0.12 0.99 0.01
010489 0 1 0.0 0.12 0.99 0.01
010589 0 1 0.0 0.12 0.99 0.01
010490 0 1 0.0 0.12 0.99 0.01
010590 0 1 0.0 0.12 0.99 0.01

*** Record 17

0 1 0

*** Record 19 -- STITLE

"Brackett-Rock outcrop-Comfort complex, 1 to 12 percent slopes (MapUnit), Brackett (Component),
Hydrologic Group C"

*** Record 20

46 0 0 1 0 0 0 0 0 0

*** Record 26

0 0 0

*** Record 30

2 33

*** Record 33

3

1 10 1.9 0.28 0 0 0

0 0 0

0.1 0.28 0.28 1.16 0

2 5 1.4 0.28 0 0 0

0 0 0

5 0.28 0.164 0.73 0

3 31 1.43 0.252 0 0 0

0 0 0

1 0.252 0.145 0 0

***Record 40

0

YEAR 10 YEAR 10 YEAR 10 1

1

1 ----

7 YEAR

PRCP tser 0 0

RUNF tser 0 0

INFL tser 1 1

ESLS tser 0 0 1.0E3

RFLX tser 0 0 1.0E5

EFLX tser 0 0 1.0E5

RZFX tser 0 0 1.0E5

MS Corn; 8/13/2001

"Southern MS Valley Uplands; MLRA 134; Metfile: W13893.dvf (old: Met134.met),"

*** Record 3:

0.75 0.25 0 25 1 1

*** Record 6 -- ERFLAG

4

*** Record 7:

0.43 0.221 1 10 4 6 354

*** Record 8

1

*** Record 9

1 25 90 100 3 91 87 88 0 300

*** Record 9a-d

1 28

0101 1601 0102 1602 0103 1603 0104 1004 1504 1604 0105 1605 0106 1006 1606 0107

.567 .607 .642 .674 .708 .744 .800 .832 .848 .828 .773 .542 .354 .267 .195 .165

.014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014

1607 0108 1608 0109 1609 0110 1510 1610 0111 1611 0112 1612

.168 .169 .169 .200 .273 .294 .024 .027 .095 .133 .173 .211

.014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014

*** Record 10 -- NCPDS, the number of cropping periods

30

*** Record 11

110461 220861 020961 1

110462 220862 020962 1

110463 220863 020963 1

110464 220864 020964 1

110465 220865 020965 1

110466 220866 020966 1

110467 220867 020967 1

110468 220868 020968 1

110469 220869 020969 1

110470 220870 020970 1

110471 220871 020971 1

110472 220872 020972 1

110473 220873 020973 1

110474 220874 020974 1

110475 220875 020975 1

110476 220876 020976 1

110477 220877 020977 1

110478 220878 020978 1

110479 220879 020979 1

110480 220880 020980 1

110481 220881 020981 1

110482 220882 020982 1

110483 220883 020983 1

110484 220884 020984 1

110485 220885 020985 1

110486 220886 020986 1

110487 220887 020987 1

110488 220888 020988 1

110489 220889 020989 1

110490 220890 020990 1

*** Record 12 -- PTITLE

atrazine - 1 applications @ 2.24 kg/ha

*** Record 13

30 1 0 0
*** Record 15 -- PSTNAM
atrazine

*** Record 16
010461 0 1 0.0 2.24 0.950.065
010462 0 1 0.0 2.24 0.950.065
010463 0 1 0.0 2.24 0.950.065
010464 0 1 0.0 2.24 0.950.065
010465 0 1 0.0 2.24 0.950.065
010466 0 1 0.0 2.24 0.950.065
010467 0 1 0.0 2.24 0.950.065
010468 0 1 0.0 2.24 0.950.065
010469 0 1 0.0 2.24 0.950.065
010470 0 1 0.0 2.24 0.950.065
010471 0 1 0.0 2.24 0.950.065
010472 0 1 0.0 2.24 0.950.065
010473 0 1 0.0 2.24 0.950.065
010474 0 1 0.0 2.24 0.950.065
010475 0 1 0.0 2.24 0.950.065
010476 0 1 0.0 2.24 0.950.065
010477 0 1 0.0 2.24 0.950.065
010478 0 1 0.0 2.24 0.950.065
010479 0 1 0.0 2.24 0.950.065
010480 0 1 0.0 2.24 0.950.065
010481 0 1 0.0 2.24 0.950.065
010482 0 1 0.0 2.24 0.950.065
010483 0 1 0.0 2.24 0.950.065
010484 0 1 0.0 2.24 0.950.065
010485 0 1 0.0 2.24 0.950.065
010486 0 1 0.0 2.24 0.950.065
010487 0 1 0.0 2.24 0.950.065
010488 0 1 0.0 2.24 0.950.065
010489 0 1 0.0 2.24 0.950.065
010490 0 1 0.0 2.24 0.950.065

*** Record 17
0 1 0

*** Record 19 -- STITLE
Grenada Silt Loam; HYDG: C

*** Record 20
100 0 0 1 0 0 0 0 0 0

*** Record 26
0 0 0

*** Record 30
4 87.78

*** Record 33
4
1 10 1.7 0.309 0 0 0
0.00456 0.00456 0
0.1 0.309 0.109 1.16 0
2 44 1.7 0.309 0 0 0
0.00456 0.00456 0
2 0.309 0.109 1.16 0
3 8 1.8 0.304 0 0 0
0.00456 0.00456 0
2 0.304 0.104 0.174 0
4 38 1.8 0.216 0 0 0

```
0.00456 0.00456 0
2 0.216 0.116 0.116 0
***Record 40
0
YEAR 10 YEAR 10 YEAR 10 1
1
1 ----
7 YEAR
PRCP tser 0 0
RUNF tser 0 0
INFL tser 1 1
ESLS tser 0 0 1.0E3
RFLX tser 0 0 1.0E5
EFLX tser 0 0 1.0E5
RZFX tser 0 0 1.0E5
```


TX_BSSMeadow.txt

"Texas Meadow in the Barton Springs Segment of the Edwards Aquifer, Hays and Travis Counties, TX.
Metfile: W13958.dvf (Austin, TX)"

*** Record 3:

0.69 0.36 0 25 1 3

*** Record 6 -- ERFLAG

4

*** Record 7:

0.37 0.69 1 10 4 4 354

*** Record 8

1

*** Record 9

1 0.25 41 100 3 84 79 82 0 152

*** Record 9a-d

1 24

0103 1503 1603 0104 1604 0105 1605 0106 1506 1606 0107 1607 0108 1608 0109 1609

.004 .004 .003 .001 .000 .001 .001 .000 .001 .001 .000 .000 .001 .000 .000 .001

.110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110

0110 1610 0111 1611 0112 1612 0101 1601 0102 1602

.002 .002 .002 .003 .003 .003 .003 .003 .004 .004

.110 .110 .110 .110 .110 .110 .110 .110 .110 .110

*** Record 10 -- NCPDS, the number of cropping periods

30

*** Record 11

010361 010461 010961 1

010362 010462 010962 1

010363 010463 010963 1

010364 010464 010964 1

010365 010465 010965 1

010366 010466 010966 1

010367 010467 010967 1

010368 010468 010968 1

010369 010469 010969 1

010370 010470 010970 1

010371 010471 010971 1

010372 010472 010972 1

010373 010473 010973 1

010374 010474 010974 1

010375 010475 010975 1

010376 010476 010976 1

010377 010477 010977 1

010378 010478 010978 1

010379 010479 010979 1

010380 010480 010980 1

010381 010481 010981 1

010382 010482 010982 1

010383 010483 010983 1

010384 010484 010984 1

010385 010485 010985 1

010386 010486 010986 1

010387 010487 010987 1

010388 010488 010988 1

010389 010489 010989 1

010390 010490 010990 1

*** Record 12 -- PTITLE

atrazine - 1 applications @ 2.52 kg/ha

*** Record 13

30 1 0 0

*** Record 15 -- PSTNAM

atrazine

*** Record 16

151161 0 1 0.0 2.52 0.950.065
151162 0 1 0.0 2.52 0.950.065
151163 0 1 0.0 2.52 0.950.065
151164 0 1 0.0 2.52 0.950.065
151165 0 1 0.0 2.52 0.950.065
151166 0 1 0.0 2.52 0.950.065
151167 0 1 0.0 2.52 0.950.065
151168 0 1 0.0 2.52 0.950.065
151169 0 1 0.0 2.52 0.950.065
151170 0 1 0.0 2.52 0.950.065
151171 0 1 0.0 2.52 0.950.065
151172 0 1 0.0 2.52 0.950.065
151173 0 1 0.0 2.52 0.950.065
151174 0 1 0.0 2.52 0.950.065
151175 0 1 0.0 2.52 0.950.065
151176 0 1 0.0 2.52 0.950.065
151177 0 1 0.0 2.52 0.950.065
151178 0 1 0.0 2.52 0.950.065
151179 0 1 0.0 2.52 0.950.065
151180 0 1 0.0 2.52 0.950.065
151181 0 1 0.0 2.52 0.950.065
151182 0 1 0.0 2.52 0.950.065
151183 0 1 0.0 2.52 0.950.065
151184 0 1 0.0 2.52 0.950.065
151185 0 1 0.0 2.52 0.950.065
151186 0 1 0.0 2.52 0.950.065
151187 0 1 0.0 2.52 0.950.065
151188 0 1 0.0 2.52 0.950.065
151189 0 1 0.0 2.52 0.950.065
151190 0 1 0.0 2.52 0.950.065

*** Record 17

0 1 0

*** Record 19 -- STITLE

"Brackett-Rock outcrop-Comfort complex, 1 to 8 percent slopes (MapUnit), Brackett (Component), Hydrologic Group C"

*** Record 20

43 0 0 1 0 0 0 0 0 0

*** Record 26

0 0 0

*** Record 30

4 87.78

*** Record 33

3

1 10 1.4 0.28 0 0 0
0.00456 0.00456 0
0.1 0.28 0.164 1.16 0
2 5 1.4 0.28 0 0 0
0.00456 0.00456 0
5 0.28 0.164 1.16 0
3 28 1.4 0.251 0 0 0
0.00456 0.00456 0

```
4 0.251 0.142 0.73 0
***Record 40
0
  YEAR 10      YEAR 10      YEAR 10 1
1
1 ----
7 YEAR
PRCP tser 0 0
RUNF tser 0 0
INFL tser 1 1
ESLS tser 0 0 1.0E3
RFLX tser 0 0 1.0E5
EFLX tser 0 0 1.0E5
RZFX tser 0 0 1.0E5
```

TX_BSSRightOfWay.txt

"Texas Right-Of-Way in the Barton Springs Segment of the Edwards Aquifer, Hays and Travis Counties, TX. Metfile: W13958.dvf (Austin, TX)"

*** Record 3:

0.69 0.36 0 25 1 3

*** Record 6 -- ERFLAG

4

*** Record 7:

0.37 3.63 1 10 4 12 354

*** Record 8

1

*** Record 9

1 0.2 43 97 3 92 92 92 0 122

*** Record 9a-d

1 24

0103 1603 0104 1604 0105 1605 0106 1606 0107 1607 0108 1608 0109 1609 0110 1610

.004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004

.110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110

0111 1611 0112 1612 0101 1601 0102 1602

.004 .004 .004 .004 .004 .004 .004 .004

.110 .110 .110 .110 .110 .110 .110 .110

*** Record 10 -- NCPDS, the number of cropping periods

30

*** Record 11

010361 150661 151161 1

010362 150662 151162 1

010363 150663 151163 1

010364 150664 151164 1

010365 150665 151165 1

010366 150666 151166 1

010367 150667 151167 1

010368 150668 151168 1

010369 150669 151169 1

010370 150670 151170 1

010371 150671 151171 1

010372 150672 151172 1

010373 150673 151173 1

010374 150674 151174 1

010375 150675 151175 1

010376 150676 151176 1

010377 150677 151177 1

010378 150678 151178 1

010379 150679 151179 1

010380 150680 151180 1

010381 150681 151181 1

010382 150682 151182 1

010383 150683 151183 1

010384 150684 151184 1

010385 150685 151185 1

010386 150686 151186 1

010387 150687 151187 1

010388 150688 151188 1

010389 150689 151189 1

010390 150690 151190 1

*** Record 12 -- PTITLE

atrazine - 1 applications @ 1.12 kg/ha

*** Record 13

30 1 0 0

*** Record 15 -- PSTNAM

atrazine

*** Record 16

010661 0 1 0.0 1.12 0.990.006
010662 0 1 0.0 1.12 0.990.006
010663 0 1 0.0 1.12 0.990.006
010664 0 1 0.0 1.12 0.990.006
010665 0 1 0.0 1.12 0.990.006
010666 0 1 0.0 1.12 0.990.006
010667 0 1 0.0 1.12 0.990.006
010668 0 1 0.0 1.12 0.990.006
010669 0 1 0.0 1.12 0.990.006
010670 0 1 0.0 1.12 0.990.006
010671 0 1 0.0 1.12 0.990.006
010672 0 1 0.0 1.12 0.990.006
010673 0 1 0.0 1.12 0.990.006
010674 0 1 0.0 1.12 0.990.006
010675 0 1 0.0 1.12 0.990.006
010676 0 1 0.0 1.12 0.990.006
010677 0 1 0.0 1.12 0.990.006
010678 0 1 0.0 1.12 0.990.006
010679 0 1 0.0 1.12 0.990.006
010680 0 1 0.0 1.12 0.990.006
010681 0 1 0.0 1.12 0.990.006
010682 0 1 0.0 1.12 0.990.006
010683 0 1 0.0 1.12 0.990.006
010684 0 1 0.0 1.12 0.990.006
010685 0 1 0.0 1.12 0.990.006
010686 0 1 0.0 1.12 0.990.006
010687 0 1 0.0 1.12 0.990.006
010688 0 1 0.0 1.12 0.990.006
010689 0 1 0.0 1.12 0.990.006
010690 0 1 0.0 1.12 0.990.006

*** Record 17

0 1 0

*** Record 19 -- STITLE

"Brackett-Rock outcrop complex, 12 to 60 percent slopes (MapUnit), Brackett (Component), Hydrologic Group C"

*** Record 20

48 0 0 1 0 0 0 0 0 0

*** Record 26

0 0 0

*** Record 30

4 87.78

*** Record 33

2
1 10 1.4 0.28 0 0 0
0.00456 0.00456 0
0.1 0.28 0.164 1.16 0
2 38 1.43 0.252 0 0 0
0.00456 0.00456 0
2 0.252 0.145 0.73 0

*** Record 40

0

```
YEAR 10 YEAR 10 YEAR 10 1
1
1 ----
7 YEAR
PRCP tser 0 0
RUNF tser 0 0
INFL tser 1 1
ESLS tser 0 0 1.0E3
RFLX tser 0 0 1.0E5
EFLX tser 0 0 1.0E5
RZFX tser 0 0 1.0E5
```

KSSorghum; 10/09/02

"Osage County in MLRA 112; County nearest weather station Topeka (W13996) and still in MLRA 112 (East Central KS); Metfile: W13996.dvf, (old metfile: Met112.met)"

*** Record 3:

0.73 0.3 0 17 1 3

*** Record 6 -- ERFLAG

4

*** Record 7:

0.43 0.264 1 10 3 4 354

*** Record 8

1

*** Record 9

1 0.1 120 100 3 89 86 87 0 120

*** Record 9a-d

1 26

0101 1601 0102 1602 0103 1603 0104 1604 0105 0505 1605 2005 0106 1606 0107 1607

.161 .163 .165 .168 .174 .185 .199 .217 .231 .372 .425 .449 .448 .385 .224 .117

.023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023

0108 1608 0109 1609 0110 1610 0111 1611 0112 1612

.076 .076 .078 .186 .194 .171 .162 .171 .175 .178

.023 .023 .023 .023 .023 .023 .023 .023 .023 .023

*** Record 10 -- NCPDS, the number of cropping periods

30

*** Record 11

200561 200961 011061 1

200562 200962 011062 1

200563 200963 011063 1

200564 200964 011064 1

200565 200965 011065 1

200566 200966 011066 1

200567 200967 011067 1

200568 200968 011068 1

200569 200969 011069 1

200570 200970 011070 1

200571 200971 011071 1

200572 200972 011072 1

200573 200973 011073 1

200574 200974 011074 1

200575 200975 011075 1

200576 200976 011076 1

200577 200977 011077 1

200578 200978 011078 1

200579 200979 011079 1

200580 200980 011080 1

200581 200981 011081 1

200582 200982 011082 1

200583 200983 011083 1

200584 200984 011084 1

200585 200985 011085 1

200586 200986 011086 1

200587 200987 011087 1

200588 200988 011088 1

200589 200989 011089 1

200590 200990 011090 1

*** Record 12 -- PTITLE

atrazine - 1 applications @ 2.24 kg/ha

*** Record 13

30 1 0 0

*** Record 15 -- PSTNAM

atrazine

*** Record 16

010561 0 1 0.0 2.24 0.950.065
010562 0 1 0.0 2.24 0.950.065
010563 0 1 0.0 2.24 0.950.065
010564 0 1 0.0 2.24 0.950.065
010565 0 1 0.0 2.24 0.950.065
010566 0 1 0.0 2.24 0.950.065
010567 0 1 0.0 2.24 0.950.065
010568 0 1 0.0 2.24 0.950.065
010569 0 1 0.0 2.24 0.950.065
010570 0 1 0.0 2.24 0.950.065
010571 0 1 0.0 2.24 0.950.065
010572 0 1 0.0 2.24 0.950.065
010573 0 1 0.0 2.24 0.950.065
010574 0 1 0.0 2.24 0.950.065
010575 0 1 0.0 2.24 0.950.065
010576 0 1 0.0 2.24 0.950.065
010577 0 1 0.0 2.24 0.950.065
010578 0 1 0.0 2.24 0.950.065
010579 0 1 0.0 2.24 0.950.065
010580 0 1 0.0 2.24 0.950.065
010581 0 1 0.0 2.24 0.950.065
010582 0 1 0.0 2.24 0.950.065
010583 0 1 0.0 2.24 0.950.065
010584 0 1 0.0 2.24 0.950.065
010585 0 1 0.0 2.24 0.950.065
010586 0 1 0.0 2.24 0.950.065
010587 0 1 0.0 2.24 0.950.065
010588 0 1 0.0 2.24 0.950.065
010589 0 1 0.0 2.24 0.950.065
010590 0 1 0.0 2.24 0.950.065

*** Record 17

0 1 0

*** Record 19 -- STITLE

"Dennis Silt Loam; Benchmark Soil, Hydrologic Group C"

*** Record 20

120 0 0 1 0 0 0 0 0 0

*** Record 26

0 0 0

*** Record 30

4 87.78

*** Record 33

4

1 10 1.55 0.247 0 0 0
0.00456 0.00456 0

0.1 0.247 0.097 1.74 0

2 24 1.55 0.247 0 0 0
0.00456 0.00456 0

2 0.247 0.097 1.74 0

3 10 1.6 0.316 0 0 0
0.00456 0.00456 0

5 0.316 0.166 0.174 0


```
4 76 1.6 0.348 0 0 0
0.00456 0.00456 0
2 0.348 0.198 0.116 0
***Record 40
0
YEAR 10 YEAR 10 YEAR 10 1
1
1 ----
7 YEAR
PRCP tser 0 0
RUNF tser 0 0
INFL tser 1 1
ESLS tser 0 0 1.0E3
RFLX tser 0 0 1.0E5
EFLX tser 0 0 1.0E5
RZFX tser 0 0 1.0E5
```

TX_BSSTurf.txt

"Texas Turf in the Barton Springs Segment of the Edwards Aquifer, Hays and Travis Counties, TX.

Metfile: W13958.dvf (Austin, TX)"

*** Record 3:

0.69 0.36 0 25 1 2

*** Record 6 -- ERFLAG

4

*** Record 7:

0.37 1.34 1 10 4 6 354

*** Record 8

1

*** Record 9

1 0.1 15 100 2 74 74 74 0 2.5

*** Record 9a-d

1 24

1603 0104 1604 0105 1605 0106 1606 0107 1607 0108 1608 0109 1609 0110 1610 0111

.004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004

.110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110

1611 0112 1612 0101 1601 0102 1602 0103

.004 .004 .004 .004 .004 .004 .004 .004

.110 .110 .110 .110 .110 .110 .110 .110

*** Record 10 -- NCPDS, the number of cropping periods

30

*** Record 11

160361 310361 101161 1

160362 310362 101162 1

160363 310363 101163 1

160364 310364 101164 1

160365 310365 101165 1

160366 310366 101166 1

160367 310367 101167 1

160368 310368 101168 1

160369 310369 101169 1

160370 310370 101170 1

160371 310371 101171 1

160372 310372 101172 1

160373 310373 101173 1

160374 310374 101174 1

160375 310375 101175 1

160376 310376 101176 1

160377 310377 101177 1

160378 310378 101178 1

160379 310379 101179 1

160380 310380 101180 1

160381 310381 101181 1

160382 310382 101182 1

160383 310383 101183 1

160384 310384 101184 1

160385 310385 101185 1

160386 310386 101186 1

160387 310387 101187 1

160388 310388 101188 1

160389 310389 101189 1

160390 310390 101190 1

*** Record 12 -- PTITLE

atrazine - 2 applications @ 2.24 kg/ha

*** Record 13

60 1 0 0

*** Record 15 -- PSTNAM

atrazine

*** Record 16

010461 0 8 1.0 2.24 0.99 0
010561 0 8 1.0 2.24 0.99 0
010462 0 8 1.0 2.24 0.99 0
010562 0 8 1.0 2.24 0.99 0
010463 0 8 1.0 2.24 0.99 0
010563 0 8 1.0 2.24 0.99 0
010464 0 8 1.0 2.24 0.99 0
010564 0 8 1.0 2.24 0.99 0
010465 0 8 1.0 2.24 0.99 0
010565 0 8 1.0 2.24 0.99 0
010466 0 8 1.0 2.24 0.99 0
010566 0 8 1.0 2.24 0.99 0
010467 0 8 1.0 2.24 0.99 0
010567 0 8 1.0 2.24 0.99 0
010468 0 8 1.0 2.24 0.99 0
010568 0 8 1.0 2.24 0.99 0
010469 0 8 1.0 2.24 0.99 0
010569 0 8 1.0 2.24 0.99 0
010470 0 8 1.0 2.24 0.99 0
010570 0 8 1.0 2.24 0.99 0
010471 0 8 1.0 2.24 0.99 0
010571 0 8 1.0 2.24 0.99 0
010472 0 8 1.0 2.24 0.99 0
010572 0 8 1.0 2.24 0.99 0
010473 0 8 1.0 2.24 0.99 0
010573 0 8 1.0 2.24 0.99 0
010474 0 8 1.0 2.24 0.99 0
010574 0 8 1.0 2.24 0.99 0
010475 0 8 1.0 2.24 0.99 0
010575 0 8 1.0 2.24 0.99 0
010476 0 8 1.0 2.24 0.99 0
010576 0 8 1.0 2.24 0.99 0
010477 0 8 1.0 2.24 0.99 0
010577 0 8 1.0 2.24 0.99 0
010478 0 8 1.0 2.24 0.99 0
010578 0 8 1.0 2.24 0.99 0
010479 0 8 1.0 2.24 0.99 0
010579 0 8 1.0 2.24 0.99 0
010480 0 8 1.0 2.24 0.99 0
010580 0 8 1.0 2.24 0.99 0
010481 0 8 1.0 2.24 0.99 0
010581 0 8 1.0 2.24 0.99 0
010482 0 8 1.0 2.24 0.99 0
010582 0 8 1.0 2.24 0.99 0
010483 0 8 1.0 2.24 0.99 0
010583 0 8 1.0 2.24 0.99 0
010484 0 8 1.0 2.24 0.99 0
010584 0 8 1.0 2.24 0.99 0
010485 0 8 1.0 2.24 0.99 0
010585 0 8 1.0 2.24 0.99 0
010486 0 8 1.0 2.24 0.99 0

010586 0 8 1.0 2.24 0.99 0
010487 0 8 1.0 2.24 0.99 0
010587 0 8 1.0 2.24 0.99 0
010488 0 8 1.0 2.24 0.99 0
010588 0 8 1.0 2.24 0.99 0
010489 0 8 1.0 2.24 0.99 0
010589 0 8 1.0 2.24 0.99 0
010490 0 8 1.0 2.24 0.99 0
010590 0 8 1.0 2.24 0.99 0

*** Record 17

0 1 0

*** Record 19 -- STITLE

"Brackett-Rock outcrop complex, 1 to 12 percent slopes (MapUnit), Brackett (Component), Hydrologic Group C"

*** Record 20

48 0 0 1 0 0 1 0 0 0

*** Record 26

0 0 0

*** Record 27 -- irrigation

3 0.1 0.95 0.053

*** Record 30

4 87.78

*** Record 33

4

1 2 0.37 0.47 0 0 0

0.00456 0.00456 0

0.1 0.47 0.27 7.5 0

2 10 1.4 0.28 0 0 0

0.00456 0.00456 0

5 0.28 0.164 1.16 0

3 5 1.4 0.28 0 0 0

0.00456 0.00456 0

5 0.28 0.164 1.16 0

4 31 1.43 0.252 0 0 0

0.00456 0.00456 0

1 0.252 0.145 0.73 0

***Record 40

0

YEAR 10 YEAR 10 YEAR 10 1

1

1 ----

7 YEAR

PRCP tser 0 0

RUNF tser 0 0

INFL tser 1 1

ESLS tser 0 0 1.0E3

RFLX tser 0 0 1.0E5

EFLX tser 0 0 1.0E5

RZFX tser 0 0 1.0E5

TX_BSSTurf.txt

"Texas Turf in the Barton Springs Segment of the Edwards Aquifer, Hays and Travis Counties, TX.

Metfile: W13958.dvf (Austin, TX)"

*** Record 3:

0.69 0.36 0 25 1 2

*** Record 6 -- ERFLAG

4

*** Record 7:

0.37 1.34 1 10 4 6 354

*** Record 8

1

*** Record 9

1 0.1 15 100 2 74 74 74 0 2.5

*** Record 9a-d

1 24

1603 0104 1604 0105 1605 0106 1606 0107 1607 0108 1608 0109 1609 0110 1610 0111

.004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004 .004

.110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110 .110

1611 0112 1612 0101 1601 0102 1602 0103

.004 .004 .004 .004 .004 .004 .004 .004

.110 .110 .110 .110 .110 .110 .110 .110

*** Record 10 -- NCPDS, the number of cropping periods

30

*** Record 11

160361 310361 101161 1

160362 310362 101162 1

160363 310363 101163 1

160364 310364 101164 1

160365 310365 101165 1

160366 310366 101166 1

160367 310367 101167 1

160368 310368 101168 1

160369 310369 101169 1

160370 310370 101170 1

160371 310371 101171 1

160372 310372 101172 1

160373 310373 101173 1

160374 310374 101174 1

160375 310375 101175 1

160376 310376 101176 1

160377 310377 101177 1

160378 310378 101178 1

160379 310379 101179 1

160380 310380 101180 1

160381 310381 101181 1

160382 310382 101182 1

160383 310383 101183 1

160384 310384 101184 1

160385 310385 101185 1

160386 310386 101186 1

160387 310387 101187 1

160388 310388 101188 1

160389 310389 101189 1

160390 310390 101190 1

*** Record 12 -- PTITLE

atrazine - 2 applications @ 1.12 kg/ha

*** Record 13

60 1 0 0

*** Record 15 -- PSTNAM

atrazine

*** Record 16

010461 0 2 0.0 1.12 0.990.006
010561 0 2 0.0 1.12 0.990.006
010462 0 2 0.0 1.12 0.990.006
010562 0 2 0.0 1.12 0.990.006
010463 0 2 0.0 1.12 0.990.006
010563 0 2 0.0 1.12 0.990.006
010464 0 2 0.0 1.12 0.990.006
010564 0 2 0.0 1.12 0.990.006
010465 0 2 0.0 1.12 0.990.006
010565 0 2 0.0 1.12 0.990.006
010466 0 2 0.0 1.12 0.990.006
010566 0 2 0.0 1.12 0.990.006
010467 0 2 0.0 1.12 0.990.006
010567 0 2 0.0 1.12 0.990.006
010468 0 2 0.0 1.12 0.990.006
010568 0 2 0.0 1.12 0.990.006
010469 0 2 0.0 1.12 0.990.006
010569 0 2 0.0 1.12 0.990.006
010470 0 2 0.0 1.12 0.990.006
010570 0 2 0.0 1.12 0.990.006
010471 0 2 0.0 1.12 0.990.006
010571 0 2 0.0 1.12 0.990.006
010472 0 2 0.0 1.12 0.990.006
010572 0 2 0.0 1.12 0.990.006
010473 0 2 0.0 1.12 0.990.006
010573 0 2 0.0 1.12 0.990.006
010474 0 2 0.0 1.12 0.990.006
010574 0 2 0.0 1.12 0.990.006
010475 0 2 0.0 1.12 0.990.006
010575 0 2 0.0 1.12 0.990.006
010476 0 2 0.0 1.12 0.990.006
010576 0 2 0.0 1.12 0.990.006
010477 0 2 0.0 1.12 0.990.006
010577 0 2 0.0 1.12 0.990.006
010478 0 2 0.0 1.12 0.990.006
010578 0 2 0.0 1.12 0.990.006
010479 0 2 0.0 1.12 0.990.006
010579 0 2 0.0 1.12 0.990.006
010480 0 2 0.0 1.12 0.990.006
010580 0 2 0.0 1.12 0.990.006
010481 0 2 0.0 1.12 0.990.006
010581 0 2 0.0 1.12 0.990.006
010482 0 2 0.0 1.12 0.990.006
010582 0 2 0.0 1.12 0.990.006
010483 0 2 0.0 1.12 0.990.006
010583 0 2 0.0 1.12 0.990.006
010484 0 2 0.0 1.12 0.990.006
010584 0 2 0.0 1.12 0.990.006
010485 0 2 0.0 1.12 0.990.006
010585 0 2 0.0 1.12 0.990.006
010486 0 2 0.0 1.12 0.990.006

```

010586 0 2 0.0 1.12 0.990.006
010487 0 2 0.0 1.12 0.990.006
010587 0 2 0.0 1.12 0.990.006
010488 0 2 0.0 1.12 0.990.006
010588 0 2 0.0 1.12 0.990.006
010489 0 2 0.0 1.12 0.990.006
010589 0 2 0.0 1.12 0.990.006
010490 0 2 0.0 1.12 0.990.006
010590 0 2 0.0 1.12 0.990.006
*** Record 17
0 1 0
*** Record 18
0 0 0.5
*** Record 19 -- STITLE
"Brackett-Rock outcrop complex, 1 to 12 percent slopes (MapUnit), Brackett (Component), Hydrologic
Group C"
*** Record 20
48 0 0 1 0 0 1 0 0 0
*** Record 26
0 0 0
*** Record 27 -- irrigation
3 0.1 0.95 0.053
*** Record 30
4 87.78
*** Record 33
4
1 2 0.37 0.47 0 0 0
0.00456 0.00456 0
0.1 0.47 0.27 7.5 0
2 10 1.4 0.28 0 0 0
0.00456 0.00456 0
5 0.28 0.164 1.16 0
3 5 1.4 0.28 0 0 0
0.00456 0.00456 0
5 0.28 0.164 1.16 0
4 31 1.43 0.252 0 0 0
0.00456 0.00456 0
1 0.252 0.145 0.73 0
***Record 40
0
YEAR 10 YEAR 10 YEAR 10 1
1
1 ----
7 YEAR
PRCP tser 0 0
RUNF tser 0 0
INFL tser 1 1
ESLS tser 0 0 1.0E3
RFLX tser 0 0 1.0E5
EFLX tser 0 0 1.0E5
RZFX tser 0 0 1.0E5

```