



# Effect Determination for Atrazine

**APPENDIX C: Stepwise Approach to Modeling in  
Chesapeake Bay Endangered Species Assessment Using the  
Residential Scenario as an Example**

Posted on September 1, 2006

## **APPENDIX C: Stepwise Approach to Modeling in Chesapeake Bay Endangered Species Assessment 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

NUM

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

Formula Bar: 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

## Chesapeake Bay 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  
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010565 0 8 1.0 2.24 0.99 0  
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010567 0 8 1.0 2.24 0.99 0  
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010570 0 8 1.0 2.24 0.99 0  
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010575 0 8 1.0 2.24 0.99 0  
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010577 0 8 1.0 2.24 0.99 0  
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010578 0 8 1.0 2.24 0.99 0  
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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

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	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 0 8 1.0 0.23 0.99 0  
010561 0 8 1.0 0.23 0.99 0  
010462 0 8 1.0 0.23 0.99 0  
010562 0 8 1.0 0.23 0.99 0  
010463 0 8 1.0 0.23 0.99 0  
010563 0 8 1.0 0.23 0.99 0  
010464 0 8 1.0 0.23 0.99 0  
010564 0 8 1.0 0.23 0.99 0  
010465 0 8 1.0 0.23 0.99 0  
010565 0 8 1.0 0.23 0.99 0  
010466 0 8 1.0 0.23 0.99 0  
010566 0 8 1.0 0.23 0.99 0  
010467 0 8 1.0 0.23 0.99 0  
010567 0 8 1.0 0.23 0.99 0  
010468 0 8 1.0 0.23 0.99 0  
010568 0 8 1.0 0.23 0.99 0  
010469 0 8 1.0 0.23 0.99 0  
010569 0 8 1.0 0.23 0.99 0  
010470 0 8 1.0 0.23 0.99 0  
010570 0 8 1.0 0.23 0.99 0  
010471 0 8 1.0 0.23 0.99 0  
010571 0 8 1.0 0.23 0.99 0  
010472 0 8 1.0 0.23 0.99 0  
010572 0 8 1.0 0.23 0.99 0  
010473 0 8 1.0 0.23 0.99 0  
010573 0 8 1.0 0.23 0.99 0  
010474 0 8 1.0 0.23 0.99 0  
010574 0 8 1.0 0.23 0.99 0  
010475 0 8 1.0 0.23 0.99 0  
010575 0 8 1.0 0.23 0.99 0  
010476 0 8 1.0 0.23 0.99 0  
010576 0 8 1.0 0.23 0.99 0  
010477 0 8 1.0 0.23 0.99 0  
010577 0 8 1.0 0.23 0.99 0  
010478 0 8 1.0 0.23 0.99 0  
010578 0 8 1.0 0.23 0.99 0  
010479 0 8 1.0 0.23 0.99 0  
010579 0 8 1.0 0.23 0.99 0  
010480 0 8 1.0 0.23 0.99 0  
010580 0 8 1.0 0.23 0.99 0  
010481 0 8 1.0 0.23 0.99 0  
010581 0 8 1.0 0.23 0.99 0  
010482 0 8 1.0 0.23 0.99 0  
010582 0 8 1.0 0.23 0.99 0  
010483 0 8 1.0 0.23 0.99 0  
010583 0 8 1.0 0.23 0.99 0  
010484 0 8 1.0 0.23 0.99 0  
010584 0 8 1.0 0.23 0.99 0  
010485 0 8 1.0 0.23 0.99 0  
010585 0 8 1.0 0.23 0.99 0  
010486 0 8 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 0.990.006  
010561 0 1 0.0 0 0.990.006  
010462 0 1 0.0 0 0.990.006  
010562 0 1 0.0 0 0.990.006  
010463 0 1 0.0 0 0.990.006  
010563 0 1 0.0 0 0.990.006  
010464 0 1 0.0 0 0.990.006  
010564 0 1 0.0 0 0.990.006  
010465 0 1 0.0 0 0.990.006  
010565 0 1 0.0 0 0.990.006  
010466 0 1 0.0 0 0.990.006  
010566 0 1 0.0 0 0.990.006  
010467 0 1 0.0 0 0.990.006  
010567 0 1 0.0 0 0.990.006  
010468 0 1 0.0 0 0.990.006  
010568 0 1 0.0 0 0.990.006  
010469 0 1 0.0 0 0.990.006  
010569 0 1 0.0 0 0.990.006  
010470 0 1 0.0 0 0.990.006  
010570 0 1 0.0 0 0.990.006  
010471 0 1 0.0 0 0.990.006  
010571 0 1 0.0 0 0.990.006  
010472 0 1 0.0 0 0.990.006  
010572 0 1 0.0 0 0.990.006  
010473 0 1 0.0 0 0.990.006  
010573 0 1 0.0 0 0.990.006  
010474 0 1 0.0 0 0.990.006  
010574 0 1 0.0 0 0.990.006  
010475 0 1 0.0 0 0.990.006  
010575 0 1 0.0 0 0.990.006  
010476 0 1 0.0 0 0.990.006  
010576 0 1 0.0 0 0.990.006  
010477 0 1 0.0 0 0.990.006  
010577 0 1 0.0 0 0.990.006  
010478 0 1 0.0 0 0.990.006  
010578 0 1 0.0 0 0.990.006  
010479 0 1 0.0 0 0.990.006  
010579 0 1 0.0 0 0.990.006  
010480 0 1 0.0 0 0.990.006  
010580 0 1 0.0 0 0.990.006  
010481 0 1 0.0 0 0.990.006  
010581 0 1 0.0 0 0.990.006  
010482 0 1 0.0 0 0.990.006  
010582 0 1 0.0 0 0.990.006  
010483 0 1 0.0 0 0.990.006  
010583 0 1 0.0 0 0.990.006  
010484 0 1 0.0 0 0.990.006  
010584 0 1 0.0 0 0.990.006  
010485 0 1 0.0 0 0.990.006  
010585 0 1 0.0 0 0.990.006  
010486 0 1 0.0 0 0.990.006

010586 0 1 0.0 0 0.990.006  
010487 0 1 0.0 0 0.990.006  
010587 0 1 0.0 0 0.990.006  
010488 0 1 0.0 0 0.990.006  
010588 0 1 0.0 0 0.990.006  
010489 0 1 0.0 0 0.990.006  
010589 0 1 0.0 0 0.990.006  
010490 0 1 0.0 0 0.990.006  
010590 0 1 0.0 0 0.990.006

\*\*\* 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 0.990.006  
010561 0 1 0.0 0.012 0.990.006  
010462 0 1 0.0 0.012 0.990.006  
010562 0 1 0.0 0.012 0.990.006  
010463 0 1 0.0 0.012 0.990.006  
010563 0 1 0.0 0.012 0.990.006  
010464 0 1 0.0 0.012 0.990.006  
010564 0 1 0.0 0.012 0.990.006  
010465 0 1 0.0 0.012 0.990.006  
010565 0 1 0.0 0.012 0.990.006  
010466 0 1 0.0 0.012 0.990.006  
010566 0 1 0.0 0.012 0.990.006  
010467 0 1 0.0 0.012 0.990.006  
010567 0 1 0.0 0.012 0.990.006  
010468 0 1 0.0 0.012 0.990.006  
010568 0 1 0.0 0.012 0.990.006  
010469 0 1 0.0 0.012 0.990.006  
010569 0 1 0.0 0.012 0.990.006  
010470 0 1 0.0 0.012 0.990.006  
010570 0 1 0.0 0.012 0.990.006  
010471 0 1 0.0 0.012 0.990.006  
010571 0 1 0.0 0.012 0.990.006  
010472 0 1 0.0 0.012 0.990.006  
010572 0 1 0.0 0.012 0.990.006  
010473 0 1 0.0 0.012 0.990.006  
010573 0 1 0.0 0.012 0.990.006  
010474 0 1 0.0 0.012 0.990.006  
010574 0 1 0.0 0.012 0.990.006  
010475 0 1 0.0 0.012 0.990.006  
010575 0 1 0.0 0.012 0.990.006  
010476 0 1 0.0 0.012 0.990.006  
010576 0 1 0.0 0.012 0.990.006  
010477 0 1 0.0 0.012 0.990.006  
010577 0 1 0.0 0.012 0.990.006  
010478 0 1 0.0 0.012 0.990.006  
010578 0 1 0.0 0.012 0.990.006  
010479 0 1 0.0 0.012 0.990.006  
010579 0 1 0.0 0.012 0.990.006  
010480 0 1 0.0 0.012 0.990.006  
010580 0 1 0.0 0.012 0.990.006  
010481 0 1 0.0 0.012 0.990.006  
010581 0 1 0.0 0.012 0.990.006  
010482 0 1 0.0 0.012 0.990.006  
010582 0 1 0.0 0.012 0.990.006  
010483 0 1 0.0 0.012 0.990.006  
010583 0 1 0.0 0.012 0.990.006  
010484 0 1 0.0 0.012 0.990.006  
010584 0 1 0.0 0.012 0.990.006  
010485 0 1 0.0 0.012 0.990.006  
010585 0 1 0.0 0.012 0.990.006  
010486 0 1 0.0 0.012 0.990.006

010586 0 1 0.0 0.012 0.990.006  
010487 0 1 0.0 0.012 0.990.006  
010587 0 1 0.0 0.012 0.990.006  
010488 0 1 0.0 0.012 0.990.006  
010588 0 1 0.0 0.012 0.990.006  
010489 0 1 0.0 0.012 0.990.006  
010589 0 1 0.0 0.012 0.990.006  
010490 0 1 0.0 0.012 0.990.006  
010590 0 1 0.0 0.012 0.990.006

\*\*\* 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 0.990.006  
010561 0 1 0.0 0.12 0.990.006  
010462 0 1 0.0 0.12 0.990.006  
010562 0 1 0.0 0.12 0.990.006  
010463 0 1 0.0 0.12 0.990.006  
010563 0 1 0.0 0.12 0.990.006  
010464 0 1 0.0 0.12 0.990.006  
010564 0 1 0.0 0.12 0.990.006  
010465 0 1 0.0 0.12 0.990.006  
010565 0 1 0.0 0.12 0.990.006  
010466 0 1 0.0 0.12 0.990.006  
010566 0 1 0.0 0.12 0.990.006  
010467 0 1 0.0 0.12 0.990.006  
010567 0 1 0.0 0.12 0.990.006  
010468 0 1 0.0 0.12 0.990.006  
010568 0 1 0.0 0.12 0.990.006  
010469 0 1 0.0 0.12 0.990.006  
010569 0 1 0.0 0.12 0.990.006  
010470 0 1 0.0 0.12 0.990.006  
010570 0 1 0.0 0.12 0.990.006  
010471 0 1 0.0 0.12 0.990.006  
010571 0 1 0.0 0.12 0.990.006  
010472 0 1 0.0 0.12 0.990.006  
010572 0 1 0.0 0.12 0.990.006  
010473 0 1 0.0 0.12 0.990.006  
010573 0 1 0.0 0.12 0.990.006  
010474 0 1 0.0 0.12 0.990.006  
010574 0 1 0.0 0.12 0.990.006  
010475 0 1 0.0 0.12 0.990.006  
010575 0 1 0.0 0.12 0.990.006  
010476 0 1 0.0 0.12 0.990.006  
010576 0 1 0.0 0.12 0.990.006  
010477 0 1 0.0 0.12 0.990.006  
010577 0 1 0.0 0.12 0.990.006  
010478 0 1 0.0 0.12 0.990.006  
010578 0 1 0.0 0.12 0.990.006  
010479 0 1 0.0 0.12 0.990.006  
010579 0 1 0.0 0.12 0.990.006  
010480 0 1 0.0 0.12 0.990.006  
010580 0 1 0.0 0.12 0.990.006  
010481 0 1 0.0 0.12 0.990.006  
010581 0 1 0.0 0.12 0.990.006  
010482 0 1 0.0 0.12 0.990.006  
010582 0 1 0.0 0.12 0.990.006  
010483 0 1 0.0 0.12 0.990.006  
010583 0 1 0.0 0.12 0.990.006  
010484 0 1 0.0 0.12 0.990.006  
010584 0 1 0.0 0.12 0.990.006  
010485 0 1 0.0 0.12 0.990.006  
010585 0 1 0.0 0.12 0.990.006  
010486 0 1 0.0 0.12 0.990.006

010586 0 1 0.0 0.12 0.990.006  
010487 0 1 0.0 0.12 0.990.006  
010587 0 1 0.0 0.12 0.990.006  
010488 0 1 0.0 0.12 0.990.006  
010588 0 1 0.0 0.12 0.990.006  
010489 0 1 0.0 0.12 0.990.006  
010589 0 1 0.0 0.12 0.990.006  
010490 0 1 0.0 0.12 0.990.006  
010590 0 1 0.0 0.12 0.990.006

\*\*\* 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

PA Corn; 8/13/2001

"Lancaster County; MLRA 148; Metfile: W14737.dvf (old: Met148.met),"

\*\*\* Record 3:

0.76 0.2 0 17 1 1

\*\*\* Record 6 -- ERFLAG

4

\*\*\* Record 7:

0.32 1.042 0.5 10 3 6 354

\*\*\* Record 8

1

\*\*\* Record 9

1 17 90 100 3 89 83 85 0 300

\*\*\* Record 9a-d

1 28

0101 1601 0102 1602 0103 1603 0104 1504 1604 2504 0105 1605 0106 1606 2506 0107

.368 .382 .394 .408 .425 .451 .484 .621 .634 .688 .701 .667 .499 .329 .255 .188

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

1607 0108 1608 0109 1609 0110 1610 2010 0111 1611 0112 1612

.155 .160 .162 .163 .191 .260 .287 .025 .075 .090 .103 .114

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

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

30

\*\*\* Record 11

200461 040761 011061 1  
200462 040762 011062 1  
200463 040763 011063 1  
200464 040764 011064 1  
200465 040765 011065 1  
200466 040766 011066 1  
200467 040767 011067 1  
200468 040768 011068 1  
200469 040769 011069 1  
200470 040770 011070 1  
200471 040771 011071 1  
200472 040772 011072 1  
200473 040773 011073 1  
200474 040774 011074 1  
200475 040775 011075 1  
200476 040776 011076 1  
200477 040777 011077 1  
200478 040778 011078 1  
200479 040779 011079 1  
200480 040780 011080 1  
200481 040781 011081 1  
200482 040782 011082 1  
200483 040783 011083 1  
200484 040784 011084 1  
200485 040785 011085 1  
200486 040786 011086 1  
200487 040787 011087 1  
200488 040788 011088 1  
200489 040789 011089 1  
200490 040790 011090 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

Hagerstown 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

3

1 10 1.6 0.282 0 0 0

0.00456 0.00456 0

0.1 0.282 0.122 2.9 0

2 40 1.7 0.242 0 0 0

0.00456 0.00456 0

5 0.242 0.142 0.174 0

3 50 1.8 0.245 0 0 0

0.00456 0.00456 0

5 0.245 0.145 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

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

"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

```