



Risks of Atrazine Use to Federally Listed Endangered Barton Springs Salamanders (*Eurycea sosorum*)

Appendix E: Stepwise Approach to Modeling for the Barton Springs Salamander Endangered Species Assessment

August 22, 2006

APPENDIX E: Stepwise Approach to Modeling for the Barton Springs Salamander 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 precipitation (PRCP), transport flux (RUNF, INFL, and ESLS) and pesticide mass flux (RFLX, EFLX, and RZFX) outputs from the *.zts file for both the residential and impervious scenarios and paste in the Microsoft Excel file (see columns B to O in Figure A1 below)

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

Insert the value for percent impervious into column P (see Figure A1)

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

Calculate (imbedded in cell) combined runoff (RUNF) weighted to account for percent impervious and percent pervious in column S (Figure A2)

Calculate (imbedded in cell) combined runoff mass (RFLX) weighted to account for percent impervious and percent pervious in column T and adjusted for correction factor in przm.inp file of 10^5 (Figure A2)

Calculate (imbedded in cell) edge of field EEC by dividing runoff mass (RFLX) by runoff flux (RUNF), converting from gm/cm^3 to ug/liter by multiplying by 1,000,000 and adding the base flow concentration of 0.45 ug/liter in column V (Figure A2)

Calculate (imbedded in cell) rolling time weighted averages for the appropriate durations including 14-day (column X), 21-day (column Y), 30-day (column Z), 60-day (column AA), and 90-day (column AB). See Figure A3. 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 A4).

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

Microsoft Excel - BSS Granular Res 1% Overspray

File Edit View Insert Format Tools Data Window Help

C87 = 0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O			
1		Impervious (transferred directly from *.zts file)								Residential (transferred directly from *.zts file)								
2	Date	PRCP (cm)	RUNF (cm)	INFL (cm)	ESLS (tonnes x E3))	RFLX (g/cm2 x E5)	EFLX (g/cm2 x E5)	RZFX (gm/cm2 x E5)	PRCP (cm)	RUNF (cm)	INFL (cm)	ESLS (tonnes x E3))	RFLX (g/cm2 x E5)	EFLX (g/cm2 x E5)	RZFX (gm/cm2 x E5)	P A to		
156	6/3/1961	0	0	0	0	0	0	0	0.3305	0	0.1859	0	0	0	0			
157	6/4/1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
158	6/5/1961	0	0	0	0	0	0	0	0.33	0	0	0	0	0	0			
159	6/6/1961	0	0	0	0	0	0	0	0.768	0	0.618	0	0	0	0			
160	6/7/1961	0	0	0	0	0	0	0	0.768	0	0.618	0	0	0	0			
161	6/8/1961	2.59	2.057	0.5326	0	5.57E-04	0	0	2.59	0.2143	2.226	0	3.68E-06	0	3.02E-02			
162	6/9/1961	1.45	0.9721	0.4779	0	2.54E-04	0	0	1.45	1.06E-02	1.289	0	5.37E-08	0	4.88E-02			
163	6/10/1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
164	6/11/1961	0.25	3.22E-02	0.2178	0	8.30E-06	0	0	0.25	0	0.1	0	0	0	0			
165	6/12/1961	3.1	2.554	0.5456	0	6.28E-04	0	0	3.1	0.406	2.544	0	3.45E-07	0	0.1275			
166	6/13/1961	0.25	3.22E-02	0.2178	0	7.81E-06	0	0	0.25	0	0.1	0	0	0	0			
167	6/14/1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
168	6/15/1961	2.36	1.835	0.5252	0	4.26E-04	0	0	2.36	0.1346	2.075	2.03	2.25E-08	0	0.1089			
169	6/16/1961	6.4	5.817	0.5826	0	1.27E-03	0	0	6.4	2.427	3.823	140.6	4.40E-08	0	0.36			
170	6/17/1961	6.45	5.867	0.5829	0	1.20E-03	0	0	6.45	2.463	3.837	143.7	4.71E-09	0	0.3787			
171	6/18/1961	6.17	5.589	0.5812	0	1.07E-03	0	0	6.17	2.264	3.844	126.7	4.47E-10	0	0.3651			
172	6/19/1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
173	6/20/1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
174	6/21/1961	0	0	0	0	0	0	0	0.7429	0	0.5929	0	0	0	0			
175	6/22/1961	0	0	0	0	0	0	0	0.768	0	0.618	0	0	0	0			
176	6/23/1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
177	6/24/1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
178	6/25/1961	0	0	0	0	0	0	0	0.768	0	0.618	0	0	0	0			
179	6/26/1961	0	0	0	0	0	0	0	0.768	0	0.618	0	0	0	0			
180	6/27/1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
181	6/28/1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
182	6/29/1961	0	0	0	0	0	0	0	0.768	0	0.618	0	0	0	0			
183	6/30/1961	0	0	0	0	0	0	0	0.768	0	0.618	0	0	0	0			

BSS Combined Residential / Edge of Field Runoff / Diluted Runoff EEC / EoF 14-day / C

Ready NUM

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Microsoft Excel - BSS Granular Res 1% Overspray										
File Edit View Insert Format Tools Data Window Help										
U161 =((T161/S161)*1000000000)+0.45										
	A	O	P	Q	R	S	T	U	V	V
1										
2	Date	RZFX (gm/cm2 x E5)	Percent Applied to Lot	Percent Watershed Impervious	Percent Watershed Pervious	Combined Runoff (cm) (If no runoff reported cell is assigned value of 1E-20)	Combined Runoff Flux (gm/cm2) (adjusted to compensate for przm.inp adjustment of TSER value by 10E5)	Edge of Field EEC (adjusted to convert from gm/cm3 to ug/liter)	Edge of Field EEC with by Historic Baseflow added (adjusted to convert from gm/cm3 to ug/liter & baseflow of 0.45 ppb added)	
156	6/3/1961	0	0.5	0.3	0.7	1E-20	0	0.45	0.45	
157	6/4/1961	0	0.5	0.3	0.7	1E-20	0	0.45	0.45	
158	6/5/1961	0	0.5	0.3	0.7	1E-20	0	0.45	0.45	
159	6/6/1961	0	0.5	0.3	0.7	1E-20	0	0.45	0.45	
160	6/7/1961	0	0.5	0.3	0.7	1E-20	0	0.45	0.45	
161	6/8/1961	3.02E-02	0.5	0.3	0.7	0.76711	1.68506E-09	2.646637379	1.40356967	
162	6/9/1961	4.88E-02	0.5	0.3	0.7	0.299078	7.62488E-10	2.999461846	1.036945472	
163	6/10/1961	0	0.5	0.3	0.7	1E-20	0	0.45	0.45	
164	6/11/1961	0	0.5	0.3	0.7	0.009663	2.4909E-11	3.027770879	0.474670608	
165	6/12/1961	0.1275	0.5	0.3	0.7	1.0504	1.88401E-09	2.243608578	1.368848249	
166	6/13/1961	0	0.5	0.3	0.7	0.009663	2.3418E-11	2.873470972	0.473193878	
167	6/14/1961	0	0.5	0.3	0.7	1E-20	0	0.45	0.45	
168	6/15/1961	0.1089	0.5	0.3	0.7	0.64472	1.27928E-09	2.434239499	1.22780953	
169	6/16/1961	0.36	0.5	0.3	0.7	3.444	3.80115E-09	1.553703242	1.305345177	
170	6/17/1961	0.3787	0.5	0.3	0.7	3.4842	3.59402E-09	1.481518419	1.251484429	
171	6/18/1961	0.3651	0.5	0.3	0.7	3.2615	3.216E-09	1.436049844	1.204664218	
172	6/19/1961	0	0.5	0.3	0.7	1E-20	0	0.45	0.45	
173	6/20/1961	0	0.5	0.3	0.7	1E-20	0	0.45	0.45	
174	6/21/1961	0	0.5	0.3	0.7	1E-20	0	0.45	0.45	
175	6/22/1961	0	0.5	0.3	0.7	1E-20	0	0.45	0.45	
176	6/23/1961	0	0.5	0.3	0.7	1E-20	0	0.45	0.45	
177	6/24/1961	0	0.5	0.3	0.7	1E-20	0	0.45	0.45	
178	6/25/1961	0	0.5	0.3	0.7	1E-20	0	0.45	0.45	
179	6/26/1961	0	0.5	0.3	0.7	1E-20	0	0.45	0.45	
180	6/27/1961	0	0.5	0.3	0.7	1E-20	0	0.45	0.45	
181	6/28/1961	0	0.5	0.3	0.7	1E-20	0	0.45	0.45	
BSS Combined Residential / Edge of Field Runoff / Diluted Runoff EEC / EoF 14-day / C										
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EECs

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U161 = ((T161/S161)*1000000000)+0.45

	A	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY
1																
2	Date		14 day Avg	21 day Avg	30 day Avg	60 day Avg	90 day Avg		Year	Max Peak	Max 14 day	Max 21 day	Max 30 day	Max 60 day	Max 90 day	
3	1/1/1961								1961	1.81E+00	8.57E-01	7.21E-01	6.55E-01	5.89E-01	5.58E-01	
4	1/2/1961								1962	1.72E+01	1.67E+00	1.28E+00	1.06E+00	8.11E-01	7.27E-01	
5	1/3/1961								1963	1.80E+01	2.23E+00	1.64E+00	1.28E+00	8.88E-01	7.63E-01	
6	1/4/1961								1964	1.97E+00	6.12E-01	5.80E-01	5.64E-01	5.45E-01	5.17E-01	
7	1/5/1961								1965	1.25E+01	1.61E+00	1.28E+00	1.05E+00	7.69E-01	6.68E-01	
8	1/6/1961								1966	1.45E+01	1.66E+00	1.37E+00	1.10E+00	8.00E-01	6.91E-01	
9	1/7/1961		0.45						1967	1.11E+01	1.32E+00	1.05E+00	8.74E-01	7.34E-01	6.48E-01	
10	1/8/1961		0.45						1968	1.94E+01	2.33E+00	1.75E+00	1.40E+00	9.69E-01	8.15E-01	
11	1/9/1961		0.45						1969	2.04E+01	2.01E+00	1.51E+00	1.63E+00	1.08E+00	8.80E-01	
12	1/10/1961		0.45						1970	7.89E+00	1.35E+00	1.09E+00	9.00E-01	6.90E-01	6.13E-01	
13	1/11/1961		0.45	0.45					1971	5.80E+00	8.32E-01	7.13E-01	6.52E-01	5.69E-01	5.43E-01	
14	1/12/1961		0.45	0.45					1972	5.44E+01	4.70E+00	3.33E+00	2.47E+00	1.48E+00	1.15E+00	
15	1/13/1961		0.45	0.45					1973	2.18E+00	7.52E-01	6.53E-01	6.06E-01	5.44E-01	5.44E-01	
16	1/14/1961		0.45	0.45					1974	1.53E+01	2.32E+00	1.71E+00	1.47E+00	9.77E-01	8.02E-01	
17	1/15/1961		0.45	0.45	0.45				1975	2.68E+00	7.24E-01	6.50E-01	6.66E-01	5.98E-01	5.66E-01	
18	1/16/1961		0.45	0.45	0.45				1976	1.33E+01	1.72E+00	1.36E+00	1.12E+00	1.04E+00	8.55E-01	
19	1/17/1961		0.45	0.45	0.45				1977	7.78E+00	1.46E+00	1.12E+00	9.22E-01	7.08E-01	6.31E-01	
20	1/18/1961		0.45	0.45	0.45				1978	4.61E+01	3.96E+00	2.81E+00	2.48E+00	1.59E+00	1.21E+00	
21	1/19/1961		0.45	0.45	0.45				1979	2.54E+01	2.30E+00	1.73E+00	1.37E+00	9.37E-01	7.90E-01	
22	1/20/1961		0.45	0.45	0.45				1980	6.68E+00	1.34E+00	1.15E+00	9.48E-01	7.06E-01	6.23E-01	
23	1/21/1961		0.45	0.45	0.45				1981	4.64E+00	9.12E-01	8.67E-01	8.37E-01	7.03E-01	6.27E-01	
24	1/22/1961		0.45	0.45	0.45				1982	9.98E+00	1.73E+00	1.35E+00	1.16E+00	8.43E-01	7.21E-01	
25	1/23/1961		0.45	0.45	0.45				1983	1.78E+01	1.89E+00	1.41E+00	1.18E+00	8.31E-01	7.22E-01	
26	1/24/1961		0.45	0.45	0.45				1984	1.20E+00	6.91E-01	6.54E-01	5.93E-01	5.34E-01	5.12E-01	
27	1/25/1961		0.45	0.45	0.45				1985	1.53E+00	5.78E-01	5.79E-01	5.69E-01	5.38E-01	5.29E-01	
28	1/26/1961		0.45	0.45	0.45				1986	4.94E+01	4.76E+00	3.46E+00	2.56E+00	1.53E+00	1.17E+00	
29	1/27/1961		0.45	0.45	0.45				1987	2.55E+00	7.73E-01	7.39E-01	6.84E-01	6.22E-01	5.78E-01	
30	1/28/1961		0.45	0.45	0.45				1988	5.17E+00	9.54E-01	8.24E-01	7.52E-01	6.72E-01	6.09E-01	
31	1/29/1961		0.45	0.45	0.45				1989	2.75E+01	3.26E+00	2.33E+00	1.82E+00	1.17E+00	9.36E-01	
32	1/30/1961		0.45	0.45	0.45	0.45			1990	4.06E+01	3.43E+00	2.44E+00	1.87E+00	1.19E+00	9.57E-01	
33	1/31/1961		0.45	0.45	0.45	0.45										
34	2/1/1961		0.45	0.45	0.45	0.45										
35	2/2/1961		0.45	0.45	0.45	0.45			90th % (ppb)	41.1759	3.48147	2.47689	1.93054	1.21891	0.97626	
36	2/3/1961		0.45	0.45	0.45	0.45										

BSS Combined Residential / Edge of Field Runoff / Diluted Runoff EEC / EoF 14-day

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Barton Springs 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 0.01
010561 0 8 1.0 2.24 0.99 0.01
010462 0 8 1.0 2.24 0.99 0.01
010562 0 8 1.0 2.24 0.99 0.01
010463 0 8 1.0 2.24 0.99 0.01
010563 0 8 1.0 2.24 0.99 0.01
010464 0 8 1.0 2.24 0.99 0.01
010564 0 8 1.0 2.24 0.99 0.01
010465 0 8 1.0 2.24 0.99 0.01
010565 0 8 1.0 2.24 0.99 0.01
010466 0 8 1.0 2.24 0.99 0.01
010566 0 8 1.0 2.24 0.99 0.01
010467 0 8 1.0 2.24 0.99 0.01
010567 0 8 1.0 2.24 0.99 0.01
010468 0 8 1.0 2.24 0.99 0.01
010568 0 8 1.0 2.24 0.99 0.01
010469 0 8 1.0 2.24 0.99 0.01
010569 0 8 1.0 2.24 0.99 0.01
010470 0 8 1.0 2.24 0.99 0.01
010570 0 8 1.0 2.24 0.99 0.01
010471 0 8 1.0 2.24 0.99 0.01
010571 0 8 1.0 2.24 0.99 0.01
010472 0 8 1.0 2.24 0.99 0.01
010572 0 8 1.0 2.24 0.99 0.01
010473 0 8 1.0 2.24 0.99 0.01
010573 0 8 1.0 2.24 0.99 0.01
010474 0 8 1.0 2.24 0.99 0.01
010574 0 8 1.0 2.24 0.99 0.01
010475 0 8 1.0 2.24 0.99 0.01
010575 0 8 1.0 2.24 0.99 0.01
010476 0 8 1.0 2.24 0.99 0.01
010576 0 8 1.0 2.24 0.99 0.01
010477 0 8 1.0 2.24 0.99 0.01
010577 0 8 1.0 2.24 0.99 0.01
010478 0 8 1.0 2.24 0.99 0.01
010578 0 8 1.0 2.24 0.99 0.01
010479 0 8 1.0 2.24 0.99 0.01
010579 0 8 1.0 2.24 0.99 0.01
010480 0 8 1.0 2.24 0.99 0.01
010580 0 8 1.0 2.24 0.99 0.01
010481 0 8 1.0 2.24 0.99 0.01
010581 0 8 1.0 2.24 0.99 0.01
010482 0 8 1.0 2.24 0.99 0.01
010582 0 8 1.0 2.24 0.99 0.01
010483 0 8 1.0 2.24 0.99 0.01
010583 0 8 1.0 2.24 0.99 0.01
010484 0 8 1.0 2.24 0.99 0.01
010584 0 8 1.0 2.24 0.99 0.01

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010485 0 8 1.0 2.24 0.99 0.01
010585 0 8 1.0 2.24 0.99 0.01
010486 0 8 1.0 2.24 0.99 0.01
010586 0 8 1.0 2.24 0.99 0.01
010487 0 8 1.0 2.24 0.99 0.01
010587 0 8 1.0 2.24 0.99 0.01
010488 0 8 1.0 2.24 0.99 0.01
010588 0 8 1.0 2.24 0.99 0.01
010489 0 8 1.0 2.24 0.99 0.01
010589 0 8 1.0 2.24 0.99 0.01
010490 0 8 1.0 2.24 0.99 0.01
010590 0 8 1.0 2.24 0.99 0.01
*** 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

.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	0.099	0
010561	08	1.0	0.099	0
010462	08	1.0	0.099	0
010562	08	1.0	0.099	0
010463	08	1.0	0.099	0
010563	08	1.0	0.099	0
010464	08	1.0	0.099	0
010564	08	1.0	0.099	0
010465	08	1.0	0.099	0
010565	08	1.0	0.099	0
010466	08	1.0	0.099	0
010566	08	1.0	0.099	0
010467	08	1.0	0.099	0
010567	08	1.0	0.099	0
010468	08	1.0	0.099	0
010568	08	1.0	0.099	0
010469	08	1.0	0.099	0
010569	08	1.0	0.099	0
010470	08	1.0	0.099	0
010570	08	1.0	0.099	0
010471	08	1.0	0.099	0
010571	08	1.0	0.099	0
010472	08	1.0	0.099	0
010572	08	1.0	0.099	0
010473	08	1.0	0.099	0
010573	08	1.0	0.099	0
010474	08	1.0	0.099	0
010574	08	1.0	0.099	0
010475	08	1.0	0.099	0
010575	08	1.0	0.099	0
010476	08	1.0	0.099	0
010576	08	1.0	0.099	0
010477	08	1.0	0.099	0
010577	08	1.0	0.099	0
010478	08	1.0	0.099	0
010578	08	1.0	0.099	0
010479	08	1.0	0.099	0
010579	08	1.0	0.099	0
010480	08	1.0	0.099	0
010580	08	1.0	0.099	0
010481	08	1.0	0.099	0
010581	08	1.0	0.099	0
010482	08	1.0	0.099	0
010582	08	1.0	0.099	0
010483	08	1.0	0.099	0
010583	08	1.0	0.099	0
010484	08	1.0	0.099	0
010584	08	1.0	0.099	0
010485	08	1.0	0.099	0
010585	08	1.0	0.099	0
010486	08	1.0	0.099	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

.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 @ .023 kg/ha

*** Record 13

60 1 0 0

*** Record 15 -- PSTNAM

atrazine

*** Record 16

010461	0 8	1.0	0.023	0.99	0
010561	0 8	1.0	0.023	0.99	0
010462	0 8	1.0	0.023	0.99	0
010562	0 8	1.0	0.023	0.99	0
010463	0 8	1.0	0.023	0.99	0
010563	0 8	1.0	0.023	0.99	0
010464	0 8	1.0	0.023	0.99	0
010564	0 8	1.0	0.023	0.99	0
010465	0 8	1.0	0.023	0.99	0
010565	0 8	1.0	0.023	0.99	0
010466	0 8	1.0	0.023	0.99	0
010566	0 8	1.0	0.023	0.99	0
010467	0 8	1.0	0.023	0.99	0
010567	0 8	1.0	0.023	0.99	0
010468	0 8	1.0	0.023	0.99	0
010568	0 8	1.0	0.023	0.99	0
010469	0 8	1.0	0.023	0.99	0
010569	0 8	1.0	0.023	0.99	0
010470	0 8	1.0	0.023	0.99	0
010570	0 8	1.0	0.023	0.99	0
010471	0 8	1.0	0.023	0.99	0
010571	0 8	1.0	0.023	0.99	0
010472	0 8	1.0	0.023	0.99	0
010572	0 8	1.0	0.023	0.99	0
010473	0 8	1.0	0.023	0.99	0
010573	0 8	1.0	0.023	0.99	0
010474	0 8	1.0	0.023	0.99	0
010574	0 8	1.0	0.023	0.99	0
010475	0 8	1.0	0.023	0.99	0
010575	0 8	1.0	0.023	0.99	0
010476	0 8	1.0	0.023	0.99	0
010576	0 8	1.0	0.023	0.99	0
010477	0 8	1.0	0.023	0.99	0
010577	0 8	1.0	0.023	0.99	0
010478	0 8	1.0	0.023	0.99	0
010578	0 8	1.0	0.023	0.99	0
010479	0 8	1.0	0.023	0.99	0
010579	0 8	1.0	0.023	0.99	0
010480	0 8	1.0	0.023	0.99	0
010580	0 8	1.0	0.023	0.99	0
010481	0 8	1.0	0.023	0.99	0
010581	0 8	1.0	0.023	0.99	0
010482	0 8	1.0	0.023	0.99	0
010582	0 8	1.0	0.023	0.99	0
010483	0 8	1.0	0.023	0.99	0
010583	0 8	1.0	0.023	0.99	0
010484	0 8	1.0	0.023	0.99	0
010584	0 8	1.0	0.023	0.99	0
010485	0 8	1.0	0.023	0.99	0
010585	0 8	1.0	0.023	0.99	0
010486	0 8	1.0	0.023	0.99	0

```

010586 0 8 1.0 0.023 0.99 0
010487 0 8 1.0 0.023 0.99 0
010587 0 8 1.0 0.023 0.99 0
010488 0 8 1.0 0.023 0.99 0
010588 0 8 1.0 0.023 0.99 0
010489 0 8 1.0 0.023 0.99 0
010589 0 8 1.0 0.023 0.99 0
010490 0 8 1.0 0.023 0.99 0
010590 0 8 1.0 0.023 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

.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 0.99 0.01
010561 0 2 0.0 1.12 0.99 0.01
010462 0 2 0.0 1.12 0.99 0.01
010562 0 2 0.0 1.12 0.99 0.01
010463 0 2 0.0 1.12 0.99 0.01
010563 0 2 0.0 1.12 0.99 0.01
010464 0 2 0.0 1.12 0.99 0.01
010564 0 2 0.0 1.12 0.99 0.01
010465 0 2 0.0 1.12 0.99 0.01
010565 0 2 0.0 1.12 0.99 0.01
010466 0 2 0.0 1.12 0.99 0.01
010566 0 2 0.0 1.12 0.99 0.01
010467 0 2 0.0 1.12 0.99 0.01
010567 0 2 0.0 1.12 0.99 0.01
010468 0 2 0.0 1.12 0.99 0.01
010568 0 2 0.0 1.12 0.99 0.01
010469 0 2 0.0 1.12 0.99 0.01
010569 0 2 0.0 1.12 0.99 0.01
010470 0 2 0.0 1.12 0.99 0.01
010570 0 2 0.0 1.12 0.99 0.01
010471 0 2 0.0 1.12 0.99 0.01
010571 0 2 0.0 1.12 0.99 0.01
010472 0 2 0.0 1.12 0.99 0.01
010572 0 2 0.0 1.12 0.99 0.01
010473 0 2 0.0 1.12 0.99 0.01
010573 0 2 0.0 1.12 0.99 0.01
010474 0 2 0.0 1.12 0.99 0.01
010574 0 2 0.0 1.12 0.99 0.01
010475 0 2 0.0 1.12 0.99 0.01
010575 0 2 0.0 1.12 0.99 0.01
010476 0 2 0.0 1.12 0.99 0.01
010576 0 2 0.0 1.12 0.99 0.01
010477 0 2 0.0 1.12 0.99 0.01
010577 0 2 0.0 1.12 0.99 0.01
010478 0 2 0.0 1.12 0.99 0.01
010578 0 2 0.0 1.12 0.99 0.01
010479 0 2 0.0 1.12 0.99 0.01
010579 0 2 0.0 1.12 0.99 0.01
010480 0 2 0.0 1.12 0.99 0.01
010580 0 2 0.0 1.12 0.99 0.01
010481 0 2 0.0 1.12 0.99 0.01
010581 0 2 0.0 1.12 0.99 0.01
010482 0 2 0.0 1.12 0.99 0.01
010582 0 2 0.0 1.12 0.99 0.01
010483 0 2 0.0 1.12 0.99 0.01
010583 0 2 0.0 1.12 0.99 0.01
010484 0 2 0.0 1.12 0.99 0.01
010584 0 2 0.0 1.12 0.99 0.01
010485 0 2 0.0 1.12 0.99 0.01
010585 0 2 0.0 1.12 0.99 0.01
010486 0 2 0.0 1.12 0.99 0.01

```

010586 0 2 0.0 1.12 0.99 0.01
010487 0 2 0.0 1.12 0.99 0.01
010587 0 2 0.0 1.12 0.99 0.01
010488 0 2 0.0 1.12 0.99 0.01
010588 0 2 0.0 1.12 0.99 0.01
010489 0 2 0.0 1.12 0.99 0.01
010589 0 2 0.0 1.12 0.99 0.01
010490 0 2 0.0 1.12 0.99 0.01
010590 0 2 0.0 1.12 0.99 0.01
*** 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

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

```

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

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

```

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

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

```

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

011161 0 2 0.0 2.52 0.99 0.01
011162 0 2 0.0 2.52 0.99 0.01
011163 0 2 0.0 2.52 0.99 0.01
011164 0 2 0.0 2.52 0.99 0.01
011165 0 2 0.0 2.52 0.99 0.01
011166 0 2 0.0 2.52 0.99 0.01
011167 0 2 0.0 2.52 0.99 0.01
011168 0 2 0.0 2.52 0.99 0.01
011169 0 2 0.0 2.52 0.99 0.01
011170 0 2 0.0 2.52 0.99 0.01
011171 0 2 0.0 2.52 0.99 0.01
011172 0 2 0.0 2.52 0.99 0.01
011173 0 2 0.0 2.52 0.99 0.01
011174 0 2 0.0 2.52 0.99 0.01
011175 0 2 0.0 2.52 0.99 0.01
011176 0 2 0.0 2.52 0.99 0.01
011177 0 2 0.0 2.52 0.99 0.01
011178 0 2 0.0 2.52 0.99 0.01
011179 0 2 0.0 2.52 0.99 0.01
011180 0 2 0.0 2.52 0.99 0.01
011181 0 2 0.0 2.52 0.99 0.01
011182 0 2 0.0 2.52 0.99 0.01
011183 0 2 0.0 2.52 0.99 0.01
011184 0 2 0.0 2.52 0.99 0.01
011185 0 2 0.0 2.52 0.99 0.01
011186 0 2 0.0 2.52 0.99 0.01
011187 0 2 0.0 2.52 0.99 0.01
011188 0 2 0.0 2.52 0.99 0.01
011189 0 2 0.0 2.52 0.99 0.01
011190 0 2 0.0 2.52 0.99 0.01

*** Record 17

0 1 0

*** Record 18

0 0 0.5

*** 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 2 0.0 1.12 0.99 0.01
010662 0 2 0.0 1.12 0.99 0.01
010663 0 2 0.0 1.12 0.99 0.01
010664 0 2 0.0 1.12 0.99 0.01
010665 0 2 0.0 1.12 0.99 0.01
010666 0 2 0.0 1.12 0.99 0.01
010667 0 2 0.0 1.12 0.99 0.01
010668 0 2 0.0 1.12 0.99 0.01
010669 0 2 0.0 1.12 0.99 0.01
010670 0 2 0.0 1.12 0.99 0.01
010671 0 2 0.0 1.12 0.99 0.01
010672 0 2 0.0 1.12 0.99 0.01
010673 0 2 0.0 1.12 0.99 0.01
010674 0 2 0.0 1.12 0.99 0.01
010675 0 2 0.0 1.12 0.99 0.01
010676 0 2 0.0 1.12 0.99 0.01
010677 0 2 0.0 1.12 0.99 0.01
010678 0 2 0.0 1.12 0.99 0.01
010679 0 2 0.0 1.12 0.99 0.01
010680 0 2 0.0 1.12 0.99 0.01
010681 0 2 0.0 1.12 0.99 0.01
010682 0 2 0.0 1.12 0.99 0.01
010683 0 2 0.0 1.12 0.99 0.01
010684 0 2 0.0 1.12 0.99 0.01
010685 0 2 0.0 1.12 0.99 0.01
010686 0 2 0.0 1.12 0.99 0.01
010687 0 2 0.0 1.12 0.99 0.01
010688 0 2 0.0 1.12 0.99 0.01
010689 0 2 0.0 1.12 0.99 0.01
010690 0 2 0.0 1.12 0.99 0.01

*** Record 17

0 1 0

*** Record 18

0 0 0.5

*** 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

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 0.01
010561 0 8 1.0 2.24 0.99 0.01
010462 0 8 1.0 2.24 0.99 0.01
010562 0 8 1.0 2.24 0.99 0.01
010463 0 8 1.0 2.24 0.99 0.01
010563 0 8 1.0 2.24 0.99 0.01
010464 0 8 1.0 2.24 0.99 0.01
010564 0 8 1.0 2.24 0.99 0.01
010465 0 8 1.0 2.24 0.99 0.01
010565 0 8 1.0 2.24 0.99 0.01
010466 0 8 1.0 2.24 0.99 0.01
010566 0 8 1.0 2.24 0.99 0.01
010467 0 8 1.0 2.24 0.99 0.01
010567 0 8 1.0 2.24 0.99 0.01
010468 0 8 1.0 2.24 0.99 0.01
010568 0 8 1.0 2.24 0.99 0.01
010469 0 8 1.0 2.24 0.99 0.01
010569 0 8 1.0 2.24 0.99 0.01
010470 0 8 1.0 2.24 0.99 0.01
010570 0 8 1.0 2.24 0.99 0.01
010471 0 8 1.0 2.24 0.99 0.01
010571 0 8 1.0 2.24 0.99 0.01
010472 0 8 1.0 2.24 0.99 0.01
010572 0 8 1.0 2.24 0.99 0.01
010473 0 8 1.0 2.24 0.99 0.01
010573 0 8 1.0 2.24 0.99 0.01
010474 0 8 1.0 2.24 0.99 0.01
010574 0 8 1.0 2.24 0.99 0.01
010475 0 8 1.0 2.24 0.99 0.01
010575 0 8 1.0 2.24 0.99 0.01
010476 0 8 1.0 2.24 0.99 0.01
010576 0 8 1.0 2.24 0.99 0.01
010477 0 8 1.0 2.24 0.99 0.01
010577 0 8 1.0 2.24 0.99 0.01
010478 0 8 1.0 2.24 0.99 0.01
010578 0 8 1.0 2.24 0.99 0.01
010479 0 8 1.0 2.24 0.99 0.01
010579 0 8 1.0 2.24 0.99 0.01
010480 0 8 1.0 2.24 0.99 0.01
010580 0 8 1.0 2.24 0.99 0.01
010481 0 8 1.0 2.24 0.99 0.01
010581 0 8 1.0 2.24 0.99 0.01
010482 0 8 1.0 2.24 0.99 0.01
010582 0 8 1.0 2.24 0.99 0.01
010483 0 8 1.0 2.24 0.99 0.01
010583 0 8 1.0 2.24 0.99 0.01
010484 0 8 1.0 2.24 0.99 0.01
010584 0 8 1.0 2.24 0.99 0.01
010485 0 8 1.0 2.24 0.99 0.01
010585 0 8 1.0 2.24 0.99 0.01
010486 0 8 1.0 2.24 0.99 0.01

```

010586 0 8 1.0 2.24 0.99 0.01
010487 0 8 1.0 2.24 0.99 0.01
010587 0 8 1.0 2.24 0.99 0.01
010488 0 8 1.0 2.24 0.99 0.01
010588 0 8 1.0 2.24 0.99 0.01
010489 0 8 1.0 2.24 0.99 0.01
010589 0 8 1.0 2.24 0.99 0.01
010490 0 8 1.0 2.24 0.99 0.01
010590 0 8 1.0 2.24 0.99 0.01
*** 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 0.99 0.01
010561 0 2 0.0 1.12 0.99 0.01
010462 0 2 0.0 1.12 0.99 0.01
010562 0 2 0.0 1.12 0.99 0.01
010463 0 2 0.0 1.12 0.99 0.01
010563 0 2 0.0 1.12 0.99 0.01
010464 0 2 0.0 1.12 0.99 0.01
010564 0 2 0.0 1.12 0.99 0.01
010465 0 2 0.0 1.12 0.99 0.01
010565 0 2 0.0 1.12 0.99 0.01
010466 0 2 0.0 1.12 0.99 0.01
010566 0 2 0.0 1.12 0.99 0.01
010467 0 2 0.0 1.12 0.99 0.01
010567 0 2 0.0 1.12 0.99 0.01
010468 0 2 0.0 1.12 0.99 0.01
010568 0 2 0.0 1.12 0.99 0.01
010469 0 2 0.0 1.12 0.99 0.01
010569 0 2 0.0 1.12 0.99 0.01
010470 0 2 0.0 1.12 0.99 0.01
010570 0 2 0.0 1.12 0.99 0.01
010471 0 2 0.0 1.12 0.99 0.01
010571 0 2 0.0 1.12 0.99 0.01
010472 0 2 0.0 1.12 0.99 0.01
010572 0 2 0.0 1.12 0.99 0.01
010473 0 2 0.0 1.12 0.99 0.01
010573 0 2 0.0 1.12 0.99 0.01
010474 0 2 0.0 1.12 0.99 0.01
010574 0 2 0.0 1.12 0.99 0.01
010475 0 2 0.0 1.12 0.99 0.01
010575 0 2 0.0 1.12 0.99 0.01
010476 0 2 0.0 1.12 0.99 0.01
010576 0 2 0.0 1.12 0.99 0.01
010477 0 2 0.0 1.12 0.99 0.01
010577 0 2 0.0 1.12 0.99 0.01
010478 0 2 0.0 1.12 0.99 0.01
010578 0 2 0.0 1.12 0.99 0.01
010479 0 2 0.0 1.12 0.99 0.01
010579 0 2 0.0 1.12 0.99 0.01
010480 0 2 0.0 1.12 0.99 0.01
010580 0 2 0.0 1.12 0.99 0.01
010481 0 2 0.0 1.12 0.99 0.01
010581 0 2 0.0 1.12 0.99 0.01
010482 0 2 0.0 1.12 0.99 0.01
010582 0 2 0.0 1.12 0.99 0.01
010483 0 2 0.0 1.12 0.99 0.01
010583 0 2 0.0 1.12 0.99 0.01
010484 0 2 0.0 1.12 0.99 0.01
010584 0 2 0.0 1.12 0.99 0.01
010485 0 2 0.0 1.12 0.99 0.01
010585 0 2 0.0 1.12 0.99 0.01
010486 0 2 0.0 1.12 0.99 0.01

```

010586 0 2 0.0 1.12 0.99 0.01
010487 0 2 0.0 1.12 0.99 0.01
010587 0 2 0.0 1.12 0.99 0.01
010488 0 2 0.0 1.12 0.99 0.01
010588 0 2 0.0 1.12 0.99 0.01
010489 0 2 0.0 1.12 0.99 0.01
010589 0 2 0.0 1.12 0.99 0.01
010490 0 2 0.0 1.12 0.99 0.01
010590 0 2 0.0 1.12 0.99 0.01
*** 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

```