

**Tracer Residence Time Distribution database**  
**A parsimonious approach for large-scale tracer test interpretation**

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ID	Waterbody	Geological context	Main drainage system	Injection point	Injection type	Detection point	Detection type	Apparent length of flowpath	Mi	Tracer	Cmax	Flow	Recovery	tmean	tmod	hmod	V	Date	Origin of data
								m	g		ppb	l/s	%	s	s	s-1	m <sup>3</sup> /d		
1			Water colon	Water colon with hydraulic constriction				4				1.1E-02		289	240	1.00E-02	1440		
2			Water colon	Water colon with hydraulic constriction				4			2.5E-03			1294	1068	1.94E-03	324		
3	GW	Turbidites/Sandstones	Fractured	90X	Sinking stream	Rampoli Stream	Surface stream	117	5000	Uranine	1.7E-02			172800	3.61E-06	59	06/05/2006	Vincenzi et al., 2009	
4	GW	Turbidites/Sandstones	Fractured	200X	Sinking stream	Rampoli Stream	Surface stream	135	5000	Uranine	1.0E-01			172800	1.72E-06	68	07/05/2006	Vincenzi et al., 2009	
5	GW	Turbidites/Sandstones	Fractured	RW	Sinking stream	Rampoli Stream	Surface stream	94	5000	Uranine	7.0E-00			86400	4.32E-06	94	08/05/2006	Vincenzi et al., 2009	
6	GW	Turbidites/Sandstones	Fractured	85SX	Sinking stream	Rampoli Stream	Surface stream	373	5000	Uranine	2.6E-00			3888000	1.98E-07	8	09/05/2006	Vincenzi et al., 2009	
7	GW	Turbidites/Sandstones	Fractured	85SX	Sinking stream	Rampoli Stream	Surface stream	373	5000	Uranine	5.0E-01			3888000	1.92E-07	9	10/05/2006	Vincenzi et al., 2009	
8	GW	Turbidites/Sandstones	Fractured	85SX	Sinking stream	Rampoli Stream	Surface stream	373	5000	Uranine	2.3E-00			4320000	1.91E-07	7	11/05/2006	Vincenzi et al., 2009	
9	GW	Turbidites/Sandstones	Fractured	88SX	Sinking stream	Rampoli Stream	Surface stream	403	5000	Uranine	6.7E-01			3888000	2.16E-07	9	12/05/2006	Vincenzi et al., 2009	
10	GW	Turbidites/Sandstones	Fractured	89SX	Sinking stream	Rampoli Stream	Surface stream	403	5000	Uranine	5.7E-01			3888000	2.19E-07	9	13/05/2006	Vincenzi et al., 2009	
11	GW	Turbidites/Sandstones	Fractured	111SX	Sinking stream	Rampoli Stream	Surface stream	468	5000	Uranine	2.9E-00			7962400	2.28E-07	5	14/05/2006	Vincenzi et al., 2009	
12	GW	Turbidites/Sandstones	Fractured	141SX	Sinking stream	Rampoli Stream	Surface stream	203	5000	Uranine	5.0E-02			2246400	2.14E-07	8	15/05/2006	Vincenzi et al., 2009	
13	GW	Turbidites/Sandstones	Fractured	141DX	Sinking stream	Rampoli Stream	Surface stream	203	5000	Uranine	3.3E-02			2592000	2.29E-07	7	16/05/2006	Vincenzi et al., 2009	
14	GW	Turbidites/Sandstones	Fractured	148SX	Sinking stream	Rampoli Stream	Surface stream	206	5000	Uranine	6.7E-02			2592000	1.60E-07	7	17/05/2006	Vincenzi et al., 2009	
15	GW	Turbidites/Sandstones	Fractured	OSTX	Sinking stream	Rampoli Stream	Surface stream	91	5000	Uranine	1.0E-01			1468800	2.37E-07	5	18/05/2006	Vincenzi et al., 2009	
16	GW	Limestone	Fractured	P2	Well	PE-3	Well	42	50		8.0E-00		57%	115200	10080	8.89E-06	36		Vereault 2003
17	GW	Limestone	Fractured	P3	Well	PE-3	Well	58	360		8.5E-01		98%	75600	64800	7.63E-06	77		Vereault 2003
18	GW	Fractured sedimentary rocks	Fractured	6	Well	1	Well	30	1870	Bromide	3.0E+03	2.0E+00	56%	36000	5.78E-06	73		Carleton et al., 1999	
19	GW	Fractured sedimentary rocks	Fractured	2	Well	1	Well	91	3750	Bromide	3.9E+03	2.0E+00	53%	72000	3.96E-06	110		Carleton et al., 1999	
20	GW	Fractured sedimentary rocks	Fractured	10	Well	1	Well	183	3880	Bromide	1.6E+03	2.0E+00	34%	306000	2.37E-06	52		Carleton et al., 1999	
21	GW	Fractured sedimentary rocks	Fractured	20BR	Well	BRP2	Well	30	287	Bromide	2.3E+03	2.1E-01	59%	49500	2.91E-06	54		Carleton et al., 1999	
22	GW	Fractured sedimentary rocks	Fractured	BRP3	Well	15BR	Well	30	471	Bromide	7.5E+03	3.2E-01	37%	41100	3.24E-06	64		Carleton et al., 1999	
23	GW	Fractured sedimentary rocks	Fractured	41BR	Well	16BR	Well	30	648	Bromide	2.9E+04	8.8E-02	57%	29700	6.93E-06	89		Carleton et al., 1999	
24	GW	Fractured crystalline rock	Fractured	F5E9	Well	F5E9	Well	36	100	Bromide	6.0E+00	4.8E-02	100%	126200	2.90E-06	25	1997	Becker and Shapiro, 2000	
25	GW	Fractured crystalline rock	Fractured	F5E9	Well	F5E9	Well	36	100	Bromide	7.0E+00	1.0E-01	100%	12860	1.14E-05	25	1997	Becker and Shapiro, 2000	
26	GW	Fractured crystalline rock	Fractured	F5-6	Well	F5-6	Well	12.7		Bromide	8.3E-03	41%		13230	3.39E-05	83		Raven et al., 1988, In Malozewski and Zuber, 1993	
27	GW	Fractured crystalline rock	Fractured	F5-6	Well	F5-6	Well	12.7		Uranine	8.3E-03	41%		9260	2.96E-05	118		Raven et al., 1988, In Malozewski and Zuber, 1993	
28	GW	Fractured crystalline rock	Fractured	F5-6	Well	F5-15	Well	12.7		Bromide	8.3E-03	57%		73060	7.80E-06	15		Raven et al., 1988, In Malozewski and Zuber, 1993	
29	GW	Fractured dolomite	Fractured		Well		Well	19.8			4.0E+00	89%		1480	8.13E-04	1156		Shapiro and Nicholas, 1989, In Malozewski and Zuber, 1993	
30	GW	Fractured sedimentary rocks	Fractured	HKLU	Well	Lange Bramke Creek	Surface stream	550	5000	Bromide	5.5E+00	54%		604800	5.15E-07	79		Malozewski et al., 1999	
31	GW	Fractured sedimentary rocks	Fractured	HKLU	Well	Lange Bramke Creek	Surface stream	550	5000	Bromide	2.8E+01	10%		155520	6.23E-07	306		Malozewski et al., 1999	
32	GW	Fractured chalk	Fractured	Pa CS	Well		Well	6	5.3	Eosine	2.0E+02			5100	3.59E-05	77	02/07/1998	Brayeur et al., 2004	
33	GW	Limestone	Karst	STEP Massesgras	Dolina	Source de Rouveyrol	Spring	4560	250	Uranine	6.1E+00	4.6E+02	137%	682560	612360	8.20E-06	643	30/06/2003	PNRGC 2006
34	GW	Limestone	Karst	Paltzuaran	Dolina	Lesate Sp.	Spring	3775	7600	LiCl	2.4E+02	6.2E+01	88%	335760	312000	1.35E-05	1045	28/03/2001	Morales et al., 2007
35	GW	Limestone	Karst	Paltzuaran	Dolina	Lesate Sp.	Spring	3775	15400	LiCl	4.1E+02	2.5E+01	86%	496800	436800	5.45E-06	747	15/12/2001	Morales et al., 2007
36	GW	Limestone	Karst	Ugitebu	Dolina	Ugitebu Sp.	Spring	2050	7000	LiCl	3.1E+02	4.8E+01	95%	239820	236400	1.37E-05	749	28/03/2001	Morales et al., 2007
37	GW	Limestone	Karst	Etakbaru	Dolina	Ugitebu Sp.	Spring	2050	471	LiCl	7.9E+02	1.4E+01	90%	451500	402180	4.67E-06	440	15/12/2001	Morales et al., 2007
38	GW	Limestone	Karst	Etakbaru	Dolina	Ugitebu Sp.	Spring	2050	36400	LiCl	1.9E+03	7.0E+00	81%	843960	769200	2.89E-06	430	04/08/2001	Morales et al., 2007
39	GW	Limestone	Karst	Larreta	Dolina	Trakmail Sp.	Spring	2600	30000	LiCl	2.3E+03	8.6E+00	74%	581880	486000	6.33E-06	262	27/09/2002	Morales et al., 2007
40	GW	Limestone	Karst	Vene	Karst conduit	Isanaka	Spring	6100	3000	Uranine	3.2E+01	2.0E+02	85%	729000	415440	2.51E-06	1269	21/01/2000	Ladouceur et al., 2008
41	GW	Limestone	Karst	Hollon Cave	Karst conduit	Sleibach Sp.	Spring	2500	200	Uranine	9.3E+01	1.7E+02	99%	353880	8.08E-06	610	26/02/2005	Goldschneider et al., 2001	
42	GW	Limestone	Karst	Rinquelle	Karst conduit	Rinquelle	Spring				2.0E+03			9970	4.00E-05			Leubundgut, 1998	
43	GW	Limestone	Karst	Rinquelle	Karst conduit	Rinquelle	Spring				4.4E+03			134640	3.03E-05			mai-93	
44	GW	Limestone	Karst	Rinquelle	Karst conduit	Rinquelle	Spring				7.2E+03			195120	1.96E-05			juil.-93	
45	GW	Limestone	Karst	Perte des Pradelles	Sinkhole	Source du Verlenque	Spring	2650	50	Eosine gamma	2.3E+00		42%	637920	250500	5.12E-06	914	14/11/2002	PNRGC 2006
46	GW	Limestone	Karst	Aven du col de la Fagette	Sinkhole	Beldioze	Spring	14450	500	Uranine	4.0E-01		8%	1168200	99840	2.44E-06	1250	08/04/2003	PNRGC 2006
47	GW	Limestone/Dolostone	Karst	Aven de la carriere du Clos-Haut	Sinkhole	Source de Beldioze	Spring	15183	400	Uranine	3.7E-01		4%	98540	449960	5.00E-06	1543	22/11/2004	PNRGC 2006
48	GW	Limestone/Dolostone	Karst	Aven de la carriere du Clos-Haut	Sinkhole	Source de Fontmaure	Spring	14362	400	Uranine	1.3E-01		2%	1144440	1085040	3.23E-06	1144	22/11/2004	PNRGC 2006
49	GW	Limestone	Karst	Fontaine de Nimes	Sinkhole	Fontaine de Nimes	Spring	2250	3000	Sulfurhodamine G	8.2E+00	3.9E+02	45%	2160000	1563840	2.37E-06	124	10/03/2006	Maréchal et al., 2010
50	GW	Limestone	Karst	Aven du pont de la République	Sinkhole	Fontaine de Nimes	Spring	2710	12500	naphtionate	1.4E+02	3.9E+02	69%	1382400	803520	6.51E-06	291	10/03/2006	Maréchal et al., 2010
51	GW	Limestone/Dolostone	Karst	Llanos del Pouzeu	Sinkhole	Cueva del Gato	Spring	5200	3000	Eosine gamma	8.1E-01	4.4E+03	10%	208800	1186E-05	2152	25/11/2002	Andreo, B. et al., 2004	
52	GW	Limestone/Dolostone	Karst	Llanos de Libar	Sinkhole	Benajos	Spring	5000	3000	Uranine	7.3E-01	1.4E+01	85%	244200	5.95E-06	870	25/11/2002	Andreo, B. et al., 2004	
53	GW	Limestone/Dolostone	Karst	Llanos de Libar	Sinkhole	Jimera de Libar	Spring	5000	3000	Uranine	2.3E+01	7.0E+02	24%	234000	2.24E-05	1846	25/11/2002	Andreo, B. et al., 2004	
54	GW	Limestone/Dolostone	Karst	Simá del Republicano	Sinkhole	Charco del Mabor	Spring	14500	3000	Sulfurhodamine G	8.5E-01	9.3E+03	74%	482400	3.58E-06	2597	25/11/2002	Andreo, B. et al., 2004	
55	GW	Limestone	Karst	Boluntulo	Sinking stream	Olaide Sp.	Spring	2750	32700	LiCl	4.8E+02	8.7E+01	94%	429300	399600	8.34E-06	595	14/12/1997	Morales et al., 2007
56	GW	Limestone	Karst	Boluntulo	Sinking stream	Olaide Sp.	Spring	2750	9800	LiCl	1.4E+02	6.5E+01	83%	579780	546300	6.74E-06	435	11/04/1995	Morales et al., 2007
57	GW	Limestone	Karst	Boluntulo	Sinking stream	Olaide Sp.	Spring	2750	13215	LiCl	1.7E+02	8.8E+01	86%	808200	709200	4.67E-06	335	17/06/1996	Morales et al., 2007
58	GW	Limestone	Karst	Bollarko Errota	Sinking stream	Rekalde Sp.	Spring	1800	13700	LiCl	1.2E+03	2.2E+01	78%	135508	111000	1.62E-05	1401	12/04/2002	Morales et al., 2007
59	GW	Limestone	Karst	Bollarko Errota	Sinking stream	Rekalde Sp.	Spring	1800	13700	LiCl	8.8E+02	5.8E+00	15%	135480	118200	1.50E-05	1316	12/04/2002	Morales et al., 2007
60	GW	Limestone	Karst	Bollarko Errota	Sinking stream	Rekalde Sp.	Spring	1800	16500	LiCl	3.1E+03	1.0E+01	76%	187260	161400	1.50E-05	950	19/04/2002	Morales et al., 2007
61	GW	Limestone	Karst	Bollarko Errota	Sinking stream	Rekalde Sp.	Spring	1800	16500	LiCl	2.1E+03	2.5E-04	14%	203820	183000	1.37E-05	864	19/04/2002	Morales et al., 2007
62	GW	Limestone	Karst	Bollarko Errota	Sinking stream	Re													

103	GW	Limestone	Karst	Bassin de l'A75	Retention basin	Source de Boudoulou	Spring	5780		Uranine	172	60%	1209600	1010880	2.4E-06	494	14/06/2013	de la Bernardie, 2013		
104	GW	Limestone	Karst	Bassin de l'A75	Retention basin	Source de Boudoulou	Spring	5780		Uranine	118	29%	1736640	1632960	2.3E-06	306	24/07/2013	de la Bernardie, 2013		
105	GW	Limestone	Karst	St Etienne de Naucoules		Source de Dragonniere	Spring	2455		Sulfurhodamine B	118	23%	570240	544320	7.7E-06	390	23/04/2013	de la Bernardie, 2013		
106	GW	Limestone	Karst	St Etienne de Naucoules		Source de Dragonniere	Spring	2455		Uranine	118	6%	1294000	1200960	3.8E-07	177	25/07/2013	de la Bernardie, 2013		
107	GW	Limestone	Karst	Gouffre Cathy	Sinking stream	Montant Sp.	Spring	14400	6500	Uranine	2.0E+00	4.5E+03	11%	601200	450000	1.26E-05	2765	15/04/2000	Perrin and Luetscher, 2008	
108	GW	Limestone	Karst	Gouffre Combe Trébillé	Sinking stream	Montant Sp.	Spring	10500	5000	Sulfurhodamine G	2.7E+00	4.5E+03	17%	658800	428400	1.43E-05	2118	15/04/2000	Perrin and Luetscher, 2008	
109	GW	Limestone	Karst	Gouffre Masse	Sinking stream	Aubonne Sp.	Spring	27400	8000	Uranine	6.3E+00	1.8E+03	22%	813600	684000	6.26E-06	3461	20/04/2002	Perrin and Luetscher, 2008	
110	GW	Limestone	Karst	Gouffre Masse	Sinking stream	Tolèure Sp.	Spring	25600	8000	Uranine	5.6E+00	1.3E+03	35%	900000	790000	2.50E-06	2793	20/04/2002	Perrin and Luetscher, 2008	
111	GW	Limestone	Karst	Gouffre Masse	Sinking stream	Montant Sp.	Spring	17500	8000	Uranine	8.9E+00	1.5E+03	11%	925200	799200	1.18E-06	177	20/04/2002	Perrin and Luetscher, 2008	
112	GW	Limestone	Karst	Gouffre Dag's Bar	Sinking stream	Aubonne Sp.	Spring	23600	6000	Eosine	5.4E+00	1.8E+03	28%	763200	655200	5.63E-06	3112	20/04/2002	Perrin and Luetscher, 2008	
113	GW	Limestone	Karst	Gouffre Dag's Bar	Sinking stream	Tolèure Sp.	Spring	21800	6000	Eosine	5.1E+00	2.8E+03	42%	824400	630000	5.67E-06	2990	20/04/2002	Perrin and Luetscher, 2008	
114	GW	Limestone	Karst	Gouffre Dag's Bar	Sinking stream	Montant Sp.	Spring	13700	6000	Eosine	8.2E+00	1.5E+03	17%	903600	774000	1.21E-05	1529	20/04/2002	Perrin and Luetscher, 2008	
115	GW	Limestone	Karst	Gouffre Pierre-Pleines	Sinking stream	Aubonne Sp.	Spring	17000	10000	naphthionate	6.7E+00	1.8E+03	21%	860400	716400	5.58E-06	2050	20/04/2002	Perrin and Luetscher, 2008	
116	GW	Limestone	Karst	Gouffre Pierre-Pleines	Sinking stream	Tolèure Sp.	Spring	10000	10000	naphthionate	5.5E+00	1.3E+03	42%	1004000	763200	1.64E-06	1799	20/04/2002	Perrin and Luetscher, 2008	
117	GW	Limestone	Karst	Gouffre Trois Châlets	Sinking stream	Aubonne Sp.	Spring	18200	5000	Sulfurhodamine G	4.4E+00	1.8E+03	43%	964800	727200	3.58E-06	2162	20/04/2002	Perrin and Luetscher, 2008	
118	GW	Limestone	Karst	Gouffre Trois Châlets	Sinking stream	Tolèure Sp.	Spring	16300	5000	Sulfurhodamine G	4.3E+00	1.3E+03	50%	990000	774000	2.15E-06	1820	20/04/2002	Perrin and Luetscher, 2008	
119	GW	Limestone	Karst	Gouffre Trois Châlets	Sinking stream	Montant Sp.	Spring	4650	5000	Sulfurhodamine G	2.6E+02	9.0E+01	66%	457200	421200	6.98E-06	954	20/04/2002	Perrin and Luetscher, 2008	
120	GW	Limestone	Karst	SPI3	Sinking stream	Shuffling Sp.	Spring	200	200	Uranine	2.7E+02	5.0E+00	43%	57600	1.57E-05			19/09/1996	Wu et al., 2008	
121	GW	Limestone	Karst	Swallow hole 1	Sinking stream	Spring 1	Spring	3000	500	Uranine	2.2E+01	2.2E+02	73%	192000	1.93E-05			02/10/1995	Nguyet and Goldscheider, 2006	
122	GW	Limestone	Karst	Swallow hole 2	Sinking stream	Spring 2	Spring	1750	500	Rhodamine B	1.3E+03	7.0E+01	74%	10800	2.46E-04	14000			Nguyet and Goldscheider, 2006	
123	GW	Limestone	Karst	Jargeau	Sinking stream	Source du Bouillon	Spring	15000	1000	Uranine	5.7E-01	3.0E+02	2%	406800	359340	8.14E-06	3607		Joodi et al., 2010	
124	GW	Limestone	Karst	Jargeau	Sinking stream	Source du Bouillon	Spring	15000	2000	Uranine	3.9E-01	3.0E+02	1%	363600	308700	8.36E-06	4198		Joodi et al., 2010	
125	GW	Limestone	Karst	Jargeau	Sinking stream	Source du Bouillon	Spring	15000	2000	Uranine	5.6E-01	3.0E+02	1%	435600	376140	6.00E-06	3446		Joodi et al., 2010	
126	GW	Limestone	Karst	Jargeau	Sinking stream	Source du Bouillon	Spring	15000	1000	Uranine	7.0E-02	7.0E+02	1%	385200	313200	7.42E-06	4138		Joodi et al., 2010	
127	GW	Limestone	Karst	Jargeau	Sinking stream	Source du Bouillon	Spring	15000	1000	Uranine	1.0E-01	4.7E+02	1%	352800	284400	7.23E-06	4557		Joodi et al., 2010	
128	GW	Limestone	Karst	Perte et Fracas	Sinking stream	Source de la Fou de Sainte Anne d'Evenos	Spring	2400	10000	Aminocacide	5.1E+02	3.3E+02	100%	72240	1.69E-05	2870			Arfifi et al., 2011	
129	GW	Limestone	Karst	Lost River Blue Hole	Sinking stream	Lost River cave system	Spring	8000	476	Rhodamine WT	1.9E+01	1.8E+03	101%	84299	79200	6.85E-05	8727		Field and Pinsky, 2000	
130	GW	Limestone	Karst	Forge Valley swallow-holes	Sinking stream	Irton (PWS) new well (B) TA 004 840	Well	1950	286	Uranine	1.2E+03	1.7E-02	49%	15500	1409E-06	11232		21/05/2002	Foley, 2012	
131	GW	Limestone	Karst	Fourtilles swallow hole	Sinking stream	Uradouin Sp.	Spring	1000	1000	Uranine	2.6E+01	1.2E+02		173480	1.23E-04	0		29/06/2005	Perrin et al., 2008	
132	GW	Limestone	Karst	Timnaz	Sinking stream	Pont de Pierre Sp.	Spring	6250	773	Uranine	100%	1993680	1693400	1.87E-06	319	23/10/1983	Mondain, 1991			
133	GW	Limestone	Karst	Timnaz	Sinking stream	Pont de Pierre Sp.	Spring	6250	1016	Uranine	100%	240120	153700	1.79E-05	3513	24/09/1994	Mondain, 1991			
134	GW	Limestone	Karst	Ruisseau de Serre a Campagnac	Surface stream	Courtinaux 1	Spring	1638	100	Eosine gamma	4.1E-01	1.0E+02	65%	114840	90720	4.03E-05	1560	19/11/2002	PhRG 2006	
135	GW	Limestone	Karst	Bange l'Eau Morte karst system, France										3.2E-01		423648	5.34E-06		17/09/1996	Lepiller, 2001
136	GW	Limestone	Karst	Bange l'Eau Morte karst system, France										7.2E-01		151440	1.19E-05		02/10/1995	Lepiller, 2001
137	GW	Limestone	Karst	Bange l'Eau Morte karst system, France										8.5E-01		157104	1.29E-05		14/05/1992	Lepiller, 2001
138	GW	Limestone	Karst	Bange l'Eau Morte karst system, France										2.0E+02		61488	3.13E-05		04/06/1991	Lepiller, 2001
139	GW	Limestone	Karst	Bange l'Eau Morte karst system, France										5.8E+02		41724	4.70E-05		01/11/1990	Lepiller, 2001
140	GW	Limestone/Dolostone	Karst	Perte des Crozes	Sinking stream	Source de Lestang	Spring	2120	6000	Iodure de potassium	6.8E-01	2.0E+02	286%	407160	300000	1.17E-05	309	18/11/2003	PhRG 2006	
141	GW	Limestone/Dolostone	Karst	Aven d'Espare	Sinking stream	Fontaines d'Espare	Spring	1700	130	Uranine	1.3E-01	1.3E+01	2%	434160	367920	2.56E-05	399	06/05/2004	PhRG 2006	
142	GW	Limestone/Dolostone	Karst	Aven de Cassagnes	Sinking stream	Source de Mayrhain	Spring	1740	2500	Eosine gamma	4.4E+02	2.3E+02	111%	167400	91080	3.98E-05	1651	24/05/2004	PhRG 2006	
143	GW	Limestone/Dolostone	Karst	Perte de la fontaine de St Urbain	Sinking stream	Source de Beldioce	Spring	16631	1000	Sulfurhodamine G	8.1E-01	2.5E+02	10%	1377220	968040	1.75E-06	1484	22/11/2004	PhRG 2006	
144	GW	Limestone/Dolostone	Karst	Perte de la fontaine de St Urbain	Sinking stream	Source de Fontmaure	Spring	15776	1000	Sulfurhodamine G	1.8E-01	2.3E+02	2%	1685160	1241640	4.00E-07	2698	22/11/2004	PhRG 2006	
145	GW	Limestone/Dolostone	Karst	Perte du Souci	Sinking stream	Source de Roumeyrol	Spring	8650	500	Uranine	6.7E+00	2.5E+02	22%	317160	281160	3.69E-05	1058	18/11/2002	PhRG 2006	
146	GW	Limestone/Dolostone	Karst	Perte du Souci	Sinking stream	Source de Roumeyrol	Spring	250	250	Aminocacide	4.3E+02	2.5E+02	29%	81904	609780	1.56E-05	1082	15/07/2003	PhRG 2006	
147	GW	Limestone/Dolostone	Karst	Well	Well	Quarry Spring	Spring	450	0.7	Rhodamine WT	2.4E+00	1.4E+01	96%	37900	22500	4.94E-05	1728		Field and Pinsky, 2000	
148	GW	Limestone/Dolostone	Karst	Well	Well	Quarry Spring	Spring	450	717	Rhodamine WT	8.5E+01	2.3E+01	28%	27950	16200	9.74E-05	2400		Field and Pinsky, 2000	
149	GW	Chalk	Karst	Bébec sinkhole	Sinking stream	Hannetot	Spring	3300		Uranine	4.7E-01	94%	84960	81945	3.10E-05	3479	01/02/2000	Massie et al., 2006		
150	GW	Chalk	Karst	Bébec sinkhole	Sinking stream	Hannetot	Spring	3300		Uranine	3.4E-01	88%	110880	103425	2.56E-05	2757	01/10/1999	Massie et al., 2006		
151	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	9600	464		8.9E+01	1.2E+03	87%	11520	2.65E-04				Jobson, 1996 and references herein	
152	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	9600	464		2.9E+01	1.2E+03	76%	46800	9.90E-05	17723			Jobson, 1996 and references herein	
153	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	21500	464		5.0E+00	1.6E+03	43%	153000	3.99E-05	12141			Jobson, 1996 and references herein	
154	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	29600	464		2.2E+00	1.8E+03	32%	241200	2.68E-05	10603			Jobson, 1996 and references herein	
155	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	2600	2474		3.5E+02	5.1E+03	106%	4860	6.82E-04	46222			Jobson, 1996 and references herein	
156	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	2474	2474		4.9E+02	4.8E+03	102%	15800	2.86E-04	41891			Jobson, 1996 and references herein	
157	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	21500	2474		4.9E+01	7.4E+03	93%	57240	1.57E-04	32453			Jobson, 1996 and references herein	
158	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	29600	2474		2.4E+01	7.8E+03	66%	84240	1.16E-04	30359			Jobson, 1996 and references herein	
159	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	42200	2474		1.4E+01	8.5E+03	61%	119520	7.62E-05	30506			Jobson, 1996 and references herein	
160	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	49200	2474		8.5E+00	1.0E-04	49%	136800	7.16E-05	31074			Jobson, 1996 and references herein	
161	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	59200	2474		4.3E+00	1.8E+03	47%	155880	6.61E-05	32813			Jobson, 1996 and references herein	
162	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	66800	2474		5.1E+00	1.3E-04	44%	170640	6.01E-05	33823			Jobson, 1996 and references herein	
163	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	2600	928		1.1E+02	2.4E+03	102%	9720	2.90E-04	23111			Jobson, 1996 and references herein	
164	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	9600	928		5.0E+01	2.4E+03	93%	34200	1.38E-04	24253			Jobson, 1996 and references herein	
165	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	21500	928		1.1E+01	3.4E+03	63%	9640	6.58E-05	18832			Jobson, 1996 and references herein	
166	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	928	1546		1.9E+00	5.6E+03	92%	144360	5.61E-05	17116			Jobson, 1996 and references herein	
167	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	12600	1546		2.2E+01	4.5E+03	69%	49680	9.32E-05	21913			Jobson, 1996 and references herein	
168	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	19600	1546		1.3E+01	5.3E+03	66%	76320	6.85E-05	22189			Jobson, 1996 and references herein	
169	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	29600	1546		8.2E+00	6.4E+03	63%	104400	5.44E-05	24497			Jobson, 1996 and references herein	
170	SW	Surface stream	Antietam Creek	Antietam Creek	Surface stream	Antietam Creek	Spring	37100	1546		7.8E+00	6.5E+03	56%	123120						

207	SW	Surface stream	Chattahoochee River	Surface stream	Chattahoochee River	Surface stream	16000	7813	1.1E+01	1.4E+05	70%	17388	2.86E-04	79503	Jobson, 1996 and references herein
208	SW	Surface stream	Chattahoochee River	Surface stream	Chattahoochee River	Surface stream	27900	7813	8.4E+00	1.8E+05	105%	29088	1.83E-04	82871	Jobson, 1996 and references herein
209	SW	Surface stream	Chattahoochee River	Surface stream	Chattahoochee River	Surface stream	36500	7813	7.3E+00	1.7E+05	97%	37188	1.69E-04	84802	Jobson, 1996 and references herein
210	SW	Surface stream	Chattahoochee River	Surface stream	Chattahoochee River	Surface stream	46800	7813	7.0E+00	1.6E+05	100%	34560	1.17E-04	80432	Jobson, 1996 and references herein
211	SW	Surface stream	Chattahoochee River	Surface stream	Chattahoochee River	Surface stream	57100	7813	4.4E+00	1.1E+05	74%	71388	8.10E-05	69107	Jobson, 1996 and references herein
212	SW	Surface stream	Chattahoochee River	Surface stream	Chattahoochee River	Surface stream	60500	7813	3.9E+00	1.1E+05	84%	77400	6.39E-05	67335	Jobson, 1996 and references herein
213	SW	Surface stream	Chattahoochee River	Surface stream	Chattahoochee River	Surface stream	76600	7813	3.2E+00	1.1E+05	93%	103752	4.73E-05	63789	Jobson, 1996 and references herein
214	SW	Surface stream	Chattahoochee River	Surface stream	Chattahoochee River	Surface stream	10500	6218	1.6E+01	1.4E+05	88%	9360	4.03E-04	96923	Jobson, 1996 and references herein
215	SW	Surface stream	Chattahoochee River	Surface stream	Chattahoochee River	Surface stream	10500	6218	7.0E+00	1.4E+05	100%	34560	1.60E-04	75200	Jobson, 1996 and references herein
216	SW	Surface stream	Chattahoochee River	Surface stream	Chattahoochee River	Surface stream	65400	6218	3.9E+00	1.4E+05	98%	79776	8.87E-05	70830	Jobson, 1996 and references herein
217	SW	Surface stream	Chattahoochee River	Surface stream	Chattahoochee River	Surface stream	104600	6218	2.2E+00	1.4E+05	98%	137988	4.94E-05	65494	Jobson, 1996 and references herein
218	SW	Surface stream	Salt Creek	Surface stream	Salt Creek	Surface stream	9300	910	5.2E+01	2.5E+03	82%	27900	1.74E-04	28800	Jobson, 1996 and references herein
219	SW	Surface stream	Salt Creek	Surface stream	Salt Creek	Surface stream	13300	910	1.4E+01	2.6E+03	84%	45000	1.15E-04	29376	Jobson, 1996 and references herein
220	SW	Surface stream	Salt Creek	Surface stream	Salt Creek	Surface stream	13300	910	1.4E+01	3.0E+03	65%	90000	7.06E-05	30048	Jobson, 1996 and references herein
221	SW	Surface stream	Salt Creek	Surface stream	Salt Creek	Surface stream	44600	910	8.2E+00	3.0E+03	57%	135000	4.71E-05	28544	Jobson, 1996 and references herein
222	SW	Surface stream	Salt Creek	Surface stream	Salt Creek	Surface stream	51800	910	3.8E+00	4.1E+03	51%	172800	3.38E-05	25900	Jobson, 1996 and references herein
223	SW	Surface stream	Difficult Run	Surface stream	Difficult Run	Surface stream	600	24	1.1E+01	1.0E+03	103%	4320	4.64E-04	12000	Jobson, 1996 and references herein
224	SW	Surface stream	Difficult Run	Surface stream	Difficult Run	Surface stream	2200	24	5.5E+00	1.0E+03	97%	13680	2.34E-04	13895	Jobson, 1996 and references herein
225	SW	Surface stream	Difficult Run	Surface stream	Difficult Run	Surface stream	3200	24	4.1E+00	1.1E+03	107%	23220	1.74E-04	12387	Jobson, 1996 and references herein
226	SW	Surface stream	Bear Creek	Surface stream	Bear Creek	Surface stream	1100	101	4.1E+01	1.0E+04	96%	792	4.35E-03	120000	Jobson, 1996 and references herein
227	SW	Surface stream	Bear Creek	Surface stream	Bear Creek	Surface stream	6000	101	8.7E+00	1.0E+04	69%	6768	1.31E-03	76596	Jobson, 1996 and references herein
228	SW	Surface stream	Bear Creek	Surface stream	Bear Creek	Surface stream	10900	101	6.5E+00	1.1E+04	65%	12960	1.04E-03	72667	Jobson, 1996 and references herein
229	SW	Surface stream	LtI Piny Creek	Surface stream	LtI Piny Creek	Surface stream	600	48	2.9E+01	1.4E+03	97%	3060	8.73E-04	16841	Jobson, 1996 and references herein
230	SW	Surface stream	LtI Piny Creek	Surface stream	LtI Piny Creek	Surface stream	3200	48	4.5E+00	1.4E+03	95%	18360	1.38E-04	16000	Jobson, 1996 and references herein
231	SW	Surface stream	LtI Piny Creek	Surface stream	LtI Piny Creek	Surface stream	5200	48	3.1E+00	1.6E+03	99%	26640	1.06E-04	16865	Jobson, 1996 and references herein
232	SW	Surface stream	LtI Piny Creek	Surface stream	LtI Piny Creek	Surface stream	7300	48	2.3E+00	1.6E+03	100%	43200	7.51E-05	14600	Jobson, 1996 and references herein
233	SW	Surface stream	Bayou Anacosa	Surface stream	Bayou Anacosa	Surface stream	11400	953	3.5E+01	2.0E+03	90%	72000	8.11E-05	13680	Jobson, 1996 and references herein
234	SW	Surface stream	Bayou Anacosa	Surface stream	Bayou Anacosa	Surface stream	22200	953	1.3E+01	2.6E+03	82%	154800	4.28E-05	12949	Jobson, 1996 and references herein
235	SW	Surface stream	Bayou Anacosa	Surface stream	Bayou Anacosa	Surface stream	953	953	1.4E+01	2.7E+03	75%	189720	3.96E-05	13571	Jobson, 1996 and references herein
236	SW	Surface stream	Bayou Anacosa	Surface stream	Bayou Anacosa	Surface stream	38000	953	7.9E+00	2.7E+03	61%	247320	3.68E-05	13275	Jobson, 1996 and references herein
237	SW	Surface stream	Comite River	Surface stream	Comite River	Surface stream	6800	1668	1.9E+02	8.0E+02	123%	85320	7.61E-05	6886	Jobson, 1996 and references herein
238	SW	Surface stream	Comite River	Surface stream	Comite River	Surface stream	26900	1668	3.2E+01	9.0E+02	60%	313920	2.89E-05	7404	Jobson, 1996 and references herein
239	SW	Surface stream	Comite River	Surface stream	Comite River	Surface stream	48000	1668	1.9E+01	1.0E+03	44%	392400	2.61E-05	10569	Jobson, 1996 and references herein
240	SW	Surface stream	Comite River	Surface stream	Comite River	Surface stream	1668	1668	4.8E+01	1.8E+03	81%	449280	2.28E-05	13184	Jobson, 1996 and references herein
241	SW	Surface stream	Comite River	Surface stream	Comite River	Surface stream	78900	1668	7.2E+01	1.0E+03	24%	507600	1.81E-05	13430	Jobson, 1996 and references herein
242	SW	Surface stream	Bayou Bartholomew	Surface stream	Bayou Bartholomew	Surface stream	3200	2817	8.2E+01	4.1E+03	81%	20700	1.47E-04	13357	Jobson, 1996 and references herein
243	SW	Surface stream	Bayou Bartholomew	Surface stream	Bayou Bartholomew	Surface stream	25700	2817	1.4E+01	4.8E+03	84%	221400	2.89E-05	10029	Jobson, 1996 and references herein
244	SW	Surface stream	Bayou Bartholomew	Surface stream	Bayou Bartholomew	Surface stream	59500	2817	6.8E+00	6.5E+03	84%	442800	1.85E-05	11610	Jobson, 1996 and references herein
245	SW	Surface stream	Bayou Bartholomew	Surface stream	Bayou Bartholomew	Surface stream	117000	2817	4.3E+00	8.1E+03	85%	844200	6.60E-06	10000	Jobson, 1996 and references herein
246	SW	Surface stream	Amite River	Surface stream	Amite River	Surface stream	10100	4288	4.0E+01	5.7E+03	82%	50040	6.49E-05	17439	Jobson, 1996 and references herein
247	SW	Surface stream	Amite River	Surface stream	Amite River	Surface stream	38800	4288	5.1E+00	7.4E+03	51%	206100	1.70E-05	16266	Jobson, 1996 and references herein
248	SW	Surface stream	Amite River	Surface stream	Amite River	Surface stream	94100	4288	2.4E+00	9.9E+03	34%	386280	1.61E-05	21048	Jobson, 1996 and references herein
249	SW	Surface stream	Amite River	Surface stream	Amite River	Surface stream	148100	4288	1.9E+00	9.9E+03	42%	447300	9.30E-06	28607	Jobson, 1996 and references herein
250	SW	Surface stream	Tickfau River	Surface stream	Tickfau River	Surface stream	6500	1191	1.1E+01	2.0E+03	83%	40320	1.02E-04	13714	Jobson, 1996 and references herein
251	SW	Surface stream	Tickfau River	Surface stream	Tickfau River	Surface stream	22500	1191	1.5E+01	2.2E+03	76%	195120	3.69E-05	9963	Jobson, 1996 and references herein
252	SW	Surface stream	Tickfau River	Surface stream	Tickfau River	Surface stream	38600	1191	1.0E+01	1.9E+03	56%	313200	2.86E-05	10648	Jobson, 1996 and references herein
253	SW	Surface stream	Tickfau River	Surface stream	Tickfau River	Surface stream	49900	1191	8.8E+00	2.9E+03	78%	378000	2.73E-05	11406	Jobson, 1996 and references herein
254	SW	Surface stream	Tangipahoa River	Surface stream	Tangipahoa River	Surface stream	8200	4764	1.2E+02	5.8E+03	119%	35100	1.27E-04	20185	Jobson, 1996 and references herein
255	SW	Surface stream	Tangipahoa River	Surface stream	Tangipahoa River	Surface stream	4764	4764	6.2E+01	9.8E+03	137%	76680	1.09E-04	20282	Jobson, 1996 and references herein
256	SW	Surface stream	Tangipahoa River	Surface stream	Tangipahoa River	Surface stream	41500	4764	2.3E+01	1.2E+04	105%	126000	5.57E-05	28457	Jobson, 1996 and references herein
257	SW	Surface stream	Tangipahoa River	Surface stream	Tangipahoa River	Surface stream	55400	4764	1.8E+01	1.2E+04	95%	162000	5.08E-05	29547	Jobson, 1996 and references herein
258	SW	Surface stream	Tangipahoa River	Surface stream	Tangipahoa River	Surface stream	71000	4764	1.4E+01	1.4E+04	105%	204480	4.12E-05	30000	Jobson, 1996 and references herein
259	SW	Surface stream	Tangipahoa River	Surface stream	Tangipahoa River	Surface stream	82100	4764	9.7E+00	1.8E+04	89%	237600	4.06E-05	28655	Jobson, 1996 and references herein
260	SW	Surface stream	Tangipahoa River	Surface stream	Tangipahoa River	Surface stream	82100	4764	8.8E+00	1.8E+04	89%	237600	4.06E-05	28655	Jobson, 1996 and references herein
261	SW	Surface stream	Tangipahoa River	Surface stream	Tangipahoa River	Surface stream	8200	3811	3.8E+01	3.5E+03	102%	49500	7.44E-05	14313	Jobson, 1996 and references herein
262	SW	Surface stream	Tangipahoa River	Surface stream	Tangipahoa River	Surface stream	18000	3811	4.2E+01	4.6E+03	97%	108000	5.15E-05	14400	Jobson, 1996 and references herein
263	SW	Surface stream	Tangipahoa River	Surface stream	Tangipahoa River	Surface stream	41500	3811	1.6E+01	6.9E+03	80%	169200	3.69E-05	21191	Jobson, 1996 and references herein
264	SW	Surface stream	Tangipahoa River	Surface stream	Tangipahoa River	Surface stream	55400	3811	1.3E+01	8.1E+03	86%	212400	3.27E-05	22536	Jobson, 1996 and references herein
265	SW	Surface stream	Tangipahoa River	Surface stream	Tangipahoa River	Surface stream	71000	3811	1.1E+01	8.6E+03	87%	246600	3.32E-05	23184	Jobson, 1996 and references herein
266	SW	Surface stream	Tangipahoa River	Surface stream	Tangipahoa River	Surface stream	82100	3811	8.6E+00	9.0E+03	66%	298800	3.08E-05	23740	Jobson, 1996 and references herein
267	SW	Surface stream	Tangipahoa River	Surface stream	Tangipahoa River	Surface stream	94000	3811	7.3E+00	1.1E+04	70%	347400	2.99E-05	23378	Jobson, 1996 and references herein
268	SW	Surface stream	Red River	Surface stream	Red River	Surface stream	5700	23440	2.1E+01	2.4E+05	74%	9000	2.90E-04	54720	Jobson, 1996 and references herein
269	SW	Surface stream	Red River	Surface stream	Red River	Surface stream	75600	23440	4.0E+00	2.5E+05	74%	120600	5.66E-05	94161	Jobson, 1996 and references herein
270	SW	Surface stream	Red River	Surface stream	Red River	Surface stream	23440	23440	2.3E+01	2.4E+05	74%	9000	2.90E-04	53120	Jobson, 1996 and references herein
271	SW	Surface stream	Red River	Surface stream	Red River	Surface stream	193100	23440	1.5E+00	2.5E+05	59%	333000	2.72E-05	50102	Jobson, 1996 and references herein
272	SW	Surface stream	Red River	Surface stream	Red River	Surface stream	8000	13673	2.1E+01	1.4E+05	120%	12060	1.78E-04	57313	Jobson, 1996 and references herein
273	SW	Surface stream	Red River	Surface stream	Red River	Surface stream	54700	13673	3.2E+00	1.4E+05	81%	115200	4.08E-05	41025	Jobson, 1996 and references herein
274	SW	Surface stream	Red River	Surface stream	Red River	Surface stream	103000	13673	2.6E+00	1.7E+05	85%	187200	3.76E-05	47538	Jobson, 1996 and references herein
275	SW	Surface stream	Red River	Surface stream	Red River	Surface stream	159300	13673	1.5E+00	1.8E+05	77%	315000	2.63E-05	43694	Jobson, 1996 and references herein
276	SW	Surface stream	Red River	Surface stream	Red River	Surface stream	8000	18199	2.2E+01	1.9E+05	134%	17100	1.72E-04	40421	Jobson, 1996 and references herein
277	SW	Surface stream	Red River	Surface stream	Red River	Surface stream	54700	18199	4.6E+00	1.9E+05	104%	120600	4.54E-05	39188	Jobson, 1996 and references herein
278	SW	Surface stream	Red River	Surface stream	Red River	Surface stream	103000	18199	2.7E+00	2.4E+05	92%	195300	3.76E-05	45567	Jobson, 1996 and references herein
279	SW	Surface stream	Red River	Surface stream	Red River	Surface stream	159300	18199	1.7E+00	2.5E+05	85%	306900	2.77E-05	44847	Jobson, 1996 and references herein
280	SW	Surface stream	Red River	Surface stream	Red River	Surface stream	12100	18199	6.2E+01	1.1E+05	87%	25200	1.82E-04	11486	Jobson, 1996 and references herein
281	SW	Surface stream	Red River	Surface stream	Red River	Surface stream	82100	18199	5.5E+00	1.1E+05	76%	162000	4.52E-05	43787	Jobson, 1996 and references herein
282	SW	Surface stream	Red River	Surface stream	Red River	Surface stream	18199	18199	2.6E+00	1.4E+05	62%	286200	3.13E-05	42023	Jobson, 1996 and references herein
283	SW	Surface stream	Red River	Surface stream	Red River	Surface stream	199600	18199	2.4E+00	1.7E+05	82%	439200	2.66E-05	39266	Jobson, 1996 and references herein
284	SW	Surface stream	Sabine River	Surface stream	Sabine River	Surface stream	7900	4621	1.0E+01	1.3E+05	82%	9000	3.51E-04	57840	Jobson, 1996 and references herein
285	SW	Surface stream	Sabine River	Surface stream	Sabine River	Surface stream	17200	4621	1.1E+01	1.4E+05					

311	SW	Surface stream	Mississippi River	Surface stream	Mississippi River	Surface stream	54700	108960	3.7E+00	6.8E-06	97%	36900	2.38E-04	128078	Jobson, 1996 and references herein
312	SW	Surface stream	Mississippi River	Surface stream	Mississippi River	Surface stream	96600	108960	1.7E+00	6.8E-06	84%	63900	1.23E-04	130614	Jobson, 1996 and references herein
313	SW	Surface stream	Mississippi River	Surface stream	Mississippi River	Surface stream	118000	108960	1.0E+00	6.8E-06	111%	82900	5.63E-05	121310	Jobson, 1996 and references herein
314	SW	Surface stream	Mississippi River	Surface stream	Mississippi River	Surface stream	204500	108960	3.4E+01	6.8E-06	59%	195300	3.62E-05	130296	Jobson, 1996 and references herein
315	SW	Surface stream	Wind/Bighorn River	Surface stream	Wind/Bighorn River	Surface stream	9200	3904	2.6E+01	5.5E-04	107%	9900	3.46E-04	80291	Jobson, 1996 and references herein
316	SW	Surface stream	Wind/Bighorn River	Surface stream	Wind/Bighorn River	Surface stream	32700	3904	1.2E+01	5.5E-04	93%	33768	1.79E-04	83667	Jobson, 1996 and references herein
317	SW	Surface stream	Wind/Bighorn River	Surface stream	Wind/Bighorn River	Surface stream	50400	3904	8.3E+00	5.7E-04	91%	59868	1.32E-04	72736	Jobson, 1996 and references herein
318	SW	Surface stream	Wind/Bighorn River	Surface stream	Wind/Bighorn River	Surface stream	75300	3904	6.1E+00	5.7E-04	84%	90000	1.05E-04	72288	Jobson, 1996 and references herein
319	SW	Surface stream	Wind/Bighorn River	Surface stream	Wind/Bighorn River	Surface stream	99900	3904	5.1E+00	5.7E-04	83%	117468	9.17E-05	72478	Jobson, 1996 and references herein
320	SW	Surface stream	Wind/Bighorn River	Surface stream	Wind/Bighorn River	Surface stream	141900	3904	4.3E+00	5.7E-04	77%	160200	8.14E-05	76530	Jobson, 1996 and references herein
321	SW	Surface stream	Wind/Bighorn River	Surface stream	Wind/Bighorn River	Surface stream	181400	3904	3.0E+00	6.9E-04	75%	201600	7.10E-05	77743	Jobson, 1996 and references herein
322	SW	Surface stream	Wind/Bighorn River	Surface stream	Wind/Bighorn River	Surface stream	9200	3700	1.2E+01	2.3E-05	112%	5184	6.60E-04	153333	Jobson, 1996 and references herein
323	SW	Surface stream	Wind/Bighorn River	Surface stream	Wind/Bighorn River	Surface stream	32700	3700	5.8E+00	2.4E-05	112%	17568	3.27E-04	160820	Jobson, 1996 and references herein
324	SW	Surface stream	Wind/Bighorn River	Surface stream	Wind/Bighorn River	Surface stream	50400	3700	2.9E+00	2.4E-05	83%	32112	2.24E-04	139513	Jobson, 1996 and references herein
325	SW	Surface stream	Wind/Bighorn River	Surface stream	Wind/Bighorn River	Surface stream	75300	3700	2.0E+00	2.2E-05	80%	48600	1.52E-04	133867	Jobson, 1996 and references herein
326	SW	Surface stream	Wind/Bighorn River	Surface stream	Wind/Bighorn River	Surface stream	99900	3700	1.5E+00	2.2E-05	68%	65088	1.30E-04	132611	Jobson, 1996 and references herein
327	SW	Surface stream	Wind/Bighorn River	Surface stream	Wind/Bighorn River	Surface stream	141900	3700	1.2E+00	2.2E-05	57%	93600	1.23E-04	130985	Jobson, 1996 and references herein
328	SW	Surface stream	Wind/Bighorn River	Surface stream	Wind/Bighorn River	Surface stream	181400	3700	8.2E-01	2.5E-05	52%	139412	1.09E-04	131251	Jobson, 1996 and references herein
329	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	200	67000	3.9E+05	1.6E+03	104%	504	4.26E-03	34286	Jobson, 1996 and references herein
330	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	1000	67000	2.1E+04	1.6E+03	96%	3168	5.30E-04	27273	Jobson, 1996 and references herein
331	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	1700	67000	1.4E+04	1.6E+03	84%	5400	3.93E-04	27200	Jobson, 1996 and references herein
332	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	2400	67000	1.2E+04	1.6E+03	89%	7344	3.32E-04	28235	Jobson, 1996 and references herein
333	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	3300	67000	9.0E+03	1.6E+03	91%	12096	2.38E-04	25571	Jobson, 1996 and references herein
334	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	4100	67000	7.6E+03	1.6E+03	128%	15336	1.43E-04	23009	Jobson, 1996 and references herein
335	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	700	744000	1.4E+05	1.1E+04	105%	1692	1.97E-03	35745	Jobson, 1996 and references herein
336	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	1600	744000	8.7E+04	9.1E+03	111%	4500	1.05E-03	30720	Jobson, 1996 and references herein
337	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	2500	744000	5.2E+04	9.5E+03	106%	6840	6.28E-04	33333	Jobson, 1996 and references herein
338	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	3600	744000	4.2E+04	1.1E+04	120%	9540	4.97E-04	26204	Jobson, 1996 and references herein
339	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	4700	744000	2.9E+04	1.1E+04	111%	13824	3.18E-04	23925	Jobson, 1996 and references herein
340	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	5900	744000	1.6E+04	9.8E+03	108%	20520	1.95E-04	24842	Jobson, 1996 and references herein
341	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	700	64000	4.7E+04	6.0E+03	90%	6264	8.29E-04	9655	Jobson, 1996 and references herein
342	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	2200	64000	1.3E+04	1.0E+03	77%	13824	2.64E-04	13750	Jobson, 1996 and references herein
343	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	3300	64000	7.6E+03	1.0E+03	59%	20700	1.99E-04	13774	Jobson, 1996 and references herein
344	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	4500	64000	6.0E+03	1.0E+03	65%	26532	1.58E-04	13781	Jobson, 1996 and references herein
345	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	6500	64000	5.6E+03	1.1E+03	74%	35100	1.30E-04	16000	Jobson, 1996 and references herein
346	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	8400	64000	3.6E+03	1.1E+03	52%	43848	1.18E-04	16552	Jobson, 1996 and references herein
347	SW	Surface stream	Powell River	Surface stream	Powell River	Surface stream	1000	260000	2.3E+04	4.1E+03	86%	5256	4.18E-04	16438	Jobson, 1996 and references herein
348	SW	Surface stream	Powell River	Surface stream	Powell River	Surface stream	1700	260000	1.6E+04	4.6E+03	116%	10512	2.46E-04	13973	Jobson, 1996 and references herein
349	SW	Surface stream	Powell River	Surface stream	Powell River	Surface stream	2600	260000	1.0E+03	4.8E+03	80%	17568	1.40E-04	13920	Jobson, 1996 and references herein
350	SW	Surface stream	Powell River	Surface stream	Powell River	Surface stream	4800	260000	5.6E+03	3.9E+03	93%	27360	9.00E-05	15158	Jobson, 1996 and references herein
351	SW	Surface stream	Powell River	Surface stream	Powell River	Surface stream	6200	260000	4.0E+03	4.0E+03	71%	35676	8.70E-05	15015	Jobson, 1996 and references herein
352	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	900	377000	4.7E+04	5.8E+03	77%	3348	9.50E-04	23226	Jobson, 1996 and references herein
353	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	1900	377000	1.9E+04	6.1E+03	73%	7200	4.35E-04	22800	Jobson, 1996 and references herein
354	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	2700	377000	1.5E+04	5.9E+03	78%	13140	2.22E-04	21609	Jobson, 1996 and references herein
355	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	4500	377000	6.5E+03	5.7E+03	68%	17460	1.44E-04	22268	Jobson, 1996 and references herein
356	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	5600	377000	4.4E+03	5.1E+03	57%	27144	1.04E-04	17825	Jobson, 1996 and references herein
357	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	6600	377000	3.5E+03	5.9E+03	62%	33624	8.70E-05	16959	Jobson, 1996 and references herein
358	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	200	450000	5.8E+05	7.1E+03	113%	252	8.08E-03	68571	Jobson, 1996 and references herein
359	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	4500	450000	1.0E+05	7.8E+03	121%	1260	1.48E-03	68571	Jobson, 1996 and references herein
360	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	1700	450000	5.8E+04	7.9E+03	116%	2340	8.76E-04	62769	Jobson, 1996 and references herein
361	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	2400	450000	4.0E+04	7.6E+03	99%	3240	6.86E-04	64000	Jobson, 1996 and references herein
362	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	3300	450000	2.6E+04	8.1E+03	93%	5148	4.94E-04	55385	Jobson, 1996 and references herein
363	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	4100	450000	2.1E+04	8.7E+03	90%	6228	4.50E-04	56879	Jobson, 1996 and references herein
364	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	700	377000	4.8E+05	1.0E+04	105%	648	7.18E-03	83333	Jobson, 1996 and references herein
365	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	1600	377000	1.6E+05	1.1E+05	171%	1368	2.58E-03	101053	Jobson, 1996 and references herein
366	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	2500	377000	1.6E+05	1.0E+05	207%	2304	2.18E-03	93750	Jobson, 1996 and references herein
367	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	3600	377000	9.2E+04	1.1E+05	157%	3312	1.71E-03	93913	Jobson, 1996 and references herein
368	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	4700	377000	5.2E+04	1.1E+05	126%	4644	1.14E-03	87442	Jobson, 1996 and references herein
369	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	5900	377000	4.3E+04	1.0E+05	159%	6012	7.30E-04	84780	Jobson, 1996 and references herein
370	SW	Surface stream	Coachella Canal	Surface stream	Coachella Canal	Surface stream	300	1580000	8.8E+05	2.6E+04	86%	396	1.66E-02	65455	Jobson, 1996 and references herein
371	SW	Surface stream	Coachella Canal	Surface stream	Coachella Canal	Surface stream	900	1580000	5.2E+05	2.5E+04	118%	1260	7.10E-03	61714	Jobson, 1996 and references herein
372	SW	Surface stream	Coachella Canal	Surface stream	Coachella Canal	Surface stream	1800	1580000	3.2E+05	2.5E+04	129%	2556	4.01E-03	60845	Jobson, 1996 and references herein
373	SW	Surface stream	Coachella Canal	Surface stream	Coachella Canal	Surface stream	2700	1580000	2.0E+05	2.6E+04	110%	3780	3.01E-03	61714	Jobson, 1996 and references herein
374	SW	Surface stream	Coachella Canal	Surface stream	Coachella Canal	Surface stream	4500	1580000	7.2E+04	2.8E+04	85%	7776	1.38E-03	61111	Jobson, 1996 and references herein
375	SW	Surface stream	Coachella Canal	Surface stream	Coachella Canal	Surface stream	300	1210000	7.4E+05	2.7E+04	150%	396	1.09E-02	65455	Jobson, 1996 and references herein
376	SW	Surface stream	Coachella Canal	Surface stream	Coachella Canal	Surface stream	900	1210000	2.8E+05	2.7E+04	94%	1188	6.76E-03	65455	Jobson, 1996 and references herein
377	SW	Surface stream	Coachella Canal	Surface stream	Coachella Canal	Surface stream	1800	1210000	1.4E+05	2.7E+04	115%	3780	2.64E-03	41143	Jobson, 1996 and references herein
378	SW	Surface stream	Coachella Canal	Surface stream	Coachella Canal	Surface stream	2700	1210000	8.4E+04	2.7E+04	98%	5544	1.89E-03	42078	Jobson, 1996 and references herein
379	SW	Surface stream	Coachella Canal	Surface stream	Coachella Canal	Surface stream	4000	1210000	4.4E+04	2.7E+04	77%	7704	1.28E-03	44860	Jobson, 1996 and references herein
380	SW	Surface stream	Coachella Canal	Surface stream	Coachella Canal	Surface stream	5500	1210000	1.8E+04	2.7E+04	92%	26820	4.46E-04	17718	Jobson, 1996 and references herein
381	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	700	2450000	4.0E+05	8.6E+04	198%	576	7.05E-03	105000	Jobson, 1996 and references herein
382	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	1600	2450000	1.9E+05	8.0E+04	204%	1548	2.98E-03	89302	Jobson, 1996 and references herein
383	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	2500	2450000	1.2E+05	8.9E+04	219%	2736	1.95E-03	78947	Jobson, 1996 and references herein
384	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	3600	2450000	8.5E+04	8.7E-04	212%	4104	1.42E-03	75789	Jobson, 1996 and references herein
385	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	4700	2450000	5.6E+04	8.4E-04	199%	5004	9.70E-04	81151	Jobson, 1996 and references herein
386	SW	Surface stream	Clinch River	Surface stream	Clinch River	Surface stream	5900	2450000	3.1E+04	8.5E-04	190%	7596	5.59E-04	67109	Jobson, 1996 and references herein
387	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	200	112000	3.4E+05	1.8E+03	100%	612	5.45E-03	28235	Jobson, 1996 and references herein
388	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	1000	112000	3.9E+04	1.8E+03	100%	3240	6.30E-04	26667	Jobson, 1996 and references herein
389	SW	Surface stream	Copper Creek	Surface stream	Copper Creek	Surface stream	2000	112000	4.8E+04	1.8E+03	170%	6480	4.50E-04	26842	Jobson, 1996 and references herein
390	SW	Surface stream	Copper Creek												

415	SW	Surface stream	Monocacy River	Surface stream	Monocacy River	Surface stream	18300	1237	0.0E+00	2.0E+03	194400	1.53E-05	8133	Jobson, 1996 and references herein
416	SW	Surface stream	Monocacy River	Surface stream	Monocacy River	Surface stream	26800	1237	0.0E+00	2.3E+03	273600	8.80E-06	8463	Jobson, 1996 and references herein
417	SW	Surface stream	Souris River	Surface stream	Souris River	Surface stream	2700	222	8.4E+00	4.0E+02	168300	1.38E-05	1386	Jobson, 1996 and references herein
418	SW	Surface stream	Souris River	Surface stream	Souris River	Surface stream	2800	222	5.9E+00	4.0E+02	234900	1.34E-05	1471	Jobson, 1996 and references herein
419	SW	Surface stream	Souris River	Surface stream	Souris River	Surface stream	1800	168	1.6E+01	3.0E+02	83700	3.70E-05	1858	Jobson, 1996 and references herein
420	SW	Surface stream	Souris River	Surface stream	Souris River	Surface stream	3200	168	1.2E+01	3.0E+02	179100	2.97E-05	1544	Jobson, 1996 and references herein
421	SW	Surface stream	Souris River	Surface stream	Souris River	Surface stream	2100	168	1.3E+01	6.0E+02	61200	5.55E-05	2965	Jobson, 1996 and references herein
422	SW	Surface stream	Souris River	Surface stream	Souris River	Surface stream	14600	168	3.8E+00	9.0E+02	215100	2.59E-05	5864	Jobson, 1996 and references herein
423	SW	Surface stream	Souris River	Surface stream	Souris River	Surface stream	1400	173	5.6E+01	1.8E+03	20700	1.45E-04	5843	Jobson, 1996 and references herein
424	SW	Surface stream	Souris River	Surface stream	Souris River	Surface stream	6400	173	1.4E+01	7.0E+02	83988	7.27E-05	6584	Jobson, 1996 and references herein
425	SW	Surface stream	Souris River	Surface stream	Souris River	Surface stream	14200	173	8.3E+00	8.0E+02	160200	5.14E-05	7658	Jobson, 1996 and references herein
426	SW	Surface stream	Souris River	Surface stream	Souris River	Surface stream	1600	182	2.2E+01	1.3E+03	17100	1.77E-04	8084	Jobson, 1996 and references herein
427	SW	Surface stream	Souris River	Surface stream	Souris River	Surface stream	10500	182	5.1E+00	1.3E+03	125100	4.26E-05	7252	Jobson, 1996 and references herein
428	SW	Surface stream	New River	Surface stream	New River	Surface stream	2100	400	3.1E+02	1.0E+02	48600	6.05E-05	4622	Jobson, 1996 and references herein
429	SW	Surface stream	New River	Surface stream	New River	Surface stream	13500	400	5.0E+01	1.0E+02	259200	1.61E-05	4500	Jobson, 1996 and references herein
430	SW	Surface stream	Flint River	Surface stream	Flint River	Surface stream	4200	1800	1.5E+02	1.5E+03	19188	2.26E-04	18912	Jobson, 1996 and references herein
431	SW	Surface stream	Flint River	Surface stream	Flint River	Surface stream	18300	1800	1.9E+01	3.9E+03	94968	2.78E-05	16649	Jobson, 1996 and references herein
432	SW	Surface stream	Flint River	Surface stream	Flint River	Surface stream	35900	1800	1.2E+01	5.2E+03	177840	3.14E-05	17441	Jobson, 1996 and references herein
433	SW	Surface stream	Flint River	Surface stream	Flint River	Surface stream	64500	1800	6.1E+00	6.3E+03	274888	1.88E-05	20083	Jobson, 1996 and references herein
434	SW	Surface stream	Flint River	Surface stream	Flint River	Surface stream	500	360	6.9E+01	2.2E+03	5292	6.24E-04	8163	Jobson, 1996 and references herein
435	SW	Surface stream	Flint River	Surface stream	Flint River	Surface stream	1700	360	1.3E+01	2.3E+03	19728	1.05E-04	7445	Jobson, 1996 and references herein
436	SW	Surface stream	Flint River	Surface stream	Flint River	Surface stream	3500	360	2.7E+00	2.4E+03	74988	1.75E-05	4073	Jobson, 1996 and references herein
437	SW	Surface stream	Flint River	Surface stream	Flint River	Surface stream	4400	360	2.0E+00	2.4E+03	102168	1.50E-05	4721	Jobson, 1996 and references herein
438	SW	Surface stream	Hoosic, Route 346	Surface stream	Hoosic, Route 346	Surface stream	3100	3800	1.1E+02	6.5E+03	10440	3.12E-04	26655	Jobson, 1996 and references herein
439	SW	Surface stream	Hoosic, Route 11	Surface stream	Hoosic, Route 11	Surface stream	8400	3800	2.5E+01	6.3E+03	25920	1.05E-04	28000	Jobson, 1996 and references herein
440	SW	Surface stream	Hoosic, Route 7	Surface stream	Hoosic, Route 7	Surface stream	13600	3800	2.2E+01	6.7E+03	39240	5.18E-05	29945	Jobson, 1996 and references herein
441	SW	Surface stream	Hoosic, Route 22	Surface stream	Hoosic, Route 22	Surface stream	19500	3800	1.1E+01	6.9E+03	56052	6.15E-05	30058	Jobson, 1996 and references herein
442	SW	Surface stream	Shenandoah, Waynesboro	Surface stream	Shenandoah, Waynesboro	Surface stream	2300	2400	5.5E+02	1.0E+03	14400	2.12E-04	13800	Jobson, 1996 and references herein
443	SW	Surface stream	Shenandoah, Waynesboro	Surface stream	Shenandoah, Waynesboro	Surface stream	4400	2400	3.9E+02	3.15E-04	6480	3.15E-04	9967	Jobson, 1996 and references herein
444	SW	Surface stream	Shenandoah, Hopeman	Surface stream	Shenandoah, Hopeman	Surface stream	10800	2400	6.6E+01	1.6E+03	93600	5.40E-05	9969	Jobson, 1996 and references herein
445	SW	Surface stream	Shenandoah, Hopeman	Surface stream	Shenandoah, Hopeman	Surface stream	10800	4540	7.4E+01	3.7E+03	46800	6.82E-05	19938	Jobson, 1996 and references herein
446	SW	Surface stream	Shenandoah, Crimora	Surface stream	Shenandoah, Crimora	Surface stream	22700	2400	3.4E+01	1.8E+03	187200	3.32E-05	10477	Jobson, 1996 and references herein
447	SW	Surface stream	Shenandoah, Crimora	Surface stream	Shenandoah, Crimora	Surface stream	22700	4540	4.2E+01	4.5E+03	98280	4.71E-05	19956	Jobson, 1996 and references herein
448	SW	Surface stream	Shenandoah, Harrison	Surface stream	Shenandoah, Harrison	Surface stream	3300	4540	2.9E+02	1.9E+03	270000	2.57E-05	21600	Jobson, 1996 and references herein
449	SW	Surface stream	Shenandoah, Harrison	Surface stream	Shenandoah, Harrison	Surface stream	33000	4540	2.9E+01	4.8E+03	139680	3.70E-05	20412	Jobson, 1996 and references herein
450	SW	Surface stream	Shenandoah, Island Ford	Surface stream	Shenandoah, Island Ford	Surface stream	60000	2400	2.5E+00	7.7E+03	471600	1.60E-05	10992	Jobson, 1996 and references herein
451	SW	Surface stream	Shenandoah, Island Ford	Surface stream	Shenandoah, Island Ford	Surface stream	60000	4540	3.9E+00	1.9E-04	238680	2.43E-05	21719	Jobson, 1996 and references herein
452	SW	Surface stream	Shenandoah, Shenandoah	Surface stream	Shenandoah, Shenandoah	Surface stream	81800	2400	1.5E+00	9.3E-04	622800	1.26E-05	13348	Jobson, 1996 and references herein
453	SW	Surface stream	Shenandoah, Shenandoah	Surface stream	Shenandoah, Shenandoah	Surface stream	81800	4540	1.8E+00	1.6E-04	325980	2.16E-05	21741	Jobson, 1996 and references herein
454	SW	Surface stream	Shenandoah, Shenandoah	Surface stream	Shenandoah, Shenandoah	Surface stream	11300	6810	3.2E+01	2.4E-04	38880	1.04E-04	25111	Jobson, 1996 and references herein
455	SW	Surface stream	Shenandoah, Grove Hill	Surface stream	Shenandoah, Grove Hill	Surface stream	94500	2400	1.4E+00	1.1E-04	694800	1.19E-05	11751	Jobson, 1996 and references herein
456	SW	Surface stream	Shenandoah, Grove Hill	Surface stream	Shenandoah, Grove Hill	Surface stream	12700	7000	5.2E+01	9.5E+03	61200	6.27E-05	17929	Jobson, 1996 and references herein
457	SW	Surface stream	Shenandoah, Grove Hill	Surface stream	Shenandoah, Grove Hill	Surface stream	24000	6810	1.7E+01	2.3E-04	75600	6.29E-05	27429	Jobson, 1996 and references herein
458	SW	Surface stream	Shenandoah, US Hwy 211	Surface stream	Shenandoah, US Hwy 211	Surface stream	46900	7000	4.1E+01	3.1E-04	226800	1.92E-05	14057	Jobson, 1996 and references herein
459	SW	Surface stream	Shenandoah, US Hwy 211	Surface stream	Shenandoah, US Hwy 211	Surface stream	36900	6810	8.4E+00	2.4E-04	153000	4.01E-05	20838	Jobson, 1996 and references herein
460	SW	Surface stream	Shenandoah, Bixler Bridge	Surface stream	Shenandoah, Bixler Bridge	Surface stream	48100	7000	5.3E+00	1.1E-04	414000	8.90E-06	10038	Jobson, 1996 and references herein
461	SW	Surface stream	Shenandoah, Bixler Bridge	Surface stream	Shenandoah, Bixler Bridge	Surface stream	59400	6810	4.7E+00	2.3E-04	216000	2.08E-05	23760	Jobson, 1996 and references herein
462	SW	Surface stream	Shenandoah, Bentonsville	Surface stream	Shenandoah, Bentonsville	Surface stream	90100	7000	4.8E+00	1.3E-04	705600	9.00E-06	11033	Jobson, 1996 and references herein
463	SW	Surface stream	Shenandoah, Bentonsville	Surface stream	Shenandoah, Bentonsville	Surface stream	101400	7000	3.0E+00	2.5E-04	354000	1.45E-05	24707	Jobson, 1996 and references herein
464	SW	Surface stream	Shenandoah, Bentonsville	Surface stream	Shenandoah, Bentonsville	Surface stream	42000	13620	2.8E+01	2.9E-04	120600	6.23E-05	30090	Jobson, 1996 and references herein
465	SW	Surface stream	Shenandoah, Front Royal	Surface stream	Shenandoah, Front Royal	Surface stream	114900	7000	4.0E+00	1.3E-04	885600	7.30E-06	11210	Jobson, 1996 and references herein
466	SW	Surface stream	Shenandoah, Front Royal	Surface stream	Shenandoah, Front Royal	Surface stream	66800	13620	1.6E+01	2.9E-04	201600	4.50E-05	20629	Jobson, 1996 and references herein
467	SW	Surface stream	Shenandoah, Morgan Ford	Surface stream	Shenandoah, Morgan Ford	Surface stream	131300	7000	1.6E+00	1.8E-04	1051200	5.80E-06	8792	Jobson, 1996 and references herein
468	SW	Surface stream	Shenandoah, Morgan Ford	Surface stream	Shenandoah, Morgan Ford	Surface stream	6900	7000	4.1E+00	1.8E-04	82800	2.65E-05	8243	Jobson, 1996 and references herein
469	SW	Surface stream	Shenandoah, Morgan Ford	Surface stream	Shenandoah, Morgan Ford	Surface stream	83200	13620	3.1E+00	4.3E-04	275400	3.73E-05	26102	Jobson, 1996 and references herein
470	SW	Surface stream	Shenandoah, HWWY 17850	Surface stream	Shenandoah, HWWY 17850	Surface stream	25400	3000	9.8E+00	1.5E-04	208800	2.20E-05	10510	Jobson, 1996 and references herein
471	SW	Surface stream	Shenandoah, HWWY 17850	Surface stream	Shenandoah, HWWY 17850	Surface stream	100700	13620	7.1E+00	4.3E-04	325800	2.91E-05	26705	Jobson, 1996 and references herein
472	SW	Surface stream	Shenandoah, HWWY 17850	Surface stream	Shenandoah, HWWY 17850	Surface stream	17500	9080	1.9E+01	4.9E-04	45720	1.07E-04	38071	Jobson, 1996 and references herein
473	SW	Surface stream	Shenandoah, HWY 7	Surface stream	Shenandoah, HWY 7	Surface stream	48800	3000	3.1E+00	2.8E-04	320400	1.98E-05	13160	Jobson, 1996 and references herein
474	SW	Surface stream	Shenandoah, HWY 7	Surface stream	Shenandoah, HWY 7	Surface stream	40900	9080	9.2E+00	4.9E-04	99720	5.77E-05	35437	Jobson, 1996 and references herein
475	SW	Surface stream	Shenandoah, HWY 9	Surface stream	Shenandoah, HWY 9	Surface stream	70800	3000	2.2E+00	1.7E-04	457200	1.59E-05	13380	Jobson, 1996 and references herein
476	SW	Surface stream	Shenandoah, HWY 9	Surface stream	Shenandoah, HWY 9	Surface stream	62900	9080	5.6E+00	4.8E-04	71000	3.37E-05	31781	Jobson, 1996 and references herein
477	SW	Surface stream	Shenandoah, Harpers Ferry	Surface stream	Shenandoah, Harpers Ferry	Surface stream	83000	3000	1.7E+00	1.6E-04	594000	1.45E-05	12073	Jobson, 1996 and references herein
478	SW	Surface stream	Shenandoah, Harpers Ferry	Surface stream	Shenandoah, Harpers Ferry	Surface stream	9800	9080	4.9E+00	4.4E-04	84000	2.63E-05	29110	Jobson, 1996 and references herein
479	SW	Surface stream	Potomac, Cumberland	Surface stream	Potomac, Cumberland	Surface stream	3500	4960	2.2E+02	6.9E+03	17280	3.35E-04	17500	Jobson, 1996 and references herein
480	SW	Surface stream	Potomac, North Branch	Surface stream	Potomac, North Branch	Surface stream	17500	4960	2.0E+01	7.2E+03	113400	3.83E-05	13333	Jobson, 1996 and references herein
481	SW	Surface stream	Potomac, Oldtown	Surface stream	Potomac, Oldtown	Surface stream	31500	4960	1.4E+01	7.9E+03	181800	2.76E-05	14970	Jobson, 1996 and references herein
482	SW	Surface stream	Potomac, Paw Paw	Surface stream	Potomac, Paw Paw	Surface stream	48800	4960	1.8E+00	1.3E-04	268200	2.26E-05	15721	Jobson, 1996 and references herein
483	SW	Surface stream	Potomac, Doe Gully	Surface stream	Potomac, Doe Gully	Surface stream	80600	4960	4.7E+00	1.2E-04	428400	1.56E-05	16255	Jobson, 1996 and references herein
484	SW	Surface stream	Potomac, Hancock	Surface stream	Potomac, Hancock	Surface stream	109800	4960	3.4E+00	1.5E-04	568800	8.90E-06	16678	Jobson, 1996 and references herein
485	SW	Surface stream	Potomac, Hancock	Surface stream	Potomac, Hancock	Surface stream	6600	3040	3.6E+01	1.6E-04	32400	1.66E-04	17600	Jobson, 1996 and references herein
486	SW	Surface stream	Potomac, Fort Frederick	Surface stream	Potomac, Fort Frederick	Surface stream	25100	3040	8.0E+00	1.7E-04	120600	5.00E-05	17982	Jobson, 1996 and references herein
487	SW	Surface stream	Potomac, Dam#3	Surface stream	Potomac, Dam#3	Surface stream	40700	3040	1.2E+00	1.6E-04	480000	6.00E-06	7236	Jobson, 1996 and references herein
488	SW	Surface stream	Potomac, Williamsport	Surface stream	Potomac, Williamsport	Surface stream	51300	3040	9.0E+01	2.8E-04	597000	5.10E-06	7417	Jobson, 1996 and references herein
489	SW	Surface stream	Potomac, Williamsport	Surface stream	Potomac, Williamsport	Surface stream	9700	6060	3.2E+01	2.0E-04	86400	9.55E-05	9700	Jobson, 1996 and references herein
490	SW	Surface stream	Potomac, Dam#4	Surface stream	Potomac, Dam#4	Surface stream	34600	6060	1.3E+00	2.0E-04	601200	5.00E-06	4972	Jobson, 1996 and references herein
491	SW	Surface stream	Potomac, Shepherdstown	Surface stream	Potomac, Shepherdstown	Surface stream	7300	10000	1.1E+00	2.0E-04	238400	4.50E-06	6313	Jobson, 1996 and references herein
492	SW	Surface stream	Potomac, Shepherdstown	Surface stream	Potomac, Shepherdstown	Surface stream	52000	6060	3.1E+01	3.2E-04	55440	9.93E-05	11221	Jobson, 1996 and references herein
493	SW	Surface stream	Potomac, Dam#3	Surface stream	Potomac, Dam#3	Surface stream	22400	2900	7.3E+00	2.2E-04	238400	2.36E-05	8698	Jobson, 1996 and references herein
494	SW	Surface stream	Potomac, Brunswick	Surface stream	Potomac, Brunswick	Surface stream	35900	10000	6.0E+00	4.1E-04	284400	2.15E-05	10906	Jobson, 19

519	SW	Surface stream	Elkhorn C, near Emerson	Surface stream	Elkhorn C, near Emerson	Surface stream	64900	800	6.8E+00	3.6E+03	46%	230040	6.64E-05	24376	Jobson, 1996 and references herein			
520	SW	Surface stream	Elkhorn C, near Haldane	Surface stream	Elkhorn C, near Haldane	Surface stream	1600	200	3.5E+02	2.0E+02	86%	11880	4.07E-04	11636	Jobson, 1996 and references herein			
521	SW	Surface stream	Elkhorn C, near Millegewille	Surface stream	Elkhorn C, near Millegewille	Surface stream	20900	200	1.5E+01	7.0E+02	42%	113600	1.21E-04	10381	Jobson, 1996 and references herein			
522	SW	Surface stream	Elkhorn C, near Penrose	Surface stream	Elkhorn C, near Penrose	Surface stream	68800	200	3.6E+00	1.5E+03	47%	24300	5.82E-05	16640	Jobson, 1996 and references herein			
523	SW	Surface stream	Elkhorn C, near Emerson	Surface stream	Elkhorn C, near Emerson	Surface stream	64900	200	2.0E+00	1.9E+03	43%	313200	4.33E-05	17903	Jobson, 1996 and references herein			
524	SW	Surface stream	Embarras R,Greenup	Surface stream	Embarras R,Greenup	Surface stream	2400	1600	4.8E+01	2.8E+04	85%	3312	9.78E-04	62609	Jobson, 1996 and references herein			
525	SW	Surface stream	Embarras R, Ste Marie	Surface stream	Embarras R, Ste Marie	Surface stream	67300	1600	5.0E+00	2.8E-04	83%	120960	1.05E-04	48071	Jobson, 1996 and references herein			
526	SW	Surface stream	Embarras R, Greenup	Surface stream	Embarras R, Greenup	Surface stream	2400	1000	6.0E+01	8.9E+03	112%	5760	4.79E-04	36000	Jobson, 1996 and references herein			
527	SW	Surface stream	Embarras R, Rose Hill	Surface stream	Embarras R, Rose Hill	Surface stream	26400	200	1.0E+01	8.7E+03	92%	77760	9.70E-05	29313	Jobson, 1996 and references herein			
528	SW	Surface stream	Embarras R, Newton	Surface stream	Embarras R, Newton	Surface stream	48800	1000	5.7E+00	9.4E+03	83%	147240	6.46E-05	28636	Jobson, 1996 and references herein			
529	SW	Surface stream	Embarras R, Greenup	Surface stream	Embarras R, Greenup	Surface stream	2400	500	6.3E+01	1.2E+03	96%	18000	1.58E-04	11520	Jobson, 1996 and references herein			
530	SW	Surface stream	Embarras R, Rose Hill	Surface stream	Embarras R, Rose Hill	Surface stream	26400	500	1.1E+01	1.5E+03	64%	209520	5.08E-05	10887	Jobson, 1996 and references herein			
531	SW	Surface stream	Embarras R, Falmouth	Surface stream	Embarras R, Falmouth	Surface stream	37300	500	5.8E+00	1.9E+03	70%	288000	3.17E-05	11190	Jobson, 1996 and references herein			
532	SW	Surface stream	Embarras R, Newton	Surface stream	Embarras R, Newton	Surface stream	48800	1000	4.4E+00	1.9E+03	47%	375840	2.93E-05	12128	Jobson, 1996 and references herein			
533	SW	Surface stream	Kaskaskia R, Bondville	Surface stream	Kaskaskia R, Bondville	Surface stream	3200	300	5.4E+02	1.0E+02	46%	14040	3.95E-04	19692	Jobson, 1996 and references herein			
534	SW	Surface stream	Kaskaskia R, Grange	Surface stream	Kaskaskia R, Grange	Surface stream	26700	300	9.2E+00	1.0E+03	42%	94320	7.29E-05	24458	Jobson, 1996 and references herein			
535	SW	Surface stream	Kaskaskia R, Ficklin	Surface stream	Kaskaskia R, Ficklin	Surface stream	42600	300	4.3E+00	1.7E+03	44%	148680	5.51E-05	24755	Jobson, 1996 and references herein			
536	SW	Surface stream	Kaskaskia R, Bondville	Surface stream	Kaskaskia R, Bondville	Surface stream	3200	300	1.1E+03	1.0E+02	90%	15840	3.93E-04	17455	Jobson, 1996 and references herein			
537	SW	Surface stream	Kaskaskia R, Peotium	Surface stream	Kaskaskia R, Peotium	Surface stream	3200	300	7.4E+00	3.1E+03	114%	111960	6.74E-05	20200	Jobson, 1996 and references herein			
538	SW	Surface stream	Kaskaskia R, Chesterville	Surface stream	Kaskaskia R, Chesterville	Surface stream	60500	300	6.5E+01	8.6E+03	71%	221760	2.64E-05	23571	Jobson, 1996 and references herein			
539	SW	Surface stream	Kaskaskia R, Bondville	Surface stream	Kaskaskia R, Bondville	Surface stream	1600	250	-	-	-	3740	8.90E-05	3692	Jobson, 1996 and references herein			
540	SW	Surface stream	Kaskaskia R, Hayes	Surface stream	Kaskaskia R, Hayes	Surface stream	36700	250	2.9E+00	1.0E+03	49%	218160	2.37E-05	14535	Jobson, 1996 and references herein			
541	SW	Surface stream	MacKinaw R, MacKinaw	Surface stream	MacKinaw R, MacKinaw	Surface stream	1900	2400	3.1E+02	1.6E-04	112%	3960	7.94E-04	41455	Jobson, 1996 and references herein			
542	SW	Surface stream	MacKinaw R, Green Valley	Surface stream	MacKinaw R, Green Valley	Surface stream	4900	2400	3.2E+00	3.3E-04	69%	85320	1.81E-04	50532	Jobson, 1996 and references herein			
543	SW	Surface stream	MacKinaw R, MacKinaw	Surface stream	MacKinaw R, MacKinaw	Surface stream	1900	1800	7.1E+01	1.1E-04	81%	5040	5.38E-04	32571	Jobson, 1996 and references herein			
544	SW	Surface stream	MacKinaw R, Green Valley	Surface stream	MacKinaw R, Green Valley	Surface stream	49900	1800	6.7E+00	1.1E-04	50%	117720	7.92E-05	36624	Jobson, 1996 and references herein			
545	SW	Surface stream	MacKinaw R, MacKinaw	Surface stream	MacKinaw R, MacKinaw	Surface stream	1900	500	2.5E+01	1.0E+03	80%	28080	6.28E-05	5846	Jobson, 1996 and references herein			
546	SW	Surface stream	MacKinaw R, Tremont	Surface stream	MacKinaw R, Tremont	Surface stream	10300	500	7.8E+00	1.3E+03	59%	104400	3.42E-05	8524	Jobson, 1996 and references herein			
547	SW	Surface stream	MF Vermilion R, Armstrong	Surface stream	MF Vermilion R, Armstrong	Surface stream	4800	1000	7.6E+00	8.7E+03	97%	11160	3.91E-04	37461	Jobson, 1996 and references herein			
548	SW	Surface stream	MF Vermilion R, Oakwood	Surface stream	MF Vermilion R, Oakwood	Surface stream	50700	1000	7.2E+00	5.6E+03	65%	122040	6.52E-05	35894	Jobson, 1996 and references herein			
549	SW	Surface stream	MF Vermilion R, Armstrong	Surface stream	MF Vermilion R, Armstrong	Surface stream	4800	3000	2.6E+01	1.3E+03	79%	31320	1.21E-04	13241	Jobson, 1996 and references herein			
550	SW	Surface stream	MF Vermilion R, Oakwood	Surface stream	MF Vermilion R, Oakwood	Surface stream	50700	300	1.6E+00	1.4E+03	50%	370800	1.53E-05	11814	Jobson, 1996 and references herein			
551	SW	Surface stream	Sangamon R, Mahomet	Surface stream	Sangamon R, Mahomet	Surface stream	3100	500	4.3E+01	3.5E+03	80%	9360	3.80E-04	28615	Jobson, 1996 and references herein			
552	SW	Surface stream	Sangamon R, Monticello	Surface stream	Sangamon R, Monticello	Surface stream	40900	500	3.2E+00	7.8E+03	59%	144800	8.45E-05	24571	Jobson, 1996 and references herein			
553	SW	Surface stream	Sangamon R, Cisco	Surface stream	Sangamon R, Cisco	Surface stream	60500	500	1.5E+00	8.3E+03	28%	209520	8.89E-05	24948	Jobson, 1996 and references herein			
554	SW	Surface stream	Sangamon R, near Mahomet	Surface stream	Sangamon R, near Mahomet	Surface stream	5100	1600	6.2E+01	3.6E+03	57%	18360	2.43E-04	24000	Jobson, 1996 and references herein			
555	SW	Surface stream	Sangamon R, Monticello	Surface stream	Sangamon R, Monticello	Surface stream	40900	1600	7.8E+00	5.7E+03	46%	176400	6.03E-05	20033	Jobson, 1996 and references herein			
556	SW	Surface stream	Sangamon R, Cisco	Surface stream	Sangamon R, Cisco	Surface stream	60500	1600	5.1E+00	6.7E+03	40%	267840	5.31E-05	39516	Jobson, 1996 and references herein			
557	SW	Surface stream	Sangamon R, near Mahomet	Surface stream	Sangamon R, near Mahomet	Surface stream	5100	400	9.3E+01	5.0E+02	181%	97560	4.01E-05	4517	Jobson, 1996 and references herein			
558	SW	Surface stream	Sangamon R, Allerton Pk	Surface stream	Sangamon R, Allerton Pk	Surface stream	47600	400	3.3E+00	9.0E+02	41%	540000	1.79E-05	7616	Jobson, 1996 and references herein			
559	SW	Surface stream	Shoal Cr, Old Ripley	Surface stream	Shoal Cr, Old Ripley	Surface stream	2700	1600	1.8E+02	5.6E+03	84%	5760	7.64E-04	40500	Jobson, 1996 and references herein			
560	SW	Surface stream	Shoal Cr, Jamestown	Surface stream	Shoal Cr, Jamestown	Surface stream	29800	1600	2.7E+01	5.9E+03	83%	95760	1.22E-04	26887	Jobson, 1996 and references herein			
561	SW	Surface stream	Shoal Cr, near Breese	Surface stream	Shoal Cr, near Breese	Surface stream	57000	1600	1.3E+01	3.8E+03	66%	229680	4.67E-05	21442	Jobson, 1996 and references herein			
562	SW	Surface stream	Shoal Cr, Old Ripley	Surface stream	Shoal Cr, Old Ripley	Surface stream	2700	600	1.7E+02	1.2E+03	79%	9720	4.27E-04	24000	Jobson, 1996 and references herein			
563	SW	Surface stream	Shoal Cr, Jamestown	Surface stream	Shoal Cr, Jamestown	Surface stream	29800	600	1.2E+01	2.5E+03	60%	159480	8.52E-05	16144	Jobson, 1996 and references herein			
564	SW	Surface stream	Shoal Cr, Frogtown	Surface stream	Shoal Cr, Frogtown	Surface stream	48800	600	7.4E+00	2.1E+03	64%	284400	4.03E-05	14825	Jobson, 1996 and references herein			
565	SW	Surface stream	Shoal Cr, Old Ripley	Surface stream	Shoal Cr, Old Ripley	Surface stream	2700	400	9.7E+01	7.0E+02	84%	16560	2.02E-04	14087	Jobson, 1996 and references herein			
566	SW	Surface stream	Shoal Cr, Jamestown	Surface stream	Shoal Cr, Jamestown	Surface stream	29800	400	7.8E+00	1.3E+03	71%	266040	3.57E-05	9678	Jobson, 1996 and references herein			
567	SW	Surface stream	Vermilion R, near Leonore	Surface stream	Vermilion R, near Leonore	Surface stream	3500	1200	2.5E+01	4.4E-04	93%	3960	9.78E-04	7630	Jobson, 1996 and references herein			
568	SW	Surface stream	Vermilion R, Lowell	Surface stream	Vermilion R, Lowell	Surface stream	14300	1200	5.5E+00	4.7E-04	87%	18360	2.44E-04	67294	Jobson, 1996 and references herein			
569	SW	Surface stream	Vermilion R, near Leonore	Surface stream	Vermilion R, near Leonore	Surface stream	3500	600	1.8E+01	1.4E-04	106%	7200	3.95E-04	42000	Jobson, 1996 and references herein			
570	SW	Surface stream	Vermilion R, Ogesby	Surface stream	Vermilion R, Ogesby	Surface stream	26900	600	3.2E+00	1.6E-04	97%	70920	8.40E-05	32772	Jobson, 1996 and references herein			
571	SW	Surface stream	Vermilion R, near Leonore	Surface stream	Vermilion R, near Leonore	Surface stream	3500	550	1.8E+01	2.9E+03	76%	20160	1.25E-04	15000	Jobson, 1996 and references herein			
572	SW	Surface stream	Vermilion R, Ogesby	Surface stream	Vermilion R, Ogesby	Surface stream	26900	1000	2.3E+00	2.4E+03	49%	234280	2.06E-05	10363	Jobson, 1996 and references herein			
573	SW	Surface stream	Llanidloes Bridge	Surface stream	Severn River	Surface stream	217	1000	Rhodamine WT	1.1E+03	7.3E+03	112%	383	300	6.87E-03	60480	01/04/1978	Atkinson and Davis, 2000
574	SW	Surface stream	Llanidloes Bridge	Surface stream	Severn River	Surface stream	110	1000	Rhodamine WT	2.3E+02	7.0E+03	78%	1838	1560	2.02E-03	65077	01/04/1978	Atkinson and Davis, 2000
575	SW	Surface stream	Llanidloes Bridge	Surface stream	Severn River	Surface stream	2875	1000	Rhodamine WT	1.1E+02	7.2E+03	107%	4623	4020	7.43E-04	61791	01/04/1978	Atkinson and Davis, 2000
576	SW	Surface stream	Llanidloes Bridge	Surface stream	Severn River	Surface stream	5275	1000	Rhodamine WT	5.8E+01	7.5E+03	101%	9266	8880	4.33E-04	51324	01/04/1978	Atkinson and Davis, 2000
577	SW	Surface stream	Llanidloes Bridge	Surface stream	Severn River	Surface stream	10275	1000	Rhodamine WT	3.5E+01	9.3E+03	107%	14276	13440	2.97E-04	49992	01/04/1978	Atkinson and Davis, 2000
578	SW	Surface stream	Llanidloes Bridge	Surface stream	Severn River	Surface stream	10275	1000	Rhodamine WT	2.1E+01	9.8E+03	85%	19285	18120	2.46E-04	48993	02/04/1978	Atkinson and Davis, 2000
579	SW	Surface stream	Llanidloes Bridge	Surface stream	Severn River	Surface stream	13775	1000	Rhodamine WT	2.0E+01	1.0E+04	93%	23938	23533	2.15E-04	50574	02/04/1978	Atkinson and Davis, 2000
580	SW	Surface stream	Pont de Réals	Surface stream	Orb River	Surface stream	50	19360	Sulfurhodamine G	3.3E+02	3.0E+01	84%	3577	2770	6.14E-04	1560	26/10/2006	Unpublished data
581	SW	Surface stream	Pont de Réals	Surface stream	Orb River	Surface stream	6300	19360	Sulfurhodamine G	1.0E+02	3.1E+01	79%	13838	12040	2.09E-04	45209	27/10/2006	Unpublished data
582	SW	Surface stream	Pont de Réals	Surface stream	Orb River	Surface stream	9100	19360	Sulfurhodamine G	3.9E+01	3.1E+01	77%	32360	27890	8.01E-05	30669	28/10/2006	Unpublished data
583	SW	Surface stream	Pont de Réals	Surface stream	Orb River	Surface stream	13900	19360	Sulfurhodamine G	3.2E+01	3.1E+01	77%	45093	40680	6.64E-05	29522	29/10/2006	Unpublished data

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