

APPENDIX C. SANTA CRUZ COUNTY MICROBIAL SOURCE TRACKING DATA

This appendix presents microbial source tracking data. The table headings are defined as follows:

Isolate: A unique number Dr. Samadpour gave to each isolate from the water samples the County of Santa Cruz submitted.

Provider sample: A number that identifies which water sample was analyzed on a given date. In other words, if the County of Santa Cruz took four water samples on a given date, this column identifies which of the four water samples was analyzed.

Stanum: The sampling station number (see Figure 3-1 in report for location).

Note: The specific fecal coliform source

Source: The category of the fecal coliform source

Sample Date: Date the sample was collected

FeColi: Fecal coliform concentration per 100 ml of water

Log FC: The logged fecal coliform concentration per 100 ml of water

Rain-1: Rainfall within the previous 24-hour time period

Rain-3: Rainfall within the previous 72 hour time period

Rain-7: Rainfall within the previous 168-hour time period

Isolate	Provider Sample	STANUM	Note	Source	Sample Date	FeColi	LogFC	RAIN-1	RAIN-3	RAIN-7
87126	AO-1	A0	avian	Bird	1/13/04	240	2.3802112		0	0.35
87127	AO-1	A0	rodent	Rodent	1/13/04	240	2.3802112		0	0.35
87128	AO-1	A0	dog	Dog	1/13/04	240	2.3802112		0	0.35
87129	AO-2	A0	avian	Bird	1/13/04	120	2.0791812		0	0.35
87130	AO-2	A0	avian	Bird	1/13/04	120	2.0791812		0	0.35
87131	AO-2	A0	raccoon	Wildlife	1/13/04	120	2.0791812		0	0.35
87132	AO-3	A0	human	Human	1/13/04	240	2.3802112		0	0.35
87133	AO-3	A0	avian	Bird	1/13/04	240	2.3802112		0	0.35
87134	AO-3	A0	avian	Bird	1/13/04	240	2.3802112		0	0.35
87401	A0-1	A0	avian	Bird	1/21/04	1280	3.10721		0	0
87402	A0-1	A0	avian	Bird	1/21/04	1280	3.10721		0	0
87403	A0-1	A0	avian	Bird	1/21/04	1280	3.10721		0	0
87404	A0-2	A0	raccoon	Wildlife	1/21/04	1420	3.1522883		0	0
87405	A0-2	A0	avian	Bird	1/21/04	1420	3.1522883		0	0
87406	A0-2	A0	avian	Bird	1/21/04	1420	3.1522883		0	0
87407	A0-3	A0	avian	Bird	1/21/04	1130	3.0530784		0	0
87408	A0-3	A0	avian	Bird	1/21/04	1130	3.0530784		0	0
87409	A0-3	A0	avian	Bird	1/21/04	1130	3.0530784		0	0
89628	AO-1	A0	Unknown	Unknown	3/9/04	30	1.4771213		0	0
89629	AO-1	A0	Unknown	Unknown	3/9/04	30	1.4771213		0	0
89630	AO-1	A0	rodent	Rodent	3/9/04	30	1.4771213		0	0
89631	AO-2	A0	dog	Dog	3/9/04	20	1.30103		0	0
89632	AO-2	A0	rabbit	Wildlife	3/9/04	20	1.30103		0	0
89633	AO-3	A0	gull	Bird	3/9/04	50	1.69897		0	0
89634	AO-3	A0	rodent	Rodent	3/9/04	50	1.69897		0	0
89635	AO-3	A0	rodent	Rodent	3/9/04	50	1.69897		0	0
89636	AO-3	A0	avian	Bird	3/9/04	50	1.69897		0	0
90611	A0-1	A0	gull	Bird	3/23/04	110	2.0413927		0	0
90612	A0-1	A0	gull	Bird	3/23/04	110	2.0413927		0	0
90613	A0-1	A0	raccoon	Wildlife	3/23/04	110	2.0413927		0	0
90614	A0-2	A0	gull	Bird	3/23/04	95	1.9777236		0	0
90615	A0-2	A0	gull	Bird	3/23/04	95	1.9777236		0	0
90616	A0-2	A0	rodent	Rodent	3/23/04	95	1.9777236		0	0
90617	A0-3	A0	raccoon	Wildlife	3/23/04	100	2		0	0
90618	A0-3	A0	raccoon	Wildlife	3/23/04	100	2		0	0
90619	A0-3	A0	rodent	Rodent	3/23/04	100	2		0	0
93202	A0-1	A0	raccoon	Wildlife	5/18/04	620	2.7923917		0	0

Isolate	Provider Sample	STANUM	Note	Source	Sample Date	FeColi	LogFC	RAIN-1	RAIN-3	RAIN-7
93203	A0-1	A0	raccoon	Wildlife	5/18/04	620	2.7923917		0	0
93204	A0-1	A0	avian	Bird	5/18/04	620	2.7923917		0	0
93208	A0-3	A0	avian	Bird	5/18/04	620	2.7923917		0	0
93209	A0-3	A0	avian	Bird	5/18/04	620	2.7923917		0	0
93210	A0-3	A0	avian	Bird	5/18/04	620	2.7923917		0	0
95480	6-15-04-A0-1	A0	avian	Bird	6/15/04	1040	3.0170333	0	0	0
95481	6-15-04-A0-1	A0	avian	Bird	6/15/04	1040	3.0170333	0	0	0
95482	6-15-04-A0-1	A0	sewage	Human	6/15/04	1040	3.0170333	0	0	0
95483	6-15-04-A0-1	A0	avian	Bird	6/15/04	1040	3.0170333	0	0	0
95484	6-15-04-A0-2	A0	gull	Bird	6/15/04	1180	3.071882	0	0	0
95485	6-15-04-A0-2	A0	gull	Bird	6/15/04	1180	3.071882	0	0	0
95486	6-15-04-A0-2	A0	avian	Bird	6/15/04	1180	3.071882	0	0	0
95487	6-15-04-A0-3	A0	avian	Bird	6/15/04	1100	3.0413927	0	0	0
95488	6-15-04-A0-3	A0	avian	Bird	6/15/04	1100	3.0413927	0	0	0
95489	6-15-04-A0-3	A0	dog	Dog	6/15/04	1100	3.0413927	0	0	0
95572	6-16-04-A0-1	A0	avian	Bird	6/15/04	7160	3.854913	0	0	0
95573	6-16-04-A0-1	A0	avian	Bird	6/15/04	7160	3.854913	0	0	0
95574	6-16-04-A0-1	A0	avian	Bird	6/15/04	7160	3.854913	0	0	0
95575	6-16-04-A0-2	A0	avian	Bird	6/15/04	8300	3.9190781	0	0	0
95576	6-16-04-A0-2	A0	avian	Bird	6/15/04	8300	3.9190781	0	0	0
95577	6-16-04-A0-2	A0	raccoon	Wildlife	6/15/04	8300	3.9190781	0	0	0
95578	6-16-04-A0-3	A0	raccoon	Wildlife	6/15/04	7840	3.8943161	0	0	0
95579	6-16-04-A0-3	A0	avian	Bird	6/15/04	7840	3.8943161	0	0	0
95580	6-16-04-A0-3	A0	avian	Bird	6/15/04	7840	3.8943161	0	0	0
95581	6-16-04-A0-3	A0	avian	Bird	6/15/04	7840	3.8943161	0	0	0
95830	6-24-04-A0-1	A0	Rodent	Rodent	6/24/04	470	2.6720979	0	0	0
95831	6-24-04-A0-1	A0	gull	Bird	6/24/04	470	2.6720979	0	0	0
95832	6-24-04-A0-1	A0	gull	Bird	6/24/04	470	2.6720979	0	0	0
95833	6-24-04-A0-2	A0	gull	Bird	6/24/04	350	2.544068	0	0	0
95834	6-24-04-A0-2	A0	gull	Bird	6/24/04	350	2.544068	0	0	0
95835	6-24-04-A0-2	A0	avian	Bird	6/24/04	350	2.544068	0	0	0
95836	6-24-04-A0-3	A0	Raccoon	Wildlife	6/24/04	240	2.3802112	0	0	0
95837	6-24-04-A0-3	A0	dog	Dog	6/24/04	240	2.3802112	0	0	0
95838	6-24-04-A0-3	A0	gull	Bird	6/24/04	240	2.3802112	0	0	0
97609	07-19-2004-A0-1	A0	avian	Bird	7/19/04	480	2.6812412	0	0	0
97610	07-19-2004-A0-1	A0	avian	Bird	7/19/04	480	2.6812412	0	0	0
97611	07-19-2004-A0-1	A0	avian	Bird	7/19/04	480	2.6812412	0	0	0

Isolate	Provider Sample	STANUM	Note	Source	Sample Date	FeColi	LogFC	RAIN-1	RAIN-3	RAIN-7
97612	07-19-2004-A0-2	A0	avian	Bird	7/19/04	600	2.7781513	0	0	0
97613	07-19-2004-A0-2	A0	avian	Bird	7/19/04	600	2.7781513	0	0	0
97614	07-19-2004-A0-2	A0	avian	Bird	7/19/04	600	2.7781513	0	0	0
97615	07-19-2004-A0-3	A0	avian	Bird	7/19/04	370	2.5682017	0	0	0
97616	07-19-2004-A0-3	A0	avian	Bird	7/19/04	370	2.5682017	0	0	0
98817	8-02-04-A0-1	A0	avian	Bird	8/2/04	2160	3.3344538	0	0	0
98818	8-02-04-A0-1	A0	avian	Bird	8/2/04	2160	3.3344538	0	0	0
98819	8-02-04-A0-1	A0	feline	Cat	8/2/04	2160	3.3344538	0	0	0
98820	8-02-04-A0-2	A0	Unknown	Unknown	8/2/04	2060	3.3138672	0	0	0
98821	8-02-04-A0-2	A0	Unknown	Unknown	8/2/04	2060	3.3138672	0	0	0
98822	8-02-04-A0-2	A0	canine	Dog	8/2/04	2060	3.3138672	0	0	0
98823	8-02-04-A0-2	A0	avian	Bird	8/2/04	2060	3.3138672	0	0	0
98824	8-02-04-A0-3	A0	Unknown	Unknown	8/2/04	1780	3.25042	0	0	0
98825	8-02-04-A0-3	A0	Raccoon	Wildlife	8/2/04	1780	3.25042	0	0	0
98826	8-02-04-A0-3	A0	Unknown	Unknown	8/2/04	1780	3.25042	0	0	0
99854	8-18-04-A0-1	A0	dog	Dog	8/18/04	800	2.90309	0	0	0
99855	8-18-04-A0-1	A0	gull	Bird	8/18/04	800	2.90309	0	0	0
99856	8-18-04-A0-1	A0	dog	Dog	8/18/04	800	2.90309	0	0	0
99857	8-18-04-A0-2	A0	avian	Bird	8/18/04	1000	3	0	0	0
99858	8-18-04-A0-2	A0	avian	Bird	8/18/04	1000	3	0	0	0
99859	8-18-04-A0-2	A0	avian	Bird	8/18/04	1000	3	0	0	0
99860	8-18-04-A0-3	A0	gull	Bird	8/18/04	880	2.9444827	0	0	0
99861	8-18-04-A0-3	A0	gull	Bird	8/18/04	880	2.9444827	0	0	0
99862	8-18-04-A0-3	A0	avian	Bird	8/18/04	880	2.9444827	0	0	0
99863	8-18-04-A0-3	A0	gull	Bird	8/18/04	880	2.9444827	0	0	0
102097	AO-1	A0	gull	Bird	9/21/04	370	2.5682017	0	0.02	0.02
102098	AO-1	A0	avian	Bird	9/21/04	370	2.5682017	0	0.02	0.02
102099	AO-1	A0	rodent	Rodent	9/21/04	370	2.5682017	0	0.02	0.02
102100	AO-1	A0	rodent	Rodent	9/21/04	370	2.5682017	0	0.02	0.02
102101	AO-1	A0	rodent	Rodent	9/21/04	370	2.5682017	0	0.02	0.02
102491	A0-2	A0	avian	Bird	9/21/04	330	2.5185139	0	0.02	0.02
102492	A0-2	A0	avian	Bird	9/21/04	330	2.5185139	0	0.02	0.02
102493	A0-3	A0	avian	Bird	9/21/04	460	2.6627578	0	0.02	0.02
102494	A0-3	A0	gull	Bird	9/21/04	460	2.6627578	0	0.02	0.02
102495	A0-3	A0	Unknown	Unknown	9/21/04	460	2.6627578	0	0.02	0.02
104982	01-25-05-A0-1	A0	dog	Dog	1/25/05	230	2.36172784	0.5	0.5	0.5
104983	01-25-05-A0-1	A0	rodent	Rodent	1/25/05	230	2.36172784	0.5	0.5	0.5

Isolate	Provider Sample	STANUM	Note	Source	Sample Date	FeColi	LogFC	RAIN-1	RAIN-3	RAIN-7
104984	01-25-05-A0-1	A0	avian	Bird	1/25/05	230	2.36172784	0.5	0.5	0.5
104985	01-25-05-A0-2	A0	gull	Bird	1/25/05	220	2.34242268	0.5	0.5	0.5
104986	01-25-05-A0-2	A0	avian	Bird	1/25/05	220	2.34242268	0.5	0.5	0.5
104987	01-25-05-A0-2	A0	rodent	Rodent	1/25/05	220	2.34242268	0.5	0.5	0.5
104988	01-25-05-A0-3	A0	rodent	Rodent	1/25/05	280	2.44715803	0.5	0.5	0.5
104989	01-25-05-A0-3	A0	avian	Bird	1/25/05	280	2.44715803	0.5	0.5	0.5
104990	01-25-05-A0-3	A0	unknown	Unknown	1/25/05	280	2.44715803	0.5	0.5	0.5
105057	02-03-05-A0-1	A0	gull	Bird	2/3/05	76	1.88081359	0	0	0.06
105058	02-03-05-A0-1	A0	dog	Dog	2/3/05	76	1.88081359	0	0	0.06
105059	02-03-05-A0-1	A0	raccoon	Wildlife	2/3/05	76	1.88081359	0	0	0.06
105060	02-03-05-A0-2	A0	avian	Bird	2/3/05	60	1.77815125	0	0	0.06
105061	02-03-05-A0-2	A0	avian	Bird	2/3/05	60	1.77815125	0	0	0.06
105062	02-03-05-A0-2	A0	sewage	Human	2/3/05	60	1.77815125	0	0	0.06
105063	02-03-05-A0-2	A0	deer	Wildlife	2/3/05	60	1.77815125	0	0	0.06
105064	02-03-05-A0-3	A0	avian	Bird	2/3/05	56	1.74818803	0	0	0.06
105065	02-03-05-A0-3	A0	waterfowl	Bird	2/3/05	56	1.74818803	0	0	0.06
105066	02-03-05-A0-3	A0	horse	Horse	2/3/05	56	1.74818803	0	0	0.06
87410	A3-1	A03	avian	Bird	1/21/04	530	2.7242759		0	0
87411	A3-1	A03	raccoon	Wildlife	1/21/04	530	2.7242759		0	0
87412	A3-1	A03	avian	Bird	1/21/04	530	2.7242759		0	0
87413	A3-2	A03	raccoon	Wildlife	1/21/04	520	2.7160033		0	0
87414	A3-2	A03	raccoon	Wildlife	1/21/04	520	2.7160033		0	0
87415	A3-2	A03	rodent	Rodent	1/21/04	520	2.7160033		0	0
87416	A3-3	A03	avian	Bird	1/21/04	660	2.8195439		0	0
87417	A3-3	A03	avian	Bird	1/21/04	660	2.8195439		0	0
87418	A3-3	A03	raccoon	Wildlife	1/21/04	660	2.8195439		0	0
89637	AO3-1	A03	rodent	Rodent	3/9/04	40	1.60206		0	0
89638	AO3-1	A03	rodent	Rodent	3/9/04	40	1.60206		0	0
89639	AO3-1	A03	rodent	Rodent	3/9/04	40	1.60206		0	0
89640	AO3-2	A03	rodent	Rodent	3/9/04	50	1.69897		0	0
89641	AO3-2	A03	rodent	Rodent	3/9/04	50	1.69897		0	0
89642	AO3-2	A03	rodent	Rodent	3/9/04	50	1.69897		0	0
89643	AO3-2	A03	dog	Dog	3/9/04	50	1.69897		0	0
89644	AO3-3	A03	rodent	Rodent	3/9/04	30	1.4771213		0	0
89645	AO3-3	A03	dog	Dog	3/9/04	30	1.4771213		0	0
90620	A03-1	A03	avian	Bird	3/23/04	135	2.1303338		0	0
90621	A03-1	A03	avian	Bird	3/23/04	135	2.1303338		0	0

Isolate	Provider Sample	STANUM	Note	Source	Sample Date	FeColi	LogFC	RAIN-1	RAIN-3	RAIN-7
90622	A03-1	A03	raccoon	Wildlife	3/23/04	135	2.1303338		0	0
90623	A03-2	A03	avian	Bird	3/23/04	60	1.7781513		0	0
90624	A03-2	A03	raccoon	Wildlife	3/23/04	60	1.7781513		0	0
90625	A03-2	A03	raccoon	Wildlife	3/23/04	60	1.7781513		0	0
90626	A03-3	A03	avian	Bird	3/23/04	90	1.9542425		0	0
90627	A03-3	A03	canine	Dog	3/23/04	90	1.9542425		0	0
90628	A03-3	A03	rodent	Rodent	3/23/04	90	1.9542425		0	0
93211	A3-1	A03	dog	Dog	5/18/04	290	2.462398		0	0
93212	A3-1	A03	avian	Bird	5/18/04	290	2.462398		0	0
93213	A3-1	A03	avian	Bird	5/18/04	290	2.462398		0	0
93214	A3-2	A03	raccoon	Wildlife	5/18/04	290	2.462398		0	0
93215	A3-2	A03	avian	Bird	5/18/04	290	2.462398		0	0
93216	A3-2	A03	avian	Bird	5/18/04	290	2.462398		0	0
93217	A3-3	A03	avian	Bird	5/18/04	290	2.462398		0	0
93218	A3-3	A03	deer	Wildlife	5/18/04	290	2.462398		0	0
93219	A3-3	A03	rodent	Rodent	5/18/04	290	2.462398		0	0
95499	6-15-04-A3-2	A03	Rodent	Rodent	6/15/04	1500	3.1760913	0	0	0
95500	6-15-04-A3-2	A03	raccoon	Wildlife	6/15/04	1500	3.1760913	0	0	0
95501	6-15-04-A3-2	A03	raccoon	Wildlife	6/15/04	1500	3.1760913	0	0	0
95502	6-15-04-A3-2	A03	raccoon	Wildlife	6/15/04	1500	3.1760913	0	0	0
95503	6-15-04-A3-3	A03	gull	Bird	6/15/04	1720	3.2355284	0	0	0
95504	6-15-04-A3-3	A03	avian	Bird	6/15/04	1720	3.2355284	0	0	0
95505	6-15-04-A3-3	A03	avian	Bird	6/15/04	1720	3.2355284	0	0	0
95591	6-16-04-A3-1	A03	avian	Bird	6/15/04	2100	3.3222193	0	0	0
95592	6-16-04-A3-1	A03	rodent	Rodent	6/15/04	2100	3.3222193	0	0	0
95593	6-16-04-A3-1	A03	gull	Bird	6/15/04	2100	3.3222193	0	0	0
95594	6-16-04-A3-2	A03	avian	Bird	6/15/04	2140	3.3304138	0	0	0
95595	6-16-04-A3-2	A03	avian	Bird	6/15/04	2140	3.3304138	0	0	0
95596	6-16-04-A3-2	A03	avian	Bird	6/15/04	2140	3.3304138	0	0	0
95597	6-16-04-A3-3	A03	avian	Bird	6/15/04	2180	3.3384565	0	0	0
95598	6-16-04-A3-3	A03	rodent	Rodent	6/15/04	2180	3.3384565	0	0	0
95599	6-16-04-A3-3	A03	dog	Dog	6/15/04	2180	3.3384565	0	0	0
97628	07-19-2004-A3-1	A03	dog	Dog	7/19/04	250	2.39794	0	0	0
97629	07-19-2004-A3-1	A03	Unknown	Unknown	7/19/04	250	2.39794	0	0	0
97630	07-19-2004-A3-1	A03	avian	Bird	7/19/04	250	2.39794	0	0	0
97631	07-19-2004-A3-2	A03	Unknown	Unknown	7/19/04	210	2.3222193	0	0	0
97632	07-19-2004-A3-2	A03	Raccoon	Wildlife	7/19/04	210	2.3222193	0	0	0

Isolate	Provider Sample	STANUM	Note	Source	Sample Date	FeColi	LogFC	RAIN-1	RAIN-3	RAIN-7
97633	07-19-2004-A3-2	A03	avian	Bird	7/19/04	210	2.3222193	0	0	0
97634	07-19-2004-A3-3	A03	gull	Bird	7/19/04	330	2.5185139	0	0	0
97635	07-19-2004-A3-3	A03	avian	Bird	7/19/04	330	2.5185139	0	0	0
97636	07-19-2004-A3-3	A03	Unknown	Unknown	7/19/04	330	2.5185139	0	0	0
98836	8-02-04-A3-1	A03	canine	Dog	8/2/04	220	2.3424227	0	0	0
98837	8-02-04-A3-1	A03	avian	Bird	8/2/04	220	2.3424227	0	0	0
98838	8-02-04-A3-1	A03	dog	Dog	8/2/04	220	2.3424227	0	0	0
98839	8-02-04-A3-2	A03	rodent	Rodent	8/2/04	420	2.6232493	0	0	0
98840	8-02-04-A3-2	A03	avian	Bird	8/2/04	420	2.6232493	0	0	0
98841	8-02-04-A3-2	A03	avian	Bird	8/2/04	420	2.6232493	0	0	0
98842	8-02-04-A3-2	A03	avian	Bird	8/2/04	420	2.6232493	0	0	0
98843	8-02-04-A3-3	A03	gull	Bird	8/2/04	340	2.5314789	0	0	0
98844	8-02-04-A3-3	A03	raccoon	Wildlife	8/2/04	340	2.5314789	0	0	0
98845	8-02-04-A3-3	A03	avian	Bird	8/2/04	340	2.5314789	0	0	0
99873	8-18-04-A3-1	A03	avian	Bird	8/18/04	230	2.3617278	0	0	0
99874	8-18-04-A3-1	A03	dog	Dog	8/18/04	230	2.3617278	0	0	0
99875	8-18-04-A3-1	A03	raccoon	Wildlife	8/18/04	230	2.3617278	0	0	0
99876	8-18-04-A3-2	A03	avian	Bird	8/18/04	230	2.3617278	0	0	0
99877	8-18-04-A3-2	A03	dog	Dog	8/18/04	230	2.3617278	0	0	0
99878	8-18-04-A3-2	A03	avian	Bird	8/18/04	230	2.3617278	0	0	0
99879	8-18-04-A3-3	A03	deer	Wildlife	8/18/04	260	2.4149733	0	0	0
99880	8-18-04-A3-3	A03	gull	Bird	8/18/04	260	2.4149733	0	0	0
99881	8-18-04-A3-3	A03	gull	Bird	8/18/04	260	2.4149733	0	0	0
99882	8-18-04-A3-3	A03	raccoon	Wildlife	8/18/04	260	2.4149733	0	0	0
102107	A3-1	A03	avian	Bird	9/21/04	50	1.69897	0	0.02	0.02
102108	A3-1	A03	avian	Bird	9/21/04	50	1.69897	0	0.02	0.02
102109	A3-1	A03	avian	Bird	9/21/04	50	1.69897	0	0.02	0.02
102110	A3-1	A03	avian	Bird	9/21/04	50	1.69897	0	0.02	0.02
102111	A3-1	A03	avian	Bird	9/21/04	50	1.69897	0	0.02	0.02
102459	A3-2	A03	avian	Bird	9/21/04	80	1.90309	0	0.02	0.02
102460	A3-2	A03	avian	Bird	9/21/04	80	1.90309	0	0.02	0.02
102461	A3-2	A03	avian	Bird	9/21/04	80	1.90309	0	0.02	0.02
102462	A3-2	A03	avian	Bird	9/21/04	80	1.90309	0	0.02	0.02
102463	A3-3	A03	gu	Bird	9/21/04	100	2	0	0.02	0.02
102464	A3-3	A03	Raccoon	Wildlife	9/21/04	100	2	0	0.02	0.02
102465	A3-3	A03	avian	Bird	9/21/04	100	2	0	0.02	0.02
99883	8-18-04-A1-1	A1	gull	Bird	8/18/04	1180	3.071882	0	0	0

Isolate	Provider Sample	STANUM	Note	Source	Sample Date	FeColi	LogFC	RAIN-1	RAIN-3	RAIN-7
99884	8-18-04-A1-1	A1	raccoon	Wildlife	8/18/04	1180	3.071882	0	0	0
99885	8-18-04-A1-1	A1	canine	Dog	8/18/04	1180	3.071882	0	0	0
99886	8-18-04-A1-2	A1	gull	Bird	8/18/04	1020	3.0086002	0	0	0
99887	8-18-04-A1-2	A1	gull	Bird	8/18/04	1020	3.0086002	0	0	0
99888	8-18-04-A1-2	A1	canine	Dog	8/18/04	1020	3.0086002	0	0	0
99889	8-18-04-A1-3	A1	gull	Bird	8/18/04	1140	3.0569049	0	0	0
99890	8-18-04-A1-3	A1	avian	Bird	8/18/04	1140	3.0569049	0	0	0
99891	8-18-04-A1-3	A1	Unknown	Unknown	8/18/04	1140	3.0569049	0	0	0
104963	01-25-05-A1-1	A1	gull	Bird	1/25/05	64	1.80617997	0.5	0.5	0.5
104964	01-25-05-A1-1	A1	rodent	Rodent	1/25/05	64	1.80617997	0.5	0.5	0.5
104965	01-25-05-A1-1	A1	unknown	Unknown	1/25/05	64	1.80617997	0.5	0.5	0.5
104966	01-25-05-A1-2	A1	horse	Horse	1/25/05	28	1.44715803	0.5	0.5	0.5
104967	01-25-05-A1-2	A1	gull	Bird	1/25/05	28	1.44715803	0.5	0.5	0.5
104968	01-25-05-A1-2	A1	horse	Horse	1/25/05	28	1.44715803	0.5	0.5	0.5
104969	01-25-05-A1-3	A1	avian	Bird	1/25/05	52	1.71600334	0.5	0.5	0.5
104970	01-25-05-A1-3	A1	avian	Bird	1/25/05	52	1.71600334	0.5	0.5	0.5
104971	01-25-05-A1-3	A1	dog	Dog	1/25/05	52	1.71600334	0.5	0.5	0.5
105067	02-03-05-A1-1	A1	gull	Bird	2/3/05	136	2.13353891	0	0	0.06
105068	02-03-05-A1-1	A1	dog	Dog	2/3/05	136	2.13353891	0	0	0.06
105069	02-03-05-A1-1	A1	avian	Bird	2/3/05	136	2.13353891	0	0	0.06
105070	02-03-05-A1-2	A1	gull	Bird	2/3/05	184	2.26481782	0	0	0.06
105071	02-03-05-A1-2	A1	dog	Dog	2/3/05	184	2.26481782	0	0	0.06
105072	02-03-05-A1-2	A1	avian	Bird	2/3/05	184	2.26481782	0	0	0.06
105073	02-03-05-A1-3	A1	raccoon	Wildlife	2/3/05	188	2.27415785	0	0	0.06
105074	02-03-05-A1-3	A1	rodent	Rodent	2/3/05	188	2.27415785	0	0	0.06
105075	02-03-05-A1-3	A1	dog	Dog	2/3/05	188	2.27415785	0	0	0.06
102131	A11-1	A11	avian	Bird	9/22/04	2350	3.3710679	0	0.02	0.02
102132	A11-1	A11	gull	Bird	9/22/04	2350	3.3710679	0	0.02	0.02
102133	A11-1	A11	Unknown	Unknown	9/22/04	2350	3.3710679	0	0.02	0.02
102134	A11-1	A11	Unknown	Unknown	9/22/04	2350	3.3710679	0	0.02	0.02
102135	A11-1	A11	rodent	Rodent	9/22/04	2350	3.3710679	0	0.02	0.02
102511	A11-2	A11	avian	Bird	9/22/04	2270	3.3560259	0	0.02	0.02
102512	A11-2	A11	avian	Bird	9/22/04	2270	3.3560259	0	0.02	0.02
102513	A11-2	A11	avian	Bird	9/22/04	2270	3.3560259	0	0.02	0.02
102514	A11-3	A11	gull	Bird	9/22/04	2340	3.3692159	0	0.02	0.02
102515	A11-3	A11	avian	Bird	9/22/04	2340	3.3692159	0	0.02	0.02
102516	A11-3	A11	avian	Bird	9/22/04	2340	3.3692159	0	0.02	0.02

Isolate	Provider Sample	STANUM	Note	Source	Sample Date	FeColi	LogFC	RAIN-1	RAIN-3	RAIN-7
102547	A11	A11	Rodent	Rodent	10/4/04	6820	3.8337844	0	0	0.02
102548	A11	A11	avian	Bird	10/4/04	6820	3.8337844	0	0	0.02
102549	A11	A11	Unknown	Unknown	10/4/04	6820	3.8337844	0	0	0.02
102550	A111	A11	avian	Bird	10/4/04	7320	3.8645111	0	0	0.02
102551	A111	A11	avian	Bird	10/4/04	7320	3.8645111	0	0	0.02
102552	A111	A11	Unknown	Unknown	10/4/04	7320	3.8645111	0	0	0.02
102553	A1125	A11	avian	Bird	10/4/04	6700	3.8260748	0	0	0.02
102554	A1125	A11	avian	Bird	10/4/04	6700	3.8260748	0	0	0.02
102555	A1125	A11	avian	Bird	10/4/04	6700	3.8260748	0	0	0.02
102556	A114	A11	avian	Bird	10/6/04	4280	3.6314438	0	0	0
102557	A114	A11	avian	Bird	10/6/04	4280	3.6314438	0	0	0
102558	A114	A11	gull	Bird	10/6/04	4280	3.6314438	0	0	0
102559	A1141	A11	avian	Bird	10/6/04	2920	3.4653829	0	0	0
102560	A1141	A11	avian	Bird	10/6/04	2920	3.4653829	0	0	0
102561	A1141	A11	avian	Bird	10/6/04	2920	3.4653829	0	0	0
102562	A1141	A11	avian	Bird	10/6/04	2920	3.4653829	0	0	0
102563	A1142	A11	Unknown	Unknown	10/6/04	5890	3.7701153	0	0	0
102564	A1142	A11	avian	Bird	10/6/04	5890	3.7701153	0	0	0
102565	A1142	A11	avian	Bird	10/6/04	5890	3.7701153	0	0	0
104944	01-25-05-A118-1	A11	avian	Bird	1/25/05	124	2.09342169	0.5	0.5	0.5
104945	01-25-05-A118-1	A11	dog	Dog	1/25/05	124	2.09342169	0.5	0.5	0.5
104946	01-25-05-A118-1	A11	dog	Dog	1/25/05	124	2.09342169	0.5	0.5	0.5
104947	01-25-05-A118-2	A11	raccoon	Wildlife	1/25/05	72	1.8573325	0.5	0.5	0.5
104948	01-25-05-A118-2	A11	avian	Bird	1/25/05	72	1.8573325	0.5	0.5	0.5
104949	01-25-05-A118-2	A11	dog	Dog	1/25/05	72	1.8573325	0.5	0.5	0.5
104950	01-25-05-A118-3	A11	avian	Bird	1/25/05	112	2.04921802	0.5	0.5	0.5
104951	01-25-05-A118-3	A11	dog	Dog	1/25/05	112	2.04921802	0.5	0.5	0.5
104952	01-25-05-A118-3	A11	dog	Dog	1/25/05	112	2.04921802	0.5	0.5	0.5
104953	01-25-05-A11-1	A11	horse	Horse	1/25/05	56	1.74818803	0.5	0.5	0.5
104954	01-25-05-A11-1	A11	unknown	Unknown	1/25/05	56	1.74818803	0.5	0.5	0.5
104955	01-25-05-A11-1	A11	deer	Wildlife	1/25/05	56	1.74818803	0.5	0.5	0.5
104956	01-25-05-A11-2	A11	dog	Dog	1/25/05	44	1.64345268	0.5	0.5	0.5
104957	01-25-05-A11-2	A11	raccoon	Wildlife	1/25/05	44	1.64345268	0.5	0.5	0.5
104958	01-25-05-A11-2	A11	avian	Bird	1/25/05	44	1.64345268	0.5	0.5	0.5
104959	01-25-05-A11-3	A11	dog	Dog	1/25/05	60	1.77815125	0.5	0.5	0.5
104960	01-25-05-A11-3	A11	ra	Wildlife	1/25/05	60	1.77815125	0.5	0.5	0.5
104961	01-25-05-A11-3	A11	ra	Wildlife	1/25/05	60	1.77815125	0.5	0.5	0.5

Isolate	Provider Sample	STANUM	Note	Source	Sample Date	FeColi	LogFC	RAIN-1	RAIN-3	RAIN-7
104962	01-25-05-A11-3	A11	raccoon	Wildlife	1/25/05	60	1.77815125	0.5	0.5	0.5
105076	02-03-05-A11-1	A11	raccoon	Wildlife	2/3/05	56	1.74818803	0	0	0.06
105077	02-03-05-A11-1	A11	deer	Wildlife	2/3/05	56	1.74818803	0	0	0.06
105078	02-03-05-A11-1	A11	rodent	Rodent	2/3/05	56	1.74818803	0	0	0.06
105079	02-03-05-A11-2	A11	deer	Wildlife	2/3/05	60	1.77815125	0	0	0.06
105080	02-03-05-A11-2	A11	avian	Bird	2/3/05	60	1.77815125	0	0	0.06
105081	02-03-05-A11-2	A11	raccoon	Wildlife	2/3/05	60	1.77815125	0	0	0.06
105082	02-03-05-A11-2	A11	rodent	Rodent	2/3/05	60	1.77815125	0	0	0.06
105083	02-03-05-A11-3	A11	unknown	Unknown	2/3/05	64	1.80617997	0	0	0.06
105084	02-03-05-A11-3	A11	raccoon	Wildlife	2/3/05	64	1.80617997	0	0	0.06
105085	02-03-05-A11-3	A11	dog	Dog	2/3/05	64	1.80617997	0	0	0.06
105095	02-03-05-A18-1	A11	dog	Dog	2/3/05	96	1.98227123	0	0	0.06
105096	02-03-05-A18-1	A11	dog	Dog	2/3/05	96	1.98227123	0	0	0.06
105097	02-03-05-A18-1	A11	rodent	Rodent	2/3/05	96	1.98227123	0	0	0.06
105098	02-03-05-A18-2	A11	dog	Dog	2/3/05	44	1.64345268	0	0	0.06
105099	02-03-05-A18-2	A11	dog	Dog	2/3/05	44	1.64345268	0	0	0.06
105100	02-03-05-A18-2	A11	avian	Bird	2/3/05	44	1.64345268	0	0	0.06
105101	02-03-05-A18-2	A11	avian	Bird	2/3/05	44	1.64345268	0	0	0.06
105102	02-03-05-A18-3	A11	unknown	Unknown	2/3/05	76	1.88081359	0	0	0.06
105103	02-03-05-A18-3	A11	rac	Wildlife	2/3/05	76	1.88081359	0	0	0.06
105104	02-03-05-A18-3	A11	unknown	Unknown	2/3/05	76	1.88081359	0	0	0.06
102088	A12-1	A12	avian	Bird	9/22/04	3060	3.4857214	0	0.02	0.02
102089	A12-1	A12	avian	Bird	9/22/04	3060	3.4857214	0	0.02	0.02
102090	A12-1	A12	gull	Bird	9/22/04	3060	3.4857214	0	0.02	0.02
102091	A12-1	A12	avian	Bird	9/22/04	3060	3.4857214	0	0.02	0.02
102485	A12-2	A12	avian	Bird	9/22/04	2770	3.4424798	0	0.02	0.02
102486	A12-2	A12	avian	Bird	9/22/04	2770	3.4424798	0	0.02	0.02
102487	A12-2	A12	avian	Bird	9/22/04	2770	3.4424798	0	0.02	0.02
102488	A12-3	A12	avian	Bird	9/22/04	2840	3.4533183	0	0.02	0.02
102489	A12-3	A12	avian	Bird	9/22/04	2840	3.4533183	0	0.02	0.02
102490	A12-3	A12	avian	Bird	9/22/04	2840	3.4533183	0	0.02	0.02
102534	A12	A12	avian	Bird	10/4/04	1710	3.2329961	0	0	0.02
102535	A12	A12	avian	Bird	10/4/04	1710	3.2329961	0	0	0.02
102536	A12	A12	Rodent	Rodent	10/4/04	1710	3.2329961	0	0	0.02
102537	A121	A12	Rodent	Rodent	10/4/04	1750	3.243038	0	0	0.02
102538	A121	A12	raccoon	Wildlife	10/4/04	1750	3.243038	0	0	0.02
102539	A121	A12	raccoon	Wildlife	10/4/04	1750	3.243038	0	0	0.02

Isolate	Provider Sample	STANUM	Note	Source	Sample Date	FeColi	LogFC	RAIN-1	RAIN-3	RAIN-7
102540	A123	A12	Rodent	Rodent	10/4/04	1170	3.0681859	0	0	0.02
102541	A123	A12	Rodent	Rodent	10/4/04	1170	3.0681859	0	0	0.02
102542	A123	A12	Rodent	Rodent	10/4/04	1170	3.0681859	0	0	0.02
102543	A123	A12	Rodent	Rodent	10/4/04	1170	3.0681859	0	0	0.02
102544	A1234	A12	avian	Bird	10/4/04	820	2.9138139	0	0	0.02
102545	A1234	A12	avian	Bird	10/4/04	820	2.9138139	0	0	0.02
102546	A1234	A12	Unknown	Unknown	10/4/04	820	2.9138139	0	0	0.02
104972	01-25-05-A12-1	A12	avian	Bird	1/25/05	60	1.77815125	0.5	0.5	0.5
104973	01-25-05-A12-1	A12	avian	Bird	1/25/05	60	1.77815125	0.5	0.5	0.5
104974	01-25-05-A12-1	A12	unknown	Unknown	1/25/05	60	1.77815125	0.5	0.5	0.5
104975	01-25-05-A12-2	A12	avian	Bird	1/25/05	20	1.30103	0.5	0.5	0.5
104976	01-25-05-A12-2	A12	dog	Dog	1/25/05	20	1.30103	0.5	0.5	0.5
104977	01-25-05-A12-2	A12	canine	Dog	1/25/05	20	1.30103	0.5	0.5	0.5
104978	01-25-05-A12-3	A12	dog	Dog	1/25/05	64	1.80617997	0.5	0.5	0.5
104979	01-25-05-A12-3	A12	dog	Dog	1/25/05	64	1.80617997	0.5	0.5	0.5
104980	01-25-05-A12-3	A12	canine	Dog	1/25/05	64	1.80617997	0.5	0.5	0.5
104981	01-25-05-A12-3	A12	canine	Dog	1/25/05	64	1.80617997	0.5	0.5	0.5
105086	02-03-05-A12-1	A12	deer	Wildlife	2/3/05	116	2.06445799	0	0	0.06
105087	02-03-05-A12-1	A12	raccoon	Wildlife	2/3/05	116	2.06445799	0	0	0.06
105088	02-03-05-A12-1	A12	unknown	Unknown	2/3/05	116	2.06445799	0	0	0.06
105089	02-03-05-A12-2	A12	unknown	Unknown	2/3/05	80	1.90308999	0	0	0.06
105090	02-03-05-A12-2	A12	deer	Wildlife	2/3/05	80	1.90308999	0	0	0.06
105091	02-03-05-A12-2	A12	deer	Wildlife	2/3/05	80	1.90308999	0	0	0.06
105092	02-03-05-A12-3	A12	rodent	Rodent	2/3/05	92	1.96378783	0	0	0.06
105093	02-03-05-A12-3	A12	raccoon	Wildlife	2/3/05	92	1.96378783	0	0	0.06
105094	02-03-05-A12-3	A12	unknown	Unknown	2/3/05	92	1.96378783	0	0	0.06