

## **Appendix E**

### **Ribotyping Results for *E. coli***

### Appendix E. Ribotyping Results for *E. coli*

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
11516	9/28/2004	11:15	092816A	3	FALSE	102390	canine	pets	dog
11516	9/28/2004	11:15	092816A	3	FALSE	102391	feline	pets	cat
11516	9/28/2004	11:17	092816B	3	FALSE	102392	avian	avian	unspecified
11516	9/28/2004	11:17	092816B	3	FALSE	102393	unknown	unknown	unknown
11516	9/28/2004	11:21	092816D	6	FALSE	102394	avian	avian	unspecified
11516	10/12/2004	13:10	101216A	6	FALSE	102862	avian	avian	unspecified
11516	10/12/2004	13:10	101216A	6	FALSE	102863	unknown	unknown	unknown
11516	10/12/2004	13:10	101216A	6	FALSE	102864	unknown	unknown	unknown
11516	10/12/2004	13:12	101216B	7	FALSE	102865	canine	pets	dog
11516	10/12/2004	13:12	101216B	7	FALSE	102866	sewage	human	sewage
11516	10/12/2004	13:12	101216B	7	FALSE	102867	canine	pets	dog
11516	10/12/2004	13:14	101216C	18	FALSE	102868	unknown	unknown	unknown
11516	10/12/2004	13:14	101216C	18	FALSE	102869	human	human	human
11516	10/12/2004	13:14	101216C	18	FALSE	102870	canine	pets	dog
11516	10/12/2004	13:16	101216D	11	FALSE	102871	avian	avian	unspecified
11516	10/12/2004	13:16	101216D	11	FALSE	102872	avian	avian	unspecified
11516	10/12/2004	13:16	101216D	11	FALSE	102873	waterfowl	avian	waterfowl
11516	10/12/2004	13:16	101216E	6	FALSE	102874	rodent	wildlife	rodent

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
	4	8							
11516	10/12/2004	13:18	101216E	6	FALSE	102875	avian	avian	unspecified
11516	10/12/2004	13:18	101216E	6	FALSE	102876	avian	avian	unspecified
11516	11/2/2004	12:15	110216A	6600	TRUE	103370	unknown	unknown	unknown
11516	11/2/2004	12:15	110216A	6600	TRUE	103371	avian	avian	unspecified
11516	11/2/2004	12:16	110216B	6800	TRUE	103372	rodent	wildlife	rodent
11516	11/2/2004	12:16	110216B	6800	TRUE	103373	canine	pets	dog
11516	11/2/2004	12:17	110216C	5900	TRUE	103374	unknown	unknown	unknown
11516	11/2/2004	12:17	110216C	5900	TRUE	103375	rodent	wildlife	rodent
11516	11/2/2004	12:18	110216D	7100	TRUE	103376	avian	avian	unspecified
11516	11/2/2004	12:18	110216D	7100	TRUE	103377	avian	avian	unspecified
11516	11/2/2004	12:18	110216E	6400	TRUE	103378	bovine	livestock	cattle
11516	11/2/2004	12:18	110216E	6400	TRUE	103379	horse	livestock	equine
11516	11/23/2004	11:41	112316A	17200	TRUE	103853	bovine	livestock	cattle
11516	11/23/2004	11:41	112316A	17200	TRUE	103854	canine	pets	dog
11516	11/23/2004	11:42	112316B	17600	TRUE	103855	horse	livestock	equine
11516	11/23/2004	11:42	112316B	17600	TRUE	103856	horse	livestock	equine
11516	11/23/2004	11:43	112316C	18400	TRUE	103857	avian	avian	unspecified
11516	11/23/2004	11:43	112316C	18400	TRUE	103858	raccoon	wildlife	raccoon

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
11516	11/23/2004	11:44	112316D	19000	TRUE	103859	avian	avian	unspecified
11516	11/23/2004	11:44	112316D	19000	TRUE	103860	unknown	unknown	unknown
11516	11/23/2004	11:45	112316E	18100	TRUE	103861	canine	pets	dog
11516	11/23/2004	11:45	112316E	18100	TRUE	103862	avian	avian	unspecified
12074	3/15/2004	11:55	031574A	3300	TRUE	89872	porcine	livestock	hogs & pigs
12074	3/15/2004	11:55	031574A	3300	TRUE	89873	rodent	wildlife	rodent
12074	3/15/2004	11:55	031574A	3300	TRUE	89874	sewage	human	sewage
12074	3/15/2004	11:55	031574A	3300	TRUE	89875	unknown	unknown	unknown
12074	3/15/2004	11:55	031574A	3300	TRUE	89876	porcine	livestock	hogs & pigs
12074	3/15/2004	11:57	031574B	2700	TRUE	89877	avian	avian	unspecified
12074	3/15/2004	11:57	031574B	2700	TRUE	89878	rodent	wildlife	rodent
12074	3/15/2004	11:57	031574B	2700	TRUE	89879	canine	pets	dog
12074	3/15/2004	11:57	031574B	2700	TRUE	89880	canine	pets	dog
12074	3/15/2004	11:57	031574B	2700	TRUE	89881	canine	pets	dog
12074	3/15/2004	11:57	031574B	2700	TRUE	89882	rodent	wildlife	rodent
12074	3/15/2004	11:59	031574C	2800	TRUE	89883	porcine	livestock	hogs & pigs
12074	3/15/2004	11:59	031574C	2800	TRUE	89884	waterfowl	avian	waterfowl
12074	3/15/2004	11:59	031574C	2800	TRUE	89885	poultry	avian	poultry
12074	3/15/2004	11:59	031574C	2800	TRUE	89886	raccoon	wildlife	raccoon

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
		9							
12074	3/15/2004	11:59	031574C	2800	TRUE	89887	sewage	human	sewage
12074	3/15/2004	12:01	031574D	2800	TRUE	89888	avian	avian	unspecified
12074	3/15/2004	12:01	031574D	2800	TRUE	89889	avian	avian	unspecified
12074	3/15/2004	12:01	031574D	2800	TRUE	89890	canine	pets	dog
12074	3/15/2004	12:01	031574D	2800	TRUE	89891	sewage	human	sewage
12074	3/15/2004	12:01	031574D	2800	TRUE	89892	canine	pets	dog
12074	3/15/2004	12:05	031574E	1909	TRUE	89893	unknown	unknown	unknown
12074	3/15/2004	12:05	031574E	1909	TRUE	89894	sewage	human	sewage
12074	3/15/2004	12:05	031574E	1909	TRUE	89895	raccoon	wildlife	raccoon
12074	3/15/2004	12:05	031574E	1909	TRUE	89896	rodent	wildlife	rodent
12074	3/15/2004	12:05	031574E	1909	TRUE	89897	horse	livestock	equine
12074	4/6/2004	8:50	040674A	1540	FALSE	90846	sewage	human	sewage
12074	4/6/2004	8:50	040674A	1540	FALSE	90847	sewage	human	sewage
12074	4/6/2004	8:50	040674A	1540	FALSE	90848	sewage	human	sewage
12074	4/6/2004	8:50	040674A	1540	FALSE	90849	avian	avian	unspecified
12074	4/6/2004	8:50	040674B	1130	FALSE	90850	porcine	livestock	hogs & pigs
12074	4/6/2004	8:50	040674B	1130	FALSE	90851	sewage	human	sewage
12074	4/6/2004	8:50	040674B	1130	FALSE	90852	sewage	human	sewage
12074	4/6/2004	8:50	040674B	1130	FALSE	90853	horse	livestock	equine
12074	4/6/2004	8:50	040674C	1400	FALSE	90854	sewage	human	sewage
12074	4/6/2004	8:50	040674C	1400	FALSE	90855	sewage	human	sewage
12074	4/6/2004	8:50	040674C	1400	FALSE	90856	sewage	human	sewage

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12074	4/6/2004	8:50	040674C	1400	FALSE	90857	sewage	human	sewage
12074	4/6/2004	8:50	040674D	930	FALSE	90858	dog	pets	dog
12074	4/6/2004	8:50	040674D	930	FALSE	90859	dog	pets	dog
12074	4/6/2004	8:50	040674D	930	FALSE	90860	avian	avian	unspecified
12074	4/6/2004	8:50	040674D	930	FALSE	90861	dog	pets	dog
12074	4/6/2004	8:50	040674D	930	FALSE	90862	waterfowl	avian	waterfowl
12074	4/6/2004	8:50	040674E	2900	FALSE	90863	porcine	livestock	hogs & pigs
12074	4/6/2004	8:50	040674E	2900	FALSE	90864	unknown	unknown	unknown
12074	4/6/2004	8:50	040674E	2900	FALSE	90865	waterfowl	avian	waterfowl
12074	4/6/2004	8:50	040674E	2900	FALSE	90866	bovine	livestock	cattle
12074	5/4/2004	8:34	050474A	1490	FALSE	91154	sewage	human	sewage
12074	5/4/2004	8:34	050474A	1490	FALSE	91155	sewage	human	sewage
12074	5/4/2004	8:34	050474A	1490	FALSE	91156	waterfowl	avian	waterfowl
12074	5/4/2004	8:34	050474A	1490	FALSE	91157	unknown	unknown	unknown
12074	5/4/2004	8:34	050474B	1630	FALSE	91158	raccoon	wildlife	raccoon
12074	5/4/2004	8:34	050474B	1630	FALSE	91159	waterfowl	avian	waterfowl
12074	5/4/2004	8:34	050474B	1630	FALSE	91160	deer	wildlife	deer/elk
12074	5/4/2004	8:34	050474B	1630	FALSE	91161	porcine	livestock	hogs & pigs
12074	5/4/2004	8:34	050474B	1630	FALSE	91162	raccoon	wildlife	raccoon
12074	5/4/2004	8:34	050474C	1190	FALSE	91163	avian	avian	unspecified
12074	5/4/2004	8:34	050474C	1190	FALSE	91164	sewage	human	sewage
12074	5/4/2004	8:34	050474C	1190	FALSE	91165	dog	pets	dog
12074	5/4/2004	8:34	050474C	1190	FALSE	91166	unknown	unknown	unknown
12074	5/4/2004	8:34	050474D	1440	FALSE	91167	bovine	livestock	cattle
12074	5/4/2004	8:34	050474D	1440	FALSE	91168	bovine	livestock	cattle
12074	5/4/2004	8:34	050474D	1440	FALSE	91169	canine	pets	dog
12074	5/4/2004	8:34	050474D	1440	FALSE	91170	rodent	wildlife	rodent
12074	5/4/2004	8:34	050474E	1480	FALSE	91171	rodent	wildlife	rodent
12074	5/4/2004	8:34	050474E	1480	FALSE	91172	unknown	unknown	unknown
12074	5/4/2004	8:34	050474E	1480	FALSE	91173	sewage	human	sewage

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12074	5/4/2004	8:34	050474E	1480	FALSE	91174	human	human	human
12074	5/25/2004	9:20	052574A	43	FALSE	93263	waterfowl	avian	waterfowl
12074	5/25/2004	9:20	052574A	43	FALSE	93264	porcine	livestock	hogs & pigs
12074	5/25/2004	9:20	052574A	43	FALSE	93265	rodent	wildlife	rodent
12074	5/25/2004	9:20	052574A	43	FALSE	93266	sewage	human	sewage
12074	5/25/2004	9:20	052574B	90	FALSE	93267	porcine	livestock	hogs & pigs
12074	5/25/2004	9:20	052574B	90	FALSE	93268	unknown	unknown	unknown
12074	5/25/2004	9:20	052574B	90	FALSE	93269	unknown	unknown	unknown
12074	5/25/2004	9:20	052574B	90	FALSE	93270	deer	wildlife	deer/elk
12074	5/25/2004	9:20	052574C	85	FALSE	93271	horse	livestock	equine
12074	5/25/2004	9:20	052574C	85	FALSE	93272	avian	avian	unspecifie d
12074	5/25/2004	9:20	052574C	85	FALSE	93273	avian	avian	unspecifie d
12074	5/25/2004	9:20	052574C	85	FALSE	93274	waterfowl	avian	waterfowl
12074	5/25/2004	9:20	052574D	100	FALSE	93275	avian	avian	unspecifie d
12074	5/25/2004	9:20	052574D	100	FALSE	93276	sewage	human	sewage
12074	5/25/2004	9:20	052574D	100	FALSE	93277	horse	livestock	equine
12074	5/25/2004	9:20	052574D	100	FALSE	93278	avian	avian	unspecifie d
12074	5/25/2004	9:20	052574E	98	FALSE	93279	sewage	human	sewage
12074	5/25/2004	9:20	052574E	98	FALSE	93280	waterfowl	avian	waterfowl
12074	5/25/2004	9:20	052574E	98	FALSE	93281	waterfowl	avian	waterfowl
12074	5/25/2004	9:20	052574E	98	FALSE	93282	horse	livestock	equine
12074	5/25/2004	9:20	052574E	98	FALSE	93283	deer	wildlife	deer/elk
12074	6/22/2004	9:08	062274B	18	FALSE	96379	unknown	unknown	unknown
12074	6/22/2004	9:08	062274B	18	FALSE	96380	opossum	wildlife	mammals
12074	6/22/2004	9:08	062274B	18	FALSE	96381	rodent	wildlife	rodent
12074	6/22/2004	9:09	062274C	1	FALSE	96382	porcine	livestock	hogs & pigs
12074	6/22/2004	9:09	062274C	1	FALSE	96383	avian	avian	unspecifie d

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12074	6/22/2004	9:11	062274E	17	FALSE	96384	avian	avian	unspecifie d
12074	6/22/2004	9:11	062274E	17	FALSE	96385	avian	avian	unspecifie d
12074	6/22/2004	9:11	062274E	17	FALSE	96386	porcine	livestock	hogs & pigs
12074	7/13/2004	9:11	071374B	440	FALSE	97092	unknown	unknown	unknown
12074	7/13/2004	9:11	071374B	440	FALSE	97093	avian	avian	unspecifie d
12074	7/13/2004	9:11	071374B	440	FALSE	97094	waterfowl	avian	waterfowl
12074	7/13/2004	9:12	071374C	490	FALSE	97095	avian	avian	unspecifie d
12074	7/13/2004	9:12	071374C	490	FALSE	97096	bovine	livestock	cattle
12074	7/13/2004	9:14	071374E	430	FALSE	97097	donkey	livestock	equine
12074	7/13/2004	9:14	071374E	430	FALSE	97098	unknown	unknown	unknown
12074	7/13/2004	9:14	071374E	430	FALSE	97099	bovine	livestock	cattle
12074	8/10/2004	12:1 0	081074A	40	FALSE	99626	deer	wildlife	deer/elk
12074	8/10/2004	12:1 0	081074A	40	FALSE	99627	sewage	human	sewage
12074	8/10/2004	12:1 1	081074B	75	FALSE	99628	rodent	wildlife	rodent
12074	8/10/2004	12:1 1	081074B	75	FALSE	99629	sewage	human	sewage
12074	8/10/2004	12:1 1	081074B	75	FALSE	99630	sewage	human	sewage
12074	8/10/2004	12:1 2	081074C	52	FALSE	99631	waterfowl	avian	waterfowl
12074	8/10/2004	12:1 2	081074C	52	FALSE	99632	unknown	unknown	unknown
12074	8/10/2004	12:1 2	081074C	52	FALSE	99633	avian	avian	unspecifie d
12074	8/10/2004	12:1 3	081074D	48	FALSE	99634	dog	pets	dog
12074	8/10/2004	12:1 3	081074D	48	FALSE	99635	sewage	human	sewage



Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12074	8/10/2004	12:14	081074E	42	FALSE	99636	canine	pets	dog
12074	8/10/2004	12:14	081074E	42	FALSE	99637	avian	avian	unspecified
12074	8/10/2004	12:14	081074E	42	FALSE	99638	poultry	avian	poultry
12074	8/24/2004	12:00	082474A	370	FALSE	101029	sewage	human	sewage
12074	8/24/2004	12:00	082474A	370	FALSE	101030	avian	avian	unspecified
12074	8/24/2004	12:02	082474C	350	FALSE	101031	unknown	unknown	unknown
12074	8/24/2004	12:02	082474C	350	FALSE	101032	avian	avian	unspecified
12074	8/24/2004	12:04	082474E	340	FALSE	101033	unknown	unknown	unknown
12074	8/24/2004	12:04	082474E	340	FALSE	101034	canine	pets	dog
12074	9/28/2004	9:35	092874A	43	FALSE	102524	porcine	livestock	hogs & pigs
12074	9/28/2004	9:39	092874C	70	FALSE	102395	unknown	unknown	unknown
12074	9/28/2004	9:41	092874D	31	FALSE	102396	unknown	unknown	unknown
12074	9/28/2004	9:41	092874D	31	FALSE	102397	avian	avian	unspecified
12074	9/28/2004	9:43	092874E	57	FALSE	102525	sewage	human	sewage
12074	9/28/2004	9:45	092874E DUP	58	FALSE	102398	unknown	unknown	unknown
12074	10/12/2004	10:55	101274A	130	FALSE	102802	porcine	livestock	hogs & pigs
12074	10/12/2004	10:55	101274A	130	FALSE	102803	unknown	unknown	unknown
12074	10/12/2004	10:55	101274A	130	FALSE	102804	avian	avian	unspecified
12074	10/12/2004	10:57	101274B	110	FALSE	102805	rodent	wildlife	rodent
12074	10/12/2004	10:57	101274B	110	FALSE	102806	raccoon	wildlife	raccoon
12074	10/12/2004	10:55	101274B	110	FALSE	102807	sewage	human	sewage

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
	4	7							
12074	10/12/2004	10:59	101274C	120	FALSE	102808	avian	avian	unspecified
12074	10/12/2004	10:59	101274C	120	FALSE	102809	porcine	livestock	hogs & pigs
12074	10/12/2004	10:59	101274C	120	FALSE	102810	bovine	livestock	cattle
12074	10/12/2004	11:01	101274D	105	FALSE	102811	feline	pets	cat
12074	10/12/2004	11:01	101274D	105	FALSE	102812	bovine	livestock	cattle
12074	10/12/2004	11:01	101274D	105	FALSE	102813	sewage	human	sewage
12074	10/12/2004	11:03	101274E	115	FALSE	102814	sewage	human	sewage
12074	10/12/2004	11:03	101274E	115	FALSE	102815	squirrel	wildlife	mammals
12074	10/12/2004	11:03	101274E	115	FALSE	102816	poultry	avian	poultry
12074	11/2/2004	10:15	110274A	9200	TRUE	103393	dog	pets	dog
12074	11/2/2004	10:15	110274A	9200	TRUE	103394	avian	avian	unspecified
12074	11/2/2004	10:16	110274B	8700	TRUE	103395	waterfowl	avian	waterfowl
12074	11/2/2004	10:16	110274B	8700	TRUE	103396	porcine	livestock	hogs & pigs
12074	11/2/2004	10:17	110274C	10300	TRUE	103397	rodent	wildlife	rodent
12074	11/2/2004	10:17	110274C	10300	TRUE	103398	sewage	human	sewage
12074	11/2/2004	10:18	110274D	9500	TRUE	103399	bovine	livestock	cattle
12074	11/2/2004	10:18	110274D	9500	TRUE	103400	rodent	wildlife	rodent
12074	11/2/2004	10:18	110274D	9500	TRUE	103401	rodent	wildlife	rodent

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12074	11/2/2004	10:19	110274E	9200	TRUE	103402	waterfowl	avian	waterfowl
12074	11/2/2004	10:19	110274E	9200	TRUE	103403	avian	avian	unspecified
12074	11/2/2004	10:19	110274E DUP	9700	TRUE	103404	dog	pets	dog
12074	11/2/2004	10:19	110274E DUP	9700	TRUE	103405	avian	avian	unspecified
12074	11/23/2004	9:45	112374A	1890	TRUE	103769	unknown	unknown	unknown
12074	11/23/2004	9:45	112374A	1890	TRUE	103770	sewage	human	sewage
12074	11/23/2004	9:46	112374B	1700	TRUE	103771	sewage	human	sewage
12074	11/23/2004	9:46	112374B	1700	TRUE	103772	unknown	unknown	unknown
12074	11/23/2004	9:47	112374C	1570	TRUE	103773	sewage	human	sewage
12074	11/23/2004	9:47	112374C	1570	TRUE	103774	horse	livestock	equine
12074	11/23/2004	9:48	112374D	1840	TRUE	103775	human	human	human
12074	11/23/2004	9:48	112374D	1840	TRUE	103776	sewage	human	sewage
12074	11/23/2004	9:49	112374E	1690	TRUE	103777	opossum	wildlife	mammals
12074	11/23/2004	9:49	112374E	1690	TRUE	103778	rodent	wildlife	rodent
12083	3/15/2004	10:45	031583A	3300	TRUE	89898	rodent	wildlife	rodent
12083	3/15/2004	10:45	031583A	3300	TRUE	89899	waterfowl	avian	waterfowl
12083	3/15/2004	10:45	031583A	3300	TRUE	89900	unknown	unknown	unknown
12083	3/15/2004	10:45	031583A	3300	TRUE	89901	unknown	unknown	unknown
12083	3/15/2004	10:45	031583A	3300	TRUE	89902	rodent	wildlife	rodent

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
		5							
12083	3/15/2004	10:45	031583A	3300	TRUE	89903	avian	avian	unspecified
12083	3/15/2004	10:47	031583B	3800	TRUE	89904	waterfowl	avian	waterfowl
12083	3/15/2004	10:47	031583B	3800	TRUE	89905	avian	avian	unspecified
12083	3/15/2004	10:47	031583B	3800	TRUE	89906	waterfowl	avian	waterfowl
12083	3/15/2004	10:47	031583B	3800	TRUE	89907	dog	pets	dog
12083	3/15/2004	10:47	031583B	3800	TRUE	89908	waterfowl	avian	waterfowl
12083	3/15/2004	10:50	031583C	4000	TRUE	89909	avian	avian	unspecified
12083	3/15/2004	10:50	031583C	4000	TRUE	89910	canine	pets	dog
12083	3/15/2004	10:50	031583C	4000	TRUE	89911	sewage	human	sewage
12083	3/15/2004	10:50	031583C	4000	TRUE	89912	sewage	human	sewage
12083	3/15/2004	10:50	031583C	4000	TRUE	89913	sewage	human	sewage
12083	3/15/2004	10:52	031583D	3500	TRUE	89914	sewage	human	sewage
12083	3/15/2004	10:52	031583D	3500	TRUE	89915	rodent	wildlife	rodent
12083	3/15/2004	10:52	031583D	3500	TRUE	89916	porcine	livestock	hogs & pigs
12083	3/15/2004	10:52	031583D	3500	TRUE	89917	raccoon	wildlife	raccoon
12083	3/15/2004	10:52	031583D	3500	TRUE	89918	raccoon	wildlife	raccoon
12083	3/15/2004	10:55	031583E	4500	TRUE	89919	porcine	livestock	hogs & pigs
12083	3/15/2004	10:55	031583E	4500	TRUE	89920	bovine	livestock	cattle

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12083	3/15/2004	10:55	031583E	4500	TRUE	89921	rodent	wildlife	rodent
12083	3/15/2004	10:55	031583E	4500	TRUE	89922	human	human	human
12083	3/15/2004	10:55	031583E	4500	TRUE	89923	sewage	human	sewage
12083	5/4/2004	9:50	050483A DUP	330	FALSE	91275	sewage	human	sewage
12083	5/4/2004	9:50	050483A DUP	330	FALSE	91276	unknown	unknown	unknown
12083	5/4/2004	9:50	050483A DUP	330	FALSE	91277	rodent	wildlife	rodent
12083	5/4/2004	9:50	050483A DUP	330	FALSE	91278	sewage	human	sewage
12083	5/4/2004	9:50	050483B DUP	550	FALSE	91279	rodent	wildlife	rodent
12083	5/4/2004	9:50	050483B DUP	550	FALSE	91280	coyote	wildlife	coyote
12083	5/4/2004	9:50	050483B DUP	550	FALSE	91281	coyote	wildlife	coyote
12083	5/4/2004	9:50	050483B DUP	550	FALSE	91282	dog	pets	dog
12083	5/4/2004	9:50	050483B DUP	550	FALSE	91283	avian	avian	unspecifie d
12083	5/4/2004	9:50	050483C DUP	43	FALSE	91196	rodent	wildlife	rodent
12083	5/4/2004	9:50	050483C DUP	43	FALSE	91197	deer	wildlife	deer/elk
12083	5/4/2004	9:50	050483C DUP	43	FALSE	91198	unknown	unknown	unknown
12083	5/4/2004	9:47	050483D	31	FALSE	91199	raccoon	wildlife	raccoon
12083	5/4/2004	9:47	050483D	31	FALSE	91200	canine	pets	dog
12083	5/4/2004	9:47	050483D	31	FALSE	91201	avian	avian	unspecifie d
12083	5/4/2004	9:47	050483D	31	FALSE	91202	waterfowl	avian	waterfowl
12083	5/4/2004	9:47	050483D	31	FALSE	91203	rodent	wildlife	rodent
12083	5/4/2004	9:48	050483E	200	FALSE	91204	canine	pets	dog
12083	5/4/2004	9:48	050483E	200	FALSE	91205	avian	avian	unspecifie d
12083	5/4/2004	9:48	050483E	200	FALSE	91206	rodent	wildlife	rodent
12083	5/4/2004	9:48	050483E	200	FALSE	91207	raccoon	wildlife	raccoon
12083	5/4/2004	9:50	050483E DUP	49	FALSE	91229	canine	pets	dog
12083	5/4/2004	9:50	050483E DUP	49	FALSE	91230	sewage	human	sewage

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12083	5/4/2004	9:50	050483E DUP	49	FALSE	91231	canine	pets	dog
12083	5/4/2004	9:50	050483E DUP	49	FALSE	91232	avian	avian	unspecifie d
12083	5/25/2004	10:4 0	052583A	63	FALSE	93305	rodent	wildlife	rodent
12083	5/25/2004	10:4 0	052583A	63	FALSE	93306	porcine	livestock	hogs & pigs
12083	5/25/2004	10:4 0	052583A	63	FALSE	93307	horse	livestock	equine
12083	5/25/2004	10:4 0	052583A	63	FALSE	93308	unknown	unknown	unknown
12083	6/22/2004	10:3 0	062283A	82	FALSE	96387	raccoon	wildlife	raccoon
12083	6/22/2004	10:3 0	062283A	82	FALSE	96388	raccoon	wildlife	raccoon
12083	6/22/2004	10:3 1	062283B	100	FALSE	96389	rodent	wildlife	rodent
12083	6/22/2004	10:3 1	062283B	100	FALSE	96390	sewage	human	sewage
12083	6/22/2004	10:3 2	062283C	230	FALSE	96391	avian	avian	unspecifie d
12083	6/22/2004	10:3 2	062283C	230	FALSE	96392	avian	avian	unspecifie d
12083	6/22/2004	10:3 3	062283D	120	FALSE	96393	bovine	livestock	cattle
12083	6/22/2004	10:3 3	062283D	120	FALSE	96394	sewage	human	sewage
12083	6/22/2004	10:3 4	062283E	110	FALSE	96395	horse	livestock	equine
12083	6/22/2004	10:3 4	062283E	110	FALSE	96396	avian	avian	unspecifie d
12083	7/13/2004	10:3 5	071383A	600	FALSE	97107	unknown	unknown	unknown
12083	7/13/2004	10:3 5	071383A	600	FALSE	97108	unknown	unknown	unknown
12083	7/13/2004	10:3 5	071383A	600	FALSE	97109	rodent	wildlife	rodent

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12083	7/13/2004	10:36	071383B	680	FALSE	97110	raccoon	wildlife	raccoon
12083	7/13/2004	10:36	071383B	680	FALSE	97111	bovine	livestock	cattle
12083	7/13/2004	10:36	071383B	680	FALSE	97112	avian	avian	unspecified
12083	7/13/2004	10:37	071383C	570	FALSE	97113	unknown	unknown	unknown
12083	7/13/2004	10:37	071383C	570	FALSE	97114	rodent	wildlife	rodent
12083	7/13/2004	10:37	071383C	570	FALSE	97115	human	human	human
12083	7/13/2004	10:38	071383D	520	FALSE	97116	rodent	wildlife	rodent
12083	7/13/2004	10:38	071383D	520	FALSE	97117	sewage	human	sewage
12083	7/13/2004	10:38	071383D	520	FALSE	97118	porcine	livestock	hogs & pigs
12083	7/13/2004	10:39	071383E	570	FALSE	97119	sewage	human	sewage
12083	7/13/2004	10:39	071383E	570	FALSE	97120	horse	livestock	equine
12083	7/13/2004	10:39	071383E	570	FALSE	97121	bovine	livestock	cattle
12083	7/13/2004	10:39	071383E	570	FALSE	97122	porcine	livestock	hogs & pigs
12083	8/10/2004	10:50	081083A	75	FALSE	99639	avian	avian	unspecified
12083	8/10/2004	10:50	081083A	75	FALSE	99640	rodent	wildlife	rodent
12083	8/10/2004	10:50	081083A	75	FALSE	99641	sewage	human	sewage
12083	8/10/2004	10:54	081083E	83	FALSE	99647	raccoon	wildlife	raccoon
12083	8/10/2004	10:54	081083E	83	FALSE	99648	porcine	livestock	hogs & pigs
12083	8/10/2004	10:5	081083E	83	FALSE	99649	sewage	human	sewage

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
		4							
12083	8/24/2004	10:45	082483A	30	FALSE	101035	sewage	human	sewage
12083	8/24/2004	10:45	082483A	30	FALSE	101036	unknown	unknown	unknown
12083	8/24/2004	10:45	082483A	30	FALSE	101037	canine	pets	dog
12083	8/24/2004	10:46	082483B	45	FALSE	101038	sewage	human	sewage
12083	8/24/2004	10:46	082483B	45	FALSE	101039	unknown	unknown	unknown
12083	8/24/2004	10:47	082483C	38	FALSE	101040	sewage	human	sewage
12083	8/24/2004	10:47	082483C	38	FALSE	101041	sewage	human	sewage
12083	8/24/2004	10:47	082483C	38	FALSE	101042	feline	pets	cat
12083	8/24/2004	10:48	082483D	47	FALSE	101043	unknown	unknown	unknown
12083	8/24/2004	10:48	082483D	47	FALSE	101044	waterfowl	avian	waterfowl
12083	8/24/2004	10:49	082483E	25	FALSE	101045	rodent	wildlife	rodent
12083	8/24/2004	10:49	082483E	25	FALSE	101046	rodent	wildlife	rodent
12083	9/28/2004	10:52	092883B	35	FALSE	102399	unknown	unknown	unknown
12083	9/28/2004	10:52	092883B	35	FALSE	102400	unknown	unknown	unknown
12083	9/28/2004	10:52	092883B	35	FALSE	102401	unknown	unknown	unknown
12083	9/28/2004	10:56	092883D	13	FALSE	102402	unknown	unknown	unknown
12083	9/28/2004	10:56	092883D	13	FALSE	102403	avian	avian	unspecified
12083	9/28/2004	10:58	092883E	47	FALSE	102404	unknown	unknown	unknown



Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12083	10/12/2004	12:20	101283A	120	FALSE	102833	waterfowl	avian	waterfowl
12083	10/12/2004	12:20	101283A	120	FALSE	102834	raccoon	wildlife	raccoon
12083	10/12/2004	12:20	101283A	120	FALSE	102835	avian	avian	unspecified
12083	10/12/2004	12:22	101283B	110	FALSE	102836	canine	pets	dog
12083	10/12/2004	12:22	101283B	110	FALSE	102837	rodent	wildlife	rodent
12083	10/12/2004	12:22	101283B	110	FALSE	102838	unknown	unknown	unknown
12083	10/12/2004	12:24	101283C	110	FALSE	102839	avian	avian	unspecified
12083	10/12/2004	12:24	101283C	110	FALSE	102840	sewage	human	sewage
12083	10/12/2004	12:24	101283C	110	FALSE	102841	raccoon	wildlife	raccoon
12083	10/12/2004	12:24	101283C	110	FALSE	102842	canine	pets	dog
12083	10/12/2004	12:26	101283D	100	FALSE	102843	raccoon	wildlife	raccoon
12083	10/12/2004	12:28	101283E	140	FALSE	102844	sewage	human	sewage
12083	10/12/2004	12:28	101283E	140	FALSE	102845	avian	avian	unspecified
12083	11/2/2004	11:35	110283A	3700	TRUE	103347	porcine	livestock	hogs & pigs
12083	11/2/2004	11:35	110283A	3700	TRUE	103348	avian	avian	unspecified
12083	11/2/2004	11:36	110283B	4600	TRUE	103349	waterfowl	avian	waterfowl
12083	11/2/2004	11:36	110283B	4600	TRUE	103350	avian	avian	unspecified
12083	11/2/2004	11:37	110283C	4800	TRUE	103351	unknown	unknown	unknown
12083	11/2/2004	11:37	110283C	4800	TRUE	103352	porcine	livestock	hogs &

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
		7							pigs
12083	11/2/2004	11:38	110283D	4300	TRUE	103353	unknown	unknown	unknown
12083	11/2/2004	11:38	110283D	4300	TRUE	103354	canine	pets	dog
12083	11/2/2004	11:39	110283E	5400	TRUE	103355	sewage	human	sewage
12083	11/2/2004	11:39	110283E	5400	TRUE	103356	sewage	human	sewage
12083	11/23/2004	10:46	112383A	840	TRUE	103811	sewage	human	sewage
12083	11/23/2004	10:46	112383A	840	TRUE	103812	sewage	human	sewage
12083	11/23/2004	10:47	112383B	760	TRUE	103813	avian	avian	unspecified
12083	11/23/2004	10:47	112383B	760	TRUE	103814	sewage	human	sewage
12083	11/23/2004	10:48	112383C	860	TRUE	103815	avian	avian	unspecified
12083	11/23/2004	10:48	112383C	860	TRUE	103816	avian	avian	unspecified
12083	11/23/2004	10:49	112383D	650	TRUE	103817	rodent	wildlife	rodent
12083	11/23/2004	10:49	112383D	650	TRUE	103818	unknown	unknown	unknown
12083	11/23/2004	10:50	112383E	710	TRUE	103819	waterfowl	avian	waterfowl
12083	11/23/2004	10:50	112383E	710	TRUE	103820	sewage	human	sewage
12083	11/23/2004	10:50	112383E	710	TRUE	103821	sewage	human	sewage
12086	3/15/2004	10:14	031586A	6200	TRUE	89924	coyote	wildlife	coyote
12086	3/15/2004	10:14	031586A	6200	TRUE	89925	rodent	wildlife	rodent
12086	3/15/2004	10:14	031586A	6200	TRUE	89926	horse	livestock	equine

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12086	3/15/2004	10:14	031586A	6200	TRUE	89927	avian	avian	unspecified
12086	3/15/2004	10:14	031586A	6200	TRUE	89928	porcine	livestock	hogs & pigs
12086	3/15/2004	10:16	031586B	7500	TRUE	89929	sewage	human	sewage
12086	3/15/2004	10:16	031586B	7500	TRUE	89930	sewage	human	sewage
12086	3/15/2004	10:16	031586B	7500	TRUE	89931	unknown	unknown	unknown
12086	3/15/2004	10:16	031586B	7500	TRUE	89932	bovine	livestock	cattle
12086	3/15/2004	10:16	031586B	7500	TRUE	89933	canine	pets	dog
12086	3/15/2004	10:18	031586C	5200	TRUE	89934	unknown	unknown	unknown
12086	3/15/2004	10:18	031586C	5200	TRUE	89935	rodent	wildlife	rodent
12086	3/15/2004	10:18	031586C	5200	TRUE	89936	rodent	wildlife	rodent
12086	3/15/2004	10:18	031586C	5200	TRUE	89937	sewage	human	sewage
12086	3/15/2004	10:18	031586C	5200	TRUE	89938	rodent	wildlife	rodent
12086	3/15/2004	10:21	031586D	5800	TRUE	89939	bovine	livestock	cattle
12086	3/15/2004	10:21	031586D	5800	TRUE	89940	waterfowl	avian	waterfowl
12086	3/15/2004	10:21	031586D	5800	TRUE	89941	waterfowl	avian	waterfowl
12086	3/15/2004	10:21	031586D	5800	TRUE	89942	rodent	wildlife	rodent
12086	3/15/2004	10:21	031586D	5800	TRUE	89943	rodent	wildlife	rodent
12086	3/15/2004	10:21	031586D	5800	TRUE	89944	unknown	unknown	unknown
12086	3/15/2004	10:2	031586E	5600	TRUE	89945	human	human	human

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
		5							
12086	3/15/2004	10:25	031586E	5600	TRUE	89946	waterfowl	avian	waterfowl
12086	3/15/2004	10:25	031586E	5600	TRUE	89947	raccoon	wildlife	raccoon
12086	3/15/2004	10:25	031586E	5600	TRUE	89948	waterfowl	avian	waterfowl
12086	3/15/2004	10:25	031586E	5600	TRUE	89949	unknown	unknown	unknown
12086	4/6/2004	10:22	040686A	110	FALSE	90867	unknown	unknown	unknown
12086	4/6/2004	10:22	040686B	77	FALSE	90868	raccoon	wildlife	raccoon
12086	4/6/2004	10:22	040686C	65	FALSE	90869	deer	wildlife	deer/elk
12086	4/6/2004	10:22	040686C	65	FALSE	90870	bovine	livestock	cattle
12086	4/6/2004	10:22	040686C	65	FALSE	90871	bovine	livestock	cattle
12086	4/6/2004	10:22	040686C	65	FALSE	90872	avian	avian	unspecified
12086	4/6/2004	10:22	040686D	97	FALSE	90873	deer	wildlife	deer/elk
12086	4/6/2004	10:22	040686D	97	FALSE	90874	waterfowl	avian	waterfowl
12086	4/6/2004	10:22	040686D	97	FALSE	90875	bovine	livestock	cattle
12086	4/6/2004	10:22	040686E	83	FALSE	90876	avian	avian	unspecified
12086	4/6/2004	10:22	040686E	83	FALSE	90877	waterfowl	avian	waterfowl
12086	5/4/2004	10:18	050486A	480	FALSE	91208	avian	avian	unspecified
12086	5/4/2004	10:18	050486A	480	FALSE	91209	waterfowl	avian	waterfowl
12086	5/4/2004	10:18	050486A	480	FALSE	91210	bovine	livestock	cattle

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12086	5/4/2004	10:18	050486A	480	FALSE	91211	canine	pets	dog
12086	5/4/2004	10:18	050486B	450	FALSE	91212	sewage	human	sewage
12086	5/4/2004	10:18	050486B	450	FALSE	91213	sewage	human	sewage
12086	5/4/2004	10:18	050486B	450	FALSE	91214	feline	pets	cat
12086	5/4/2004	10:18	050486B	450	FALSE	91215	unknown	unknown	unknown
12086	5/4/2004	10:18	050486C	460	FALSE	91216	avian	avian	unspecified
12086	5/4/2004	10:18	050486C	460	FALSE	91217	horse	livestock	equine
12086	5/4/2004	10:18	050486C	460	FALSE	91218	rodent	wildlife	rodent
12086	5/4/2004	10:18	050486C	460	FALSE	91219	rodent	wildlife	rodent
12086	5/4/2004	10:18	050486D	630	FALSE	91220	rodent	wildlife	rodent
12086	5/4/2004	10:18	050486D	630	FALSE	91221	rodent	wildlife	rodent
12086	5/4/2004	10:18	050486D	630	FALSE	91222	canine	pets	dog
12086	5/4/2004	10:18	050486D	630	FALSE	91223	horse	livestock	equine
12086	5/4/2004	10:18	050486D	630	FALSE	91224	canine	pets	dog
12086	5/4/2004	10:18	050486E	540	FALSE	91225	sewage	human	sewage
12086	5/4/2004	10:18	050486E	540	FALSE	91226	unknown	unknown	unknown
12086	5/4/2004	10:18	050486E	540	FALSE	91227	porcine	livestock	hogs & pigs
12086	5/4/2004	10:18	050486E	540	FALSE	91228	avian	avian	unspecified
12086	5/25/2004	11:2	052586A	110	FALSE	93326	sewage	human	sewage

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
		0							
12086	5/25/2004	11:20	052586A	110	FALSE	93327	bovine	livestock	cattle
12086	5/25/2004	11:20	052586A	110	FALSE	93328	bovine	livestock	cattle
12086	5/25/2004	11:20	052586A	110	FALSE	93329	avian	avian	unspecified
12086	5/25/2004	11:20	052586B	87	FALSE	93330	canine	pets	dog
12086	5/25/2004	11:20	052586B	87	FALSE	93331	sewage	human	sewage
12086	5/25/2004	11:20	052586B	87	FALSE	93332	sewage	human	sewage
12086	5/25/2004	11:20	052586B	87	FALSE	93333	avian	avian	unspecified
12086	5/25/2004	11:20	052586C	37	FALSE	93334	avian	avian	unspecified
12086	5/25/2004	11:20	052586C	37	FALSE	93335	rodent	wildlife	rodent
12086	5/25/2004	11:20	052586C	37	FALSE	93336	bovine	livestock	cattle
12086	5/25/2004	11:20	052586C	37	FALSE	93337	rodent	wildlife	rodent
12086	5/25/2004	11:20	052586D	82	FALSE	93338	rodent	wildlife	rodent
12086	5/25/2004	11:20	052586D	82	FALSE	93339	avian	avian	unspecified
12086	5/25/2004	11:20	052586D	82	FALSE	93340	sewage	human	sewage
12086	5/25/2004	11:20	052586D	82	FALSE	93341	sewage	human	sewage
12086	5/25/2004	11:20	052586D	82	FALSE	93342	unknown	unknown	unknown
12086	5/25/2004	11:20	052586E	33	FALSE	93343	sewage	human	sewage
12086	5/25/2004	11:20	052586E	33	FALSE	93344	opossum	wildlife	mammals

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12086	5/25/2004	11:20	052586E	33	FALSE	93345	rodent	wildlife	rodent
12086	5/25/2004	11:20	052586E	33	FALSE	93346	sewage	human	sewage
12086	6/22/2004	11:10	062286A	47	FALSE	96397	avian	avian	unspecified
12086	6/22/2004	11:10	062286A	47	FALSE	96398	canine	pets	dog
12086	6/22/2004	11:11	062286B	70	FALSE	96399	sewage	human	sewage
12086	6/22/2004	11:11	062286B	70	FALSE	96400	bovine	livestock	cattle
12086	6/22/2004	11:11	062286B	70	FALSE	96401	poultry	avian	poultry
12086	6/22/2004	11:12	062286C	43	FALSE	96402	waterfowl	avian	waterfowl
12086	6/22/2004	11:12	062286C	43	FALSE	96403	avian	avian	unspecified
12086	6/22/2004	11:12	062286C	43	FALSE	96404	avian	avian	unspecified
12086	6/22/2004	11:13	062286D	57	FALSE	96405	waterfowl	avian	waterfowl
12086	6/22/2004	11:13	062286D	57	FALSE	96406	rodent	wildlife	rodent
12086	6/22/2004	11:13	062286D	57	FALSE	96407	porcine	livestock	hogs & pigs
12086	7/13/2004	11:05	071386A	170	FALSE	97123	rabbit	wildlife	rabbit
12086	7/13/2004	11:05	071386A	170	FALSE	97124	porcine	livestock	hogs & pigs
12086	7/13/2004	11:05	071386A	170	FALSE	97125	rodent	wildlife	rodent
12086	7/13/2004	11:07	071386C	170	FALSE	97126	avian	avian	unspecified
12086	7/13/2004	11:07	071386C	170	FALSE	97127	rodent	wildlife	rodent
12086	7/13/2004	11:07	071386C	170	FALSE	97136	unknown	unknown	unknown

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
		7							
12086	7/13/2004	11:08	071386D	210	FALSE	97128	rodent	wildlife	rodent
12086	7/13/2004	11:08	071386D	210	FALSE	97129	raccoon	wildlife	raccoon
12086	7/13/2004	11:08	071386D	210	FALSE	97137	unknown	unknown	unknown
12086	7/13/2004	11:08	071386D	210	FALSE	97138	bovine	livestock	cattle
12086	7/13/2004	11:08	071386D	210	FALSE	97139	rodent	wildlife	rodent
12086	7/13/2004	11:09	071386E	150	FALSE	97130	sewage	human	sewage
12086	7/13/2004	11:09	071386E	150	FALSE	97131	porcine	livestock	hogs & pigs
12086	7/13/2004	11:09	071386E	150	FALSE	97132	sewage	human	sewage
12086	7/13/2004	11:09	071386E	150	FALSE	97140	rodent	wildlife	rodent
12086	7/13/2004	11:09	071386E	150	FALSE	97141	rodent	wildlife	rodent
12086	7/13/2004	11:09	071386E	150	FALSE	97142	rodent	wildlife	rodent
12086	7/13/2004	11:09	071386E	150	FALSE	97143	opossum	wildlife	mammals
12086	8/10/2004	10:30	081086A	73	FALSE	99650	raccoon	wildlife	raccoon
12086	8/10/2004	10:30	081086A	73	FALSE	99651	avian	avian	unspecified
12086	8/10/2004	10:31	081086B	20	FALSE	99652	avian	avian	unspecified
12086	8/10/2004	10:31	081086B	20	FALSE	99653	unknown	unknown	unknown
12086	8/10/2004	10:32	081086C	27	FALSE	99654	raccoon	wildlife	raccoon
12086	8/10/2004	10:32	081086C	27	FALSE	99655	unknown	unknown	unknown



Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12086	8/10/2004	10:32	081086C	27	FALSE	99656	waterfowl	avian	waterfowl
12086	8/10/2004	10:33	081086D	31	FALSE	99657	unknown	unknown	unknown
12086	8/10/2004	10:34	081086E	33	FALSE	99644	avian	avian	unspecified
12086	8/10/2004	10:34	081086E	33	FALSE	99658	human	human	human
12086	8/10/2004	10:34	081086E	33	FALSE	99659	canine	pets	dog
12086	8/10/2004	10:34	081086E	33	FALSE	99660	rodent	wildlife	rodent
12086	8/10/2004	10:34	081086E	33	FALSE	99661	rodent	wildlife	rodent
12086	8/24/2004	10:30	082486A	48	FALSE	101047	waterfowl	avian	waterfowl
12086	8/24/2004	10:30	082486A	48	FALSE	101048	human	human	human
12086	8/24/2004	10:31	082486B	40	FALSE	101049	canine	pets	dog
12086	8/24/2004	10:31	082486B	40	FALSE	101050	rodent	wildlife	rodent
12086	8/24/2004	10:31	082486B	40	FALSE	101051	avian	avian	unspecified
12086	8/24/2004	10:34	082486E	38	FALSE	101052	rodent	wildlife	rodent
12086	8/24/2004	10:34	082486E	38	FALSE	101053	unknown	unknown	unknown
12086	8/24/2004	10:34	082486E	38	FALSE	101054	waterfowl	avian	waterfowl
12086	9/28/2004	10:50	092886A	33	FALSE	102413	human	human	human
12086	9/28/2004	10:50	092886A	33	FALSE	102414	human	human	human
12086	9/28/2004	10:52	092886B	35	FALSE	102415	avian	avian	unspecified
12086	9/28/2004	10:5	092886B	35	FALSE	102416	canine	pets	dog

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
		2							
12086	9/28/2004	10:54	092886C	21	FALSE	102417	rodent	wildlife	rodent
12086	9/28/2004	10:54	092886C	21	FALSE	102418	unknown	unknown	unknown
12086	9/28/2004	10:56	092886C DUP	25	FALSE	102419	avian	avian	unspecified
12086	9/28/2004	10:58	092886D	27	FALSE	102420	canine	pets	dog
12086	9/28/2004	10:58	092886D	27	FALSE	102421	canine	pets	dog
12086	9/28/2004	11:00	092886E	27	FALSE	102527	unknown	unknown	unknown
12086	9/28/2004	11:00	092886E	27	FALSE	102528	sewage	human	sewage
12086	10/12/2004	12:40	101286A	100	FALSE	102846	waterfowl	avian	waterfowl
12086	10/12/2004	12:40	101286A	100	FALSE	102847	sewage	human	sewage
12086	10/12/2004	12:40	101286A	100	FALSE	102848	deer	wildlife	deer/elk
12086	10/12/2004	12:42	101286B	63	FALSE	102849	waterfowl	avian	waterfowl
12086	10/12/2004	12:42	101286B	63	FALSE	102850	sewage	human	sewage
12086	10/12/2004	12:42	101286B	63	FALSE	102851	raccoon	wildlife	raccoon
12086	10/12/2004	12:44	101286C	75	FALSE	102852	sewage	human	sewage
12086	10/12/2004	12:44	101286C	75	FALSE	102853	unknown	unknown	unknown
12086	10/12/2004	12:44	101286C	75	FALSE	102854	raccoon	wildlife	raccoon
12086	10/12/2004	12:46	101286D	52	FALSE	102855	raccoon	wildlife	raccoon
12086	10/12/2004	12:46	101286D	52	FALSE	102856	horse	livestock	equine

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12086	10/12/2004	12:46	101286D	52	FALSE	102857	canine	pets	dog
12086	10/12/2004	12:48	101286E	42	FALSE	102858	sewage	human	sewage
12086	10/12/2004	12:48	101286E	42	FALSE	102859	porcine	livestock	hogs & pigs
12086	10/12/2004	12:48	101286E	42	FALSE	102860	porcine	livestock	hogs & pigs
12086	10/12/2004	12:48	101286E	42	FALSE	102861	bovine	livestock	cattle
12086	11/2/2004	11:10	110286A	6600	TRUE	103357	avian	avian	unspecified
12086	11/2/2004	11:10	110286A	6600	TRUE	103358	poultry	avian	poultry
12086	11/2/2004	11:11	110286B	5800	TRUE	103359	unknown	unknown	unknown
12086	11/2/2004	11:11	110286B	5800	TRUE	103360	rodent	wildlife	rodent
12086	11/2/2004	11:11	110286B	5800	TRUE	103361	avian	avian	unspecified
12086	11/2/2004	11:12	110286C	6200	TRUE	103362	avian	avian	unspecified
12086	11/2/2004	11:12	110286C	6200	TRUE	103363	rodent	wildlife	rodent
12086	11/2/2004	11:12	110286C DUP	5700	TRUE	103364	avian	avian	unspecified
12086	11/2/2004	11:12	110286C DUP	5700	TRUE	103365	rodent	wildlife	rodent
12086	11/2/2004	11:13	110286D	4800	TRUE	103366	Guinea fowl	avian	poultry
12086	11/2/2004	11:13	110286D	4800	TRUE	103367	rodent	wildlife	rodent
12086	11/2/2004	11:14	110286E	5000	TRUE	103368	avian	avian	unspecified
12086	11/2/2004	11:14	110286E	5000	TRUE	103369	canine	pets	dog
12086	11/23/2004	11:1	112386A	7100	TRUE	103822	coyote	wildlife	coyote

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
	4	5							
12086	11/23/2004	11:15	112386A	7100	TRUE	103823	sewage	human	sewage
12086	11/23/2004	11:16	112386B	7600	TRUE	103824	avian	avian	unspecified
12086	11/23/2004	11:16	112386B	7600	TRUE	103825	avian	avian	unspecified
12086	11/23/2004	11:17	112386C	6900	TRUE	103826	unknown	unknown	unknown
12086	11/23/2004	11:17	112386C	6900	TRUE	103827	bovine	livestock	cattle
12086	11/23/2004	11:18	112386D	7500	TRUE	103828	avian	avian	unspecified
12086	11/23/2004	11:18	112386D	7500	TRUE	103829	avian	avian	unspecified
12086	11/23/2004	11:19	112386E	7200	TRUE	103830	sewage	human	sewage
12086	11/23/2004	11:19	112386E	7200	TRUE	103831	bovine	livestock	cattle
12087	3/15/2004	9:42	031587A	5300	TRUE	89950	bovine	livestock	cattle
12087	3/15/2004	9:42	031587A	5300	TRUE	89951	rodent	wildlife	rodent
12087	3/15/2004	9:42	031587A	5300	TRUE	89952	porcine	livestock	hogs & pigs
12087	3/15/2004	9:42	031587A	5300	TRUE	89953	avian	avian	unspecified
12087	3/15/2004	9:42	031587A	5300	TRUE	89954	horse	livestock	equine
12087	3/15/2004	9:44	031587B	7400	TRUE	89955	waterfowl	avian	waterfowl
12087	3/15/2004	9:44	031587B	7400	TRUE	89956	unknown	unknown	unknown
12087	3/15/2004	9:44	031587B	7400	TRUE	89957	avian	avian	unspecified
12087	3/15/2004	9:44	031587B	7400	TRUE	89958	horse	livestock	equine
12087	3/15/2004	9:44	031587B	7400	TRUE	89959	rodent	wildlife	rodent
12087	3/15/2004	9:48	031587C	5000	TRUE	89960	porcine	livestock	hogs & pigs
12087	3/15/2004	9:48	031587C	5000	TRUE	89961	rodent	wildlife	rodent
12087	3/15/2004	9:48	031587C	5000	TRUE	89962	canine	pets	dog

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12087	3/15/2004	9:48	031587C	5000	TRUE	89963	avian	avian	unspecifie d
12087	3/15/2004	9:48	031587C	5000	TRUE	89964	avian	avian	unspecifie d
12087	3/15/2004	9:48	031587C	5000	TRUE	89965	opossum	wildlife	mammals
12087	3/15/2004	9:50	031587D	2600	TRUE	89966	porcine	livestock	hogs & pigs
12087	3/15/2004	9:50	031587D	2600	TRUE	89967	horse	livestock	equine
12087	3/15/2004	9:50	031587D	2600	TRUE	89968	avian	avian	unspecifie d
12087	3/15/2004	9:50	031587D	2600	TRUE	89969	porcine	livestock	hogs & pigs
12087	3/15/2004	9:50	031587D	2600	TRUE	89970	raccoon	wildlife	raccoon
12087	3/15/2004	9:52	031587E	7000	TRUE	89971	avian	avian	unspecifie d
12087	3/15/2004	9:52	031587E	7000	TRUE	89972	bovine	livestock	cattle
12087	3/15/2004	9:52	031587E	7000	TRUE	89973	porcine	livestock	hogs & pigs
12087	3/15/2004	9:52	031587E	7000	TRUE	89974	coyote	wildlife	coyote
12087	3/15/2004	9:52	031587E	7000	TRUE	89975	unknown	unknown	unknown
12087	4/6/2004	10:4 5	040687A	97	FALSE	90878	unknown	unknown	unknown
12087	4/6/2004	10:4 5	040687A	97	FALSE	90879	waterfowl	avian	waterfowl
12087	4/6/2004	10:4 5	040687A	97	FALSE	90880	porcine	livestock	hogs & pigs
12087	4/6/2004	10:4 5	040687A	97	FALSE	90881	porcine	livestock	hogs & pigs
12087	4/6/2004	10:4 5	040687A	97	FALSE	90882	waterfowl	avian	waterfowl
12087	4/6/2004	10:4 5	040687B	110	FALSE	90883	unknown	unknown	unknown
12087	4/6/2004	10:4 5	040687B	110	FALSE	90884	waterfowl	avian	waterfowl
12087	4/6/2004	10:4 5	040687B	110	FALSE	90885	raccoon	wildlife	raccoon

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12087	4/6/2004	10:45	040687B	110	FALSE	90886	waterfowl	avian	waterfowl
12087	4/6/2004	10:45	040687C	100	FALSE	90887	avian	avian	unspecified
12087	4/6/2004	10:45	040687C	100	FALSE	90888	unknown	unknown	unknown
12087	4/6/2004	10:45	040687C	100	FALSE	90889	rodent	wildlife	rodent
12087	4/6/2004	10:45	040687D	75	FALSE	90890	unknown	unknown	unknown
12087	4/6/2004	10:45	040687D	75	FALSE	90891	raccoon	wildlife	raccoon
12087	4/6/2004	10:45	040687D	75	FALSE	90892	porcine	livestock	hogs & pigs
12087	4/6/2004	10:45	040687D	75	FALSE	90893	rodent	wildlife	rodent
12087	4/6/2004	10:45	040687E	130	FALSE	90894	waterfowl	avian	waterfowl
12087	4/6/2004	10:45	040687E	130	FALSE	90895	goat	livestock	goat
12087	4/6/2004	10:45	040687E	130	FALSE	90896	bovine	livestock	cattle
12087	4/6/2004	10:45	040687E	130	FALSE	90897	bovine	livestock	cattle
12087	5/4/2004	10:40	050487A	570	FALSE	91233	bovine	livestock	cattle
12087	5/4/2004	10:40	050487A	570	FALSE	91234	avian	avian	unspecified
12087	5/4/2004	10:40	050487A	570	FALSE	91235	avian	avian	unspecified
12087	5/4/2004	10:40	050487A	570	FALSE	91236	avian	avian	unspecified
12087	5/4/2004	10:40	050487B	580	FALSE	91237	bovine	livestock	cattle
12087	5/4/2004	10:40	050487B	580	FALSE	91238	poultry	avian	poultry
12087	5/4/2004	10:40	050487B	580	FALSE	91239	avian	avian	unspecified

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
		0							d
12087	5/4/2004	10:40	050487B	580	FALSE	91240	deer	wildlife	deer/elk
12087	5/4/2004	10:40	050487B	580	FALSE	91241	porcine	livestock	hogs & pigs
12087	5/4/2004	10:40	050487C	530	FALSE	91242	unknown	unknown	unknown
12087	5/4/2004	10:40	050487C	530	FALSE	91243	porcine	livestock	hogs & pigs
12087	5/4/2004	10:40	050487C	530	FALSE	91244	rodent	wildlife	rodent
12087	5/4/2004	10:40	050487C	530	FALSE	91245	bovine	livestock	cattle
12087	5/4/2004	10:40	050487D	560	FALSE	91246	porcine	livestock	hogs & pigs
12087	5/4/2004	10:40	050487D	560	FALSE	91247	unknown	unknown	unknown
12087	5/4/2004	10:40	050487D	560	FALSE	91248	avian	avian	unspecifie d
12087	5/4/2004	10:40	050487D	560	FALSE	91249	canine	pets	dog
12087	5/4/2004	10:40	050487E	590	FALSE	91250	unknown	unknown	unknown
12087	5/4/2004	10:40	050487E	590	FALSE	91251	unknown	unknown	unknown
12087	5/4/2004	10:40	050487E	590	FALSE	91252	porcine	livestock	hogs & pigs
12087	5/4/2004	10:40	050487E	590	FALSE	91253	porcine	livestock	hogs & pigs
12087	5/25/2004	12:00	052587A	130	FALSE	93347	avian	avian	unspecifie d
12087	5/25/2004	12:00	052587A	130	FALSE	93348	unknown	unknown	unknown
12087	5/25/2004	12:00	052587A	130	FALSE	93349	porcine	livestock	hogs & pigs
12087	5/25/2004	12:00	052587A	130	FALSE	93350	unknown	unknown	unknown

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12087	5/25/2004	12:00	052587B	120	FALSE	93351	bovine	livestock	cattle
12087	5/25/2004	12:00	052587B	120	FALSE	93352	sewage	human	sewage
12087	5/25/2004	12:00	052587B	120	FALSE	93353	porcine	livestock	hogs & pigs
12087	5/25/2004	12:00	052587B	120	FALSE	93354	canine	pets	dog
12087	5/25/2004	12:00	052587C	100	FALSE	93355	canine	pets	dog
12087	5/25/2004	12:00	052587C	100	FALSE	93356	canine	pets	dog
12087	5/25/2004	12:00	052587C	100	FALSE	93357	porcine	livestock	hogs & pigs
12087	5/25/2004	12:00	052587C	100	FALSE	93358	avian	avian	unspecified
12087	5/25/2004	12:00	052587D	130	FALSE	93359	bovine	livestock	cattle
12087	5/25/2004	12:00	052587D	130	FALSE	93360	unknown	unknown	unknown
12087	5/25/2004	12:00	052587D	130	FALSE	93361	unknown	unknown	unknown
12087	5/25/2004	12:00	052587D	130	FALSE	93362	avian	avian	unspecified
12087	5/25/2004	12:00	052587D	130	FALSE	93363	dog	pets	dog
12087	5/25/2004	12:00	052587E	77	FALSE	93364	unknown	unknown	unknown
12087	5/25/2004	12:00	052587E	77	FALSE	93365	waterfowl	avian	waterfowl
12087	5/25/2004	12:00	052587E	77	FALSE	93366	rodent	wildlife	rodent
12087	5/25/2004	12:00	052587E	77	FALSE	93367	avian	avian	unspecified
12087	6/22/2004	11:30	062287A	140	FALSE	96408	waterfowl	avian	waterfowl
12087	6/22/2004	11:30	062287A	140	FALSE	96409	bovine	livestock	cattle



Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
		0							
12087	6/22/2004	11:32	062287C	140	FALSE	96410	waterfowl	avian	waterfowl
12087	6/22/2004	11:32	062287C	140	FALSE	96411	avian	avian	unspecified
12087	6/22/2004	11:33	062287D	100	FALSE	96412	bovine	livestock	cattle
12087	6/22/2004	11:33	062287D	100	FALSE	96413	waterfowl	avian	waterfowl
12087	6/22/2004	11:33	062287D	100	FALSE	96414	avian	avian	unspecified
12087	6/22/2004	11:34	062287E	140	FALSE	96415	waterfowl	avian	waterfowl
12087	6/22/2004	11:34	062287E	140	FALSE	96416	horse	livestock	equine
12087	7/13/2004	11:34	071387E	430	FALSE	97133	human	human	human
12087	8/10/2004	10:00	081087A	98	FALSE	99662	unknown	unknown	unknown
12087	8/10/2004	10:01	081087B	63	FALSE	99663	unknown	unknown	unknown
12087	8/10/2004	10:01	081087B	63	FALSE	99664	avian	avian	unspecified
12087	8/10/2004	10:02	081087C	83	FALSE	99665	avian	avian	unspecified
12087	8/10/2004	10:02	081087C	83	FALSE	99666	avian	avian	unspecified
12087	8/10/2004	10:02	081087C	83	FALSE	99667	dog	pets	dog
12087	8/10/2004	10:03	081087D	92	FALSE	99668	dog	pets	dog
12087	8/10/2004	10:04	081087E	85	FALSE	99669	porcine	livestock	hogs & pigs
12087	8/24/2004	10:00	082487A	22	FALSE	101055	rodent	wildlife	rodent
12087	8/24/2004	10:00	082487A	22	FALSE	101056	waterfowl	avian	waterfowl

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12087	8/24/2004	10:01	082487B	63	FALSE	101057	sewage	human	sewage
12087	8/24/2004	10:01	082487B	63	FALSE	101058	bovine	livestock	cattle
12087	8/24/2004	10:02	082487C	40	FALSE	101059	porcine	livestock	hogs & pigs
12087	8/24/2004	10:02	082487C	40	FALSE	101060	rodent	wildlife	rodent
12087	8/24/2004	10:02	082487C	40	FALSE	101061	rodent	wildlife	rodent
12087	8/24/2004	10:03	082487D	43	FALSE	101062	bovine	livestock	cattle
12087	8/24/2004	10:03	082487D	43	FALSE	101063	rodent	wildlife	rodent
12087	8/24/2004	10:04	082487E	17	FALSE	101064	bovine	livestock	cattle
12087	8/24/2004	10:04	082487E	17	FALSE	101065	raccoon	wildlife	raccoon
12087	9/28/2004	11:10	092887A	35	FALSE	102529	unknown	unknown	unknown
12087	9/28/2004	11:12	092887B	42	FALSE	102422	unknown	unknown	unknown
12087	9/28/2004	11:16	092887D	37	FALSE	102530	horse	livestock	equine
12087	10/12/2004	12:58	101287A	115	FALSE	102786	unknown	unknown	unknown
12087	10/12/2004	12:58	101287A	115	FALSE	102787	canine	pets	dog
12087	10/12/2004	12:58	101287A	115	FALSE	102788	avian	avian	unspecified
12087	10/12/2004	13:00	101287B	130	FALSE	102789	unknown	unknown	unknown
12087	10/12/2004	13:00	101287B	130	FALSE	102790	avian	avian	unspecified
12087	10/12/2004	13:00	101287B	130	FALSE	102791	opossum	wildlife	mammals
12087	10/12/2004	13:00	101287C	125	FALSE	102792	waterfowl	avian	waterfowl

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
	4	2							
12087	10/12/2004	13:02	101287C	125	FALSE	102793	opossum	wildlife	mammals
12087	10/12/2004	13:02	101287C	125	FALSE	102794	waterfowl	avian	waterfowl
12087	10/12/2004	13:04	101287D	97	FALSE	102795	horse	livestock	equine
12087	10/12/2004	13:04	101287D	97	FALSE	102796	sewage	human	sewage
12087	10/12/2004	13:04	101287D	97	FALSE	102797	canine	pets	dog
12087	10/12/2004	13:06	101287E	120	FALSE	102798	sewage	human	sewage
12087	10/12/2004	13:06	101287E	120	FALSE	102799	avian	avian	unspecified
12087	10/12/2004	13:06	101287E	120	FALSE	102800	porcine	livestock	hogs & pigs
12087	10/12/2004	13:06	101287E	120	FALSE	102801	bovine	livestock	cattle
12087	11/2/2004	11:10	110287A	1080	TRUE	103326	porcine	livestock	hogs & pigs
12087	11/2/2004	11:10	110287A	1080	TRUE	103327	rodent	wildlife	rodent
12087	11/2/2004	11:12	110287B	1000	TRUE	103328	rodent	wildlife	rodent
12087	11/2/2004	11:12	110287B	1000	TRUE	103329	unknown	unknown	unknown
12087	11/2/2004	11:14	110287C	1190	TRUE	103330	rodent	wildlife	rodent
12087	11/2/2004	11:14	110287C	1190	TRUE	103331	avian	avian	unspecified
12087	11/2/2004	11:16	110287D	1110	TRUE	103332	canine	pets	dog
12087	11/2/2004	11:16	110287D	1110	TRUE	103333	horse	livestock	equine
12087	11/2/2004	11:18	110287E	1250	TRUE	103334	canine	pets	dog

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12087	11/2/2004	11:18	110287E	1250	TRUE	103335	porcine	livestock	hogs & pigs
12087	11/23/2004	11:25	112387A	6200	TRUE	103842	porcine	livestock	hogs & pigs
12087	11/23/2004	11:25	112387A	6200	TRUE	103843	horse	livestock	equine
12087	11/23/2004	11:26	112387B	7500	TRUE	103844	waterfowl	avian	waterfowl
12087	11/23/2004	11:26	112387B	7500	TRUE	103845	deer	wildlife	deer/elk
12087	11/23/2004	11:27	112387C	7100	TRUE	103846	avian	avian	unspecified
12087	11/23/2004	11:27	112387C	7100	TRUE	103847	skunk	wildlife	mammals
12087	11/23/2004	11:28	112387D	7300	TRUE	103848	avian	avian	unspecified
12087	11/23/2004	11:28	112387D	7300	TRUE	103849	horse	livestock	equine
12087	11/23/2004	11:29	112387E	5900	TRUE	103850	deer	wildlife	deer/elk
12087	11/23/2004	11:29	112387E	5900	TRUE	103851	porcine	livestock	hogs & pigs
12087	11/23/2004	11:29	112387E	5900	TRUE	103852	avian	avian	unspecified
12090	3/15/2004	8:53	031590A	12400	TRUE	90003	unknown	unknown	unknown
12090	3/15/2004	8:53	031590A	12400	TRUE	90004	sewage	human	sewage
12090	3/15/2004	8:53	031590A	12400	TRUE	90005	porcine	livestock	hogs & pigs
12090	3/15/2004	8:53	031590A	12400	TRUE	90006	avian	avian	unspecified
12090	3/15/2004	8:53	031590A	12400	TRUE	90007	rodent	wildlife	rodent
12090	3/15/2004	8:55	031590B	12800	TRUE	90008	avian	avian	unspecified
12090	3/15/2004	8:55	031590B	12800	TRUE	90009	unknown	unknown	unknown
12090	3/15/2004	8:55	031590B	12800	TRUE	90010	waterfowl	avian	waterfowl
12090	3/15/2004	8:55	031590B	12800	TRUE	90011	unknown	unknown	unknown

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12090	3/15/2004	8:55	031590B	12800	TRUE	90012	bovine	livestock	cattle
12090	3/15/2004	8:57	031590C	2800	TRUE	90013	bovine	livestock	cattle
12090	3/15/2004	8:57	031590C	2800	TRUE	90014	opossum	wildlife	mammals
12090	3/15/2004	8:57	031590C	2800	TRUE	90015	opossum	wildlife	mammals
12090	3/15/2004	8:57	031590C	2800	TRUE	90016	bovine	livestock	cattle
12090	3/15/2004	8:57	031590C	2800	TRUE	90017	bovine	livestock	cattle
12090	3/15/2004	8:59	031590D	2500	TRUE	90018	horse	livestock	equine
12090	3/15/2004	8:59	031590D	2500	TRUE	90019	waterfowl	avian	waterfowl
12090	3/15/2004	8:59	031590D	2500	TRUE	90020	unknown	unknown	unknown
12090	3/15/2004	8:59	031590D	2500	TRUE	90021	unknown	unknown	unknown
12090	3/15/2004	8:59	031590D	2500	TRUE	90022	unknown	unknown	unknown
12090	3/15/2004	8:59	031590D	2500	TRUE	90023	canine	pets	dog
12090	3/15/2004	9:03	031590E	3000	TRUE	90024	rodent	wildlife	rodent
12090	3/15/2004	9:03	031590E	3000	TRUE	90025	avian	avian	unspecifie d
12090	3/15/2004	9:03	031590E	3000	TRUE	90026	avian	avian	unspecifie d
12090	3/15/2004	9:03	031590E	3000	TRUE	90027	bovine	livestock	cattle
12090	3/15/2004	9:03	031590E	3000	TRUE	90028	waterfowl	avian	waterfowl
12090	4/6/2004	11:55	040690A	1240	TRUE	90913	human	human	human
12090	4/6/2004	11:55	040690A	1240	TRUE	90914	unknown	unknown	unknown
12090	4/6/2004	11:55	040690A	1240	TRUE	90915	sewage	human	sewage
12090	4/6/2004	11:55	040690A	1240	TRUE	90916	deer	wildlife	deer/elk
12090	4/6/2004	11:55	040690B	690	TRUE	90917	opossum	wildlife	mammals
12090	4/6/2004	11:55	040690B	690	TRUE	90918	deer	wildlife	deer/elk
12090	4/6/2004	11:55	040690B	690	TRUE	90919	sewage	human	sewage
12090	4/6/2004	11:55	040690B	690	TRUE	90920	avian	avian	unspecifie d

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12090	4/6/2004	11:55	040690B	690	TRUE	90921	rodent	wildlife	rodent
12090	4/6/2004	11:55	040690C	1130	TRUE	90922	rodent	wildlife	rodent
12090	4/6/2004	11:55	040690C	1130	TRUE	90923	horse	livestock	equine
12090	4/6/2004	11:55	040690C	1130	TRUE	90924	unknown	unknown	unknown
12090	4/6/2004	11:55	040690C	1130	TRUE	90925	sewage	human	sewage
12090	4/6/2004	11:55	040690D	920	TRUE	90926	porcine	livestock	hogs & pigs
12090	4/6/2004	11:55	040690D	920	TRUE	90927	bovine	livestock	cattle
12090	4/6/2004	11:55	040690D	920	TRUE	90928	unknown	unknown	unknown
12090	4/6/2004	11:55	040690D	920	TRUE	90929	bovine	livestock	cattle
12090	4/6/2004	11:55	040690E	730	TRUE	90930	avian	avian	unspecified
12090	4/6/2004	11:55	040690E	730	TRUE	90931	bovine	livestock	cattle
12090	4/6/2004	11:55	040690E	730	TRUE	90932	rodent	wildlife	rodent
12090	4/6/2004	11:55	040690E	730	TRUE	90933	avian	avian	unspecified
12090	5/4/2004	11:18	050490A	420	FALSE	91254	unknown	unknown	unknown
12090	5/4/2004	11:18	050490A	420	FALSE	91255	horse	livestock	equine
12090	5/4/2004	11:18	050490A	420	FALSE	91256	raccoon	wildlife	raccoon
12090	5/4/2004	11:18	050490A	420	FALSE	91257	deer	wildlife	deer/elk
12090	5/4/2004	11:18	050490B	390	FALSE	91258	horse	livestock	equine
12090	5/4/2004	11:18	050490B	390	FALSE	91259	bovine	livestock	cattle

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
		8							
12090	5/4/2004	11:18	050490B	390	FALSE	91260	bovine	livestock	cattle
12090	5/4/2004	11:18	050490B	390	FALSE	91261	bovine	livestock	cattle
12090	5/4/2004	11:18	050490B	390	FALSE	91262	sewage	human	sewage
12090	5/4/2004	11:18	050490C	210	FALSE	91263	unknown	unknown	unknown
12090	5/4/2004	11:18	050490C	210	FALSE	91264	opossum	wildlife	mammals
12090	5/4/2004	11:18	050490C	210	FALSE	91265	avian	avian	unspecified
12090	5/4/2004	11:18	050490C	210	FALSE	91266	canine	pets	dog
12090	5/4/2004	11:18	050490D	330	FALSE	91267	unknown	unknown	unknown
12090	5/4/2004	11:18	050490D	330	FALSE	91268	raccoon	wildlife	raccoon
12090	5/4/2004	11:18	050490D	330	FALSE	91269	unknown	unknown	unknown
12090	5/4/2004	11:18	050490D	330	FALSE	91270	avian	avian	unspecified
12090	5/4/2004	11:18	050490E	400	FALSE	91271	avian	avian	unspecified
12090	5/4/2004	11:18	050490E	400	FALSE	91272	rodent	wildlife	rodent
12090	5/4/2004	11:18	050490E	400	FALSE	91273	waterfowl	avian	waterfowl
12090	5/4/2004	11:18	050490E	400	FALSE	91274	avian	avian	unspecified
12090	5/25/2004	12:50	052590A	220	FALSE	93368	avian	avian	unspecified
12090	5/25/2004	12:50	052590A	220	FALSE	93369	avian	avian	unspecified
12090	5/25/2004	12:50	052590A	220	FALSE	93370	avian	avian	unspecified

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12090	5/25/2004	12:50	052590A	220	FALSE	93371	horse	livestock	equine
12090	5/25/2004	12:50	052590B	160	FALSE	93372	sewage	human	sewage
12090	5/25/2004	12:50	052590B	160	FALSE	93373	avian	avian	unspecified
12090	5/25/2004	12:50	052590B	160	FALSE	93374	bovine	livestock	cattle
12090	5/25/2004	12:50	052590B	160	FALSE	93375	avian	avian	unspecified
12090	5/25/2004	12:50	052590C	130	FALSE	93376	rodent	wildlife	rodent
12090	5/25/2004	12:50	052590C	130	FALSE	93377	avian	avian	unspecified
12090	5/25/2004	12:50	052590C	130	FALSE	93378	coyote	wildlife	coyote
12090	5/25/2004	12:50	052590C	130	FALSE	93379	rodent	wildlife	rodent
12090	5/25/2004	12:50	052590D	150	FALSE	93380	deer	wildlife	deer/elk
12090	5/25/2004	12:50	052590D	150	FALSE	93381	deer	wildlife	deer/elk
12090	5/25/2004	12:50	052590D	150	FALSE	93382	unknown	unknown	unknown
12090	5/25/2004	12:50	052590D	150	FALSE	93383	sewage	human	sewage
12090	5/25/2004	12:50	052590D	150	FALSE	93384	sewage	human	sewage
12090	5/25/2004	12:50	052590E	130	FALSE	93385	bovine	livestock	cattle
12090	5/25/2004	12:50	052590E	130	FALSE	93386	porcine	livestock	hogs & pigs
12090	5/25/2004	12:50	052590E	130	FALSE	93387	avian	avian	unspecified
12090	5/25/2004	12:50	052590E	130	FALSE	93388	avian	avian	unspecified
12090	6/22/2004	12:1	062290A	3400	TRUE	96429	sewage	human	sewage



Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
		0							
12090	6/22/2004	12:10	062290A	3400	TRUE	96430	rodent	wildlife	rodent
12090	7/13/2004	12:05	071390A	230	FALSE	97134	dog	pets	dog
12090	7/13/2004	12:05	071390A	230	FALSE	97135	unknown	unknown	unknown
12090	8/10/2004	9:20	081090A	22	FALSE	99646	bovine	livestock	cattle
12090	8/10/2004	9:20	081090A	22	FALSE	99683	bovine	livestock	cattle
12090	8/10/2004	9:20	081090A	22	FALSE	99684	horse	livestock	equine
12090	8/10/2004	9:20	081090A	22	FALSE	99685	rodent	wildlife	rodent
12090	8/10/2004	9:21	081090B	20	FALSE	99679	avian	avian	unspecified
12090	8/10/2004	9:21	081090B	20	FALSE	99686	raccoon	wildlife	raccoon
12090	8/10/2004	9:21	081090B	20	FALSE	99687	waterfowl	avian	waterfowl
12090	8/10/2004	9:21	081090B	20	FALSE	99688	canine	pets	dog
12090	8/10/2004	9:22	081090C	27	FALSE	99680	coyote	wildlife	coyote
12090	8/10/2004	9:22	081090C	27	FALSE	99681	coyote	wildlife	coyote
12090	8/10/2004	9:22	081090C	27	FALSE	99689	waterfowl	avian	waterfowl
12090	8/10/2004	9:22	081090C	27	FALSE	99690	sewage	human	sewage
12090	8/10/2004	9:22	081090C	27	FALSE	99691	sewage	human	sewage
12090	8/10/2004	9:23	081090D	18	FALSE	99692	bovine	livestock	cattle
12090	8/10/2004	9:23	081090D	18	FALSE	99693	avian	avian	unspecified
12090	8/10/2004	9:24	081090E	13	FALSE	99694	sewage	human	sewage
12090	8/10/2004	9:24	081090E	13	FALSE	99695	unknown	unknown	unknown
12090	8/10/2004	9:24	081090E	13	FALSE	99696	horse	livestock	equine
12090	8/24/2004	9:25	082490A	240	FALSE	101069	unknown	unknown	unknown
12090	8/24/2004	9:25	082490A	240	FALSE	101070	rodent	wildlife	rodent
12090	8/24/2004	9:26	082490B	170	FALSE	101071	unknown	unknown	unknown
12090	8/24/2004	9:26	082490B	170	FALSE	101072	avian	avian	unspecified
12090	8/24/2004	9:27	082490C	300	FALSE	101073	human	human	human
12090	8/24/2004	9:27	082490C	300	FALSE	101074	sewage	human	sewage
12090	8/24/2004	9:28	082490D	160	FALSE	101075	bovine	livestock	cattle

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12090	8/24/2004	9:28	082490D	160	FALSE	101076	bovine	livestock	cattle
12090	8/24/2004	9:29	082490E	160	FALSE	101077	sewage	human	sewage
12090	8/24/2004	9:29	082490E	160	FALSE	101078	sewage	human	sewage
12090	9/28/2004	10:06	092890A	70	FALSE	102425	bovine	livestock	cattle
12090	9/28/2004	10:06	092890A	70	FALSE	102426	raccoon	wildlife	raccoon
12090	9/28/2004	10:08	092890B	42	FALSE	102427	deer	wildlife	deer/elk
12090	9/28/2004	10:08	092890B	42	FALSE	102428	canine	pets	dog
12090	9/28/2004	10:10	092890C	40	FALSE	102429	avian	avian	unspecified
12090	9/28/2004	10:10	092890C	40	FALSE	102430	waterfowl	avian	waterfowl
12090	9/28/2004	10:12	092890D	37	FALSE	102431	canine	pets	dog
12090	9/28/2004	10:12	092890D	37	FALSE	102432	rodent	wildlife	rodent
12090	9/28/2004	10:12	092890D	37	FALSE	102433	waterfowl	avian	waterfowl
12090	9/28/2004	10:14	092890E	30	FALSE	102434	sewage	human	sewage
12090	9/28/2004	10:14	092890E	30	FALSE	102435	canine	pets	dog
12090	9/28/2004	10:14	092890E	30	FALSE	102436	canine	pets	dog
12090	10/12/2004	12:22	101290A	880	FALSE	102771	canine	pets	dog
12090	10/12/2004	12:22	101290A	880	FALSE	102772	sewage	human	sewage
12090	10/12/2004	12:22	101290A	880	FALSE	102773	porcine	livestock	hogs & pigs
12090	10/12/2004	12:24	101290B	450	FALSE	102774	sewage	human	sewage
12090	10/12/2004	12:24	101290B	450	FALSE	102775	unknown	unknown	unknown

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
12090	10/12/2004	12:24	101290B	450	FALSE	102776	avian	avian	unspecified
12090	10/12/2004	12:26	101290C	440	FALSE	102777	horse	livestock	equine
12090	10/12/2004	12:26	101290C	440	FALSE	102778	bovine	livestock	cattle
12090	10/12/2004	12:26	101290C	440	FALSE	102779	horse	livestock	equine
12090	10/12/2004	12:28	101290D	180	FALSE	102780	waterfowl	avian	waterfowl
12090	10/12/2004	12:28	101290D	180	FALSE	102781	canine	pets	dog
12090	10/12/2004	12:28	101290D	180	FALSE	102782	canine	pets	dog
12090	10/12/2004	12:28	101290D	180	FALSE	102783	horse	livestock	equine
12090	10/12/2004	12:30	101290E	490	FALSE	102784	rodent	wildlife	rodent
12090	10/12/2004	12:30	101290E	490	FALSE	102785	canine	pets	dog
12090	11/2/2004	10:31	110290A	4400	TRUE	103336	sewage	human	sewage
12090	11/2/2004	10:31	110290A	4400	TRUE	103337	canine	pets	dog
12090	11/2/2004	10:33	110290B	6000	TRUE	103338	canine	pets	dog
12090	11/2/2004	10:33	110290B	6000	TRUE	103339	bovine	livestock	cattle
12090	11/2/2004	10:35	110290C	5000	TRUE	103340	horse	livestock	equine
12090	11/2/2004	10:35	110290C	5000	TRUE	103341	horse	livestock	equine
12090	11/2/2004	10:35	110290C	5000	TRUE	103342	horse	livestock	equine
12090	11/2/2004	10:37	110290D	4800	TRUE	103343	unknown	unknown	unknown
12090	11/2/2004	10:3	110290D	4800	TRUE	103344	horse	livestock	equine

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
		7							
12090	11/2/2004	10:39	110290E	3000	TRUE	103345	horse	livestock	equine
12090	11/2/2004	10:39	110290E	3000	TRUE	103346	horse	livestock	equine
12090	11/23/2004	10:46	112390A	>20,000	TRUE	103832	unknown	unknown	unknown
12090	11/23/2004	10:46	112390A	>20,000	TRUE	103833	bovine	livestock	cattle
12090	11/23/2004	10:47	112390B	>20,000	TRUE	103834	rodent	wildlife	rodent
12090	11/23/2004	10:47	112390B	>20,000	TRUE	103835	sewage	human	sewage
12090	11/23/2004	10:48	112390C	>20,000	TRUE	103836	unknown	unknown	unknown
12090	11/23/2004	10:48	112390C	>20,000	TRUE	103837	porcine	livestock	hogs & pigs
12090	11/23/2004	10:49	112390D	>20,000	TRUE	103838	unknown	unknown	unknown
12090	11/23/2004	10:49	112390D	>20,000	TRUE	103839	rodent	wildlife	rodent
12090	11/23/2004	10:50	112390E	>20,000	TRUE	103840	porcine	livestock	hogs & pigs
12090	11/23/2004	10:50	112390E	>20,000	TRUE	103841	raccoon	wildlife	raccoon
17685	9/28/2004	9:14	092885A	13	FALSE	102526	unknown	unknown	unknown
17685	9/28/2004	9:14	092885A DUP	14	FALSE	102405	avian	avian	unspecified
17685	9/28/2004	9:14	092885A DUP	14	FALSE	102406	rodent	wildlife	rodent
17685	9/28/2004	9:14	092885A DUP	14	FALSE	102407	rodent	wildlife	rodent
17685	9/28/2004	9:16	092885B	35	FALSE	102408	avian	avian	unspecified
17685	9/28/2004	9:16	092885B	35	FALSE	102409	rodent	wildlife	rodent
17685	9/28/2004	9:20	092885D	15	FALSE	102410	bovine	livestock	cattle
17685	9/28/2004	9:20	092885D	15	FALSE	102411	horse	livestock	equine
17685	9/28/2004	9:20	092885D	15	FALSE	102412	bovine	livestock	cattle

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
17685	10/12/2004	11:04	101285A	75	FALSE	102739	rodent	wildlife	rodent
17685	10/12/2004	11:04	101285A	75	FALSE	102740	rodent	wildlife	rodent
17685	10/12/2004	11:04	101285A	75	FALSE	102741	avian	avian	unspecified
17685	10/12/2004	11:04	101285A	75	FALSE	102742	unknown	unknown	unknown
17685	10/12/2004	11:07	101285B	68	FALSE	102743	dog	pets	dog
17685	10/12/2004	11:07	101285B	68	FALSE	102744	sewage	human	sewage
17685	10/12/2004	11:07	101285B	68	FALSE	102745	rodent	wildlife	rodent
17685	10/12/2004	11:09	101285C	77	FALSE	102746	unknown	unknown	unknown
17685	10/12/2004	11:09	101285C	77	FALSE	102747	unknown	unknown	unknown
17685	10/12/2004	11:09	101285C	77	FALSE	102748	unknown	unknown	unknown
17685	10/12/2004	11:11	101285D	48	FALSE	102749	unknown	unknown	unknown
17685	10/12/2004	11:11	101285D	48	FALSE	102750	rodent	wildlife	rodent
17685	10/12/2004	11:11	101285D	48	FALSE	102751	horse	livestock	equine
17685	10/12/2004	11:13	101285E	55	FALSE	102752	rodent	wildlife	rodent
17685	10/12/2004	11:13	101285E	55	FALSE	102753	bovine	livestock	cattle
17685	10/12/2004	11:13	101285E	55	FALSE	102754	unknown	unknown	unknown
17685	11/2/2004	9:50	110285A	1030	TRUE	103313	canine	pets	dog
17685	11/2/2004	9:50	110285A	1030	TRUE	103314	avian	avian	unspecified
17685	11/2/2004	9:50	110285A DUP	1060	TRUE	103324	horse	livestock	equine
17685	11/2/2004	9:50	110285A DUP	1060	TRUE	103325	unknown	unknown	unknown

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
17685	11/2/2004	9:52	110285B	880	TRUE	103315	canine	pets	dog
17685	11/2/2004	9:52	110285B	880	TRUE	103316	avian	avian	unspecifie d
17685	11/2/2004	9:54	110285C	950	TRUE	103317	canine	pets	dog
17685	11/2/2004	9:54	110285C	950	TRUE	103318	unknown	unknown	unknown
17685	11/2/2004	9:56	110285D	850	TRUE	103319	avian	avian	unspecifie d
17685	11/2/2004	9:56	110285D	850	TRUE	103320	bovine	livestock	cattle
17685	11/2/2004	9:56	110285D	850	TRUE	103321	bovine	livestock	cattle
17685	11/2/2004	9:58	110285E	890	TRUE	103322	waterfowl	avian	waterfowl
17685	11/2/2004	9:58	110285E	890	TRUE	103323	unknown	unknown	unknown
17685	11/23/2004	10:00	112385A	16000	TRUE	103790	avian	avian	unspecifie d
17685	11/23/2004	10:00	112385A	16000	TRUE	103791	avian	avian	unspecifie d
17685	11/23/2004	10:01	112385B	18000	TRUE	103792	waterfowl	avian	waterfowl
17685	11/23/2004	10:01	112385B	18000	TRUE	103793	waterfowl	avian	waterfowl
17685	11/23/2004	10:02	112385C	17200	TRUE	103794	sewage	human	sewage
17685	11/23/2004	10:02	112385C	17200	TRUE	103795	avian	avian	unspecifie d
17685	11/23/2004	10:03	112385D	15800	TRUE	103796	horse	livestock	equine
17685	11/23/2004	10:03	112385D	15800	TRUE	103797	unknown	unknown	unknown
17685	11/23/2004	10:04	112385E	16500	TRUE	103798	canine	pets	dog
17685	11/23/2004	10:04	112385E	16500	TRUE	103799	canine	pets	dog
17686	9/28/2004	9:32	0928686A	95	FALSE	102384	bovine	livestock	cattle
17686	9/28/2004	9:32	0928686A	95	FALSE	102385	raccoon	wildlife	raccoon
17686	9/28/2004	9:32	0928686A	95	FALSE	102386	rodent	wildlife	rodent
17686	9/28/2004	9:34	0928686B	72	FALSE	102387	avian	avian	unspecifie d

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
17686	9/28/2004	9:34	0928686B DUP	73	FALSE	102437	canine	pets	dog
17686	9/28/2004	9:34	0928686B DUP	73	FALSE	102438	rodent	wildlife	rodent
17686	9/28/2004	9:34	0928686B DUP	73	FALSE	102439	canine	pets	dog
17686	9/28/2004	9:36	0928686C	93	FALSE	102388	raccoon	wildlife	raccoon
17686	9/28/2004	9:36	0928686C	93	FALSE	102389	waterfowl	avian	waterfowl
17686	9/28/2004	9:38	0928686D	65	FALSE	102520	canine	pets	dog
17686	9/28/2004	9:38	0928686D	65	FALSE	102521	unknown	unknown	unknown
17686	9/28/2004	9:38	0928686D	65	FALSE	102522	rodent	wildlife	rodent
17686	9/28/2004	9:34	0928686E	77	FALSE	102523	rodent	wildlife	rodent
17686	10/12/2004	11:56	1012686A	73	FALSE	102755	sewage	human	sewage
17686	10/12/2004	11:56	1012686A	73	FALSE	102756	sewage	human	sewage
17686	10/12/2004	11:56	1012686A	73	FALSE	102757	horse	livestock	equine
17686	10/12/2004	11:58	1012686B	67	FALSE	102758	horse	livestock	equine
17686	10/12/2004	11:58	1012686B	67	FALSE	102759	horse	livestock	equine
17686	10/12/2004	11:58	1012686B	67	FALSE	102760	rodent	wildlife	rodent
17686	10/12/2004	11:58	1012686B	67	FALSE	102761	opossum	wildlife	mammals
17686	10/12/2004	12:00	1012686C	62	FALSE	102762	waterfowl	avian	waterfowl
17686	10/12/2004	12:00	1012686C	62	FALSE	102763	horse	livestock	equine
17686	10/12/2004	12:00	1012686C	62	FALSE	102764	rodent	wildlife	rodent
17686	10/12/2004	12:02	1012686D	77	FALSE	102765	porcine	livestock	hogs & pigs
17686	10/12/2004	12:02	1012686D	77	FALSE	102766	avian	avian	unspecified

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
17686	10/12/2004	12:02	1012686D	77	FALSE	102767	human	human	human
17686	10/12/2004	12:04	1012686E	88	FALSE	102768	canine	pets	dog
17686	10/12/2004	12:04	1012686E	88	FALSE	102769	unknown	unknown	unknown
17686	10/12/2004	12:04	1012686E	88	FALSE	102770	unknown	unknown	unknown
17686	11/2/2004	10:08	1102686A	>20,000	TRUE	103380	unknown	unknown	unknown
17686	11/2/2004	10:08	1102686A	>20,000	TRUE	103381	unknown	unknown	unknown
17686	11/2/2004	10:08	1102686A	>20,000	TRUE	103382	unknown	unknown	unknown
17686	11/2/2004	10:10	1102686B	>20,000	TRUE	103383	sewage	human	sewage
17686	11/2/2004	10:10	1102686B	>20,000	TRUE	103384	avian	avian	unspecified
17686	11/2/2004	10:10	1102686B DUP	>20,000	TRUE	103385	sewage	human	sewage
17686	11/2/2004	10:10	1102686B DUP	>20,000	TRUE	103386	avian	avian	unspecified
17686	11/2/2004	10:12	1102686C	>20,000	TRUE	103387	sewage	human	sewage
17686	11/2/2004	10:12	1102686C	>20,000	TRUE	103388	raccoon	wildlife	raccoon
17686	11/2/2004	10:14	1102686D	>20,000	TRUE	103389	canine	pets	dog
17686	11/2/2004	10:14	1102686D	>20,000	TRUE	103390	rodent	wildlife	rodent
17686	11/2/2004	10:16	1102686E	>20,000	TRUE	103391	avian	avian	unspecified
17686	11/2/2004	10:16	1102686E	>20,000	TRUE	103392	rodent	wildlife	rodent
17686	11/23/2004	10:18	1123686A	8600	TRUE	103800	rodent	wildlife	rodent
17686	11/23/2004	10:18	1123686A	8600	TRUE	103801	rodent	wildlife	rodent



Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
	4	8							
17686	11/23/2004	10:18	1123686A	8600	TRUE	103802	horse	livestock	equine
17686	11/23/2004	10:19	1123686B	8000	TRUE	103803	avian	avian	unspecified
17686	11/23/2004	10:19	1123686B	8000	TRUE	103804	canine	pets	dog
17686	11/23/2004	10:20	1123686C	7100	TRUE	103805	sewage	human	sewage
17686	11/23/2004	10:20	1123686C	7100	TRUE	103806	sewage	human	sewage
17686	11/23/2004	10:21	1123686D	7300	TRUE	103807	horse	livestock	equine
17686	11/23/2004	10:21	1123686D	7300	TRUE	103808	canine	pets	dog
17686	11/23/2004	10:22	1123686E	7600	TRUE	103809	bovine	livestock	cattle
17686	11/23/2004	10:22	1123686E	7600	TRUE	103810	human	human	human
17688	3/15/2004	12:28	031588A	9300	TRUE	89976	bovine	livestock	cattle
17688	3/15/2004	12:28	031588A	9300	TRUE	89977	unknown	unknown	unknown
17688	3/15/2004	12:28	031588A	9300	TRUE	89978	waterfowl	avian	waterfowl
17688	3/15/2004	12:28	031588A	9300	TRUE	89979	rodent	wildlife	rodent
17688	3/15/2004	12:28	031588A	9300	TRUE	89980	avian	avian	unspecified
17688	3/15/2004	12:28	031588A	9300	TRUE	89981	avian	avian	unspecified
17688	3/15/2004	12:30	031588B	11000	TRUE	89982	canine	pets	dog
17688	3/15/2004	12:30	031588B	11000	TRUE	89983	sewage	human	sewage
17688	3/15/2004	12:30	031588B	11000	TRUE	89984	waterfowl	avian	waterfowl

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
17688	3/15/2004	12:30	031588B	11000	TRUE	89985	avian	avian	unspecified
17688	3/15/2004	12:30	031588B	11000	TRUE	89986	unknown	unknown	unknown
17688	3/15/2004	12:32	031588C	4100	TRUE	89987	unknown	unknown	unknown
17688	3/15/2004	12:32	031588C	4100	TRUE	89988	avian	avian	unspecified
17688	3/15/2004	12:32	031588C	4100	TRUE	89989	human	human	human
17688	3/15/2004	12:32	031588C	4100	TRUE	89990	porcine	livestock	hogs & pigs
17688	3/15/2004	12:32	031588C	4100	TRUE	89991	avian	avian	unspecified
17688	3/15/2004	12:35	031588D	13100	TRUE	89992	unknown	unknown	unknown
17688	3/15/2004	12:35	031588D	13100	TRUE	89993	waterfowl	avian	waterfowl
17688	3/15/2004	12:35	031588D	13100	TRUE	89994	avian	avian	unspecified
17688	3/15/2004	12:35	031588D	13100	TRUE	89995	sewage	human	sewage
17688	3/15/2004	12:35	031588D	13100	TRUE	89996	sewage	human	sewage
17688	3/15/2004	12:38	031588E	11700	TRUE	89997	unknown	unknown	unknown
17688	3/15/2004	12:38	031588E	11700	TRUE	89998	avian	avian	unspecified
17688	3/15/2004	12:38	031588E	11700	TRUE	89999	unknown	unknown	unknown
17688	3/15/2004	12:38	031588E	11700	TRUE	90000	unknown	unknown	unknown
17688	3/15/2004	12:38	031588E	11700	TRUE	90001	unknown	unknown	unknown
17688	3/15/2004	12:38	031588E	11700	TRUE	90002	avian	avian	unspecified
17688	4/6/2004	9:30	040688A	270	FALSE	90898	raccoon	wildlife	raccoon

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
17688	4/6/2004	9:30	040688A	270	FALSE	90899	unknown	unknown	unknown
17688	4/6/2004	9:30	040688A	270	FALSE	90900	porcine	livestock	hogs & pigs
17688	4/6/2004	9:30	040688A	270	FALSE	90901	porcine	livestock	hogs & pigs
17688	4/6/2004	9:30	040688A	270	FALSE	90902	canine	pets	dog
17688	4/6/2004	9:30	040688B	430	FALSE	90903	goat	livestock	goat
17688	4/6/2004	9:30	040688B	430	FALSE	90904	unknown	unknown	unknown
17688	4/6/2004	9:30	040688B	430	FALSE	90905	rodent	wildlife	rodent
17688	4/6/2004	9:30	040688B	430	FALSE	90906	rodent	wildlife	rodent
17688	4/6/2004	9:30	040688C	400	FALSE	90907	avian	avian	unspecifie d
17688	4/6/2004	9:30	040688C	400	FALSE	90908	sewage	human	sewage
17688	4/6/2004	9:30	040688C	400	FALSE	90909	horse	livestock	equine
17688	4/6/2004	9:30	040688C	400	FALSE	90910	avian	avian	unspecifie d
17688	4/6/2004	9:30	040688E	720	FALSE	90911	raccoon	wildlife	raccoon
17688	4/6/2004	9:30	040688E	720	FALSE	90912	canine	pets	dog
17688	5/4/2004	8:48	050488A	6600	FALSE	91175	opossum	wildlife	mammals
17688	5/4/2004	8:48	050488A	6600	FALSE	91176	raccoon	wildlife	raccoon
17688	5/4/2004	8:48	050488A	6600	FALSE	91177	raccoon	wildlife	raccoon
17688	5/4/2004	8:48	050488A	6600	FALSE	91178	unknown	unknown	unknown
17688	5/4/2004	8:48	050488B	6800	FALSE	91179	unknown	unknown	unknown
17688	5/4/2004	8:48	050488B	6800	FALSE	91180	rodent	wildlife	rodent
17688	5/4/2004	8:48	050488B	6800	FALSE	91181	rodent	wildlife	rodent
17688	5/4/2004	8:48	050488B	6800	FALSE	91182	feline	pets	cat
17688	5/4/2004	8:48	050488B	6800	FALSE	91183	unknown	unknown	unknown
17688	5/4/2004	8:48	050488C	7500	FALSE	91184	deer	wildlife	deer/elk
17688	5/4/2004	8:48	050488C	7500	FALSE	91185	sewage	human	sewage
17688	5/4/2004	8:48	050488C	7500	FALSE	91186	waterfowl	avian	waterfowl
17688	5/4/2004	8:48	050488C	7500	FALSE	91187	sewage	human	sewage
17688	5/4/2004	8:48	050488D	7200	FALSE	91188	avian	avian	unspecifie d
17688	5/4/2004	8:48	050488D	7200	FALSE	91189	unknown	unknown	unknown

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
17688	5/4/2004	8:48	050488D	7200	FALSE	91190	sewage	human	sewage
17688	5/4/2004	8:48	050488D	7200	FALSE	91191	raccoon	wildlife	raccoon
17688	5/4/2004	8:48	050488E	6200	FALSE	91192	sewage	human	sewage
17688	5/4/2004	8:48	050488E	6200	FALSE	91193	sewage	human	sewage
17688	5/4/2004	8:48	050488E	6200	FALSE	91194	raccoon	wildlife	raccoon
17688	5/4/2004	8:48	050488E	6200	FALSE	91195	raccoon	wildlife	raccoon
17688	5/25/2004	9:50	052588A	880	FALSE	93284	opossum	wildlife	mammals
17688	5/25/2004	9:50	052588A	880	FALSE	93285	unknown	unknown	unknown
17688	5/25/2004	9:50	052588A	880	FALSE	93286	unknown	unknown	unknown
17688	5/25/2004	9:50	052588A	880	FALSE	93287	horse	livestock	equine
17688	5/25/2004	9:50	052588B	920	FALSE	93288	avian	avian	unspecifie d
17688	5/25/2004	9:50	052588B	920	FALSE	93289	unknown	unknown	unknown
17688	5/25/2004	9:50	052588B	920	FALSE	93290	unknown	unknown	unknown
17688	5/25/2004	9:50	052588B	920	FALSE	93291	goat	livestock	goat
17688	5/25/2004	9:50	052588B	920	FALSE	93309	waterfowl	avian	waterfowl
17688	5/25/2004	9:50	052588B	920	FALSE	93310	rodent	wildlife	rodent
17688	5/25/2004	9:50	052588B	920	FALSE	93311	unknown	unknown	unknown
17688	5/25/2004	9:50	052588B	920	FALSE	93312	avian	avian	unspecifie d
17688	5/25/2004	9:50	052588C	780	FALSE	93292	unknown	unknown	unknown
17688	5/25/2004	9:50	052588C	780	FALSE	93293	poultry	avian	poultry
17688	5/25/2004	9:50	052588C	780	FALSE	93294	avian	avian	unspecifie d
17688	5/25/2004	9:50	052588C	780	FALSE	93295	unknown	unknown	unknown
17688	5/25/2004	9:50	052588C	780	FALSE	93313	canine	pets	dog
17688	5/25/2004	9:50	052588C	780	FALSE	93314	canine	pets	dog
17688	5/25/2004	9:50	052588C	780	FALSE	93315	sewage	human	sewage
17688	5/25/2004	9:50	052588C	780	FALSE	93316	avian	avian	unspecifie d
17688	5/25/2004	9:50	052588D	820	FALSE	93296	raccoon	wildlife	raccoon
17688	5/25/2004	9:50	052588D	820	FALSE	93297	raccoon	wildlife	raccoon
17688	5/25/2004	9:50	052588D	820	FALSE	93298	unknown	unknown	unknown
17688	5/25/2004	9:50	052588D	820	FALSE	93299	unknown	unknown	unknown

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
17688	5/25/2004	9:50	052588D	820	FALSE	93317	avian	avian	unspecifie d
17688	5/25/2004	9:50	052588D	820	FALSE	93318	avian	avian	unspecifie d
17688	5/25/2004	9:50	052588D	820	FALSE	93319	avian	avian	unspecifie d
17688	5/25/2004	9:50	052588D	820	FALSE	93320	sewage	human	sewage
17688	5/25/2004	9:50	052588D	820	FALSE	93321	unknown	unknown	unknown
17688	5/25/2004	9:50	052588E	950	FALSE	93300	unknown	unknown	unknown
17688	5/25/2004	9:50	052588E	950	FALSE	93301	unknown	unknown	unknown
17688	5/25/2004	9:50	052588E	950	FALSE	93302	canine	pets	dog
17688	5/25/2004	9:50	052588E	950	FALSE	93303	canine	pets	dog
17688	5/25/2004	9:50	052588E	950	FALSE	93304	unknown	unknown	unknown
17688	5/25/2004	9:50	052588E	950	FALSE	93322	avian	avian	unspecifie d
17688	5/25/2004	9:50	052588E	950	FALSE	93323	canine	pets	dog
17688	5/25/2004	9:50	052588E	950	FALSE	93324	sewage	human	sewage
17688	5/25/2004	9:50	052588E	950	FALSE	93325	avian	avian	unspecifie d
17688	6/22/2004	9:45	062288A	63	FALSE	96417	dog	pets	dog
17688	6/22/2004	9:45	062288A	63	FALSE	96418	canine	pets	dog
17688	6/22/2004	9:45	062288A	63	FALSE	96419	deer	wildlife	deer/elk
17688	6/22/2004	9:46	062288B	75	FALSE	96420	unknown	unknown	unknown
17688	6/22/2004	9:46	062288B	75	FALSE	96421	unknown	unknown	unknown
17688	6/22/2004	9:46	062288B	75	FALSE	96422	dog	pets	dog
17688	6/22/2004	9:46	062288B	75	FALSE	96431	rodent	wildlife	rodent
17688	6/22/2004	9:46	062288B	75	FALSE	96432	sewage	human	sewage
17688	6/22/2004	9:47	062288C	110	FALSE	96423	sewage	human	sewage
17688	6/22/2004	9:47	062288C	110	FALSE	96424	bovine	livestock	cattle
17688	6/22/2004	9:47	062288C	110	FALSE	96433	bovine	livestock	cattle
17688	6/22/2004	9:47	062288C	110	FALSE	96434	horse	livestock	equine
17688	6/22/2004	9:48	062288D	95	FALSE	96425	waterfowl	avian	waterfowl
17688	6/22/2004	9:48	062288D	95	FALSE	96426	human	human	human
17688	6/22/2004	9:48	062288D	95	FALSE	96435	bovine	livestock	cattle

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
17688	6/22/2004	9:48	062288D	95	FALSE	96436	horse	livestock	equine
17688	6/22/2004	9:49	062288E	97	FALSE	96427	canine	pets	dog
17688	6/22/2004	9:49	062288E	97	FALSE	96428	avian	avian	unspecifie d
17688	6/22/2004	9:49	062288E	97	FALSE	96437	bovine	livestock	cattle
17688	6/22/2004	9:49	062288E	97	FALSE	96438	horse	livestock	equine
17688	7/13/2004	9:45	071388A	160	FALSE	97100	sewage	human	sewage
17688	7/13/2004	9:45	071388A	160	FALSE	97101	unknown	unknown	unknown
17688	7/13/2004	9:45	071388A	160	FALSE	97102	dog	pets	dog
17688	7/13/2004	9:45	071388A	160	FALSE	97103	sewage	human	sewage
17688	7/13/2004	9:48	071388D	260	FALSE	97104	horse	livestock	equine
17688	7/13/2004	9:49	071388E	150	FALSE	97105	waterfowl	avian	waterfowl
17688	7/13/2004	9:49	071388E	150	FALSE	97106	unknown	unknown	unknown
17688	8/10/2004	11:3 5	081088A	520	FALSE	99670	rodent	wildlife	rodent
17688	8/10/2004	11:3 5	081088A	520	FALSE	99671	porcine	livestock	hogs & pigs
17688	8/10/2004	11:3 5	081088A	520	FALSE	99672	canine	pets	dog
17688	8/10/2004	11:3 6	081088B	290	FALSE	99673	avian	avian	unspecifie d
17688	8/10/2004	11:3 6	081088B	290	FALSE	99674	canine	pets	dog
17688	8/10/2004	11:3 6	081088B	290	FALSE	99675	avian	avian	unspecifie d
17688	8/10/2004	11:3 7	081088C	320	FALSE	99676	deer	wildlife	deer/elk
17688	8/10/2004	11:3 7	081088C	320	FALSE	99677	rodent	wildlife	rodent
17688	8/10/2004	11:3 8	081088D	300	FALSE	99678	poultry	avian	poultry
17688	8/10/2004	11:3 9	081088E	350	FALSE	99682	unknown	unknown	unknown
17688	8/24/2004	11:4 0	082488A	190	FALSE	101066	avian	avian	unspecifie d
17688	8/24/2004	11:4	082488A	190	FALSE	101067	coyote	wildlife	coyote

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
		0							
17688	8/24/2004	11:40	082488A	190	FALSE	101068	unknown	unknown	unknown
17688	9/28/2004	10:12	092888B	830	FALSE	102423	sewage	human	sewage
17688	9/28/2004	10:12	092888B	830	FALSE	102531	sewage	human	sewage
17688	9/28/2004	10:12	092888B	830	FALSE	102532	sewage	human	sewage
17688	9/28/2004	10:12	092888B	830	FALSE	102533	sewage	human	sewage
17688	9/28/2004	10:18	092888D DUP	570	FALSE	102424	sewage	human	sewage
17688	10/12/2004	11:30	101288A	83	FALSE	102817	sewage	human	sewage
17688	10/12/2004	11:30	101288A	83	FALSE	102818	avian	avian	unspecified
17688	10/12/2004	11:30	101288A	83	FALSE	102819	avian	avian	unspecified
17688	10/12/2004	11:32	101288B	93	FALSE	102820	porcine	livestock	hogs & pigs
17688	10/12/2004	11:32	101288B	93	FALSE	102821	porcine	livestock	hogs & pigs
17688	10/12/2004	11:32	101288B	93	FALSE	102822	poultry	avian	poultry
17688	10/12/2004	11:32	101288B	93	FALSE	102823	rodent	wildlife	rodent
17688	10/12/2004	16:24	101288C	83	FALSE	102824	canine	pets	dog
17688	10/12/2004	16:24	101288C	83	FALSE	102825	avian	avian	unspecified
17688	10/12/2004	16:24	101288C	83	FALSE	102826	sewage	human	sewage
17688	10/12/2004	11:36	101288D	78	FALSE	102827	unknown	unknown	unknown
17688	10/12/2004	11:36	101288D	78	FALSE	102828	sewage	human	sewage

Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
17688	10/12/2004	11:36	101288D	78	FALSE	102829	raccoon	wildlife	raccoon
17688	10/12/2004	11:40	101288E	77	FALSE	102830	waterfowl	avian	waterfowl
17688	10/12/2004	11:40	101288E	77	FALSE	102831	rodent	wildlife	rodent
17688	10/12/2004	11:40	101288E	77	FALSE	102832	avian	avian	unspecified
17688	11/2/2004	10:40	110288A	15800	TRUE	103406	rodent	wildlife	rodent
17688	11/2/2004	10:40	110288A	15800	TRUE	103407	unknown	unknown	unknown
17688	11/2/2004	10:41	110288B	13000	TRUE	103408	rodent	wildlife	rodent
17688	11/2/2004	10:41	110288B	13000	TRUE	103409	waterfowl	avian	waterfowl
17688	11/2/2004	10:42	110288C	16200	TRUE	103410	unknown	unknown	unknown
17688	11/2/2004	10:42	110288C	16200	TRUE	103411	unknown	unknown	unknown
17688	11/2/2004	10:43	110288D	14900	TRUE	103412	canine	pets	dog
17688	11/2/2004	10:43	110288D	14900	TRUE	103413	unknown	unknown	unknown
17688	11/2/2004	10:44	110288E	16900	TRUE	103414	avian	avian	unspecified
17688	11/2/2004	10:44	110288E	16900	TRUE	103415	avian	avian	unspecified
17688	11/23/2004	10:12	112388A	4700	TRUE	103779	sewage	human	sewage
17688	11/23/2004	10:12	112388A	4700	TRUE	103780	bovine	livestock	cattle
17688	11/23/2004	10:12	112388A	4700	TRUE	103781	bovine	livestock	cattle
17688	11/23/2004	10:13	112388B	5300	TRUE	103782	avian	avian	unspecified
17688	11/23/2004	10:13	112388B	5300	TRUE	103783	human	human	human



Station ID	Date	Time	Sample ID	E coli	Runoff?	Isolate ID	Identified Source	Super-category	Category
	4	3							
17688	11/23/2004	10:14	112388C	5500	TRUE	103784	unknown	unknown	unknown
17688	11/23/2004	10:14	112388C	5500	TRUE	103785	unknown	unknown	unknown
17688	11/23/2004	10:15	112388D	3400	TRUE	103786	avian	avian	unspecified
17688	11/23/2004	10:15	112388D	3400	TRUE	103787	rodent	wildlife	rodent
17688	11/23/2004	10:16	112388E	3900	TRUE	103788	unknown	unknown	unknown
17688	11/23/2004	10:16	112388E	3900	TRUE	103789	waterfowl	avian	waterfowl