

**Table A.1. *E. coli* and DNA results for samples collected in Oak Creek, adjacent springs and tributary washes Summer 2011.**

strm_mi	Site_ID	Type	Date	Descript	East*	North*	Elev_m	Elev_ft	Accuracy	Hold_time	E_coli	E_co_dup	E_co_dil	DNA Results			
														MS**	S***	all296	human
0.5	M13	Baseline	7/5/2011	West Fork	431602	3872890	1702	5584	18ft	2:41	9.7						
49.0	M08	Hot Spot	7/5/2011	Pine Flats	432976	3873836	1691	5549	7ft	5:00	10.5						
46.0	M09A	Hot Spot	7/5/2011	1/4 mi ds of Forest Houses	431432	3870005	1597	5241	18ft	0:28	8.5						
37.4	M45	Baseline	7/5/2011	Lomacasi	431532	3359813	1305	4280		1:04	5.2						
22.7	M32	Baseline	7/5/2011	Dry Creek Confluence	419367	3851286	1121	3678	4m	2:49	5.1						
17.0	M36	Hot Spot	7/5/2011	Page Springs Bridge	418422	3846869	1051	3448	6m	3:25	33.6						
8.9	M40	Baseline	7/5/2011	Cornville Bridge	416097	3842142	1009	3310	5m	2:53	74.9						
2.2	M41	Hot Spot	7/5/2011	Cornville Estates	416122	3838990	1012	3320	9m	4:54	37.9						
46.3	M09	Hot Spot	7/11/2011	Hoel's Wash/Forest Houses	-111.74748	34.97442			9m	1:50	19.5						
43.7	M44	Hot Spot	7/11/2011	Slide Rock	-111.75261	34.94470	1362	4469	9m	0:23	16.8						
40.5	M17	Hot Spot	7/11/2011	Indian Gardens	-111.72820	34.90914	1397	4584	5m	3:10	4.1						
40.0	M18	Hot Spot	7/11/2011	Living Springs	-111.72954	34.89975	1367	4485	6m	4:38	6.3						
34.0	M25	Hot Spot	7/11/2011	Chavez Crossing Campground	428890	3855894	1247	4092	11ft	1:14	44.1						
17.2	M36	Hot Spot	7/11/2011	Page Springs Bridge	418475	3847364	1065	3494	13ft	2:25	62.0						
12.6	M39A	Baseline	7/11/2011	below Spring Creek Confluence	416142	3845177	1007	3304	6m	1:29	70.8						
8.9	M40	Hot Spot	7/11/2011	Cornville Bridge	416102	3842149	1005	3297	6m	6:34	76.8						
0.4	M43	Baseline	7/11/2011	above Verde Confluence	413855	3837885	970	3182	3m	4:20	35.9						
0.1	M39	Hot Spot	7/11/2011	Spring Creek	-111.91485	34.74421	1023	3355	15 ft	1:13	32.8						
49.0	M08	Hot Spot	7/14/2011	Pine Flats	-111.73462	35.00505	1497	4911	7m	0:59	1.0						
37.4	M45	Baseline	7/14/2011	Lomacasi	-111.74924	34.87843	1305	4280		2:18	0.0						
22.7	M32	Baseline	7/14/2011	Dry Creek Confluence	-111.88151	34.80063	1121	3678		3:38	2.0						
2.2	M41	Hot Spot	7/14/2011	Cornville Estates	-111.91344	34.69084	1012	3320	4m	5:02	13.4						
40.5	M17	Hot Spot	7/19/2011	Indian Gardens	-111.72823	34.90922	1397	4584	13 ft	1:11	24.0						
22.7	M32	Baseline	7/19/2011	Dry Creek Confluence	-111.88151	34.80063	1121	3678		2:36	54.7						
8.9	M40	Baseline	7/19/2011	Cornville Bridge	-111.91600	34.71806	1005	3297	6m	3:55	149.7						
0.5	M13	Baseline	7/28/2011	West Fork	-111.74952	34.99648	1625		6m	1:36	6.2						
43.7	M44	Hot Spot	7/28/2011	Slide Rock	-111.75210	34.94548	1362	4469	11m	3:29	21.8	11.0					
40.0	M18	Hot Spot	7/28/2011	Living Springs	-111.72955	34.89981	1367	4485	6m	4:56	13.4	22.8					
34.0	M25	Hot Spot	7/28/2011	Chavez Crossing Campground	-111.77778	34.84285	1247	4092	11ft	5:54	18.7						
17.2	M36	Hot Spot	7/28/2011	Page Springs Bridge	-111.89086	34.76523	1060	3478	11 ft	2:14	63.7						
12.6	M39A	Baseline	7/28/2011	below Spring Creek Confluence	-111.91587	34.74511	1021	3350	11 ft	2:46	48.8						
0.4	M43	Baseline	7/28/2011	above Verde Confluence	-111.94041	34.67934	973	3193	17 ft	4:33	9.4						
0.1	M39	Hot Spot	7/28/2011	Spring Creek	-111.91485	34.74421	1023	3355	15 ft	3:27	72.3						
	M49	Stormwater	8/1/2011	Jordan Pump	-111.75561	34.87486	1300	4264	20ft	2:08	1986.28						
	M48	Stormwater	8/1/2011	Arroyo Roble	-111.75704	34.86974	1289	4229	20ft	3:51	2419.2						
	M47	Stormwater	8/1/2011	Tlaquepaque	-111.76189	34.86247	1273	4176	16ft	4:21	435.2						
	M46	Stormwater	8/1/2011	Soldier's Wash	-111.76265	34.86061	1270	4168	16ft	4:09	110.3						
2.6	M26	Stormwater	8/1/2011	Carroll Canyon 3, trail (@Shelby)	-111.80097	34.85351	1299	4263	13ft	4:04	509.9						
0.6	M27	Stormwater	8/1/2011	Carroll Canyon 2, bridge	-111.80837	34.83286	1214	3983	15ft	4:23	222.1						
0.0	M51	Stormwater	8/1/2011	Carroll Canyon 1, mouth	-111.81006	34.82558	1206	3957	16ft	4:13	472.1						
8.9	M40	Baseline	8/1/2011	Cornville Bridge	416102	3842149	1005	3297	6m	3:04	49.6						
0.5	M13	Baseline	8/2/2011	West Fork	-111.74968	34.99650	1630			3:27	17.5						
49.0	M08	Hot Spot	8/2/2011	Pine Flats	-111.73493	35.00590	1707		6m	1:51	8.6						
46.3	M09	Hot Spot	8/2/2011	Hoel's Wash/Forest Houses	-111.74785	34.97377			4m	4:47	54.6						





strm_mi	Site_ID	Type	Date	Descript	East*	North*	Elev_m	Elev_ft	Accuracy	Hold_time	E_coli	E_co_dup	E_co_dil	DNA Results					
														MS**	S***	all296	human	bovine	dog
	F6	Focus	9/20/2011	Spring ditch, AGFD	-111.900909	34.77382					5:52	272.3	187.0	<b>1</b>	<b>33</b>	<b>3</b>	<b>0</b>	<b>0</b>	na
	S107	Focus	9/20/2011	Spring ditch	-111.897561	34.77068					5:25	116.9	86.0	<b>1</b>	<b>19</b>	<b>3</b>	<b>1</b>	<b>0</b>	na
	S109	Focus	9/21/2011	Lower Indian Gardens spring, down channel	-111.72854	34.90035	1373	4506	4m		1:21	0.0	0.0	<b>1</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>0</b>	na
	S45A	Focus	9/22/2011	Spring 45 source	-111.726331	34.91233					1:23	0.0							
	S45B	Focus	9/22/2011	Spring 45 water fountain on side of house							1:13	0.0							
	S71	Focus	9/22/2011	Lower Indian Gardens spring, midway	-111.727733	34.90435					2:14	27.8		<b>1</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>0</b>	na
	S70	Focus	9/22/2011	Lower Indian Gardens spring, near runs	-111.727806	34.90273					2:37	25.6		<b>1</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>0</b>	na
	S109	Focus	9/22/2011	Lower Indian Gardens spring, down channel	-111.72854	34.90035	1373	4506	4m		3:07	8.5		<b>1</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>0</b>	na

gray highlight denotes samples from tributary streams

green highlight denotes samples from springs

no highlighting denotes Oak Creek samples

**bold numbers** mean "greater than"

*italic numbers* mean "less than"

**red font** means "out of hold time" or other attention

\* Eastings and northings are either in WGS 84 Decimal Degrees (eg. -111.727733 degrees E, 34.904349 degrees N) or in NAD 83 UTM zone 12N (eg. 418375 meters E, 3847364 meters N).

\*\*MS = Male Specific Phage

\*\*\*S = Somatic Phage