

Buck Creek Watershed Protection Plan Development Project Update

A TSSWCB 319h funded project

**Wellington
April 30, 2009**



<http://twri.tamu.edu/buckcreek>

Next 6 months:

- **Collection of KNOWN fecals**
- **Continue water sampling**
- **Isolation of *E. coli* (fecal and water)**
- **2 ?? More rain fall events**
- **Data set updated and reviewed**
- **Watershed Protection Plan**
- **Next group meeting**



Improving Life Through Science and Technology.

Who is wading in the creek?...



Texas A&M System

Type Two Recreation: wading



*Agri*LIFE **RESEARCH**

Texas A&M System

Needed Samples:

⊙ Squirrels

⊙ Fox

⊙ Raccoons

⊙ Opossums

⊙ Mule deer

⊙ Badger

⊙ Beaver

⊙ Bobcat

⊙ Coyote

⊙ Feral Hog

⊙ Turkey

⊙ Skunk

⊙ Jack Rabbit

⊙ Any dead birds

Table contains samples collected thru April 20, 2009

<i>Sample Type</i>	<i>Total # Samples Needed</i>	<i>Total # Samples Collected to date</i>	<i>Total # Samples or Isolates Received at El Paso Lab</i>	<i>Total # Samples Analyzed to date</i>		
Known Source (Fecal Samples)	100	56	NA ^a	NA		
<i>E. coli</i> isolates from fecal samples	300	27* 87 in process (114 total)	19 ^b	# ERIC- PCR	# RiboPri nt	Total Comple ted
				0	0	0
<i>E.coli</i> from water samples	550	309 sent 103 in process (406 collected)	309 ^c	# ERIC- PCR	# RiboPri nt	Total Comple ted
				67	67	67
Ambient Water <i>Bacteroidales</i>	50	72 sent 34 in process	72 ^d	72 (Completed)		

^a NA, not applicable Vernon lab will be doing isolations

^bA Excludes 1 (lab blank)

^cA Excludes 14 (lab blanks)

^dA Excludes (8 lab blanks)

*Not all produce viable isolates.

Some are fragile and do not resuscitate well.