

| COCID# | SiteID# | Historic Site ID | stream_name | sample_location | county | Sample Date | Sample Time | volunteers | associate id | Email | Phone | flow | rain | turbidity | DO | pH | Temp | Conductivity |
|--------|---------|------------------|---------------------|--|--------|-------------|-------------|------------|--------------|--|--------|------|------|-----------|-----|-----|------|--------------|
| 5559 | 490 | G09 | Russell Creek | Hwy 80 bridge, 1 mile above Columbia WTP | Adair | 9/11/2015 | 16:20 | Michael | 3574 | boselam@lindsey.edu | 270-38 | 3 | 0.5 | 1 | 6 | 7.8 | 23 | 230 |
| 5591 | 589 | G113 | Green River | Under bridge at the junction of Hwy 206 and 2289 near Neatsville | Adair | 9/11/2015 | 16:20 | Gerald H | 3576 | holtje@msn.com | 270-38 | 3 | 0.1 | 2 | 5.4 | 7.5 | 25 | 190 |
| 4802 | 590 | G114 | Little Pitman Creek | Rt. 2218 | Taylor | 9/12/2015 | 09:00 | Joel Alle | 3776 | freeman72@jesusansw | 270-46 | 3 | NA | 1 | 5.4 | 7.5 | 20 | 360 |
| 5475 | 623 | G147 | Green River | Access road to river (Goose Shoals) on the right side of 206. Turn on access road and cross over bridge. | Adair | 9/11/2015 | 15:40 | Ted Cald | 2112 | socaltlc@aol.com | 606-74 | 4 | 1.0 | 2 | 6.4 | 7.5 | 24 | 150 |
| 4803 | 640 | G164 | Meadow Creek | Bridge on gravel drive into Eagles Kestone Foods just off 3098 | Taylor | 9/12/2015 | 08:15 | Angie Fr | 2293 | angela.freeman@uky.e | 270-46 | 3 | 1.0 | 0 | 6.4 | 8.5 | 12 | 430 |
| 5608 | 656 | G180 | Goose Creek | 100 feet below footbridge in Greensburg along Water St. | Green | 9/12/2015 | 10:20 | Maggie I | 4157 | maggie.mahan013@to | 270-79 | 2 | 0.5 | 1 | 6.8 | 8 | 20 | 860 |
| 5476 | 698 | G222 | Caldwell Spring | Sanders Ridge Rd. | Adair | 9/11/2015 | 16:15 | Ted Cald | 2112 | socaltlc@aol.com | 606-74 | 2 | 1.0 | 0 | 7.2 | 7.5 | 20 | 130 |
| 5584 | 2945 | | Snake Creek | Boat ramp | Adair | 9/11/2015 | 17:15 | Gerald H | 3576 | holtje@msn.com | 270-38 | 3 | 0.1 | 1 | NA | NA | 26 | 230 |
| 5589 | 2946 | | Bryant Creek | Bridge on Avery Rooks Road | Adair | 9/11/2015 | 16:00 | Gerald H | 3576 | holtje@msn.com | 270-38 | 2 | 0.1 | 0 | 4.4 | 7.5 | 26 | 260 |
| 5466 | 2951 | | Green River | Caven Bend of Green River | Green | 9/13/2015 | 16:35 | Samuel I | 3581 | shparker96266@yahoo | 270-93 | 3 | 0.5 | 0 | 6.8 | 7.5 | 21 | NA |
| 5560 | 2995 | | Russell Creek | Downstream from Columbia WWTP | Adair | 9/11/2015 | 18:45 | Michael | 3574 | boselam@lindsey.edu | 270-38 | 3 | 0.5 | NA | 6 | 7.9 | 23.5 | 270 |
| 5561 | 2998 | | Town Branch | tribuatary that runs thru town. The site is behind LWC campus | Adair | 9/11/2015 | 14:46 | Michael | 3574 | boselam@lindsey.edu | 270-38 | 2 | 0.5 | 0 | 6.7 | 8.5 | 22 | 560 |
| 5562 | 3000 | | Pettys Fork | Off Greensburg Road (Hwy 61) 0.07 miles before Clyde Cheatam Road | Adair | 9/11/2015 | 15:35 | Michael | 3574 | boselam@lindsey.edu | 270-38 | 3 | 0.5 | 0 | 6.9 | 8.2 | 24.5 | 540 |
| 5568 | 3030 | | Green River | Downstream of dam | Taylor | 9/12/2015 | 07:45 | Michael | 3574 | boselam@lindsey.edu | 270-38 | 2 | 0.5 | 1 | 6.2 | 7.2 | 21.5 | 140 |
| 5569 | 3031 | | Cave Creek Spring | Spring at cave entrance | Taylor | 9/12/2015 | 07:15 | Michael | 3574 | boselam@lindsey.edu | 270-38 | 2 | 0.5 | 0 | 9.1 | 7.6 | 14 | 440 |
| 4804 | 3378 | | Trace Fork | Chestnut Level Road | Casey | 9/12/2015 | 07:55 | Toni Me | 4188 | tmmenk@aol.com | 606-78 | 3 | 1.0 | 0 | 7 | 7.5 | 20 | 160 |
| 4805 | 3379 | | Green River | Green River Valley Road at Ruppard's Ford | Casey | 9/12/2015 | 08:35 | Toni Me | 4188 | tmmenk@aol.com | 606-78 | 3 | 1.0 | 2 | 5 | 7.3 | 20.5 | 200 |

| COCID# | SiteID# | Historic Site ID | stream_name | sample_location | county | Sample Date | Sample Time | volunteers | associat e id | Email | Phone | flow | rain | turbidity | DO | pH | Temp | Condu ctivity |
|--------|---------|------------------|-------------------------|---|--------|-------------|-------------|------------|---------------|--|--------|------|------|-----------|-----|-----|------|---------------|
| 5504 | 3389 | | Bull Run Creek | 0.3 miles on Bull Run Road, a paved access ramp is just south of the 1st residence on the left. | Adair | 9/11/2015 | 07:30 | Ginger S | 4185 | gswift7852@aol.com | 270-38 | 2 | 1.5 | 0 | 4.8 | 8 | 20 | 370 |
| 5505 | 3425 | | Trace Fork | 37°21'21.0"N, 85°20'56.6"W Corner of Upper Miller Park Road. (Green Bridge) | Taylor | 9/12/2015 | 09:55 | Hugh an | 4241 | ioanleachman@hotmail.com | 270-40 | 3 | >1.5 | 0 | 6.6 | 7.5 | 21 | 230 |
| 5506 | 3448 | | The Quillie Cook Spring | 37°21'24.7"N, 85°20'53.1"W Miller Park | Taylor | 9/12/2015 | 09:00 | Hugh an | 4241 | ioanleachman@hotmail.com | 270-40 | 3 | >1.5 | 0 | 10 | 6.8 | 19 | 300 |

Field explanations: (REQUIRED FIELDS MARKED WITH ASTERISK)

***SITE ID** = numerical site ID# (not historic alphanumeric SITE ID)

***SAMPLE DATE** = date sample was collected

***ANALYTE NAME** = name of analyte or parameter being measured by the lab, PLEASE REFERENCE MASTER ANALYTE TABLE FOR COMMON NAMING CONVENTIONS

ANALYTE GROUP = reference to common analyte groupings for data sorting, i.e., pathogens, nutrients, pesticides, etc. SEE MASTER ANALYTE TABLE.

ANALYST = laboratory staff person responsible for analyzing the sample, can be initials only (optional field)

ANALYTE DATE = date that sample was analyzed at lab

ANALYTE TIME = time that sample was analyzed at lab, should be in 24-hour format (i.e., 2:00 pm as 14:00)

RL = REPORTING LIMIT = analyte concentration level that lab deems appropriate (if different than MDL)

RESULT MODIFIER = < or > symbols prior to a lab result (i.e., < 0.5 mg/L or < MDL)

* If possible, results that are less than MDL should be reported as such, rather than half of the MDL value, as has sometimes been recorded.

***RESULT VALUE** = numerical concentration of the analyte

***RESULT UNITS** = units of lab measurement (i.e., mg/L, micrograms/L, etc.)

MDL = Method Detection Limit = standard reporting limit of laboratory analysis method used

METHOD = name or numerical code of lab analysis method (may not be available for some historical records)

SM4110B
MDL=0.5

SM4110B
MDL=1

SM4110B
MDL=0.5

SM4110B
MDL=0.1

| COCID# | Calibration Date | General Comments | Date Received | Time Received (CST) | Temp Received (°C) | Bromide mg/L | Analysis Date | Analysis Time (EST) | Chloride mg/L | Analysis Date | Analysis Time (EST) | Fluoride mg/L | Analysis Date | Analysis Time (EST) | Nitrate mg/L |
|--------|------------------|------------------|---------------|---------------------|--------------------|--------------|---------------|---------------------|---------------|---------------|---------------------|---------------|---------------|---------------------|--------------|
| 5559 | 9/11/2015 | 0.6 inches d | 09/12/2015 | 12:40 | 4.0 | <0.5 | 9/12/2015 | 20:03 | 8 | 9/12/2015 | 20:03 | <0.5 | 9/12/2015 | 20:03 | 0.5 |
| 5591 | 9/11/2015 | none | 09/12/2015 | 12:40 | 4.0 | <0.5 | 9/12/2015 | 21:01 | 5 | 9/12/2015 | 21:09 | <0.5 | 9/12/2015 | 21:01 | 0.6 |
| 4802 | 9/12/2015 | none | 09/12/2015 | 12:40 | 4.0 | <0.5 | 9/12/2015 | 21:21 | 16 | 9/12/2015 | 21:21 | <0.5 | 9/12/2015 | 21:21 | 3.0 |
| 5475 | NA | none | 09/12/2015 | 12:40 | 4.0 | <0.5 | 9/12/2015 | 21:41 | 5 | 9/12/2015 | 21:41 | <0.5 | 9/12/2015 | 21:41 | 0.6 |
| 4803 | 9/11/2015 | none | 09/12/2015 | 12:40 | 4.0 | <0.5 | 9/12/2015 | 22:01 | 12 | 9/12/2015 | 22:01 | <0.5 | 9/12/2015 | 22:01 | 1.6 |
| 5608 | 9/12/2015 | minnows p | 09/12/2015 | 10:50 | 18 | <0.5 | 9/12/2015 | 22:21 | 56 | 9/16/2015 | 03:21 | <0.5 | 9/12/2015 | 22:21 | 0.7 |
| 5476 | 9/11/2015 | none | 09/12/2015 | 12:40 | 4.0 | <0.5 | 9/12/2015 | 22:40 | 8 | 9/12/2015 | 22:40 | <0.5 | 9/12/2015 | 22:40 | 1.3 |
| 5584 | 09/11/2015 | none | 09/12/2015 | 12:40 | 4.0 | <0.5 | 9/12/2015 | 23:00 | 6 | 9/12/2015 | 23:00 | <0.5 | 9/12/2015 | 23:00 | <0.1 |
| 5589 | 9/11/2015 | none | 09/12/2015 | 12:40 | 4.0 | <0.5 | 9/13/2015 | 0:01 | 6 | 9/13/2015 | 0:01 | <0.5 | 9/13/2015 | 0:01 | 0.3 |
| 5466 | NA | conductivit | 09/14/2015 | 09:23 | 5.2 | <0.5 | 9/15/2015 | 11:21 | 7 | 9/15/2015 | 11:21 | <0.5 | 9/15/2015 | 11:21 | 0.5 |
| 5560 | 9/11/2015 | cloudy; on a | 09/12/2015 | 12:40 | 4.0 | <0.5 | 9/13/2015 | 1:00 | 9 | 9/13/2015 | 1:00 | <0.5 | 9/13/2015 | 1:00 | 0.9 |
| 5561 | 9/11/2015 | 48 hr rainfa | 09/12/2015 | 12:40 | 4.0 | <0.5 | 9/13/2015 | 5:59 | 35 | 9/13/2015 | 5:59 | <0.5 | 9/13/2015 | 5:59 | 2.0 |
| 5562 | 9/11/2015 | 48 hr rainfa | 09/12/2015 | 12:40 | 4.0 | <0.5 | 9/13/2015 | 1:20 | 14 | 9/13/2015 | 1:20 | <0.5 | 9/13/2015 | 1:20 | 0.7 |
| 5568 | 9/11/2015 | cloudy mor | 09/12/2015 | 12:40 | 4.0 | <0.5 | 9/13/2015 | 1:39 | 3 | 9/13/2015 | 1:39 | <0.5 | 9/13/2015 | 1:39 | <0.1 |
| 5569 | 9/11/2015 | 470uS cond | 09/12/2015 | 12:40 | 4.0 | <0.5 | 9/13/2015 | 1:56 | 11 | 9/13/2015 | 1:56 | <0.5 | 9/13/2015 | 1:56 | 4.2 |
| 4804 | 9/11/2015 | none | 09/12/2015 | 12:40 | 4.0 | <0.5 | 9/13/2015 | 2:19 | 4 | 9/13/2015 | 2:19 | <0.5 | 9/13/2015 | 2:19 | 0.7 |
| 4805 | 9/11/2015 | none | 09/12/2015 | 12:40 | 4.0 | <0.5 | 9/13/2015 | 2:39 | 7 | 9/13/2015 | 2:39 | <0.5 | 9/13/2015 | 2:39 | 0.6 |

| COCID# | Calibration Date | General Comments | Date Received | Time Received (CST) | Temp Received (°C) | Bromide mg/L | Analysis Date | Analysis Time (EST) | Chloride mg/L | Analysis Date | Analysis Time (EST) | Fluoride mg/L | Analysis Date | Analysis Time (EST) | Nitrate mg/L |
|--------|------------------|------------------|---------------|---------------------|--------------------|--------------|---------------|---------------------|---------------|---------------|---------------------|---------------|---------------|---------------------|--------------|
| 5504 | 9/10/2015 | none | 09/12/2015 | 12:40 | 4.0 | <0.5 | 9/13/2015 | 4:40 | 13 | 9/13/2015 | 4:40 | <0.5 | 9/13/2015 | 4:40 | 1.9 |
| 5505 | 9/12/2015 | Not certain | 09/12/2015 | 12:40 | 4.0 | <0.5 | 9/13/2015 | 5:00 | 8 | 9/13/2015 | 5:00 | <0.5 | 9/13/2015 | 5:00 | 0.2 |
| 5506 | 9/12/2015 | Concern: W | 09/12/2015 | 12:40 | 4.0 | <0.5 | 0/15/2015 | 5:39 | 15 | 9/15/2015 | 5:39 | <0.5 | 9/15/2015 | 5:39 | 2.0 |

LAB FLAG COMMENTS = narrative comments recorded by lab

QA FLAG = letter code for lab QA issue

| description | Flag |
|--------------------------|------|
| A = Average Vali | A |
| B = Analyte In Metho | B |
| C = Confirmed by G | C |
| D = Reanalyzed at a High | D |
| E = Exceeded Calibratic | E |
| F = No Field Blar | F |
| G = Tentative on Gl | G |
| H = Uncertain Peak P | H |
| I = Improper Contz | I |
| J = Estimated Val | J |
| K = Analyte in Trip l | K |

SM4110B
MDL=0.1

SM4500-PE
MDL=0.125

SM4110B
MDL=1

SM2130B
MDL=0.08

| COCID# | Analysis Date | Analysis Time (EST) | Nitrite mg/L | Analysis Date | Analysis Time (EST) | Ortho Phosphate mg/L | Analysis Date | Analysis Time (CST) | Sulfate mg/L | Analysis Date | Analysis Time (EST) | Turbidity NTU | analyte Date | analyte Time (CST) |
|--------|---------------|---------------------|--------------|---------------|---------------------|----------------------|---------------|---------------------|--------------|---------------|---------------------|---------------|--------------|--------------------|
| 5559 | 9/12/2015 | 20:03 | <0.1 | 9/12/2015 | 20:03 | 0.164 | 9/12/2015 | 16:45 | 8 | 9/12/2015 | 20:03 | 6.00 | 9/12/2015 | 15:46 |
| 5591 | 9/12/2015 | 21:01 | <0.1 | 9/12/2015 | 21:01 | 0.184 | 9/12/2015 | 16:46 | 11 | 9/12/2015 | 21:01 | 62.7 | 9/12/2015 | 15:47 |
| 4802 | 9/12/2015 | 21:21 | <0.1 | 9/12/2015 | 21:21 | 0.252 | 9/12/2015 | 16:47 | 32 | 9/12/2015 | 21:21 | 6.99 | 9/12/2015 | 15:48 |
| 5475 | 9/12/2015 | 21:41 | <0.1 | 9/12/2015 | 21:41 | 0.178 | 9/12/2015 | 16:48 | 10 | 9/12/2015 | 21:41 | 69.1 | 9/12/2015 | 15:49 |
| 4803 | 9/12/2015 | 22:01 | <0.1 | 9/12/2015 | 22:01 | <0.125 | 9/12/2015 | 16:49 | 50 | 9/12/2015 | 22:01 | 1.9 | 9/12/2015 | 15:50 |
| 5608 | 9/12/2015 | 22:21 | <0.1 | 9/12/2015 | 22:21 | <0.125 | 9/12/2015 | 16:50 | 104 | 9/16/2015 | 3:21 | 1.79 | 9/12/2015 | 15:51 |
| 5476 | 9/12/2015 | 22:40 | <0.1 | 9/12/2015 | 22:40 | <0.125 | 9/12/2015 | 16:51 | 2 | 9/12/2015 | 22:40 | 1.62 | 9/12/2015 | 15:52 |
| 5584 | 9/12/2015 | 23:00 | <0.1 | 9/13/2015 | 23:00 | <0.125 | 9/12/2015 | 16:52 | 9 | 9/12/2015 | 23:00 | 17.3 | 9/12/2015 | 15:53 |
| 5589 | 9/13/2015 | 0:01 | <0.1 | 9/13/2015 | 0:01 | <0.125 | 9/12/2015 | 16:53 | 12 | 9/13/2015 | 0:01 | 1.57 | 9/12/2015 | 15:54 |
| 5466 | 9/15/2015 | 11:21 | <0.1 | 9/15/2015 | 11:21 | <0.125 | 9/12/2015 | 14:31 | 16 | 9/15/2015 | 11:21 | 5.75 | 9/12/2015 | 14:03 |
| 5560 | 9/13/2015 | 1:00 | <0.1 | 9/13/2015 | 1:00 | 0.184 | 9/12/2015 | 16:55 | 9 | 9/13/2015 | 1:00 | 7.39 | 9/12/2015 | 15:56 |
| 5561 | 9/13/2015 | 5:59 | <0.1 | 9/13/2015 | 5:59 | <0.125 | 9/12/2015 | 16:56 | 39 | 9/13/2015 | 5:59 | 0.685 | 9/12/2015 | 15:57 |
| 5562 | 9/13/2015 | 1:20 | <0.1 | 9/13/2015 | 1:20 | <0.125 | 9/12/2015 | 16:57 | 96 | 9/13/2015 | 1:20 | 2.18 | 9/12/2015 | 15:58 |
| 5568 | 9/13/2015 | 1:39 | <0.1 | 9/13/2015 | 1:39 | <0.125 | 9/12/2015 | 16:58 | 6 | 9/13/2015 | 1:39 | 5.17 | 9/12/2015 | 16:03 |
| 5569 | 9/13/2015 | 1:56 | <0.1 | 9/13/2015 | 1:56 | <0.125 | 9/12/2015 | 16:59 | 12 | 9/13/2015 | 1:56 | 3.19 | 9/12/2015 | 16:04 |
| 4804 | 9/13/2015 | 2:19 | <0.1 | 9/13/2015 | 2:19 | <0.125 | 9/12/2015 | 17:00 | 8 | 9/13/2015 | 2:19 | 1.71 | 9/12/2015 | 16:05 |
| 4805 | 9/13/2015 | 2:39 | <0.1 | 9/13/2015 | 2:39 | <0.125 | 9/12/2015 | 17:01 | 12 | 9/13/2015 | 2:39 | 19.2 | 9/12/2015 | 16:06 |

| COCID# | Analysis Date | Analysis Time (EST) | Nitrite mg/L | Analysis Date | Analysis Time (EST) | Ortho Phosphate mg/L | Analysis Date | Analysis Time (CST) | Sulfate mg/L | Analysis Date | Analysis Time (EST) | Turbidity NTU | analyte Date | analyte Time (CST) |
|--------|---------------|---------------------|--------------|---------------|---------------------|----------------------|---------------|---------------------|--------------|---------------|---------------------|---------------|--------------|--------------------|
| 5504 | 9/13/2015 | 4:40 | <0.1 | 9/13/2015 | 4:40 | 0.619 | 9/12/2015 | 17:02 | 15 | 9/13/2015 | 4:40 | 4.15 | 9/12/2015 | 16:07 |
| 5505 | 9/13/2015 | 5:00 | <0.1 | 9/13/2015 | 5:00 | <0.125 | 9/12/2015 | 17:03 | 11 | 9/13/2015 | 5:00 | 4.73 | 9/12/2015 | 16:08 |
| 5506 | 9/15/2015 | 5:39 | <0.1 | 9/15/2015 | 5:39 | <0.125 | 9/12/2015 | 17:04 | 15 | 9/15/2015 | 5:39 | 2.42 | 9/12/2015 | 16:09 |