

2019 FRUITLAND OUTCROP MONITORING REPORT

LA PLATA COUNTY, COLORADO

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EXECUTIVE SUMMARY

This 2019 Fruitland Outcrop Monitoring Report has been prepared on behalf of Enduring Resources, LLC; BP America Production Company (BP); and Hilcorp Energy Company (Hilcorp). These companies are collectively referred to as "The Group". The Fruitland Formation (Kf) outcrop monitoring is conducted in order to comply with the Colorado Oil and Gas Conservation Commission (COGCC) Orders 112-156 and 112-157. LT Environmental, Inc, (LTE) was tasked with monitoring the magnitude and extent of methane seepage along the Kf outcrop in La Plata County, Colorado. In addition to methane seepage, the annual monitoring event evaluates contribution of carbon dioxide and hydrogen sulfide to the seepage, presence or absence of methane in natural springs along the Kf outcrop, and presence or absence of seepage at one shut-in production well and one abandoned production well.

The 2019 methane seep survey was conducted over 1,271.64 acres of the Kf outcrop from June 12 through August 9, 2019. The surveys were conducted at seven key areas of interest along the Kf outcrop in La Plata County north of the Southern Ute Indian Tribe (SUIT) Reservation boundary, plus two additional shut-in/abandoned well locations.

LTE has conducted the seepage survey since 2007. When comparing the 2019 monitoring event to the 2012 monitoring event, the earliest event where the mappable areas are similar, the seepage area decreased by approximately 3.2 percent (%). From 2018 to 2019, the seepage area remained relatively steady, exhibiting only a 23% decrease; however, the reportable volumetric flux rate decreased significantly, by approximately 65%.

Generally, methane flux rates across the project area decreased from 2007 to 2011. From 2011 to 2017, total volumetric methane flux rates saw a net increase with two exceptions: 2012 to 2013 and 2016 to 2017. In 2018, LTE measured a flux rate of 26,101 thousand cubic feet per day (MCFD), which represented the largest (9,451 MCFD) yearly increase recorded. In 2019, however, methane flux rates abruptly declined to 9,153 MCFD, the largest 1-year (16,948 MCFD) decrease.

The total estimated volumetric carbon dioxide flux for the mapped areas on the Kf outcrop in La Plata County in 2019 was 1,238 MCFD. Hydrogen sulfide flux values along the Kf outcrop continue to remain low and most measured values were reported only slightly above the detection limit of the flux meter. Due to the low flux rates recorded, hydrogen sulfide flux for the mapped areas was not estimated.

As in past years, a mitigation system at the South Fork of Texas Creek (SFTC) continues to affect the methane flux results for the SFTC area, which consistently contributes some of the highest flux values measured. While the mitigation system does capture methane gas, it is not capable of capturing all the methane gas within the footprint of the collection system. As a result, the collection system appears to have created a preferential pathway in which methane gas appears to seep out along the edges of the footprint, resulting in elevated flux values measured. Elevated methane flux values have been recorded at the edges of the system footprint with a rapid decrease in methane flux values moving away from the system footprint. These elevated flux values affect interpolation and flux estimations for the area, leading to biased high results in 2012. Additional flux points were added in the vicinity of the SFTC mitigation system during the subsequent years to reduce the biased high effect that was observed most significantly in 2012.

Of the 12 natural springs originally identified along the Kf outcrop in La Plata County, only three natural springs were sampled June through August 2019, with comparable analytical results to previous years' results.

At the request of the COGCC, flux measurements were collected in the areas surrounding the shut-in production well Pole Barn Monitor Well #1 (API #05-067-07969) and the abandoned production well Federal 34-1/2-34-1 (API #05-067-07514). Access was not granted for the Baird 1-25 (API #05-067-06568), therefore, no flux measurements were collected at this location. Consistent with historical results, methane was not detected at any of the shut-in/abandoned production well locations above the flux meter reporting limit.

Based on the results of the 2019 Kf outcrop monitoring event, LTE recommends the following continued compliance with the COGCC orders:

- Conduct detailed methane seep mapping and flux estimation using the portable flux meter in June 2020. LTE will return to the sample locations visited during the 2019 field activities to observe changes in subsurface methane over time and space. Grid spacing will be revised based on the 2019 results.

Based on the results of the 2019 and previous year's Kf outcrop monitoring events, LTE recommends the following changes:

- Reduce the frequency of sampling of the natural springs to match the frequency of the regional reconnaissance infrared (IR) aerial survey conducted once every three years. The natural spring survey has been conducted on an annual basis since 2007, establishing data points with predictable results. Conducting the natural spring survey on 3-year intervals will allow continued addition of newly-identified springs to the data set while using resources more efficiently. The next regional reconnaissance event will occur in 2020 and subsequently continue in 3-year intervals; therefore, the next natural springs sampling will start in 2020.
- Remove three natural springs (Rancho Durango East Spring, Rancho Durango LTD Spring, and Rancho Durango North Spring) from the 2020 sampling event.

1.0 INTRODUCTION

This 2019 Fruitland Outcrop Monitoring Report has been prepared on behalf of Enduring Resources, LLC; BP, Inc. (BP); and Hilcorp Energy Company. (Hilcorp). These companies are collectively referred to as "The Group". Since 1997, LT Environmental, Inc. (LTE) has conducted methane seep monitoring along the Fruitland Formation (Kf) outcrop in La Plata County, Colorado (Figure 1). The project area is located along the northern rim of the San Juan Basin, north of the Southern Ute Indian Tribe (SUIT) Reservation boundary. The Kf outcrop monitoring is conducted in order to comply with the Colorado Oil and Gas Conservation Commission (COGCC) Orders 112-156 and 112-157.

1.1 OBJECTIVE

The objective of the methane seep monitoring program is to observe and document the relative change in methane seepage from the Kf outcrop over time and space. In total, the scope of work provides an efficient and repeatable means to characterize gas seepage, if any, in the project area by inspecting the areas with the greatest potential for seepage based on geological characteristics and historical field observations.

1.2 PROJECT AREA

The project area consists of approximately 23 miles of the Kf outcrop extending from the northern boundary of the SUIT Reservation near Basin Creek (southwest of Durango), northeast to the boundary between La Plata and Archuleta counties (Figure 1).

1.3 BACKGROUND INFORMATION

There have been several previous and continuing studies that support the overall methane seepage evaluation. Some of these studies include:

- Detailed mapping, methane seepage data collection, and mitigation in the Pine River area by BP between 1994 and 2004.
- A reconnaissance survey by Stonebrooke Energy and Environmental in 1995, on behalf of several oil and gas operators and with assistance from the Bureau of Land Management (BLM). The survey consisted of over 1,100 surface and subsurface methane sample points. In addition to Pine River, this survey identified four additional primary methane gas seepage areas including Basin Creek, Carbon Junction, Florida River, and South Fork Texas Creek (SFTC).
- Installation of 162 permanent soil gas monitoring probes by LTE in 1997, with additional probes installed at various locations since 1997, and ongoing monitoring of the points by the BLM.
- Installation of six flux chambers in the primary seepage areas and periodic monitoring of the flux chambers from 1998 to 2005. The flux chambers have since been removed.
- Annual pedestrian reconnaissance surveys of the Kf outcrop by LTE from 1998 through 2001.
- Detailed seepage mapping and an infrared (IR) imagery pilot study conducted in August 2002. The pilot study demonstrated that IR imagery is useful in identifying suspect areas based on

stressed vegetation, which can be subsequently field verified for the presence or absence of methane.

- Detailed methane seepage mapping in the known seep areas in October 2002, May 2003, May 2004, June 2005, May 2006, September 2007, and annually in June from 2008 through 2019.
- Regional reconnaissance of the 23-mile section of the Kf outcrop in the project area in July 2003, September 2005, October 2008, August 2011, August 2014, and August 2017. The regional reconnaissance included collecting IR imagery, identifying suspect areas, and field verification.
- Natural spring surveys along the 23-mile outcrop in La Plata County, north of the SUIT Reservation boundary, in September 2005, May 2006, October 2007, June and October 2008, May and October 2009, June 2010, and annually in May from 2011 through 2019.
- Private Airborne Natural Gas Emission Lidar (ANGEL) data acquisition by ITT Corporation (ITT) during the summer of 2008.
- Installation of methane mitigation systems at SFTC and at Pine River 2009.
- Expansion of the SFTC methane mitigation system during June 2010.
- Methane investigation completed at SFTC in June 2015 using a forward-looking infrared (FLIR) GF320 optical gas imaging (OGI) camera to identify the most prominent methane seepage areas at the vapor collection and barrier system and measured the rate of seepage lost through a focused methane flux survey.

1.4 SCOPE OF WORK

The scope of work for the 2019 methane seep monitoring included the following tasks:

- Obtaining permission to access private properties
- Conducting detailed seepage mapping at seven key areas of interest
- Monitoring accessible natural springs
- Conducting detailed seepage mapping at two shut-in/abandoned production well locations
- Preparing this report

2.0 FIELD METHODS

2.1 PROPERTY ACCESS

Prior to conducting field activities, LTE acquired landowner information from the La Plata County Assessor's office. LTE cross-referenced parcel data and the Kf outcrop boundaries to identify owners of parcels located on the Kf outcrop. Much of the Kf outcrop is on federal land with unrestricted access. LTE attempted to contact private landowners along the Kf outcrop in La Plata County. No investigation activities were conducted on properties with denied access during the monitoring event. The 2019 status of property access is presented in Table 1.

2.2 PROJECT AREA

LTE conducted detailed flux surveys at the following seven areas of interest along the Kf outcrop in La Plata County (Figure 1). These include:

- Basin Creek to Carbon Junction (subdivided into Basin Creek, Basin Creek North, and Carbon Junction)
- Florida River
- SEC18T35NR8W
- SEC17T35NR8W
- Vosburg Pike
- SEC12T35NR8W
- SFTC to Pine River (subdivided into SFTC West, SFTC Central, SFTC East; BP Highlands, and Pine River)

To standardize the flux comparison process from year-to-year, these geographical areas are grouped according to location along the Kf outcrop. Notable observations and field results within the subdivided areas are discussed below.

2.3 DETAILED MAPPING

The grids for detailed mapping areas consisted of a varying number of squares, ranging in area from 2,500 square feet to 40,000 square feet. In general, 50-foot and 200-foot grid spacings were used, depending on site-specific needs. The smaller grid spacing was used to map the relatively small methane seepage areas. The grid mapping system has proven to be systematic, consistent, repeatable, representative, and successful in delineating the lateral extent of seepage.

A detailed description of the flux meter and mapping process can be found in previous reports on the COGCC website at http://cogcc.state.co.us/. Specifications and information on the West Systems portable gas flux meter and Global Positioning System (GPS) unit are provided in Appendix A.

2.4 REGIONAL RECONNAISSANCE

A regional reconnaissance survey of the Kf outcrop was originally conducted in 2004 and subsequently conducted every three years beginning in 2008. Regional reconnaissance was last conducted in 2017 and is scheduled again for 2020. The regional reconnaissance is conducted to supplement the detailed mapping of drainage transects. Reconnaissance includes low-altitude, analogous aerial imagery to map the vegetation along the outcrop and identify suspect areas for further field investigation. Additionally, imagery is used to assist in the scheduled regional reconnaissance monitoring of the Kf outcrop to identify potential locations of methane seepage or coal fires between detailed mapping areas. While the imagery cannot identify specific seepages or coal fires, it can be useful in identifying areas of dead and/or stressed vegetation that may or may not be attributable to methane and/or coal fires. The regional reconnaissance is primarily used to identify potential methane seepage areas, however, anomalies from coal fires can be identified on the color-infrared (CIR) imagery as well.

Suspect areas are defined as areas observed on the CIR image that appear anomalous when compared to the surrounding areas. For example, a light gray area surrounded by bright red areas would be considered a suspect area. The natural features that often produce such suspect areas include areas of dead/stressed vegetation, shadows, rocky outcrops, exposed surface soil, water bodies, and/or coal fires. A detailed description of the regional reconnaissance process is discussed in the 2011 Fruitland Outcrop Monitoring Report, which can be viewed on the COGCC website.

2.5 NATURAL SPRINGS MONITORING

At any natural spring sampled, LTE personnel collected water samples and monitored for subsurface methane near the springs using a multi-gas meter. LTE personnel located the position and elevation using the GPS at each natural spring. Water quality measurements, including pH, oxygen reduction potential (ORP), electrical conductivity (EC), and temperature were collected at each natural spring sampled.

Water samples for laboratory analysis were collected in bottles and containers prepared by the subcontracted analytical laboratories at each accessible and flowing natural spring. Each sample bottle was labeled, indicating project and sample identification, and the date and time of sample collection. Samples were delivered directly to the laboratories under strict chain-of-custody (COC) protocols.

The natural spring water samples were collected and submitted to Isotech Laboratories, Inc., in Champaign, Illinois, for analysis of dissolved methane. General water chemistry samples were submitted to Green Analytical Laboratories, in Durango, Colorado.

2.6 SHUT-IN/ABANDONED PRODUCTION WELL FLUX MAPPING

At the request of the COGCC, flux measurements were collected at areas surrounding the shut-in production well Pole Barn Monitor Well #1 (API #05-067-07969) and abandoned production well Federal 34-1/2-34-1 (API #05-067-07514). Access was not granted for the Baird 1-25 (API #05-067-06568), therefore, no flux measurements were collected at this location. LTE recorded 25 methane flux points next to each shut-in/abandoned production well utilizing the flux meter. Flux measurements were collected on 50-foot grid spacing centered on the abandoned production well. If methane was detected in soil, the seep area was then delineated in the four cardinal directions.

3.0 DETAILED MAPPING RESULTS

This section describes the results of the detailed flux mapping conducted from June 12, 2019, through August 9, 2019, for the seven main mapping areas. A total of 1,692 flux measurements were collected over 1,271.64 acres of land in the project area during the 2019 monitoring event. Methane flux measurements are presented on Figure 2. Carbon dioxide flux measurements are presented on Figure 3. Methane and carbon dioxide flux measurements are summarized by Kf outcrop areas of interest in Tables 2 and 3, respectively. Flux meter data is included as Appendix B.

LTE has reported flux measurements in this report as mass flux with the units of moles per square meter per day (mol/m2·day). Conversion to volumetric flux rates in units of thousand cubic feet per day (MCFD) have been provided as a reference for the natural gas production industry, which typically uses volumetric flow rates. The conversion of mass flux units to volumetric flux is discussed in Section 3.4, with calculation details provided in Appendix C.

3.1 OVERALL METHANE RESULTS

The 2019 monitoring event recorded methane flux above the reportable limit (0.2 mol/m2·day) at 230 of the 1,692 (13.6 percent (%)) sample locations. The reportable methane flux values of each measured location area for the entire project area ranged from 0.2 mol/m2·day to a maximum of 3,208.6 mol/m2·day. Methane flux results for each area of interest are discussed in Section 3.5.

3.2 OVERALL CARBON DIOXIDE RESULTS

The 2019 monitoring event detected carbon dioxide flux at 1,593 of the 1,692 (94.1%) sample locations. The carbon dioxide flux values of each measured location area for the entire project area ranged from 0.8 mol/m2·day to a maximum 69.7 mol/m2·day. Carbon dioxide flux results for each area of interest are discussed in Section 3.5.

3.3 OVERALL HYDROGEN SULFIDE RESULTS

Hydrogen sulfide flux was recorded at 1,742 sample locations. The flux meter is a highly-sensitive field meter capable of detecting very low flux rates of hydrogen sulfide resulting in 93 points (5.3%) that were slightly above the unit's reliable detection limit of 0.0025 mol/m2·day. Given the flux meter's accuracy of plus or minus (±)25%, these measured values are not considered to pose a threat to human health.

Hydrogen sulfide has been identified in the Carbon Junction and SFTC areas since the inception of the monitoring program in 1997, but concentrations in the atmosphere above the ground surface have not been detected at levels that pose a risk to human health. Hydrogen sulfide concentrations have been detected in the shallow subsurface soil; however, concentrations were found to dissipate quickly to below-detectable limits above the ground surface. The source of the hydrogen sulfide detected along the Kf outcrop is believed to be from local, near surface anaerobic microbial activity, as hydrogen sulfide is not present in the coalbed methane production gas developed within the northern San Juan Basin.

Due to the very low flux values of hydrogen sulfide measured during the 2019 detailed mapping program, maps of hydrogen sulfide measurements were not deemed useful and, therefore, were not prepared. Estimates of total hydrogen sulfide flux were not calculated due to the low levels detected.

3.4 TOTAL FLUX VOLUME ESTIMATIONS

LTE estimated the total volumetric flux of methane and carbon dioxide by combining generally contiguous areas of interest of the Kf outcrop in La Plata County. Flux data were interpolated, gridded, and then contoured and processed to estimate the total volumetric flux rates. The results were converted to volumetric flux rates common to the natural gas production industry in units of MCFD. For a better perspective of the methane flux and carbon dioxide flux rates, LTE converted the mass flux values into volumetric flux units of cubic feet per day (CFD), assuming equal areas. The unit conversion is based on the molecular weight of the gas and the density of the gas at approximately 7,000 feet above mean sea level. For methane flux, the calculation is as follows:

$$\frac{\text{mol } CH_4}{\text{day}} \times \frac{16.04276 \text{ g } CH_4}{\text{mol } CH_4} \times \frac{0.0698 \text{ ft}^3 CH_4}{\text{g } CH_4} = \frac{\text{ft}^3 CH_4}{\text{day}}$$

For example:

$$1.0 \text{ mole/day } CH_4 = 1.12 \text{ CFD } CH_4$$

For carbon dioxide flux, the calculation is as follows:

$$\frac{\text{mol } CO_2}{\text{day}} \times \frac{44.01 \text{ g } CO_2}{\text{mol } CO_2} \times \frac{0.0253 \text{ ft}^3 CO_2}{\text{g } CO_2} = \frac{\text{ft}^3 CO_2}{\text{day}}$$

For example:

$$1.0 \text{ mole/day } CO_2 = 1.11 \text{ CFD } CO_2$$

Notes:

CH_4 – methane g – grams mol - mole
ft^3 – cubic feet CO_2 – carbon dioxide

The volumetric flux values calculated herein are estimates and may not represent actual values for the specific areas. Interpolation calculation techniques are highly sensitive to data skewness and can result in large changes in calculated flux values based on measurements made at only a few locations. Methane flux volumes were calculated using values that were at, or above, the reporting limit as described in previous reports referenced in Section 2.3. A discussion of the methods and calculations used to determine total methane flux is presented in Appendix C.

The total estimated reportable methane flux volume for the mapped areas on the Kf outcrop in La Plata County in 2019 was 9,153 MCFD. The total estimated volumetric carbon dioxide flux for the mapped areas on the Kf outcrop in La Plata County in 2019 was 1,238 MCFD. Figures 2 and 3 illustrate methane and carbon dioxide flux results of the detailed mapping event, respectively. A summary of the flux

measurements is presented in Table 2. Table 3 summarizes the total flux volumes for each mapping area and includes historical comparisons.

3.5 SPECIFIC AREA RESULTS

3.5.1 Basin Creek to Carbon Junction

The Basin Creek and Carbon Junction survey areas are located south of the city of Durango and consist of approximately 6.9 miles of the Kf outcrop. The detailed flux mapping of Basin Creek to Carbon Junction area was conducted between June 12 and July 3, 2019. A total of 608 flux sample points was measured. The Basin Creek to Carbon Junction survey area has an estimated methane seepage area of approximately 76.78 acres with a flux rate of 4,909 MCFD. Carbon dioxide was mapped over approximately 430 acres with a total flux rate of 525 MCFD.

3.5.2 Florida River

The survey area at Florida River extends approximately 1.5 miles along the Kf outcrop. The Florida River mapping was conducted on July 8 and July 9, 2019. A total of 132 flux sample points was measured. The Florida River mapping area has an estimated methane seepage area of approximately 10.83 acres with a total flux rate of 41 MCFD. Carbon dioxide was mapped over approximately 86 acres with a total flux rate of 117 MCFD.

3.5.3 SEC18T35NR8W

The survey area at SEC18T35NR8W is located in Section 18, Township 35 North, Range 8 West, located between the Florida River and SEC17T35NR8W mapping areas. SEC18T35NR8W mapping was conducted on July 8, 2019. A total of 20 flux sample points was measured. No methane seepage was observed at the SEC18T35NR8W seepage area. Carbon dioxide was mapped over approximately five acres with a total flux rate of 1.8 MCFD.

3.5.4 SEC17T35NR8W

The survey area at SEC17T35NR8W is located in Section 17, Township 35 North, Range 8 West, located between the Florida River and Vosburg Pike mapping areas. SEC17T35NR8W mapping was conducted on July 11, 2019. A total of 16 flux sample points was measured. The SEC17T35NR8W seepage area has an estimated methane seepage area of 1.81 acres with a total flux rate of 3 MCFD. Carbon dioxide was mapped over approximately four acres with a total flux rate of 1 MCFD.

3.5.5 Vosburg Pike

The mapping area at Vosburg Pike is an upland portion of the Kf outcrop, located approximately halfway between the Florida River and SFTC mapping areas. The Vosburg Pike mapping area covers approximately 1.3 miles along the Kf outcrop. Flux mapping occurred between July 12 and July 18, 2019. A total of 94 flux sample points was measured. The Vosburg Pike mapping area has an estimated methane seepage area of approximately 9.4 acres with a total flux rate of 80 MCFD. Carbon dioxide was mapped over approximately 73 acres with a total flux rate of 65 MCFD.

3.5.6 SEC12T35NR8W

LTE detected methane in the subsurface within a suspect seepage area from the 2011 regional reconnaissance. As a result, this area was included in the detailed flux survey program since 2012. The methane seepage area, identified as SEC12T35NR8W, is located in Section 12, Township 35 North, Range 8 West, between Vosburg Pike and SFTC. The landowners did not grant access to this seepage area in 2012, 2013, or 2014; therefore, flux surveys were not conducted for SEC12T35NR8W in that time interval. Access was granted during the field verification portion of the 2014 regional reconnaissance and, as such, the area was field verified to confirm the presence of methane seepage. The 2019 methane flux survey was the fifth time flux measurements have been collected in the SEC12T35NR8W area. Measurements were collected on August 17 and August 18, 2019. A total of 143 flux sample points were measured. The SEC12T35NR8W mapping area has an estimated methane seepage area of approximately 16.45 acres with a total flux rate of 1,251 MCFD. Carbon dioxide was mapped over approximately 72 acres with a total flux rate of 121 MCFD.

3.5.7 South Fork Texas Creek to Pine River

The SFTC to Pine River mapping area consists of five individual areas including SFTC West, SFTC Central, SFTC East, BP Highlands, and Pine River. The entire mapping area is approximately 4.4 miles of the Kf outcrop. The flux survey from SFTC to Pine River was conducted between July 10 and August 9, 2019. The survey area collectively known as SFTC (SFTC West, SFTC Central, and SFTC East) is located where the Texas Creek transects the Kf outcrop. A large alluvial grass-covered valley parallels the strike of the outcrop but eventually turns northward and transects the contact between the Kf and the Pictured Cliffs Formation (Kpc). Areas west of the creek are designated as SFTC West. The main seepage area within SFTC, including the BP properties, has been designated SFTC Central. The seepage area located approximately 0.25 miles east of the creek has been labeled SFTC East.

The seepage at SFTC is one of the most active methane seepages within the project area and is currently undergoing a pilot study funded by the COGCC and BP to evaluate mitigation technologies for methane seepage. A mitigation system (Figure 2) located in SFTC Central. The flow rate of the methane gas captured by the mitigation system is approximately 30 MCFD under normal conditions with approximately 95% to 100% of the gas collected consisting of methane (less than 1% consists of oxygen). The volume of gas captured by the mitigation system exceeds the volume of gas used by the turbine-driven electrical generator. This result is based on optimizing the system efficiency and is routinely monitored to maximize the system output.

Methane continues to be detected around the collection system boundary. Due to the excess methane that the system is not capturing, it appears that the remaining methane is following preferential pathways to the surface.

The BP Highlands is an upland area directly east of SFTC and west of Pine River. The mapping area at Pine River is located where the Pine River transects the Kf outcrop. The seepage at Pine River is also currently undergoing a pilot study funded by the COGCC and BP to evaluate mitigation technologies for the methane seepage. According to data, the flow rate of methane captured from the mitigation system was diluted by naturally-occurring oxygen and other gases, which reduced the effectiveness of operating the active system. Due to the low concentration of methane, the system was converted to passive venting in June 2012.

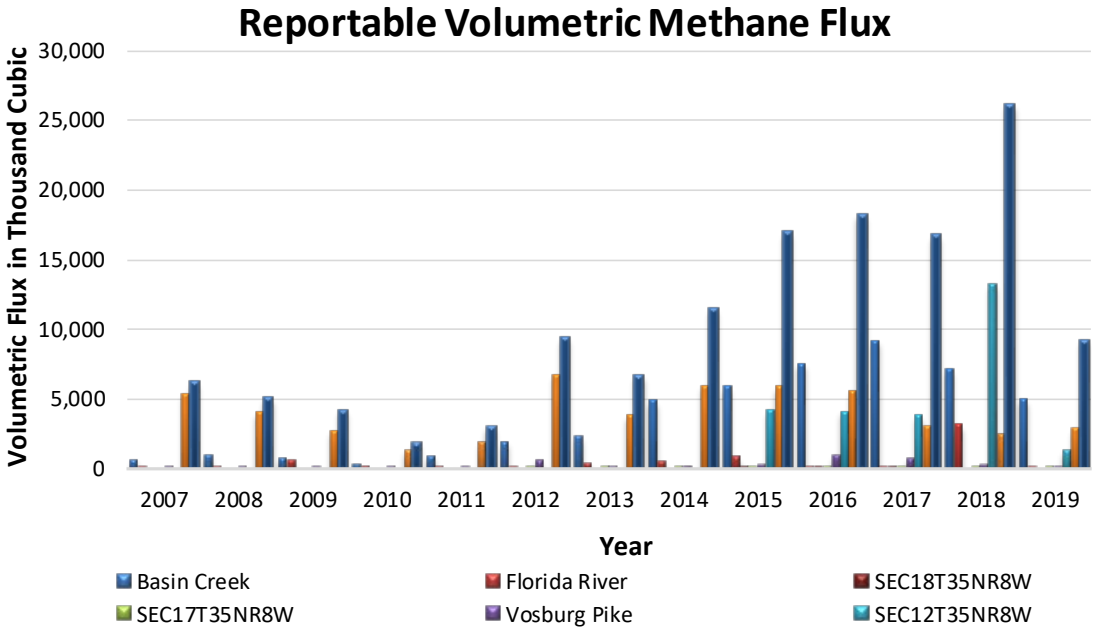
A total of 679 flux sample points was measured in the SFTC to Pine River survey area. The SFTC to Pine River survey area has an estimated methane seepage area of 66.23 acres with a total flux rate of 2,869 MCFD. Carbon dioxide was mapped over approximately 403 acres with a total flux rate of 407 MCFD.

3.6 HISTORICAL FLUX DATA COMPARISON

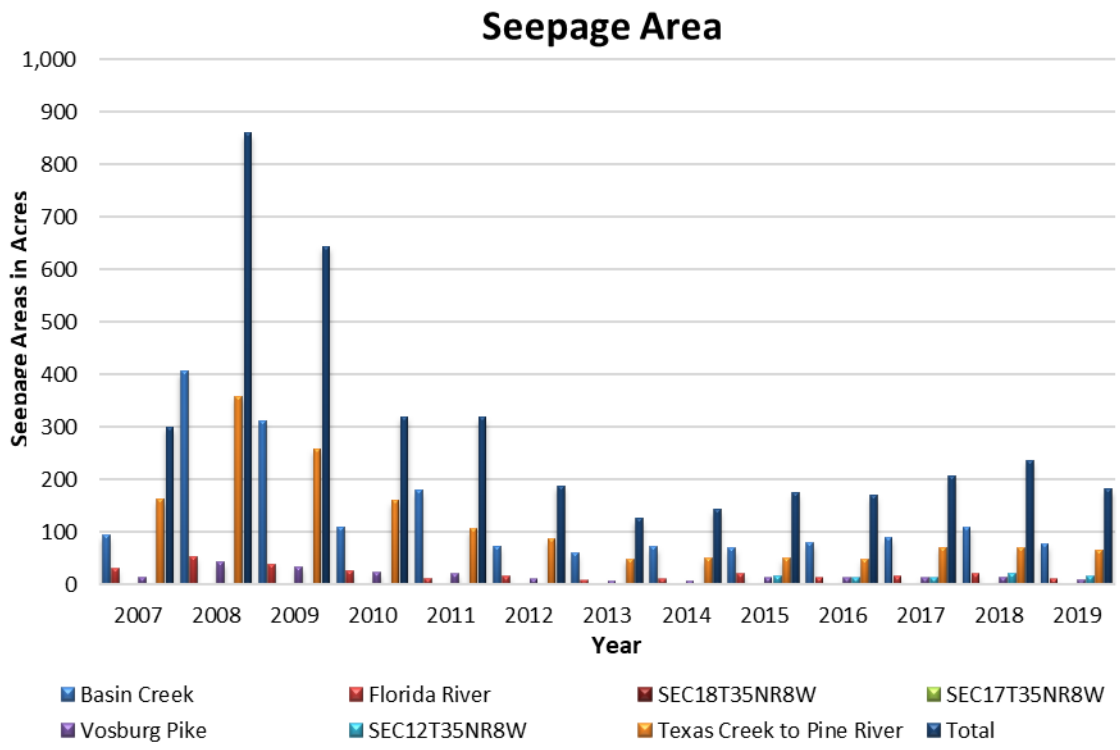
Elevated methane flux in 2012 prompted LTE to revise the grid spacing in the vicinity of flux points with significantly elevated methane flux to better bracket the seepage and report a more accurate methane flux. The revised grid spacing was utilized in the 2013 through the 2019 surveys. The increased resolution of the 2013 survey reported a methane flux rate of 6,526 MCFD, approximately 30% less than the 2012 results (Table 3). The decrease from 2012 to 2013 established that the revised grid spacing better defined seepage volume in areas with very high individual flux point measurements. Using the revised grid spacing, the methane flux rate increased by 11,639 MCFD from 2013 to 2016. In 2016, the total methane flux was estimated at 18,165 MCFD and was the highest total methane flux recorded since first using the flux meter in 2007. Total methane flux in 2017 decreased from 18,165 MCFD in 2016 to 16,650 MCFD in 2017. This was the first decrease observed since the 2013 survey, however the 2017 estimated flux was still the third highest flux recorded since 2007. Total methane flux in 2018 increased to 26,101 MCFD, representing the highest methane flux recorded and the largest annual increase observed. This increase was largely controlled by significant methane flux increases in SEC12T35R8W and the Florida River mapping areas. Total methane flux in 2019 decreased to 9,153 MCFD from 26,101 MCFD in 2018, a decrease of 16,948 MCFD. Although most of the mapping areas' methane flux decreased, SEC12T35R8W and the Florida River mapping areas controlled the decrease the most. This decrease represents the largest annual decrease observed since 2007 when the flux meter was first implemented to calculate methane flux (Table 3).

The mitigation system at SFTC, which was installed in 2009, accounts for some of the effect on the methane flux results. While the mitigation system does capture methane gas, it is not capable of capturing all the methane gas within the footprint of the collection system. As a result, the system footprint appears to have created a preferential pathway in which methane gas seeps out along the edges of the footprint. The methane seepage at the edges of the system is concentrated as compared to the natural seepage. Elevated methane flux values have been recorded at the edges of the system footprint with a rapid decrease in methane flux values moving away from the system footprint. These elevated flux values affected interpolation and flux estimation in 2012 as described above and lead to biased high results. The additional flux points in the vicinity of the mitigation system in 2013 through 2019 appear to have reduced the bias high effect observed in 2012.

Below is a graphical representation of the change in methane flux over the last 13 years along the entire Kf outcrop by area.



The survey area increased nearly 3.5 times (186%) in acreage between 2007 and 2008; therefore, it does not make sense to compare the 2019 monitoring event to the 2007 monitoring event. From 2009 to 2011 the seepage area decreased by approximately 50%. However, the seepage area has been relatively consistent since 2012; therefore, it makes more sense to compare the 2019 monitoring event to the 2012 monitoring event, where mappable areas are similar. From 2012 to 2019 the seepage area only decreased by 3.2%. From 2018 to 2019, seepage area decreased by 23%.



Figures 4, 5, 6, and 7 depict the methane seepage extents compared to the survey area from 2007 through 2019. To compare methane flux for each year, the figures depict methane flux measurements. This visual representation of methane flux delineates areas of elevated methane seepage throughout the Kf outcrop and provides an understanding as to why these specific areas are investigated. Table 3 summarizes the changes in seepage area extent and the methane flux from 2007 through 2019.

4.0 REGIONAL RECONNAISSANCE

The regional reconnaissance of the Kf outcrop has evolved since it was introduced in 1995. Initially, the regional reconnaissance was a pedestrian survey with the collection of surface methane concentration and qualitative observations of vegetative conditions. The qualitative nature of the pedestrian survey and the subjective bias by the varying field crews over the years warranted the development of an alternative approach to monitor the far-reaching extents of the Kf outcrop area, particularly those areas not exhibiting active methane seepage. IR aerial photography, in conjunction with follow-up field verification, began in 2005 and continues every three years. Regional reconnaissance was last conducted in 2017 and will be conducted next in 2020. Results of the 2017 regional reconnaissance can be found in the *2017 Fruitland Outcrop Monitoring Report*.

5.0 NATURAL SPRINGS MONITORING

A total of twelve natural springs were previously identified on the Kf outcrop in La Plata County north of the SUIT boundary. Three of the twelve natural springs (Wilbourn Spring #1, Wilbourn Spring #2, and Wilbourn Spring #6) were removed from the natural springs monitoring in 2016 due to lack of access or continual lack of water in the spring time from year-to-year. Of the remaining nine springs, three were sampled during the 2019 sampling event; the Animas River Spring, the Darwin Rather #1, and the Vosburg Pike/Kane Ranch Spring, and three were either dry or stagnant during the sampling event: the Darwin Rather #2, the Hoier Spring, and the Gun Club spring. LTE recommends removing the last three remaining natural springs (Rancho Durango East Spring, Rancho Durango LTD Spring, and Rancho Durango North Spring) from the 2020 sampling event due to lack of access in 2019 and previous years. The locations of natural springs are depicted on Figure 8. A summary of natural springs sampled in 2019, along with past natural springs sampling status, is presented in Table 4.

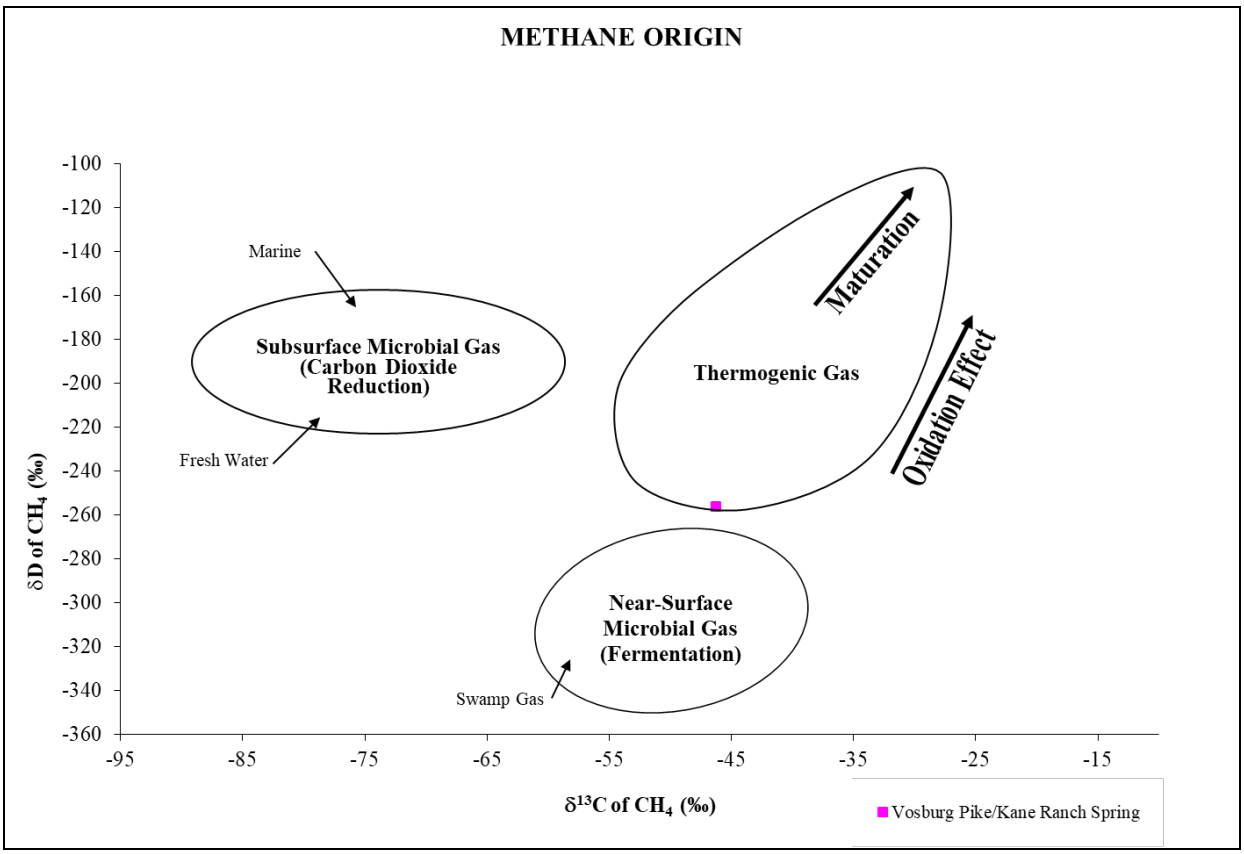
5.1 FIELD OBSERVATIONS

Field parameters were measured at three natural springs, the Animas River Spring, Darwin Rather Spring #1, and the Vosburg Pike/Kane Ranch Spring, which were sampled between June to August 2019. The 2019 field observations and measurements for the natural springs, including historical measurements, are summarized in Table 5.

5.2 NATURAL SPRINGS SAMPLING AND ANALYSIS

In COGCC Orders 112-156 and 112-157, the COGCC uses 2 milligrams per liter (mg/L) for dissolved methane in domestic water systems as the threshold to identify water for further investigation of the origin of methane. The COGCC states that water systems containing dissolved methane concentrations above 2 mg/L have an increased risk of desorption from the water, creating potentially explosive conditions in confined spaces.

During the 2019 natural springs sampling, dissolved methane was detected in spring water sampled from the Animas River Spring, and Darwin Rather Spring #1 at concentrations of 0.0008 mg/L, and 0.001 mg/L, respectively. In 2019, dissolved methane was detected in the Vosburg Pike/Kane Ranch Spring water sample at a concentration of 8.1 mg/L. In 2018, dissolved methane concentrations for the same spring were 15 mg/L. In 2018, LTE collected a water sample from the Vosburg Pike/Kane Ranch Spring for compositional and isotopic analysis by Isotech Laboratories of Champaign, Illinois. Results of the isotopic analyses indicated the methane present in the Vosburg Pike/Kane Ranch Spring sample appears to be thermogenic in origin. The graph below illustrates methane origin (thermogenic versus biogenic) of the methane gas detected using a cross plot of the carbon and hydrogen isotopes of methane. Appendix D includes the gas composition and isotopic analytical report.



Based on the water chemistry of the natural springs, the three springs sampled vary in water type. The Animas River Spring is predominantly calcium-bicarbonate, the Darwin Rather Spring #1 is calcium-bicarbonate, and the Vosburg Pike/Kane Ranch Spring is calcium-sulfate in water type makeup. Figure 8 depicts the tri-linear diagrams and Stiff diagrams for the sampled spring. Laboratory analytical results for dissolved methane, including historical results, are summarized in Table 6. Major ion chemistry of the natural spring samples is summarized in Table 7. The laboratory analytical reports are presented in Appendix D.

5.3 SUBSURFACE SOIL GAS MEASUREMENTS

During the 2019 natural springs sampling event, three subsurface soil gas measurement were collected at each of the sampled natural springs using traditional subsurface soil gas sampling techniques and the multi-gas meter. Subsurface methane was not detected in two of the subsurface soil gas probes of the natural springs; however, a methane concentration exceeding 5% was detected in the subsurface at the Vosburg Pike/Kane Ranch Spring.

6.0 ABANDONED/SHUT-IN WELLS FLUX RESULTS

LTE conducted detailed flux surveys utilizing the flux meter at two shut-in/abandoned production gas well sites: Federal 34-1/2-34-1 (API #05-067-07514), and Pole Barn Monitor Well #1 (API #05-067-07969). Access was not granted for the Baird 1-25 (API #05-067-06568) therefore, no flux measurements were collected at this location. The two well sites were surveyed on July 03, and August 08, 2019, respectively. Monitoring was conducted at the request of the COGCC to determine whether methane seepage exists within the vicinity of these three sites.

Flux measurements were collected at each location (Figure 2). A total of 25 measurements were collected at Pole Barn Monitor Well #1, and 25 measurements at Federal 34-1/2-34-1. Methane flux values were not detected above the reportable limit (0.2 mol/m2·day) at any shut-in/abandoned production gas well sample locations. Methane flux values have not been detected at any of the three shut-in/abandoned production gas wells in the previous 10 years of monitoring.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 CONCLUSIONS

LTE has surveyed methane flux in La Plata County since 2007. Generally, methane flux rates across the project area decreased from 6,099 MCFD in 2007 to 2,900 MCFD in 2011. The methane flux from the 2012 survey indicated an increase, estimated to be 9,371 MCFD. Based on the distribution of methane flux measurements over the Kf outcrop in La Plata County, that increase in methane flux was in the Basin Creek to Carbon Junction and the SFTC areas. After the 2012 survey, grid spacing around specific methane seepages was revised. Using the revised grid spacing, methane flux rates decreased in 2013 from 2012 and then subsequently increased every year from 2013 to 2016. In 2017 the first decrease in methane flux since 2013 was observed, with flux values decreasing from 18,165 MCFD to 16,650 MCD. The 2018 survey yielded the highest methane flux measured to date, an increase of 9,451 MCFD from the measured flux in 2017 of 16,650 MCFD to 26,101 MCFD. In contrast to 2018, 2019 resulted in the largest annual decrease of methane flux measured since 2007, a decrease of 16,948 MCFD from the measured flux in 2018 of 26,101 MCFD to 9,153 MCFD in 2019. The 2017 through 2019 surveys represent the largest annual change in flux measurements observed since the implementation of the flux meter in 2007.

The mitigation system at SFTC appears to influence the methane flux results for that area. While the mitigation system does capture methane gas, they are not capable of capturing all the methane gas within the footprint of the collection system. As a result, the collection system has created preferential pathways in which methane gas appears to seep out along the edges of the footprint, resulting in elevated flux values being reported. Elevated methane flux values have been recorded at the edges of the system footprint with a rapid decrease in methane flux values moving away from the system footprint. These elevated flux values affected interpolation and flux estimation as described above and biased the results high in 2012. The additional flux points in the vicinity of the mitigation system in 2013 through 2019 reduced the bias high affect observed in 2012.

The survey area increased nearly 3.5 times (186%) in acreage between 2007 and 2008; therefore, it does not make sense to compare the 2019 monitoring event to the 2007 monitoring event. From 2009 to 2011 the seepage area decreased by approximately 50%. However, the seepage area has been relatively consistent since 2012; therefore, it makes more sense to compare the 2019 monitoring event to the 2012 monitoring event, where mappable areas are similar. From 2012 to 2019 the seepage area has only decreased by 3.2%. From 2018 to 2019, seepage area decreased by 23%.

Data continues to indicate that hydrogen sulfide is present in the subsurface at measurable levels in only a few locations. Measured values above the ground surface are very low, if detected, and are not considered a threat to human health. The source of the hydrogen sulfide is believed to be local, near surface anaerobic microbial activity.

7.2 RECOMMENDATIONS

Based on the results of the 2019 Kf outcrop monitoring event, LTE recommends continued compliance with the COGCC orders, including:

- Conduct detailed methane seep mapping and flux estimation using the portable flux meter in June 2020. LTE will return to the sample locations visited during the 2019 field activities to observe changes in subsurface methane over time and space. Grid spacing will be revised based on the 2019 results.

Based on the results of the 2019 and previous year's Kf outcrop monitoring events, LTE recommends the following changes:

- Reduce the frequency of sampling of the natural springs to match the frequency of the regional reconnaissance IR aerial survey conducted once every three years. The natural spring survey has been conducted on an annual basis since 2007, establishing data points with predictable results. Conducting the natural spring survey in 3-year intervals will allow continued addition of newly-identified springs to the data set while using resources more efficiently. The next IR event will occur in 2020 and subsequently continue in 3-year intervals, therefore, the next natural springs sampling could start in 2020 with 3-year interval sampling to create efficiency to mobilize with the IR events.
- Remove three natural springs (Rancho Durango East Spring, Rancho Durango LTD Spring, and Rancho Durango North Spring) from the 2020 sampling event.

8.0 REFERENCES

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----- 2006. *Fruitland Outcrop Monitoring Report*, La Plata County, Colorado. March 2006.

----- 2007. *Fruitland Outcrop Monitoring Report*, La Plata County, Colorado. January 2007.

----- 2008. *2007 Fruitland Outcrop Monitoring Report*, La Plata County, Colorado. June 2008.

----- 2009. *2008 Fruitland Outcrop Monitoring Report*, La Plata County, Colorado. March 2009.

----- 2010. *2009 Fruitland Outcrop Monitoring Report*, La Plata County, Colorado. February 2010.

----- 2011a. *2010 Fruitland Outcrop Monitoring Report*, La Plata County, Colorado. February 2011.

----- 2011b. *2011 Fruitland Outcrop Monitoring Report*, La Plata County, Colorado. December 2011.

----- 2012. *2012 Fruitland Outcrop Monitoring Report*, La Plata County, Colorado. November 2012.

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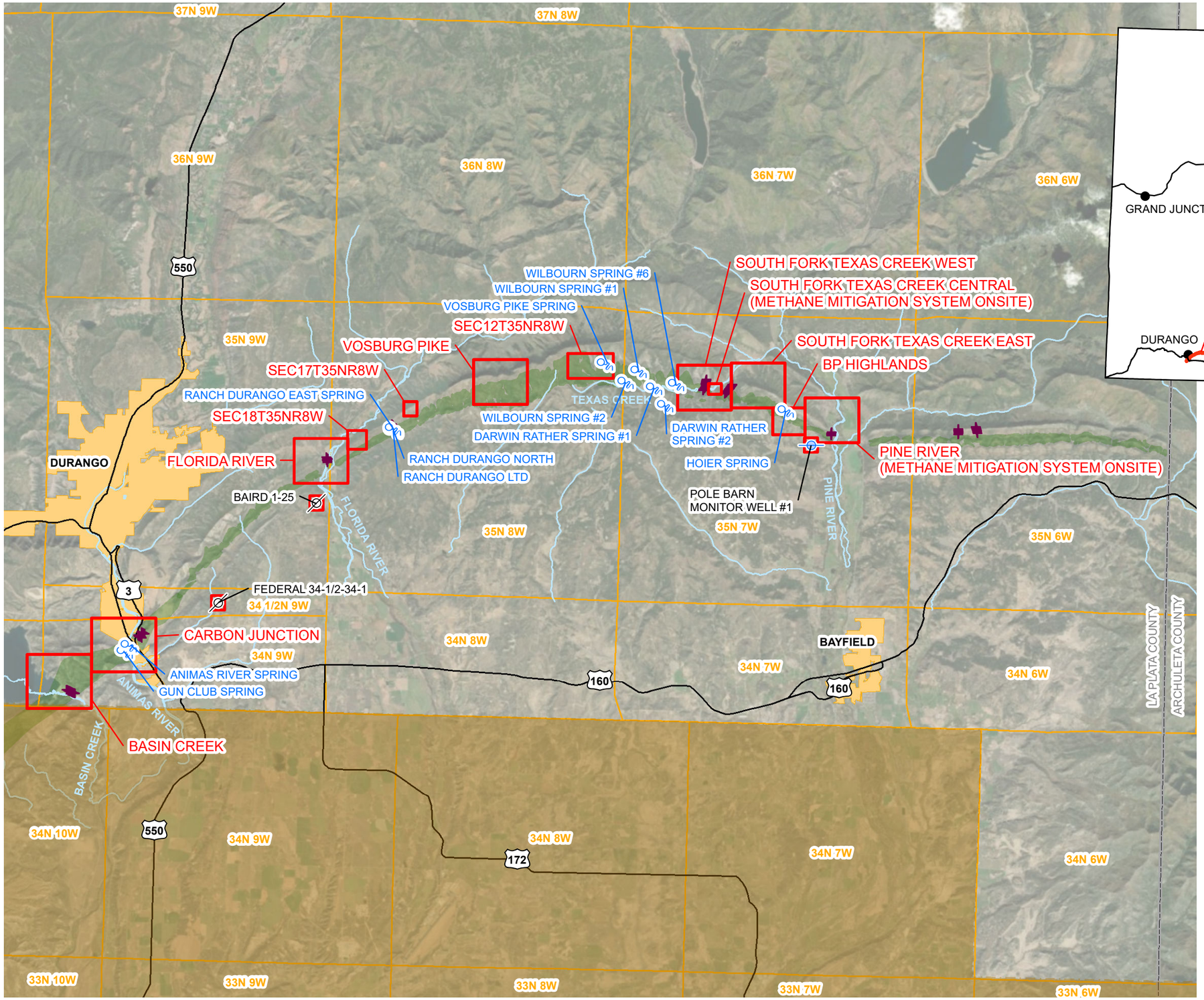
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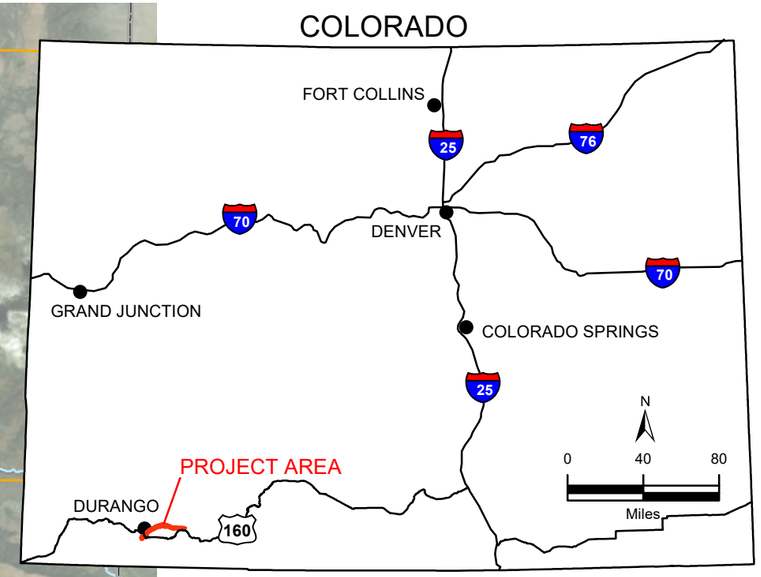
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LEGEND

- NATURAL SPRING
- ABANDONED WELL
- SHUT-IN WELL
- GAS MONITORING PROBE
- HIGHWAY
- SURFACE WATER
- SOUTHERN UTE INDIAN TRIBE RESERVATION BOUNDARY
- COUNTY BOUNDARY
- CITY
- TOWNSHIP AND RANGE LINES

GEOLOGY

- FRUITLAND FORMATION (Kf) - COLORADO GEOLOGICAL SURVEY

COGCC: COLORADO OIL AND GAS CONSERVATION COMMISSION
IMAGE COURTESY OF ESRI

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Miles

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FIGURE 1
PROJECT AREA MAP
2019 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2019\2019_FIG 01 PROJ AREA.mxd

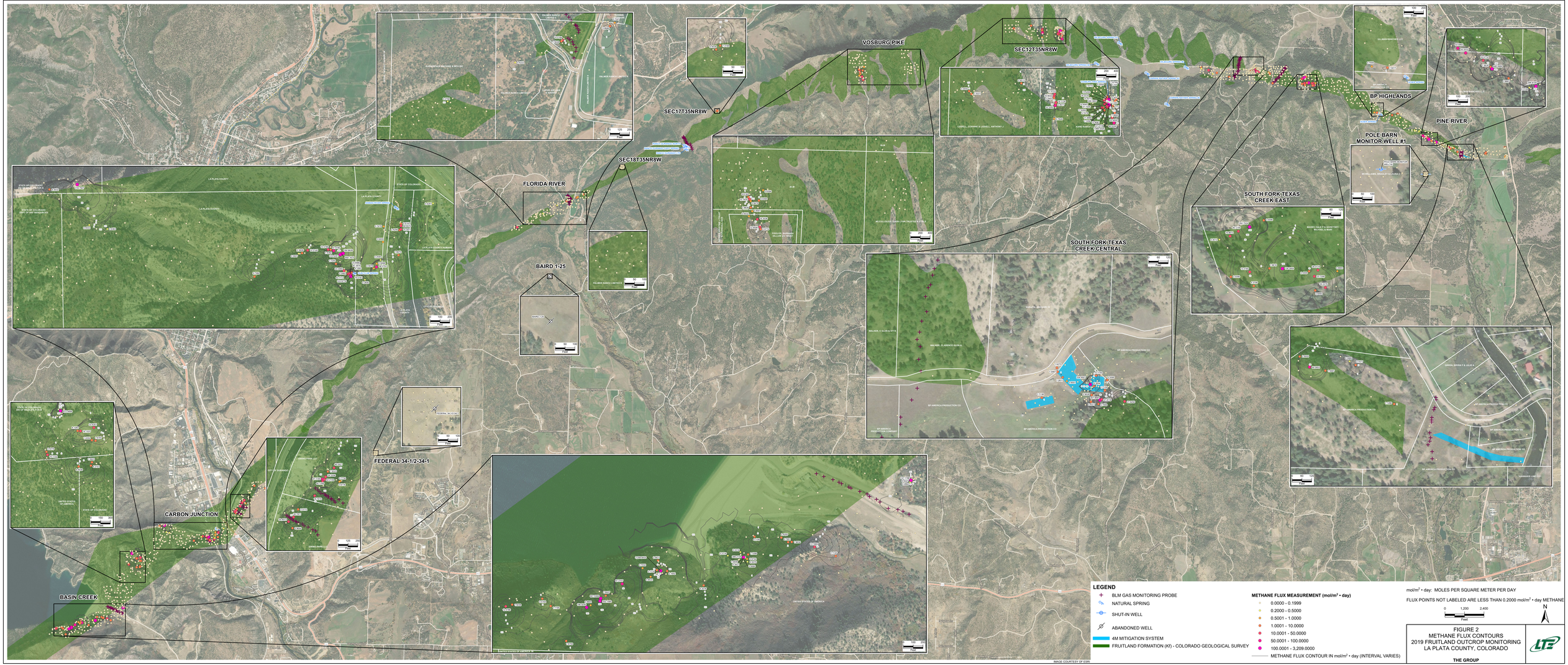


FIGURE 2
METHANE FLUX CONTOURS
2019 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

IMAGE COURTESY OF ESRI

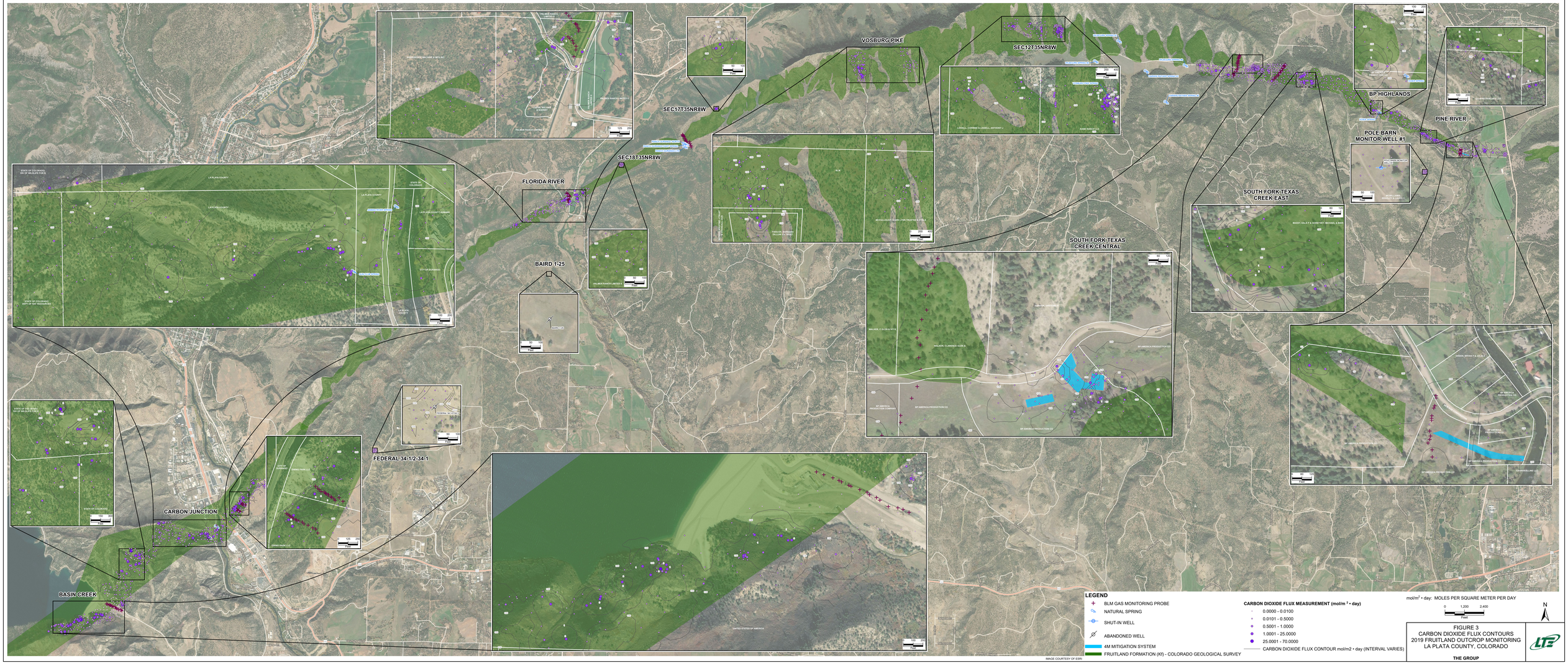
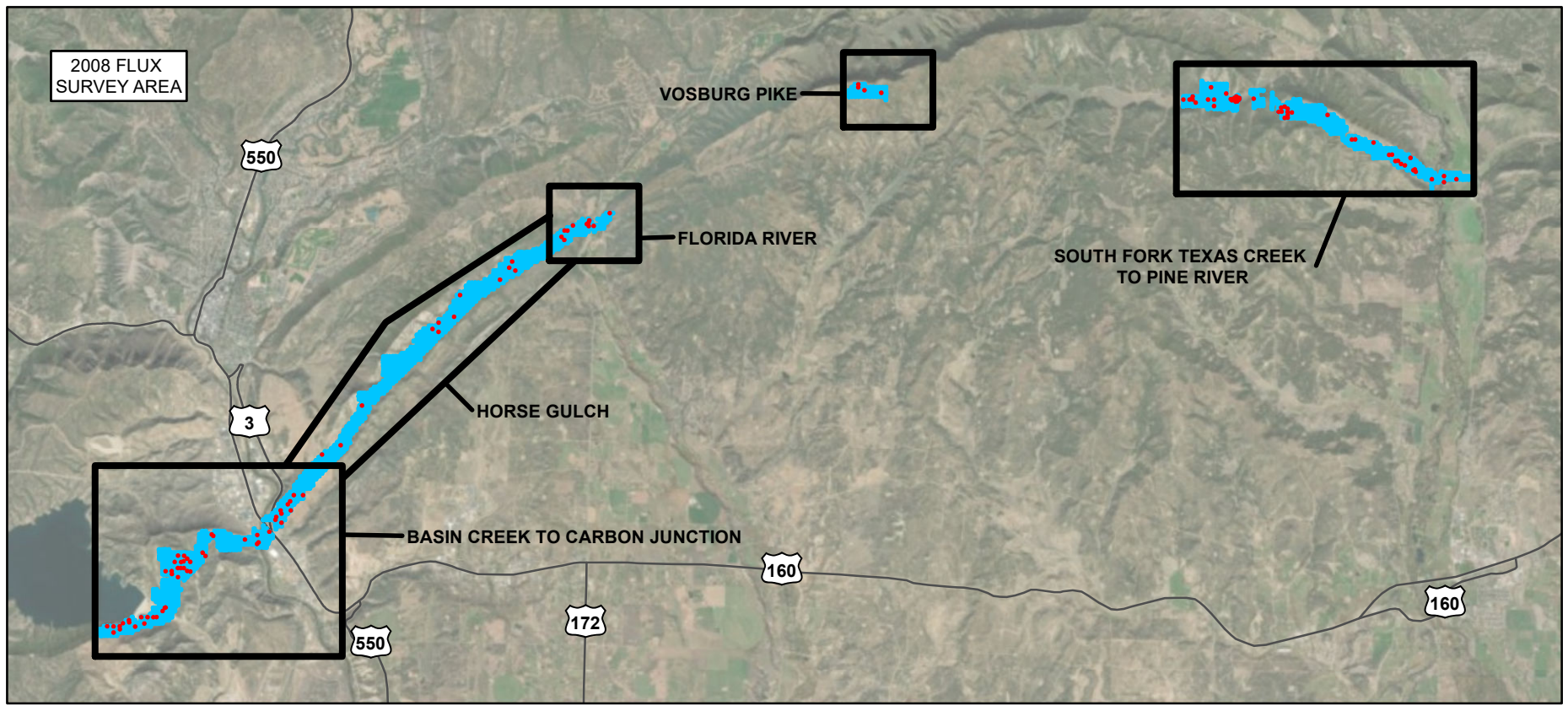
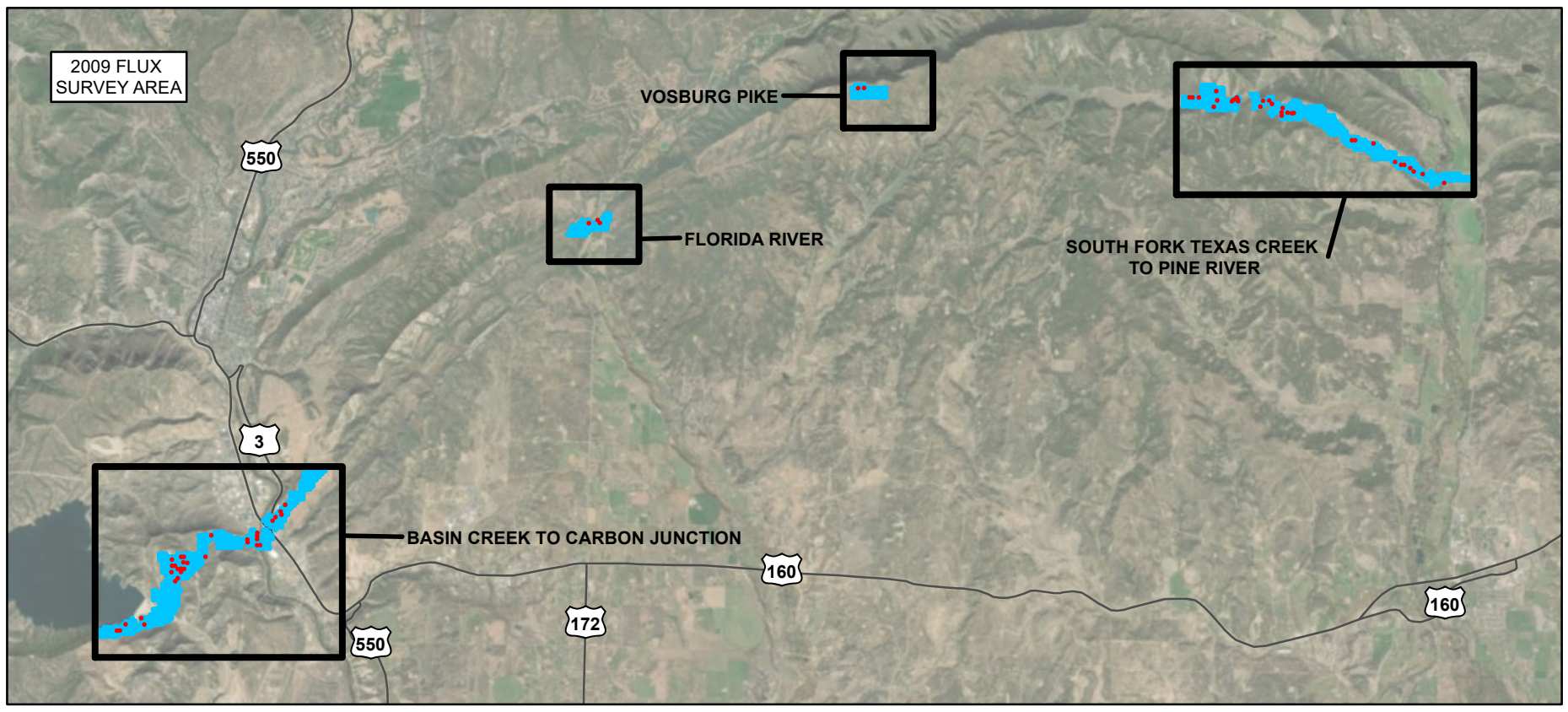


FIGURE 3
CARBON DIOXIDE FLUX CONTOURS
2019 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP





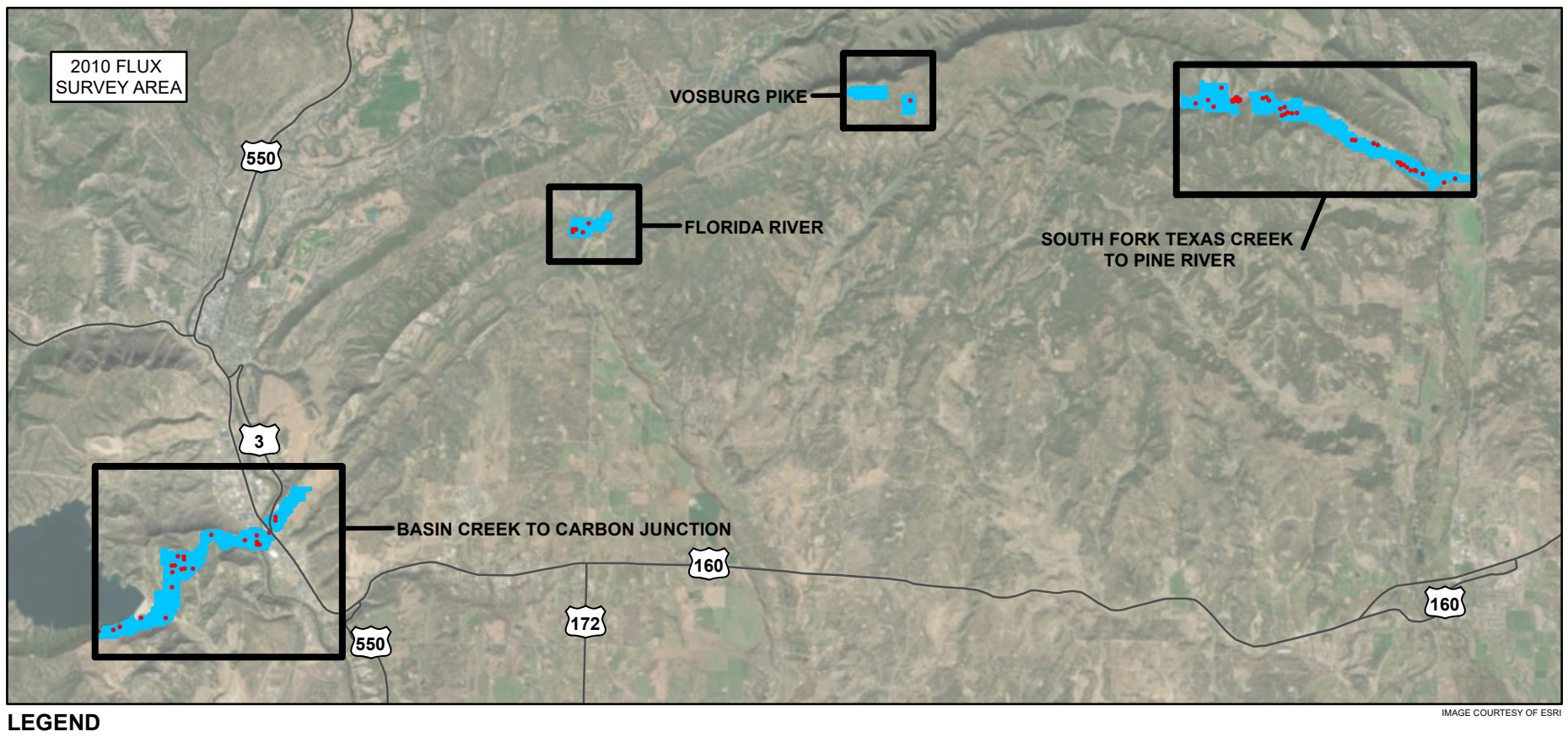


IMAGE COURTESY OF ESRI

LEGEND

- HIGHWAY
- AREA OF INTEREST
- METHANE DETECTED GREATER THAN 0.2000 mol/m ^{2} • day
- mol/m ^{2} • day: MOLES PER SQUARE METER PER DAY
- SURVEY BOUNDARY

SEE FIGURE 5 FOR 2011, 2012, & 2013 METHANE FLUX COMPARISON
SEE FIGURE 6 FOR 2014, 2015, & 2016 METHANE FLUX COMPARISON
SEE FIGURE 7 FOR 2017, 2018, & 2019 METHANE FLUX COMPARISON

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FIGURE 4
METHANE FLUX COMPARISON 2008-2010
2019 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2019\2019_LAPLATA_FIG 04 CH4 COMP 2008-2010.mxd

2011 FLUX SURVEY AREA

VOSBURG PIKE

FLORIDA RIVER

SOUTH FORK TEXAS CREEK TO PINE RIVER

BASIN CREEK TO CARBON JUNCTION

550 3 550 172 160 160

2012 FLUX SURVEY AREA

VOSBURG PIKE

SEC17T35NR8W

FLORIDA RIVER

SOUTH FORK TEXAS CREEK TO PINE RIVER

BASIN CREEK TO CARBON JUNCTION

550 3 550 172 160 160

2013 FLUX SURVEY AREA

VOSBURG PIKE

SEC17T35NR8W

FLORIDA RIVER

SOUTH FORK TEXAS CREEK TO PINE RIVER

BASIN CREEK TO CARBON JUNCTION

550 3 550 172 160 160

IMAGE COURTESY OF ESRI

LEGEND

- HIGHWAY
- AREA OF INTEREST
- METHANE DETECTED GREATER THAN 0.2000 mol/m ^{2} • day
- mol/m ^{2} • day: MOLES PER SQUARE METER PER DAY
- SURVEY BOUNDARY

SEE FIGURE 6 FOR 2014, 2015, & 2016 METHANE FLUX COMPARISON
SEE FIGURE 7 FOR 2017, 2018, & 2019 METHANE FLUX COMPARISON

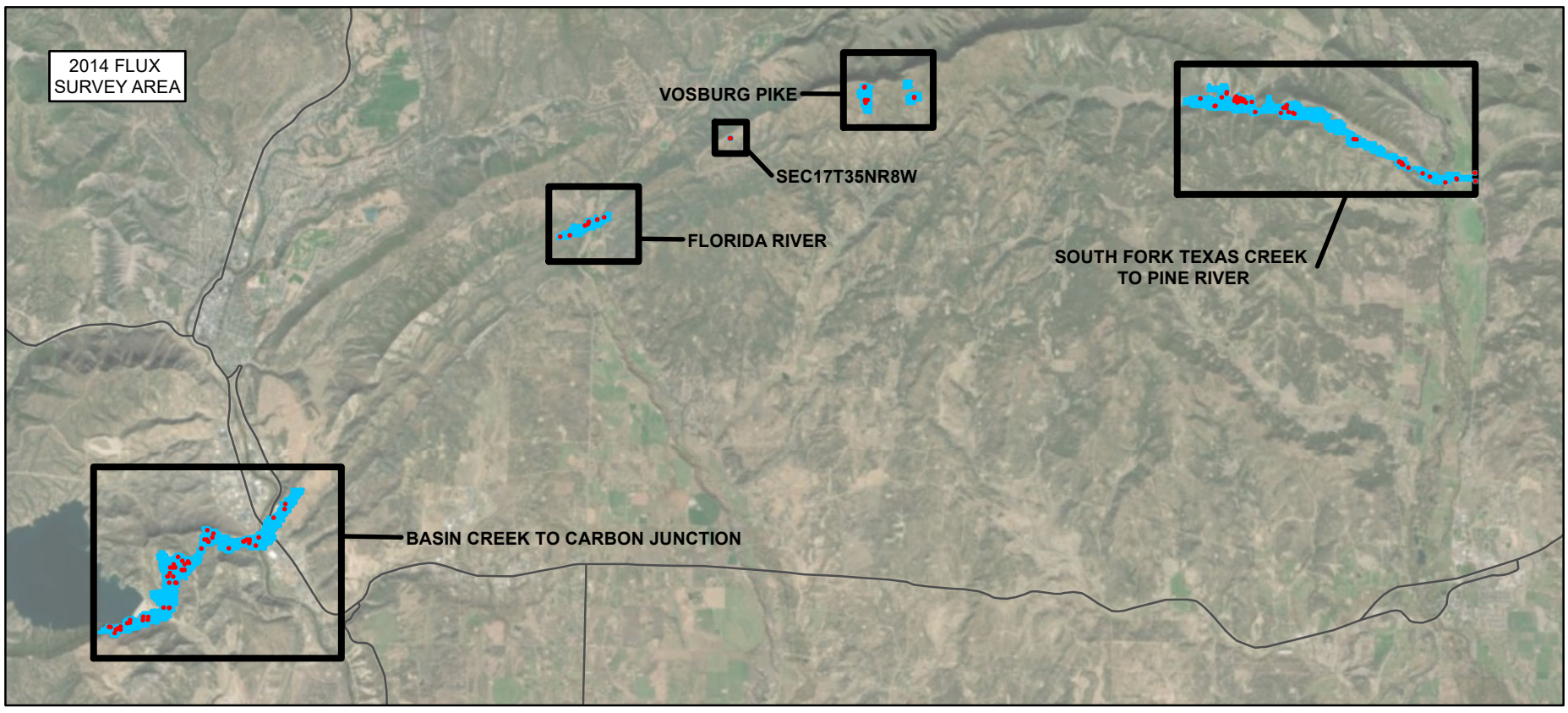
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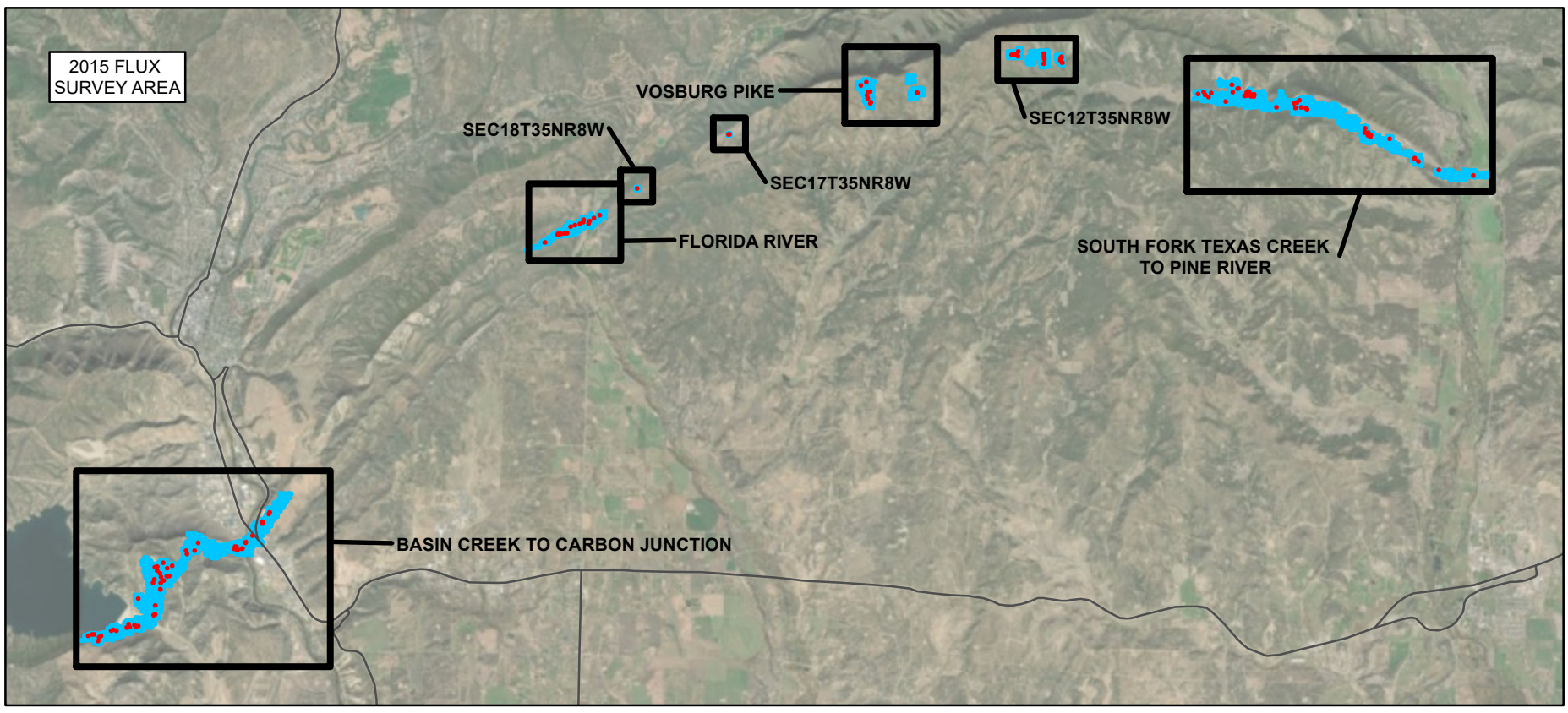
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FIGURE 5
METHANE FLUX COMPARISON 2011-2013
2019 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

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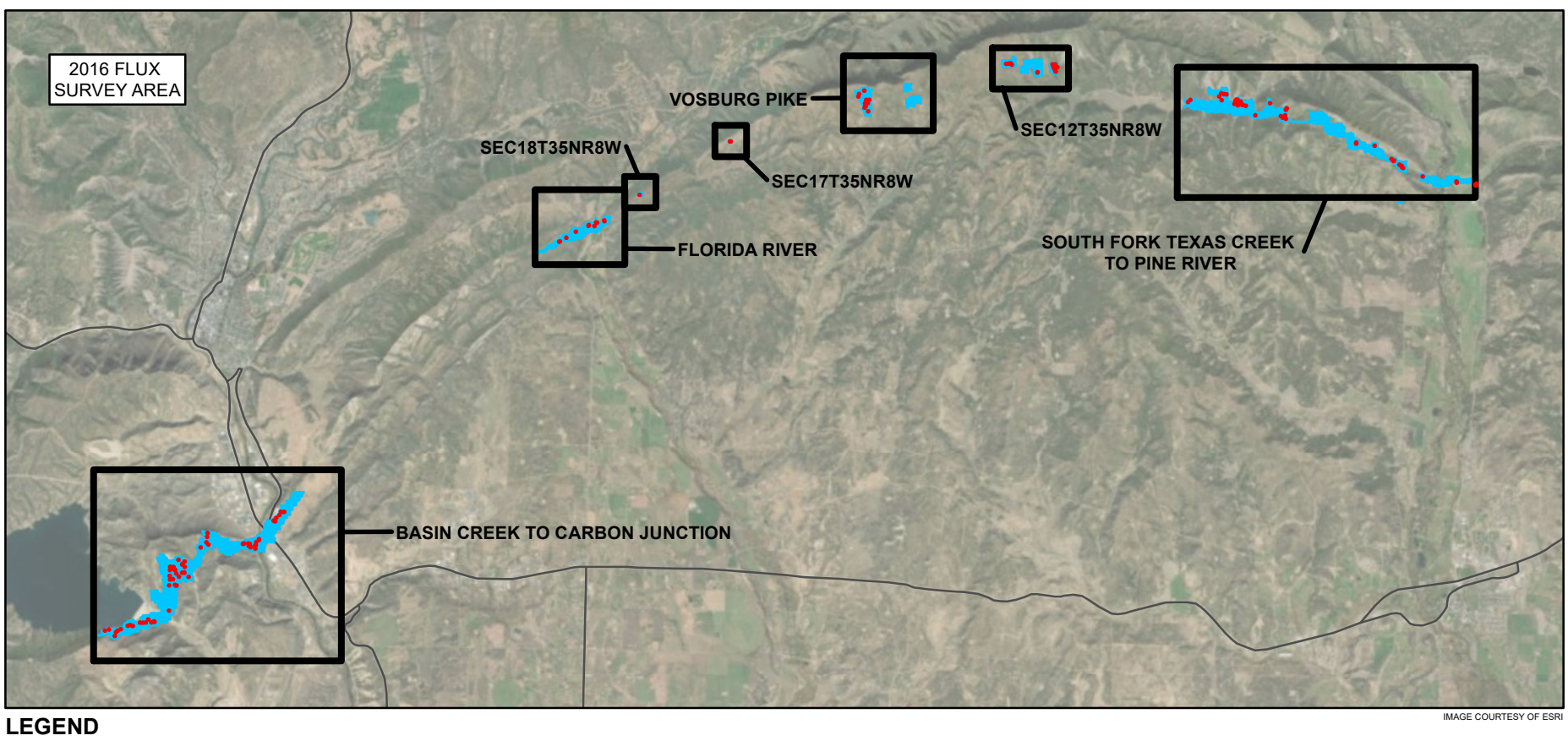


IMAGE COURTESY OF ESRI

LEGEND

- HIGHWAY
- AREA OF INTEREST
- METHANE DETECTED GREATER THAN 0.2000 mol/m ^{2} • day
- mol/m ^{2} • day: MOLES PER SQUARE METER PER DAY
- SURVEY BOUNDARY

SEE FIGURE 7 FOR 2017, 2018, & 2019 METHANE FLUX COMPARISON

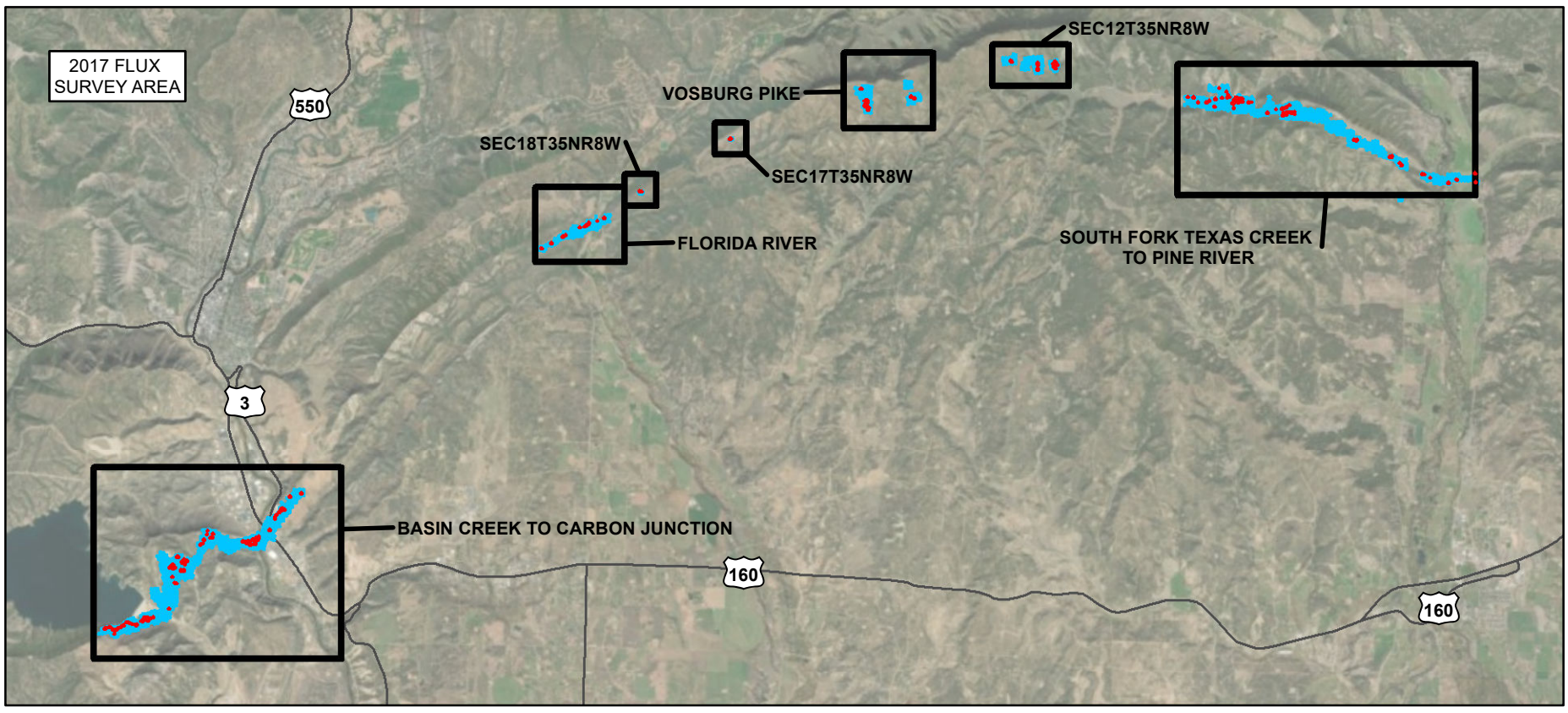
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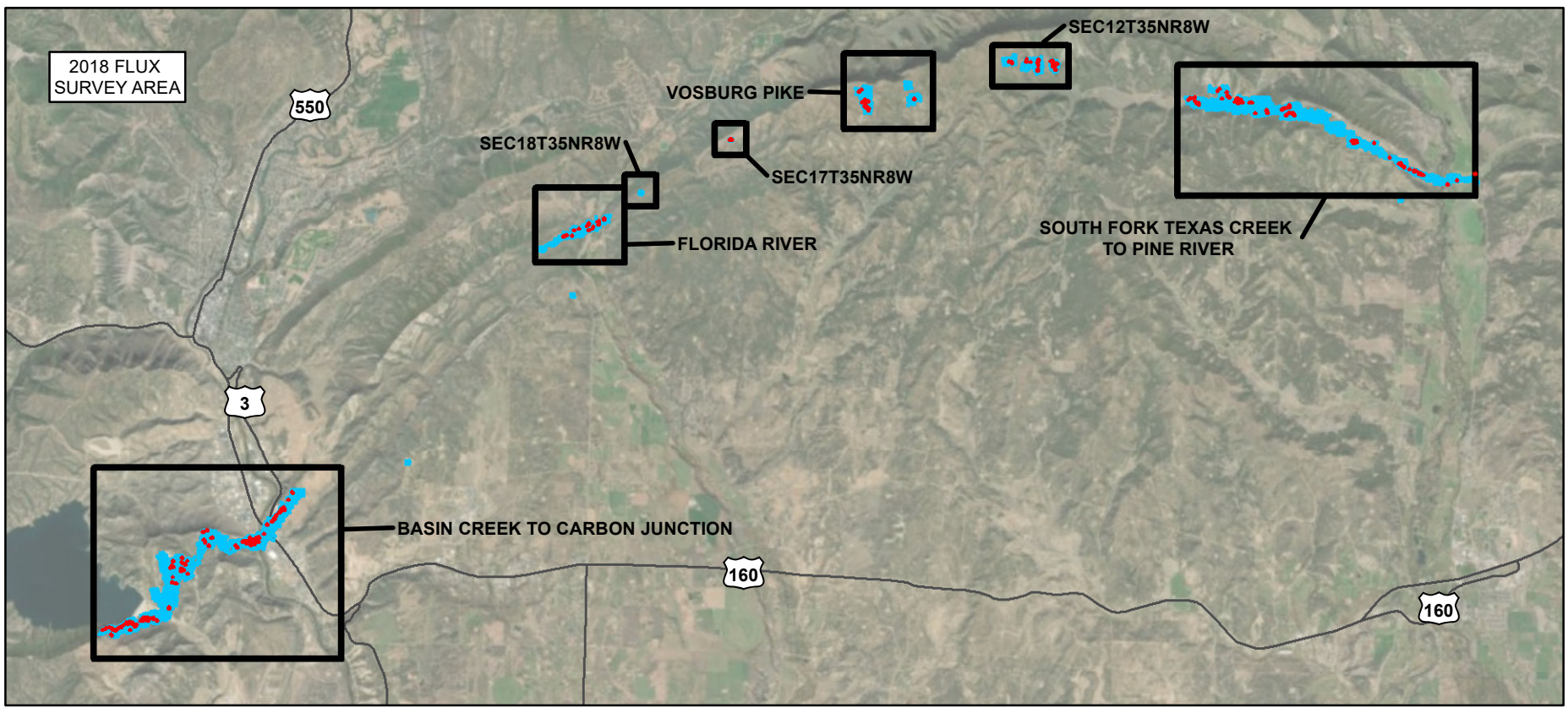
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FIGURE 6
METHANE FLUX COMPARISON 2014-2016
2019 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

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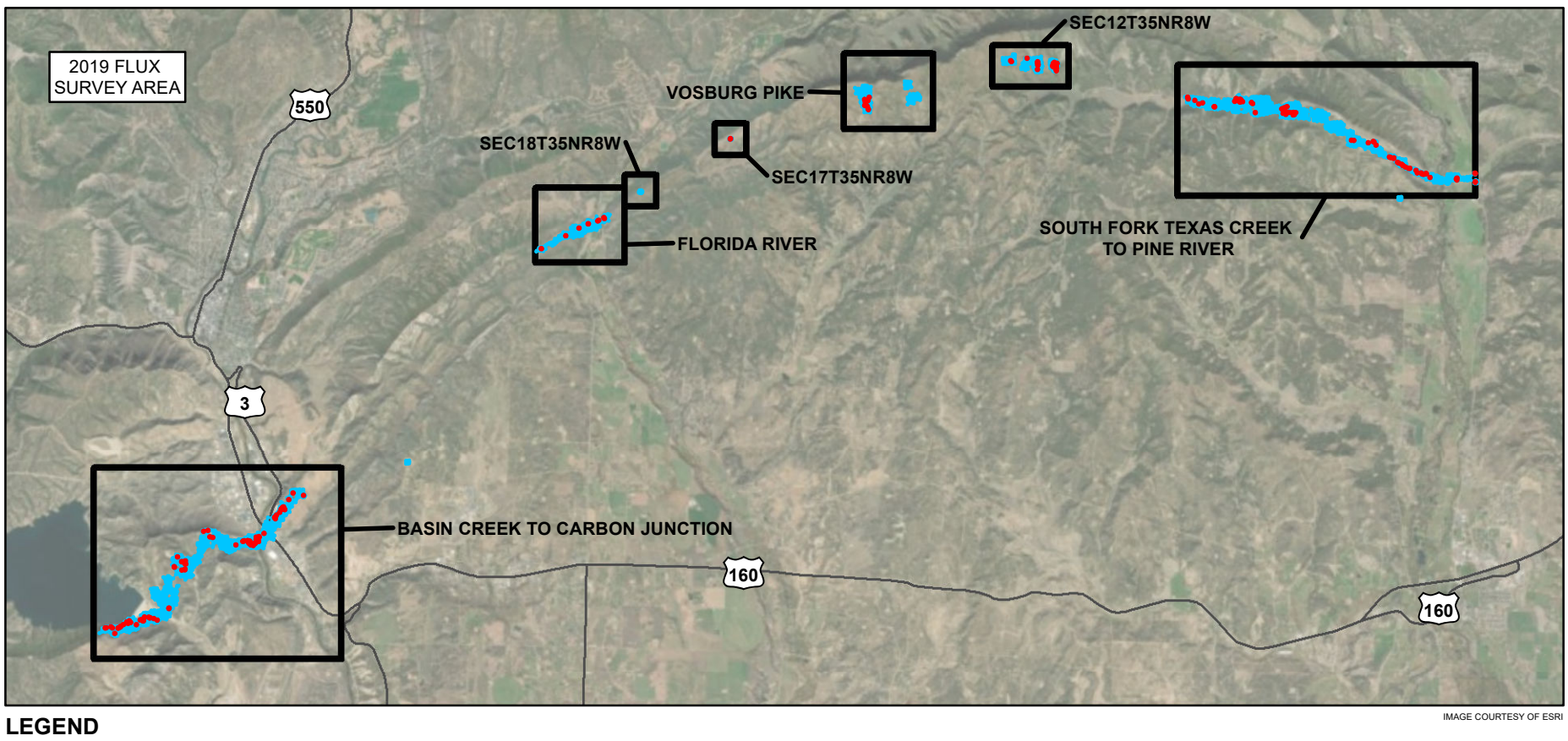


IMAGE COURTESY OF ESRI

LEGEND

- HIGHWAY
- AREA OF INTEREST
- METHANE DETECTED GREATER THAN 0.2000 mol/m ^{2} • day
- mol/m ^{2} • day: MOLES PER SQUARE METER PER DAY
- SURVEY BOUNDARY

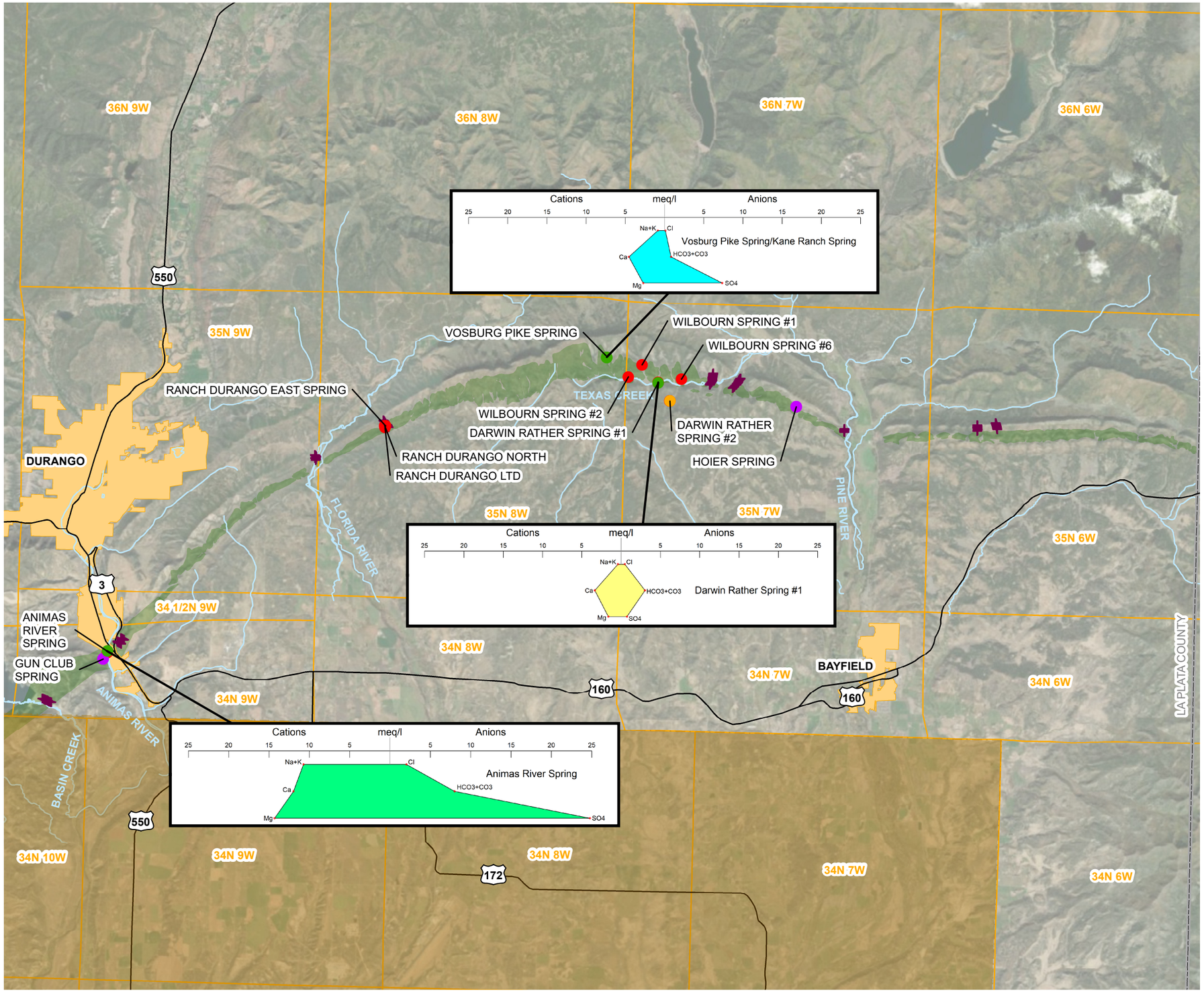
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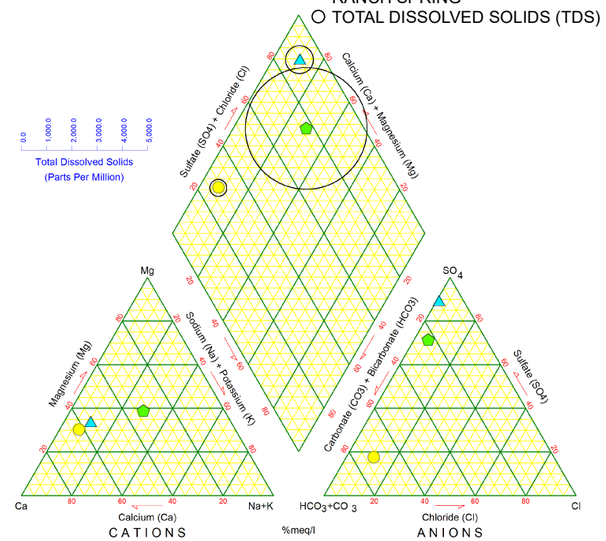
FIGURE 7
METHANE FLUX COMPARISON 2017-2019
2019 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

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ANIMAS RIVER SPRING
DARWIN RATHER SPRING #1
VOSBURG PIKE SPRING/KANE RANCH SPRING
TOTAL DISSOLVED SOLIDS (TDS)



LEGEND

+ GAS MONITORING PROBE

NATURAL SPRING

- DRY
- SAMPLED
- NO FLOW/STAGNANT
- NO ACCESS

HIGHWAY
SURFACE WATER
SOUTHERN UTE INDIAN TRIBE RESERVATION BOUNDARY
COUNTY BOUNDARY
CITY
TOWNSHIP AND RANGE LINES

GEOLOGY

FRUITLAND FORMATION (Kf) - COLORADO GEOLOGICAL SURVEY

IMAGE COURTESY OF ESRI

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FIGURE 8
NATURAL SPRINGS
2019 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

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TABLE 1
PROPERTY ACCESS STATUS

2019 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP

PARCEL NUMBER(S)	LANDOWNER NAME	CITY, STATE ZIPCODE
567110300856, 567115200857, 567115200858, 567115200366	BETKER, KRISTINE J & CRANDALL, DUSTIN A	DURANGO, CO 81301
567514201008, 567514201006, 567514201007, 567514201016, 567514300017, 567514201004, 567509300144, 567508400169, 567508400263, 567508400193, 567508400192	BP AMERICA PRODUCTION CO	DURANGO, CO 81301
567508300307	BRYSON, PHILIP JAMES & LUCY T	BAYFIELD, CO 81122
566904200021, 566905100808, 566905400803	CITY OF DURANGO	DURANGO, CO 81301
566904200808, 566904200809, 566904200067, 566904200068	EWING PARK LLC	DURANGO, CO 81301
567110300889	FIDDLER, BARBARA DILLOW LIV TRUST	DURANGO, CO 81301
567509200375	FINCHER, RONALD C & DARLENE A	BAYFIELD, CO 81122
567514201003	FRIEDMAN, ALAN R & GAY W & TRUSTEES (CARLSON, JODY R)	TUCSON, AZ 85705 (MARANA, AZ 85658)
567514201018	GREEN, BRYAN F & JULIE A	RIO RANCHO, NM 87144
567515200183	IRRIGO, LLC.	IGNACIO, CO 81137
567112100261	KANE RANCH LLC	BAYFIELD, CO 81122
567509200167	KURTZ, H RICHARD & ADELE MARIE	BAYFIELD, CO 81122
566905400810, 566905300811	LA PLATA COUNTY	DURANGO, CO 81301
566905400024	LA PLATA COUNTY HUMANE SOCIETY	DURANGO, CO 81301
567102400804, 567111100803, 567101300802	LIDDELL, CORINNE & ANTHONY J	RIDGWAY, CO 81432
566524100054	LOEHR, WILLIAM & SHERRY	OJAI, CA 93023
567118300800, 566524100806	MACHO FAMILY TRUST	DURANGO, CO 81301
567508300309	MARABLE, CHARLES C & SHERRY L	BLOOMFIELD, NM 87413
567509300188, 567509400231	MASSY, DALE P & GORETSKI, MICHAEL & MARI	WATERFORD, MI 48327
567111300824	MCCULLOUGH, SHERI LYNN TRUSTEE & ETALS	TEMPE, AZ 85283
567118400806, 567119200229, 567119200898, 566524400831	PALMER RANCH LIMITED II & PALMER RANCH LTD	DURANGO, CO 81301
567508300308	POTTER, RODNEY L	BAYFIELD, CO 81122
567507400270	RATHER, DARWIN R & MAXINE J	BASALT, CO 81621
567514100015, 567514100002	REMMOW LAND CO LIMITED PARTNERSHIP	BAYFIELD, CO 81122
566524400817, 566524300818	SUBSURFACE MACHINE & MFG INC	DURANGO, CO 81301
567510400009, 567509400065	ULLMAN RANCHES LLC	VALENCIA, CA 91355
567514201019	YOUNG, JENNIFER SUE TRUST	DURANGO, CO 81301
567508100165, 567508100113	WALKER, CLARENCE GLEN & IVY K	BAYFIELD, CO 81122
567119200267	BEACH, MARSHALL A, MARY P, ZACHARIAH A & TRUSTEES	SANTE FE, NM 87508
567119200197	TURNER, STEPHAN & TURNER-ANDEREGG, REGINA	DURANGO, CO 81301
567508200326	CLARK, BRETT	PATASKALA, OH 43062
567514201009	BRAME, JOEL L	WILDWOOD, MO 63005
566525100135	BUSBY, JOEL JR	DURANGO, CO 81301
567514300014	FOSSEL, JON S	BAYFIELD, CO 81122
567514201017	GOMER, WILLIAM E	SPRING CREEK, NV 89815
566524200126	ORSINI, THOMAS T & MARY M	DURANGO, CO 81301
567508200328	STRAUB, MARK W & SARA I	BAYFIELD, CO 81122

Notes:

Green indicates access granted by landowner
Red indicates access denied by landowner
White indicates no response from landowner

TABLE 2
METHANE AND CARBON DIOXIDE FLUX MEASUREMENTS SUMMARY

2019 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP

Mapping Area	Total Number of Sample Points	Methane Flux		Carbon Dioxide Flux	
		Number of Reportable Sample Points w/ CH_4 [1]	Maximum flux value[2]	Number of Sample Points w/ CO_2	Maximum flux value
Basin Creek to Carbon Junction	608	99	3,208.6	540	69.7
Florida River	132	9	19.7	130	3.4
SEC18T35NR8W	20	0	0.0	20	0.8
SEC17T35NR8W	16	2	7.3	16	2.2
Vosburg Pike	94	11	16.4	91	2.2
SEC12T35NR8W	143	34	1,890.5	141	8.3
Texas Creek to Pine River	679	75	848.3	655	9.6
Total	**1,692**	**230**	----------	**1,593**	----------

Notes:

Flux measurements are in units of moles per square meter per day ($mol/m^2 \cdot day$)

CH_4 - Methane

CO_2 - Carbon dioxide

[1] - Based on methane flux values that are greater than the flux meter reportable limit of 0.2 $mol/m^2 \cdot day$

[2] - Statistics based on measurements greater than the flux meter reportable limit

TABLE 3
HISTORICAL METHANE AND CARBON DIOXIDE FLUX COMPARISON
2019 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

	Methane																					
	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018		2019	
Mapping Area	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)
Basin Creek to Carbon Junction	94	641	406	967	312	760	110	293	179	860	73	1,904	60	2,310	72	4,794	69	5,827	79	7,498	89	9,146	108	7,090	76.78	4,909
Florida River	30	131	52	27	39	622	26	154	12	45	16	119	8	373	11	529	21	801	13	89	16	86	21	3,105	10.83	41
SEC18T35NR8W	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1	2	0.24	2	0.17	0	0	0	0
SEC17T35NR8W	---	---	---	---	---	---	---	---	---	---	2	49	2	9	2	0.43	2	75	2	9	2	5	2	24	1.81	3
Vosburg Pike	14	2	43	11	34	15	23	1	21	115	11	598	8	29	8	147	13	234	13	892	13	654	14	228	9.4	80
SEC12T35NR8W	---	---	---	---	---	---	---	---	---	---	---	---	NM	NM	NM	NM	17	4,114	13	4,090	13	3,779	22	13,206	16.45	1,251
Texas Creek to Pine River	162	5,325	359	4,006	259	2,702	160	1,300	106	1,880	86	6,701	49	3,805	50	5,891	50	5,852	48	5,587	71	2,980	70	2,448	66.23	2,869
TOTAL	**300**	**6,099**	**860**	**5,011**	**644**	**4,099**	**319**	**1,748**	**318**	**2,900**	**188**	**9,371**	**126**	**6,526**	**143**	**11,361**	**174**	**16,904**	**170**	**18,165**	**206**	**16,650**	**237**	**26,101**	**182**	**9,153**

	Carbon Dioxide																					
	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018		2019	
Mapping Area	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)
Basin Creek to Carbon Junction	137	231	582	740	506	747	415	458	515	976	419	2,698	432	656	471	1,368	469	1,455	472	1,019	467	1,214	463	1,205	430	525
Florida River	48	68	61	73	55	119	61	90	67	126	84	197	68	72	66	149	86	263	86	173	88	127	86	91	86	117
SEC18T35NR8W	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4	1	5	2.0	5	1.5	5	1.0	5	1.8
SEC17T35NR8W	---	---	---	---	---	---	---	---	---	---	5	15	3	4	4	3	4	25	4	3.6	4	3.2	4	12.3	4	1
Vosburg Pike	28	44	55	52	41	56	74	132	106	193	103	155	105	106	70	208	74	471	74	224	73	189	72	93	73	65
SEC12T35NR8W	---	---	---	---	---	---	---	---	---	---	---	---	NM	NM	NM	NM	70	306	73	199	72	241	72	383	72	121
Texas Creek to Pine River	173	715	537	1,161	452	580	441	546	404	649	487	1,473	424	526	425	818	414	1,817	389	649	414	1,020	427	859	403	407
TOTAL	**386**	**1,058**	**1,235**	**2,026**	**1,054**	**1,502**	**991**	**1,226**	**1,092**	**1,944**	**1,099**	**4,538**	**1,032**	**1,364**	**1,036**	**2,546**	**1,121**	**4,338**	**1,103**	**2,270**	**1,123**	**2,796**	**1,129**	**2,644**	**1,073**	**1,238**

Notes:
MCFD - thousand cubic feet per day
* Reportable methane flux volumes calculated using points greater than 0.2 moles per squared meter per day
-- denotes sample location not part of sampling program for that year
NM- not measured due to no property access at the time of the flux survey event

TABLE 4
NATURAL SPRINGS SAMPLING STATUS

2019 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP

Natural Spring	2005	2006	2007	2008		2009		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	September	May	October	June	November	May	October	June	May	May	May/June	May	May/June	May/June	May	August	June-August
Animas River Spring	--	--	--	--	--	--	--	--	--	--	--	--	Sampled	Sampled	Sampled	Dry	Sampled
Darwin Rather Spring #1	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	No Access	Sampled
Darwin Rather Spring #2	Sampled	Sampled	Not Sampled	Sampled	Sampled	Sampled	Dry	Sampled	Sampled	Sampled	Dry	No Access	Dry	No Flow	No Flow	No Access	Stagnant
Hoier Spring	Not Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Dry	Not Sampled	Not Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Dry	Dry
Gun Club Spring	--	--	--	--	--	--	--	--	--	--	Sampled	Sampled	Sampled	No Flow	Dry	Dry	Dry
Rancho Durango East Spring	Not Sampled	Not Sampled	Sampled	Not Sampled	Sampled	Dry	Dry	Not Sampled	Not Sampled	No Access	No Access	No Access	No Access	No Access	No Access	No Access	No Access
Rancho Durango LTD Spring	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Not Sampled	No Access	No Access	No Access	No Access	No Access	No Access	No Access	No Access
Rancho Durango North Spring	Not Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Not Sampled	No Access	No Access	No Access	No Access	No Access	No Access	No Access	No Access
Vosburg Pike Spring/ Kane Ranch Spring	--	--	--	--	--	--	--	--	--	--	--	--	No Flow	No Flow	No Flow	Sampled	Sampled

Note:
-- denotes sample location not part of sampling program for that year

TABLE 5
NATURAL SPRINGS FIELD MEASUREMENTS

2019 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP

Natural Spring	Date	Temperature (°C)	pH	Electrical Conductivity (µS/cm)	TDS (mg/L)	ORP (mV)	Flow (GPM)	Subsurface Methane (ppm)
Animas River Spring	6/22/2015	14.57	6.47	3,576	2,310.78	555.8	0.49	0
	6/6/2016	15.3	7.01	3,106	2,015.05	86.6	0.56	0
	5/5/2017	16.08	7.14	288.4	1,950.22	364.8	0.25	0
	6/19/2018	Dry- Not Measured						
	6/20/2019	14.77	6.85	1,463	--	120.4	--	0
Darwin Rather Spring #1	9/17/2005	10.6	7.20	479.9	329.2	59	0.50	--
	5/24/2006	12.3	7.76	425.9	288.4	52	1.0	--
	10/8/2007	15.2	8.05	399.5	210.6	55	1.0	--
	6/23/2008	12.6	7.34	432.0	308.9	81	--	0
	10/15/2008	Dry - Not Measured						
	5/12/2009	7.9	7.16	437.0	--	--	0.23	0
	10/6/2009	8.4	7.18	475	--	--	--	0
	6/29/2010	11.6	6.72	476	--	--	--	0
	5/4/2012	11.1	6.59	429	216	77.4	--	0
	5/21/2012	10.1	6.32	492	244	74.5	--	0
	5/23/2013	9.5	7.2	521	259	50.2	0.11	0
	5/15/2014	8.2	7.5	375	235	270.70	--	0
	5/20/2015	10.35	7.17	390.5	--	148.00	1.13	0
	5/20/2016	10.16	7.68	430.5	277.57	89.9	0.4	0
	5/5/2017	12.66	7.41	401.7	263.24	205.40	5.99	0
	7/16/2018	No Access - Not measured						
	8/22/2019	12.95	7.38	443	--	137.4	--	0
Darwin Rather Spring #2	9/17/2005	14.4	7.50	271.4	178.3	45	<0.25	--
	5/24/2006	13.0	7.69	344	222.9	-62	<1.0	--
	10/8/2007	Dry - Not Measured						
	6/26/2008	18	7.31	261.4	180.5	76	0.63	0
	10/15/2008	10.9	6.9	289	188	3	0.25	0
	5/12/2009	10.5	7.43	270	--	--	1.80	0
	10/6/2009	Dry - Not Measured						
	6/29/2010	21.1	7.58	252	--	--	--	0
	5/4/2011	14.8	7.5	282	142	49.8	--	0
	5/21/2012	15.66	7.36	270	134	14.3	2.573	0
	5/23/2013	Dry - Not Measured						
	5/15/2014	No Access - Not Measured						
	5/20/2015	Dry - Not Measured						
	5/20/2016	Stagnant Water - Not Measured						
	5/5/2017	Stagnant Water - Not Measured						
	7/16/2018	No Access - Not measured						
	8/22/2019	Stagnant Water - Not Measured						
Hoier Spring	5/24/2006	17.5	7.24	670.5	453.9	35	--	--
	10/8/2007	21.0	8.23	221.6	111.9	20	<0.25	--
	6/23/2008	20.8	8.2	257.0	173.0	52.0	0.042	--
	10/15/2008	12.33	7.78	254	165	90.4	0.031	0
	5/14/2009	18.1	6.9	380.0	--	--	0.050	0
	10/6/2009	Dry - Not Measured						
	6/29/2010	Spring pipe cut during monitoring well installation; not enough water to sample						
	5/4/2011	Dry - Not Measured						
	5/21/2012	21.0	6.75	272	135	82.9	0.025	0
	5/23/2013	17.8	6.6	965	475	85.3	0.11	0
	5/15/2014	13.8	7.4	200	--	248.80	0	0
	5/20/2015	14.55	6.34	208.7	--	136.5	0.368	0
	5/20/2016	15.83	7.40	265.5	173.14	1.5	0.2	0
	5/5/2017	14.12	7.75	526.1	344.64	150.2	0.125	0
	6/1/2018	Dry - Not Measured						
	8/22/2019	Dry - Not Measured						
Gun Club Spring	5/29/2013	15.5	7.6	--	--	--	0.13	54.0
	6/11/2014	25.7	7.4	1,674.40	1,055	-72.60	0.04	0
	6/3/2015	18.51	6.89	2,022.20	1,312	-131.10	--	0
	5/20/2016	Stagnant Water - Not Measured						
	6/16/2017	Dry - Not Measured						
	6/19/2018	Dry - Not Measured						
	7/18/2019	Dry- Not Measured						
Rancho Durango East Spring	10/15/2008	7.8	6.5	510	0.334	87.2	0.19	0
	5/12/2009	Dry - Not Measured						
	10/6/2009	Dry - Not Measured						
	6/29/2010	No Access - Not Measured						
	5/4/2011	No Access - Not Measured						
	5/21/2012	No Access - Not Measured						
	5/23/2013	No Access - Not Measured						
	5/15/2014	No Access - Not Measured						
	5/20/2015	No Access - Not Measured						
	5/20/2016	No Access - Not Measured						
	5/5/2017	No Access - Not Measured						
	6/1/2018	No Access - Not Measured						
	8/22/2019	No Access - Not measured						
Rancho Durango LTD Spring	9/14/2005	14.6	8.05	494.1	338.0	66	>1	--
	5/24/2006	19.3	7.38	524.5	345.9	77	1.5	--
	10/8/2007	19.0	7.29	499.7	245.8	529	<0.25	--
	6/23/2008	12.4	8.02	526	376	20	0.48	0
	10/15/2008	12.4	7.4	561	365	126.9	1.5	0
	5/12/2009	10.9	7.36	593	--	--	1.47	0
	10/6/2009	7.1	7.25	635	--	--	0.4	0
	6/29/2010	13.9	7.05	574	--	--	0.49	0
	5/4/2011	No Access - Not Measured						
	5/21/2012	No Access - Not Measured						
	5/23/2013	No Access - Not Measured						
	5/15/2014	No Access - Not Measured						
	5/20/2015	No Access - Not Measured						
	5/20/2016	No Access - Not Measured						
	5/5/2017	No Access - Not Measured						
	6/1/2018	No Access - Not Measured						
	8/22/2019	No Access - Not measured						
Rancho Durango North Spring	5/24/2006	13.4	7.67	533.2	360.7	87	2.0	--
	10/8/2007	19.2	7.28	514.8	263.9	43	<0.5	--
	6/23/2008	19	6.93	728	510.8	51	0.38	0
	10/15/2008	11.4	6.9	617	401	112.8	1.5	0
	5/12/2009	9.7	7.1	591	--	--	2.82	0
	10/6/2009	12.1	7.25	651	--	--	0.6	0
	6/29/2010	13.7	7.03	586	--	--	0.6	0
	5/4/2011	No Access - Not Measured						
	5/21/2012	No Access - Not Measured						
	5/23/2013	No Access - Not Measured						
	5/15/2014	No Access - Not Measured						
	5/20/2015	No Access - Not Measured						
	5/20/2016	No Access - Not Measured						
	5/5/2017	No Access - Not Measured						
	6/1/2018	No Access - Not Measured						
	8/22/2019	No Access - Not measured						
Vosburg Pike Spring/ Kane Ranch Spring	7/17/2015	No Flow - Not Measured						
	5/20/2016	No Flow - Not Measured						
	5/5/2017	No Flow - Not Measured						
	8/7/2018	20.47	8.78	0.35	227.69	125.2	<0.25	0
	7/18/2019	18.9	7.09	642.2	415.5	--	--	0

Notes:

°C - degrees Celsius
GPM - gallons per minute
mg/L - milligrams per liter
mV - millivolts
-- denotes a measurement was not collected
ORP - oxidation reduction potential

ppm - parts per million
TDS - total disolved solids
µS/cm - micro Siemens per centimeter
< - less than
> - greater than

TABLE 6
NATURAL SPRINGS DISSOLVED METHANE CONCENTRATIONS

2019 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP

Natural Spring	DISSOLVED METHANE (mg/L)																
	2005	2006	2007	2008		2009		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	September	May	October	June	October	May	October	June	May	May	May/June	May/June	May/June	May/June	May	August	June-August
Animas River Spring	--	--	--	--	--	--	--	--	--	--	--	--	<0.02	<0.02	0.0042	--	0.0008
Darwin Rather Spring #1	<0.0005	<0.0010	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0010	--	0.001
Darwin Rather Spring #2	0.002	0.0017	--	<0.02	<0.02	<0.02	--	<0.02	<0.02	<0.02	--	--	--	--	--	--	--
Hoier Spring	--	0.0017	<0.02	<0.02	<0.02	<0.02	--	--	--	<0.02	1.27	<0.02	1.14	0.36	0.0314	--	--
Gun Club Spring	--	--	--	--	--	--	--	--	--	--	4.22	4.22	2.50	--	--	--	--
Rancho Durango North Spring	--	<0.0010	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--	--	--	--	--	--	--	--	--
Rancho Durango East Spring	--	--	--	--	<0.02	--	--	--	--	--	--	--	--	--	--	--	--
Rancho Durango LTD Spring	<0.0005	0.0016	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	--	--	--	--	--	--	--	--	--
Vosburg Pike Spring/ Kane Ranch Spring	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15	8.1

Notes:

mg/L - milligrams per liter

< - less than the stated laboratory method detection limit

-- denotes not sampled

TABLE 7
NATURAL SPRINGS MAJOR IONS CONCENTRATIONS

2019 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP

		Cations				Anions				
Natural Spring	Sample Date	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Carbonate (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	TDS (mg/L)
Animas River Spring	6/22/2015	289	231	265	5.4	<10.0	510	1,620	67	2,830
	6/6/2016	249	182	230	<10.0	<10.0	507	1,250	66.2	2,720
	5/5/2017	273	205	262	5.2	<10.0	488	1,190	72	2,440
	6/19/2018	Not Sampled				Not Sampled				Not Sampled
	6/20/2019	240	174	244	4.35	<10.0	488	1190	72.0	2,440
Darwin Rather Spring #1	6/23/2008	65	21.4	9.0	1.3	<10.0	212	39	<10	230
	10/15/2008	56.7	18.6	7.5	0.9	<10.0	208	34	11	230
	5/12/2009	54.7	17.6	7.8	1.1	<10.0	200	33	10	205
	6/29/2010	59.9	19.6	8.4	1.3	<10.0	204	44	<10	245
	5/4/2011	52.4	17.3	7.4	2.1	<10.0	178	38	13	255
	5/21/2012	56.0	18.4	7.5	1.48	<10.0	178	36.0	14.0	255
	5/23/2013	63.8	20.9	7.85	1.14	<10.0	189	41.0	<10.0	295
	5/15/2014	60.7	20	7.92	1.80	<10.0	182	29.0	24.0	235
	5/20/2015	52.7	17.3	7.62	1.14	<10.0	166	28.8	27.0	215
	5/20/2016	55.0	16.5	6.55	<5.00	<10.0	158	27.4	15.7	290
	5/5/2017	58.0	17.2	7.83	1.21	<10.0	189	28.8	13.1	250
	7/16/2018	Not Sampled				Not Sampled				Not Sampled
	8/22/2019	67.2	19.8	8.35	2.12	<10.0	185	35.9	16.4	215
Darwin Rather Spring #2	6/23/2008	39.3	6.1	13.6	<0.5	<10.0	138	19	<10	130
	10/15/2008	33.7	6.6	10.9	0.5	<10.0	133	16	<10	170
	5/12/2009	35.3	6.7	11.3	0.8	<10.0	123	22	<10	150
	6/29/2010	37.9	6.5	11.8	1.3	<10.0	119	12	<10	140
	5/4/2011	35.4	6.1	13	0.7	<10.0	120	28	<10	185
	5/21/2012	30.7	4.89	13.4	<1.00	<10.0	103	23.0	<10.0	170
	5/23/2013	Not Sampled				Not Sampled				Not Sampled
	5/15/2014	Not Sampled				Not Sampled				Not Sampled
	5/20/2016	Not Sampled				Not Sampled				Not Sampled
	5/20/2015	Not Sampled				Not Sampled				Not Sampled
	5/20/2016	Not Sampled				Not Sampled				Not Sampled
	5/5/2017	Not Sampled				Not Sampled				Not Sampled
	7/16/2018	Not Sampled				Not Sampled				Not Sampled
	8/22/2019	Not Sampled				Not Sampled				Not Sampled
Hoier Spring	6/23/2008	25.8	12.4	13.9	1.3	<10.0	144	<10	<10	105
	10/15/2008	23.7	11.8	13.7	1.4	<10.0	138	<10	<10	135
	5/14/2009	24.0	11.2	11.9	1.2	<10.0	133	<10	<10	100
	6/29/2010	Not Sampled				Not Sampled				Not Sampled
	5/4/2011	Not Sampled				Not Sampled				Not Sampled
	5/21/2012	22.8	11.0	11.5	1.21	<10.0	120	<10.0	<10.0	185
	5/23/2013	23.5	11.4	12.2	1.26	<10.0	119	<10.0	<10.0	145
	5/15/2014	30.6	15.5	12.8	1.65	<10.0	154	<10.0	<20.0	150
	5/20/2015	22.1	10.2	7.54	1.27	<10.0	100	<10.0	<10.0	135
	5/20/2016	22.7	11.1	10.3	<5.00	<10.0	118	5.1	1.4	135
	5/5/2017	25.4	12.3	11.8	1.11	<10.0	119	15.50	1.41	175
	6/1/2018	Not Sampled				Not Sampled				Not Sampled
	8/22/2019	Not Sampled				Not Sampled				Not Sampled
Gun Club Spring	5/29/2013	465	198	65.0	15.2	NA	NA	2,650	12.0	3,930
	6/11/2014	165	121	68.6	8.42	<10.0	167	1,180	16	1,670
	6/3/2015	359	155	63	15.9	<10.0	79	1,630	<100	2,460
	6/20/2016	Not Sampled				Not Sampled				Not Sampled
	5/5/2017	Not Sampled				Not Sampled				Not Sampled
	6/19/2018	Not Sampled				Not Sampled				Not Sampled
	6/20/2019	Not Sampled				Not Sampled				Not Sampled
Rancho Durango LTD Spring	6/23/2008	79.5	20.1	16.7	0.9	<10.0	252	69	<10	305
	10/15/2008	69.7	17.5	14.9	1.0	<10.0	252	71	<10	300
	5/12/2009	79.8	19.1	16.4	1.2	<10.0	258	80	<10	305
	6/29/2010	80.3	18.7	16.9	1.4	<10.0	250	69	<10	350
	5/4/2011	Not Sampled				Not Sampled				Not Sampled
	5/21/2012	Not Sampled				Not Sampled				Not Sampled
	5/23/2013	Not Sampled				Not Sampled				Not Sampled
	5/15/2014	Not Sampled				Not Sampled				Not Sampled
	5/20/2015	Not Sampled				Not Sampled				Not Sampled
	5/20/2016	Not Sampled				Not Sampled				Not Sampled
	5/5/2017	Not Sampled				Not Sampled				Not Sampled
	6/1/2018	Not Sampled				Not Sampled				Not Sampled
	8/22/2019	Not Sampled				Not Sampled				Not Sampled
Rancho Durango North Spring	6/23/2008	108	31.9	14.5	2.0	<10.0	332	122	<10	460
	10/15/2008	77.1	22.0	13.7	1.1	<10.0	276	79	<10	355
	5/12/2009	80.1	19.3	15.5	1.1	<10.0	262	71	<10	335
	6/29/2010	83.4	19.8	16.8	1.1	<10.0	252	80	<10	340
	5/4/2011	Not Sampled				Not Sampled				Not Sampled
	5/21/2012	Not Sampled				Not Sampled				Not Sampled
	5/23/2013	Not Sampled				Not Sampled				Not Sampled
	5/15/2014	Not Sampled				Not Sampled				Not Sampled
	5/20/2015	Not Sampled				Not Sampled				Not Sampled
	5/20/2016	Not Sampled				Not Sampled				Not Sampled
	5/5/2017	Not Sampled				Not Sampled				Not Sampled
	6/1/2018	Not Sampled				Not Sampled				Not Sampled
	8/22/2019	Not Sampled				Not Sampled				Not Sampled
Rancho Durango East Spring	10/15/2008	60.5	12.9	14.8	0.7	<10.0	206	42	<10	250
	5/12/2009	Not Sampled				Not Sampled				Not Sampled
	6/29/2010	Not Sampled				Not Sampled				Not Sampled
	5/4/2010	Not Sampled				Not Sampled				Not Sampled
	5/4/2011	Not Sampled				Not Sampled				Not Sampled
	5/21/2012	Not Sampled				Not Sampled				Not Sampled
	5/23/2013	Not Sampled				Not Sampled				Not Sampled
	5/23/2013	Not Sampled				Not Sampled				Not Sampled
	5/20/2015	Not Sampled				Not Sampled				Not Sampled
	5/20/2016	Not Sampled				Not Sampled				Not Sampled
	5/5/2017	Not Sampled				Not Sampled				Not Sampled
	6/1/2018	Not Sampled				Not Sampled				Not Sampled
	8/22/2019	Not Sampled				Not Sampled				Not Sampled
Vosburg Pike Spring/Kane Ranch Spring	7/17/2015	Not Sampled				Not Sampled				Not Sampled
	5/20/2016	Not Sampled				Not Sampled				Not Sampled
	5/5/2017	Not Sampled				Not Sampled				Not Sampled
	8/7/2018	46.8	17.8	12.7	6.08	<10.0	49	128	3.36	510
	7/18/2019	91.3	33.1	16.4	5.62	<10.0	50.0	353	3.60	560

Notes:

< - less than laboratory reporting limit
mg/L - milligrams per liter
NA - not analyzed due to acidity (510 mg/L)
TDS - total dissolved solids

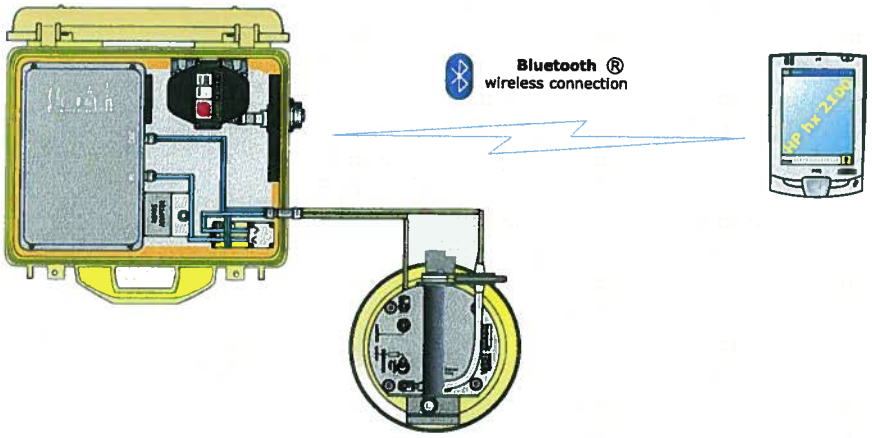
APPENDIX A

EQUIPMENT SPECIFICATIONS

WEST Systems portable soil flux meter

for Carbon dioxide, Methane and Hydrogen sulfide fluxes

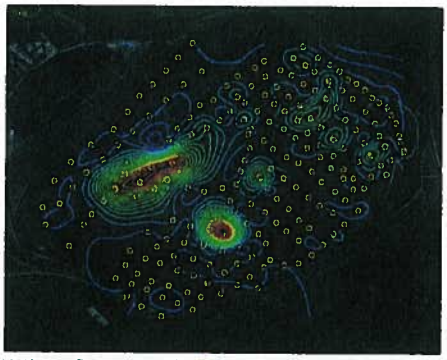
The WEST Systems Fluxmeter is a portable instrument for the measurement of soil gas diffuse degassing phenomena that uses the accumulation chamber method.



This method studied for soil respiration in agronomy (Parkinson) and for soil degassing in volcanic areas (R. Cioni et al.), has been designed by WEST Systems to obtain a portable instrument that allows the performance of measurements with very good accuracy in a short time. The instrument allows a wide range evaluation of the amount of soil gas flux and can be utilized for the evaluation of biogas degassing (landfills), for the survey of non visible degassing phenomena in volcanic and geothermal areas as well as soil respiration rate in agronomy. In the picture below, the results of the degassing survey of a landfill.



Portable fluxmeter



Methane flux contour linees



a group of researchers during a flux mapping fieldwork, using the WS-LI820 flux meter

Courtesy of United States Geological Survey

WEST Systems

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Portable soil flux meter

Common physical characteristics:
Total Weight = 8.3 Kg/16 lbs. to be carried on the back using the backpack-like support vest. The field operator will also have to carry one of the accumulation chambers and the palmtop:

Warm Up
Only at instrument cold start-up a warm-up time of 20 minutes is required. The typical measurement time ranges from 2 to 4 minutes and the autonomy of the instrument is about 4 hours with a single NiMH 14.4 Volts, 2.6 A/h battery. The instrument comes with two interchangeable batteries.

Accumulation Chamber specifications:
- Accumulation chamber A diameter : 200 mm / Height: 100 mm / weight: 1.5 Kg/3.3 lbs
- Accumulation chamber B diameter : 200 mm / Height: 200mm / weight : 2.2 Kg /4.84 lbs

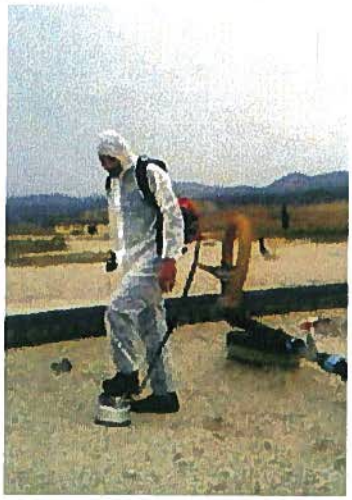
Palm top computer: PocketPC Color Display based on Windows Mobile operating system.
- PalmTop with cables, 0.3 Kg/0.7 lbs.
- Size 125mm (4.8") x 82mm (3.2") * 25 mm (1").

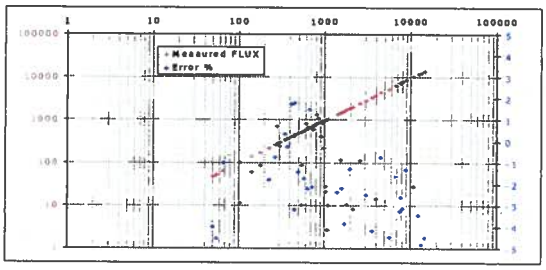
Software The instrument is supplied with a custom software, FluxManager, which allows recording and visualization of the increase in concentration of the target gas in the accumulation chamber, and then the flux calculations. The obtained measurements can be saved on the palmtop computer and then transferred to a desktop PC with a USB connection or using a SD card.

The instrument is supplied complete with:
- backpack-like support vest
- Carrying case for transport and storage
- 2 batteries NiMH 14.4 Volts 2.6 A/h and 1 NiMH battery charger Accumulation chamber A and B
- Palmtop Pocket PC
- User Manual, in English
- FLUX Manager Software for Windows Mobile, in English

The standard flux meter configuration is supplied with a single gas detector, normally the carbon dioxide detector. The fluxmeter can host two sensors by the way special releases, based on specific customer request, it can be supplied with a maximum of 3 sensors.

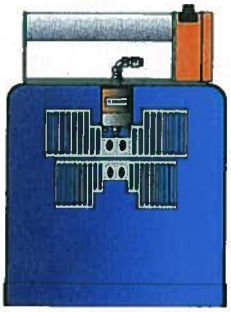
Finally we improved the connection between the instrument and the palmtop that now is based on BlueTooth wireless embedded device.





The measured carbon dioxide flux vs imposed flux (grams m^{-2} day^{-1});
The error % vs imposed flux (in blue).

The instrument is extremely versatile and allows measurement of flux in 2/4 minutes. In the picture: Soil bio-gas flux monitoring in a landifll.



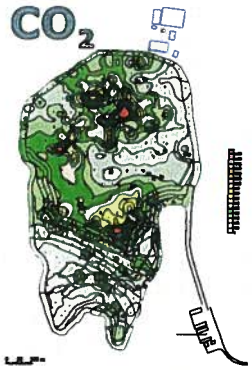
Accumulation Chamber Type B

The accumulation chambers

In the normal use of instrument only the chamber B is used. To extend the instrument sensitivity to very low fluxes the accumulation chamber A is supplied.

	Type A	Type B
net area m^2	0.0314	
net volume m^3	0.003	0.006

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CO_2 - LI820

LI820 based Carbon dioxide fluxmeter

The CO_2 Fluxmeter is equipped with the LICOR LI-820 the most accurate and reliable portable carbon dioxide detector. The LI-820 is a double beam infrared sensor compensated for temperature variation in the range from -10 to 45°C and for atmospheric pressure variation in the range 660-1060 HPa. Accuracy 2% repeatability ±5ppm. The full scale range can be set to 1000 , 2000, 5000 or 20000 ppmV of carbon dioxide. The characteristics of precision refer to the sensor set to a full scale range of 20000 ppmV. If a very high sensitivity is required, the detector can be set to 1000 or 2000 ppm full scale value to measure with very high precision fluxes in the range from 0 to 10 moles m^{-2} day^{-1}

CO_2 FLUX Measurement range:
from 0 up 600 moles m^{-2} day^{-1}

The accuracy depends on the measured flux:

0 to 0.5 moles m^{-2} day^{-1}	25% (Acc.ch.A)
0.5 to 1 moles m^{-2} day^{-1}	15% (Acc.ch.A or B)
1 to 150 moles m^{-2} day^{-1}	10% (Acc.ch.B)
150 to 300 moles m^{-2} day^{-1}	10% (Acc.ch.B)
300 to 600 moles m^{-2} day^{-1}	20% (Acc.ch.B)

WS-DRAGER CO_2

WS-DRAGER: CO_2 Flux measurement:

A double beam infrared sensor compensated for temperature variation in the range from -20 to 65°C. Accuracy 3%. The full scale value can be set from 2,000 to 300,000 ppm of carbon dioxide. Carbon Dioxide flux measurement range from 0.5 to 1500 moles/m^2 per day.

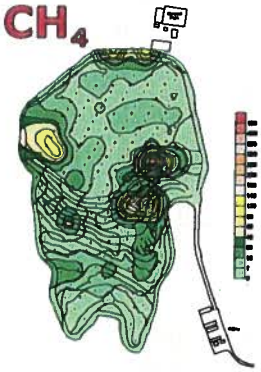
The precision depends on the measured flux:

range:0.5 – 5 moles/m^2 per day 25% (Acc. chamber A)

5-350 moles/m^2/day 10% (Acc. chamber B)

350-600 moles/ m^2/day 25% (Acc. chamber B)

600-1500 moles/ m^2/day 25% (Acc.Ch.B / F.S.=10%)



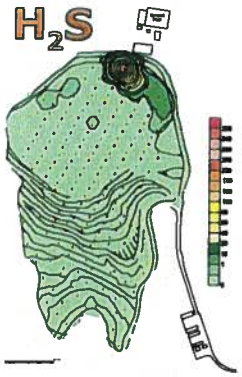
WS-HC CH^4

Methane fluxmeter

The methane sensor is an IR spectrometer. The full-scale range is 50000ppm, accuracy of 5% of reading, and repeatability is 2% of span. Detection limit 60 ppm, resolution 22 ppm. The detector was designed to measure the not controlled emissions of landfill, but it can be used to detect methane emission from coal or wherever the 0.2 moles/m^2/day detection limit is acceptable.

Methane Flux measurement range
from 0.2 up 300 moles m^{-2} day^{-1}
The fluxmeter is provided with 2 accumulation chambers and the accuracy depends on the measured flux:

0.2 to 10 moles m^{-2} day^{-1}	25% (Acc.Ch.A)
10 to 150 moles m^{-2} day^{-1}	15% (Acc.Ch.A)
150 to 300 moles m^{-2} day^{-1}	20% (Acc.Ch.B)



H_2S - WEST

Hydrogen sulfide

The hydrogen sulphide detector is a electrochemical cell with the following specifications:
The full-scale range is 20ppm, with a precision of 3% of reading, and the repeatability is 1.5% of span with a zero offset of 0.3%.

H_2S Flux measurement range: from 0.0025 to 0.5 moles/m^2 per day.
The precision depends on the measured flux:
0.0025 – 0.05 moles/m^2 per day ±25% (Acc. Chamber A)
0.05 – 0.5 moles/m^2 per day ±10% (Acc. Chamber B)

NOTE: The hydrogen sulphide flux evaluation can be affected by the presence of large quantities of water in both liquid and vapour phases.

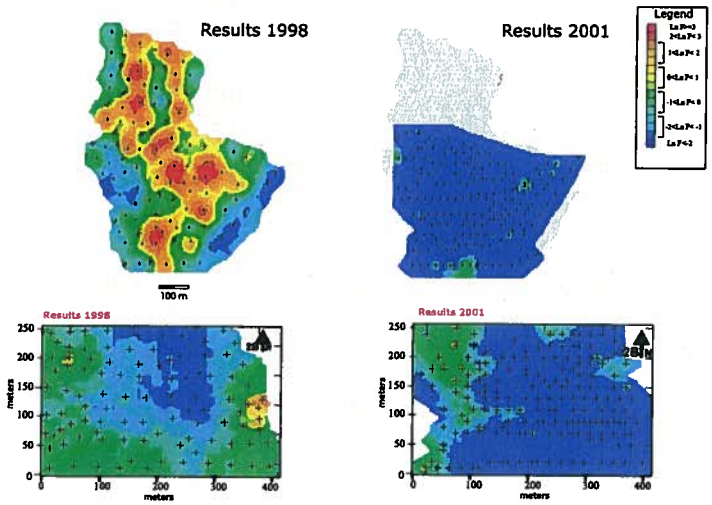
We thanks to N.Lima et al. for the maps.

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Application on a landfill: mapping the biogas non controlled emissions.

The figure shows the compare between the results of the measurement regime of a land/fill undertaken in 1998 and 2001: the mapping performed in 1998 gave clear indications of the areas which required intervention to improve the cover and the capture system.
The interventions were performed only where necessary with a significant economic savings.
The measurement regime of 2001 indicates without any doubt that the intervensions were efficient and state-of-the-art.



The obtained results:

- Minor atmospheric emissions;
- Higher quantity and better quality of biogas for cogeneration;
- Optimisation of management costs.

Continuous soil flux monitoring

WEST Systems produces a soil gas station for the continuous monitoring of carbon dioxide and hydrogen sulfide flux, soil temperature , soil water content, soil pressure gradient, soil heat flux and meteorological parameters.
For more information contact your local representative, visit our web site or e-mail to: g.virgili@westsystems.com

Local sales representative

H.Q.

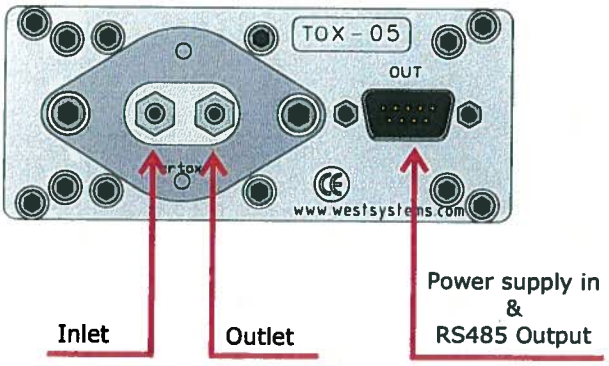
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Hydrogen Sulfide Detector



Pin	Signal
1	Gnd
2	+VDC
3	Gnd
4	RS485-B
5	RS485-A
6	Gnd
7	+12V
8	Gnd
9	RS485-B

Legenda
Gnd: Ground reference for power supply and RS485
+VDC: 10-28 Volts Power supply input
RS485-A: Digital signal output A
RS485-B: Digital signal output B

Sensor specifications
Ambient conditions:
Air temperature -40°C to 65 °C
Air pressure 700 hPa to 1300 hPa
Air RH 5% - 95% non condensating.
Expected sensor life > 24 months.
Chemical cell order code: WEST H2S-BH
Detector order code: WEST TOX-05-H2S-BH
Factory calibration : 20 ppm
RMS Noise <= 0.02 ppm
Zero Offset <= 0.2 ppm
Max Overrange >= 200 ppm

The chemical cell reaction is:

$$H_2S + 2O_2 = H_2SO_4$$

the gas sample specific consuption is very low:

2.5×10^{-10} moles/Sec per ppm

Due to this consuption the H2S flux is methodically understimated by a -10% with the AccumulationChamber A and by a -5% when using the accumulation chamber B. Then we advise to use the accumulation chamber B except when the flux is very very low.

Appendix M

WS-HC detector

WS-HC Hydrocarbon Flux measurement:
The HydroCarbon detector is based on a double beam infrared spectrometer able to detect methane, hexane , propane and other molecules with HC linkages. The instrument comes calibrated for the methane. *The instrument requires a frequent **zero base-line** calibration that will be done using atmospheric air. The calibration requires 20 second.*

Detector specifications:

Accuracy 5%

Repeatibility 2%

Resolution 22 ppm (Methane equivalent)

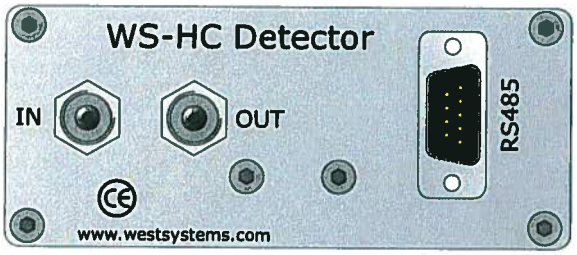
Full scale range is 50000 ppm of methane.

Detection limit 60 ppm.

Methane flux measurement range from 0.1 to 150 moles/m^2 per day.
The precision depends on the measured flux:

```
range 0.1  5      moles/ m^2 per day ±25%
      5 - 150     moles/ m^2 per day ±10%
```

The measurement of very low fluxes (< 0.1 moles/m^2/day) is possible but the error will increase due to the low detector sensitivity.



RS485 Connector DB9 Male panel

Pin 1	**Gnd**
Pin 2	**+Power supply**
Pin 3	**Gnd**
Pin 4	**RS485 B**
Pin 5	**RS485 A**
Pin 6	**Gnd**
Pin 7	**+Power supply**
Pin 8	**Gnd**
Pin 9	**RS485 B**

The gas fittings can be used with rilsan 6x4 mm tubes or silicon 5x3.2 tubes. Please respect inlet and outlet ports.

LI-820 Specifications

CO_2 Specifications

Measurement Range: 0-1000 ppm, 0-2000 ppm with 14 cm bench; 0-5000 ppm, 0-20000 ppm with 5 cm bench

Accuracy: < 2.5% of reading with 14 cm bench; 4% of reading with 5 cm bench

Calibration Drift

[1]Zero Drift: < 0.15 ppm / °C

[2]Span Drift at 370 ppm: < 0.03% / °C

[3]Total Drift at 370 ppm: <0.4 ppm / °C

RMS Noise at 370 ppm with 1 sec Signal Filtering: < 1 ppm

[1] Zero drift is the change with temperature at 0 concentration
[2] Span drift is the change after re-zeroing following a temperature change
[3] Total drift is the change with temperature without re-zeroing or re-spanning

Measurement Principle: Non-Dispersive Infrared

Traceability: Traceable gases to WMO standards from 0-3000 ppm. Traceable gases to EPA protocol gases from 3000 to 20000 ppm

Pressure Compensation Range: 15 kPa-115 kPa

Maximum Gas Flow Rate: 1 liter/minute

Output Signals: Two Analog Voltage (0-2.5 V or 0-5 V) and Two Current (4-20 mA)
Digital: TTL (0-5 V) or Open Collector

DAC Resolution: 14-bits across user-specified range

Source Life: 18000 hours

Power Requirements: Input Voltage 12-30 VDC
1.2A @ 12V (14 W) maximum during warm-up with heaters on
0.3 A @ 12 V (3.6 W) average after warm-up with heaters on

Supply Operating Range: 12-30 VDC

Operating Temperature Range: -20 to 45 °C

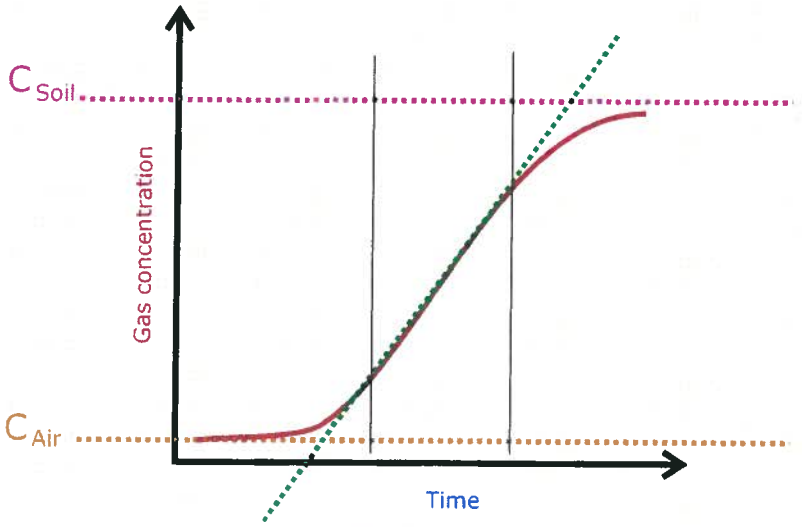
Relative Humidity Range: 0 to 95% RH, Non-Condensing

Dimensions: 8.75" x 6" x 3" (22.23 x 15.25 x 7.62 cm)

Weight: 2.2 lbs (1 kg)

Quantifying the flux

How explained in the chapter 3 the flux is proportional to the concentration increase ratio ppm/sec. The proportionality factor depends on the chamber volume/surface ratio as well as the barometric pressure and the air temperature inside the accumulation chamber.



There are two methods to carry out the field work, in both cases for each measurement you have to record the type of accumulation chamber used, the barometric pressure, and the air temperature.
The variation of few mBar of the pressure and or few degrees of temperature do not affect the evaluation of flux very much, then you can use a mean value for both parameters. Of course that depends on the accuracy you want to reach for the evaluation of flux.
The instrument measures the barometric pressure, using the embedded pressure sensor of the LICOR, with a good accuracy. A platinum Pt100 or a thermo-couple thermometer can be used to measure the air temperature as well as the soil temperature.

Choosing the flux measurement unit

The first measurements made, 10 years ago, with the accumulation chamber was expressed in cm/sec which is a speed, the speed of carbon dioxide flowing out from the soil. During the last ten years several units have been used by volcanologist and by geochemistry researchers. The most common unit is grams/squaremeter per day, but using the same instrument for two gas species to express the flux using this unit means to have two different conversion factors. Actually we use the unit **moles/squaremeter per day** that has two advantages: A single conversion factor for every gas specie and an easy conversion of the flux in grams/sm per day simply multiplying the result expressed in moles/sm per day for the molecular weight of the target gas.

From the [tools][settings] menu you can set the accumulation chamber factor in the "A.c.K." field.

If this factor is set to 1 the instrument will give you results expressed in ppm/sec, that's simply the slope of the curve in the selected interval.

If you set the A.c.K to a value different from 1 the instrument will give you the results expressed in moles per square meter per day.

Please see next page.

Quantifying the flux

Method 1: Measuring the slope

Set the Accumulation Chamber factor to 1 in order to have the flux measurement expressed in the slope unit "ppm/sec" and translate it in the desired unit with a post processing.
Using this method you can focus only on the accumulation chamber interfacing with the soil, the flux curve shape and the other aspects of the measurement, putting off choosing the correct accumulation chamber factor.

Method 2: Measuring the flux directly in moles/sm/day.

To get the results directly in moles/sm/day you have to set the Accumulation Chamber factor to the correct value, taking it from the tables.
For each measurement, if there are variations in the air temperature, or of the barometric pressure, or if you changed the accumulation chamber you have to select the [tools][settings] menu and put the correct accumulation chamber factor in the "A.c.K." field. This operation can be "critical". In any case on the saved files you'll find the results of flux evaluation expressed in both units , the raw ppm/sec and the moles/sm/day computed with the A.c.K. you set.

The accumulation chamber factors

Here following the formula used to compute the A.c.K.:

$$K = \frac{86400 \cdot P}{10^6 \cdot R \cdot T_k} \cdot \frac{V}{A}$$

Where

- **P** is the barometric pressure expressed in mBar (HPa)
- **R** is the gas constant 0.08314510 bar L K^{-1} mol^{-1}
- **T_k** is the air temperature expressed in Kelvin degree
- **V** is the chamber net volume in cubic meters
- **A** is the chamber inlet net area in square meters.

The dimensions of the A.c.K. are

$$K = \frac{moles \cdot meter^{-2} \cdot day^{-1}}{ppm \cdot sec^{-1}}$$

In the table the conversion factors vs temperaure and barometric pressure for the Accumulation Chamber Type A and B are reported.

An example:

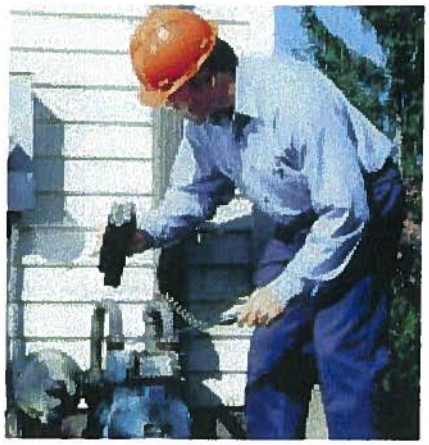
You're using the accumulation chamber B, the slope of the flux curve is 2.5 ppm/sec, the barometric pressure is 1008 mBar (HPa) and the air temperature is 22 °C.
From the table B get the value that correspond to the barometric pressure and temperature. In this case I get the value computed for 25°C and 1013 mBar : 0.696.

Then the flux is: 2.5 x 0.696= 1.74 moles per square meter per day.

Gasport® Gas Tester

MSA

The Gasport Gas Tester is designed for gas utility workers to detect methane and certain toxic gases. It is a reliable, simple, versatile tool to help your service technicians get the job done quickly! With multiple ranges and sensing capabilities built into one rugged housing, the Gasport Tester simplifies your work by reducing the number of meters you have to carry on the job.



Applications

The Gasport Tester's poison-tolerant methane sensor provides three measurement ranges for your daily service needs:

- Open air, safety sampling
- Small, in-home leak detection
- Street/outdoor service line leak detection



Features and Benefits

- **Proven in field use–rugged and reliable**
  Less costly to maintain, less time in repair
- **Multiple functions in one instrument**
  No need to buy, carry & maintain multiple instruments
- **New, poison-tolerant combustible gas sensor**
  Reduces meter ownership costs
- **User-selectable, "silent" operation mode**
  Reduces customer disturbances and worries
- **Fast warm up time**
  Fastest warm up time in industry saves time
- **Can monitor up to four gases at a time**
  Fewer instruments to carry
- **Show all gas concentrations simultaneously**
  Eliminates guesswork on what reading is displayed
- **Autoranging methane sensor**
  Automatically switches between 0-5% and 5-100% methane ranges
- **Gas readings recorded for later retrieval**
  Can double check readings after job is done
- **Simple manual or automated calibration options**
  Reduces training time and helps ensure accuracy
- **Intrinsically safe**
  Meets safety standards for work in hazardous areas
- **Lifetime warranty on case and electronics**
  Reduced maintenance and lifetime costs

Specifications

Gas	Range	Resolution
Methane	0–5000 ppm	50 ppm
Methane	0–100% LEL or 0–5% CH_4	1 % LEL or 0.1% CH_4
Methane	5–100% CH_4	1% CH_4
Oxygen	0–25%	0.1%
Carbon Monoxide	0–1000 ppm	1 ppm
Hydrogen Sulfide	0–100 ppm	1 ppm

Battery types: NiCd and Alkaline
Case material: Impact resistant, stainless-steel-fiber-filled polycarbonate
Operating temperature: normal -10 to 40°C; extended -20 to 50°C
Operating humidity: Continuous: 15-95% RH, non-condensing
Intermittent duty: 5-95% RH, non condensing
Warm up time: Less than 20 seconds to initial readings
Datalog capacity: 12 hours
Input: 3 clearly marked, metal domed keys
Warranty: Case and Electronics: Lifetime
Sensors and consumable parts: 1 year

The answer for gas utilities' gas detection needs

Gasport® Gas Tester

Ordering Information

Battery Chargers

Part No.	Description
494716	Omega 120 VAC 50/60Hz
495965	Omega 220 VAC 50/60Hz
801759	Omega 110/220 VAC, Five Unit, 50/60Hz
800525	Omega 8 - 24VDC for vehicle use

Battery Packs

Part No.	Description
496990	Standard NiCd Rechargeable
800526	Alkaline, Type C
711041	Alkaline, with Thumbscrews
800527	Heavy Duty NiCd Rechargeable

Sensors

Part No.	Description
813693	Combustible Gas
480566	O_2
812389	CO
812390	H_2S

Protective Boots

Part No.	Description
804955	Black, for NiCd Battery Packs
802806	Orange, for NiCd Battery Packs
806751	Black, for Alkaline Battery Packs
806750	Orange, for Alkaline Battery Packs
806749	Black, for HD NiCd Battery Packs
806748	Orange, for HD NiCd Battery Packs
812833	Yellow Soft Carrying Case with Harness
711022	Black padded Vinyl Carrying Case with Harness

Sampling Equipment

Part No.	Description
800332	Probe - 1 ft., plastic
800333	Probe - 3 ft., plastic
803561	Probe - 3 ft., plastic (holes 2" from end) (bar hole probe)
803962	Probe - 3 ft., plastic (holes 2" from handle) (solid probe)
803848	Probe - Hot Gas Sampler
710465	Sampling Line - 5 ft., coiled
497333	Sampling Line - 10 ft.
497334	Sampling Line - 15 ft.
497335	Sampling Line - 25 ft.

Sampling Accessories

Part No.	Description
801582	Replacement Filter, Probe, pkg. of 10
801291	External Filter Holder
014318	Charcoal Filter
711039	Line Scrubber Filter Holder
711059	Line Scrubber Replacement Cartridges, Box of 12
808935	Dust Filter, Pump Module
802897	Water Trap (Teflon) Filter, Pump Module

Calibration Check Equipment

Part No.	Description
477149	Calibration Kit Model RP with 0.25 lpm Regulator
491041	Calibration Gas - methane, 2.5%
473180	Calibration Gas - 300 ppm CO
813718	Calibration Gas - methane, 2.5% oxygen, 15%60 ppm CO
813720	Calibration Gas - methane, 2.5% oxygen, 15%300 ppm CO 10 ppm H_2S
710288	Gasmiser™ Demand Regulator 0 - 3.0 lpm

Accessories

Part No.	Description
804679	Data Docking Module Kit. Includes the Data Docking Module, MSA Link Software and Instruction Manual

Approvals

The Gasport Gas Tester has been designed to meet intrinsic safety testing requirements in certain hazardous atmospheres.

The Gasport Gas Tester is approved by MET (an OSHA Nationally Recognized Testing Laboratory [NRTL]) for use in Class I, Division I, Groups A, B, C, D; Class II, Division I, Groups E, F, G; and Class III Hazardous locations. Gaspor tGas Testers sold in Canada are approved by CSA for use in Class I, Division I, Groups A, B, C, and D locations.

Contact MSA at 1-800-MSA-2222 for more information or with questions regarding the status of approvals.

Gasport Gas Tester Kits

	LEL Display	O_2	CO	H_2S	Alarms Always	Alarms Optional	Leak Detect Page	Peak	Alkaline Battery	NiCd Battery	5ft Coiled Line	1ft Probe	Part No.
4-Gas, Selectable, NiCd	•	•	•	•		•	•	•		•	•	•	711489
4-Gas, Selectable, Alkaline	•	•	•	•		•	•	•	•		•	•	711490
3-Gas, Selectable, NiCd	•	•	•			•	•	•		•	•	•	711493
3-Gas, Selectable, Alkaline	•	•	•			•	•	•	•		•	•	711494
2-Gas, Selectable, NiCd	•		•			•	•	•		•	•	•	711495
2-Gas, Selectable, Alkaline	•		•			•	•	•	•		•	•	711496
4-Gas, Alarms On, NiCd	•	•	•	•	•		•	•		•	•	•	711491
4-Gas, Alarms On, Alkaline	•	•	•	•	•		•	•	•		•	•	711492

Assemble-to-Order (ATO) System: You Make the Choices

The ATO System makes it easy to "custom order" the Gasport Gas Tester, configured exactly the way you want it. You can choose from an extensive line of base instrument components and accessories. To obtain a copy of the "ATO System and Price Information for the Gasport Gas Tester," call toll-free 1-800-MSA-2222, and request Bulletin 0804-28. **To obtain a copy of the ATO via FAX, call MSA QuickLit Information Service at 1-800-672-9010. At the prompt, request QuickLit Document #2345 (ATO for Gasport Gas Tester).**

Note: This Data Sheet contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.

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MSA

QRAE II User's Guide



Covers QRAE II Diffusion & Pump Models with Firmware Version 3.60 or higher

RAE SYSTEMS by Honeywell

P/N 020-4100-000 Rev. F
May 2013

1.2 Specifications

QRAE II Specifications

Configuration	Pumped or diffusion 4-gas with datalogging			
Dimensions:	Diffusion: 5" L x 2.8" W x 1.5" H (125mm x 72mm x 38mm)			
	Pump: 5" L x 2.8" W x 1.5" H (125mm x 72mm x 38mm)			
Weight:	Diffusion: 9 oz (250g)			
	Pump: 12 oz (350 g) with battery			
Detectors:	2 Electrochemical toxic gases sensors			
	1 Solid Polymer Electrolyte oxygen sensor			
	1 Catalytic sensor for combustible level organics			
Battery:	Rechargeable 3.7V Li-ion battery pack (6-hour charge time) or a 3 AA alkaline battery adapter.			
Operating Time:	Up to 10 hours continuous w/ Li-ion battery pack			
Display:	4-line graphical LCD with automatic LED backlight for dim lighting conditions			
Keypad:	2 programming/operation keys			
Direct Readout:	Up to 4 simultaneous values with sensor name, battery charge, high and low values for all sensors, elapsed time, and datalogging on/off state			
Sampling Method:	Diffusion or pumped (depending on model)			
Range, Resolution & Response Time:	LEL	0-100%	1 %	15 sec
	O_2	0-30%	0.1 %	20 sec
	CO	0-1000 ppm	1 ppm	25 sec
	H_2S	0-100 ppm	0.1 ppm	30 sec
Alarm Settings:	Separate limits for TWA, STEL, High, Low			
Alarms:	$\geq$95 dB @ 30 cm buzzer, flashing red LEDs, vibration alarm, LCD to indicate exceeded preset limits, low battery, or sensor failure			
Calibration:	Two-point field calibration for fresh air and standard reference gas			
Protection:	Password protected calibration settings, alarm limits, and data			
Intrinsic Safety:	CSA Class I, Division 1, Group A, B, C, D, T4 (US & Canada), SIRA ATEX II 2G Ex ia d II C T4 Gb (Europe), IECEx Ex d ia II C T4 Gb			
EM Immunity:	No effect when exposed to 0.43mW/cm^2 RF interference (5-watt transmitter at 12"/10cm).			
Data Storage:	64,000 readings (64 hours, 4 channels at 1 minute interval) in non-volatile memory.			
Datalog Interval:	Programmable 1- to 3,600-second intervals			
Alarm Settings:	Separate alarm limit settings for TWA, STEL, Low and High alarm.			
Communication:	Download data to PC and upload monitor setup from PC through an RS-232 link to PC serial port			
Temperature:	-20° C to 50° C (-4° F to 122° F)			
Humidity:	0% to 95% relative humidity (non-condensing)			

Caution:

Refer to RAE Systems Technical Note TN-114 for sensor cross-sensitivities.
Refer to RAE Systems Technical Note TN-144 for LEL sensor poisoning.

GeoXT

The total GPS platform for all your GIS field requirements

The GeoXT™ handheld, from the GeoExplorer® series, is an essential tool for maintaining your GIS. It's all you need to collect location data, keep existing GIS information up to date, and even mobilize your GIS.

The unique GeoExplorer series combines a Trimble® GPS receiver with a rugged field-ready handheld computer running the Microsoft® Windows Mobile™ 2003 software for Pocket PCs. Plus there's an internal battery that easily lasts for a whole day of GPS operation. The result is tightly integrated, tough, and incredibly powerful.

High-accuracy integrated GPS

The GeoXT is optimized to provide the reliable, high-accuracy location data you need. Advanced features like EVEREST™ multipath rejection technology let you work under canopy, in urban canyons, or anywhere where accuracy is crucial.

Need submeter accuracy in real-time? Use corrections from a satellite-based augmentation system (SBAS) like WAAS[1] or EGNOS[2]. Want to get that extra edge in precision? Collect data with Trimble's TerraSync™ or GPScorrect™ software, and then postprocess back in the office.

Because the GPS receiver and antenna are built into the handheld computer, it's never been easier to use GPS in your application. The system is more than just cable-free: it's a totally integrated solution.

Optimized productivity

Take advantage of the power and flexibility of Windows Mobile software for Pocket PCs by choosing from the most comprehensive range of field software available—whether off-the-shelf or purpose-built. Whatever your needs, Windows Mobile lets you choose a software solution to match your workflow.

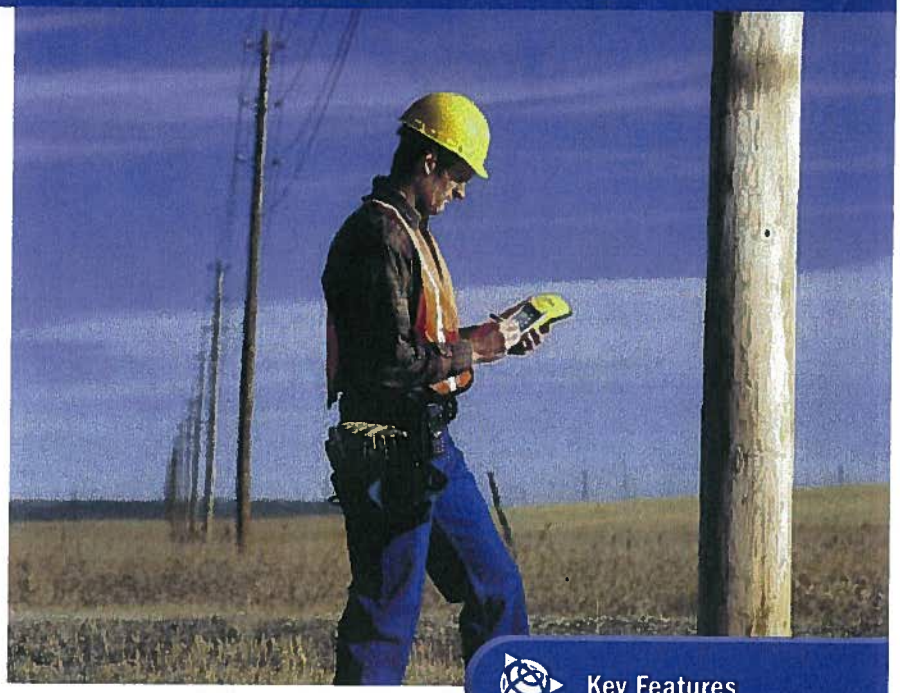
Windows Mobile includes familiar Microsoft productivity tools, including Pocket Word, Pocket Excel, and Pocket Outlook®. Pocket Outlook lets you synchronize e-mails, contacts, appointments, and data with your office computer, so whether you're in the office or in the field, you're always up to date.

Go wireless with integrated Bluetooth®* for connection to other Bluetooth-enabled devices, including cell phones and PCs. You also have the option to use the USB support module to connect to a desktop computer, or use the optional serial clip for cabled connections in the field.

Receive a free copy of Microsoft Streets & Trips** 2004 software with your GeoXT handheld, and take advantage of comprehensive map and travel information for easy navigation and route planning.

All the memory you need

There's plenty of storage space in the GeoXT for all your GIS data. The fast processor and large memory mean even big graphics files load quickly—and they're crisp and crystal-clear on the advanced TFT outdoor color screen.



Key Features

- High-performance submeter GPS with integrated WAAS/EGNOS
- Windows Mobile 2003 software for Pocket PCs, allowing maximum flexibility in software choice
- Rugged handheld with all-day battery
- Advanced color TFT display with backlight
- Integrated Bluetooth for wireless connectivity

From data collection to data maintenance, to mobile GIS and beyond ... the GeoXT is the handheld of choice.

* *Bluetooth type approvals are country specific. GeoExplorer series handhelds are approved for use with Bluetooth in the USA. For a complete list of other countries with Bluetooth approval please refer to: www.trimble.com/geo_bluetooth.html.*

** *Microsoft Streets & Trips 2004 software available in US/Canada; Microsoft AutoRoute® 2004 in Europe.*

Trimble.

GeoXT

The total GPS platform for all your GIS field requirements

Standard features

System
- Microsoft Windows Mobile 2003 software for Pocket PCs
- 206 MHz Intel StrongARM processor
- 512 MB non-volatile Flash data storage
- Outdoor color display
- Ergonomic cable-free handheld
- Rugged and water-resistant design
- All-day internally rechargeable battery
- Bluetooth wireless

GPS
- Submeter accuracy
- Integrated WAAS[1]/EGNOS[2]
- RTCM real-time correction support
- NMEA and TSIP protocol support
- EVEREST multipath rejection technology

Software
- GPS Controller for control of integrated GPS and in-field mission planning
- GPS Connector for connecting integrated GPS to external ports
- File Explorer, Internet Explorer, Pocket Outlook (Inbox, Calendar, Contacts, Tasks, Notes), Sprite Pocket Backup, Transcriber, Pocket Word, Pocket Excel, Pictures, Windows® Media Player, Bluetooth File Transfer, Calculator, ActiveSync®
- Microsoft Streets & Trips/AutoRoute 2004 software

Accessories
- Support module with power supply and USB data cable
- Getting Started Guide
- Companion CD includes Outlook 2002 and ActiveSync 3.7.1
- Hand strap
- Pouch
- Stylus

Optional Features

Software
- TerraSync
- GPScorrect for ESRI® ArcPad®
- GPS Pathfinder® Tools Software Development Kit (SDK)
- GPS Pathfinder Office
- Trimble GPS Analyst extension for ArcGIS®

Accessories
- Serial clip for field data and power input
- Vehicle power adaptor[3]
- Portable power kit[3]
- Hurricane antenna
- External patch antenna
- Pole-mountable ground plane
- Baseball cap with antenna sleeve
- Beacon-on-a-Belt (BoB™) differential correction receiver[3]
- Hard carry case
- Null modem cable[3]
- Backpack kit

Specifications subject to change without notice.

Technical specifications

Physical

Size	21.5 cm × 9.9 cm × 7.7 cm (8.5 in × 3.9 in × 3.0 in)
Weight	0.72 kg (1.59 lb) with battery
Processor	206 MHz Intel StrongARM SA-1110
Memory	64 MB RAM and 512 MB internal Flash disk
Power	
Low (no GPS)	0.6 Watts
Normal (with GPS)	1.4 Watts
High (with GPS, backlight, and Bluetooth)	2.5 Watts
Battery	Internal lithium-ion, rapidly rechargeable in unit, 21 Watt-hours

Environmental

Temperature	
Operating	-10 °C to +50 °C (14 °F to 122 °F)
Storage	-20 °C to +70 °C (-4 °F to 158 °F)
Humidity	99% non-condensing
Casing	Wind-driven rain and dust-resistant per IP 54 standard Slip-resistant grip, shock- and vibration-resistant

Input/output

Communications	Bluetooth for wireless connectivity USB via support module, serial via optional DE9 serial clip adaptor
Bluetooth	
Certification	Bluetooth type approvals are country specific. GeoExplorer series handhelds are approved for use with Bluetooth in the USA. For a complete list of other countries with Bluetooth approval please refer to www.trimble.com/geoxt_ts.asp.
Profiles	
Both client and host support	Serial Port, File Transfer (using OBEX)
Client support only	Dial-Up Networking, Lan Access
Host support only	Basic Imaging, Object Push
Display	Advanced outdoor TFT, 240 × 320 pixel, 65,536 colors, with backlight
Audio	Microphone and half duplex speaker, record and playback utilities
Interface	Anti-glare coated touch screen, Soft Input Panel (SIP) virtual keyboard 2 hardware control keys plus 4 programmable permanent touch buttons Handwriting recognition software, Audio system events, warnings, and notifications

GPS

Channels	12
Integrated real-time	WAAS[1] or EGNOS[2]
Update rate	1 Hz
Time to first fix	30 sec (typical)
Protocols	NMEA (GGA, VTG, GLL, GSA, ZDA, GSV, RMC), TSIP (Trimble Standard Interface Protocol)

Accuracy (RMS)[4] after differential correction

Postprocessed[5]	Submeter
Carrier postprocessed[6]	
With 10 minutes tracking satellites	30 cm
Real-time	Submeter

1 *WAAS (Wide Area Augmentation System). Available in North America only. For more information, see http://gps.faa.gov/programs/index.htm.*
2 *EGNOS (European Geostationary Navigation Overlay System). Available in Europe only. For more information, see http://www.esa.int/export/esaSA/navigation.html.*
3 *Serial clip also required.*
4 *Horizontal accuracy. Requires data to be collected with minimum of 4 satellites, maximum PDOP of 6, minimum SNR of 4, minimum elevation of 15 degrees, and reasonable multipath conditions. Ionospheric conditions, multipath signals or obstruction of the sky by buildings or heavy tree canopy may degrade precision by interfering with signal reception. Accuracy varies with proximity to base station by +1 ppm for postprocessing and real-time, and by +5 ppm for carrier postprocessing.*
5 *Postprocessing with GPS Pathfinder Office software or GPS Analyst extension for ArcGIS.*
6 *Requires collection of carrier data. (Only available with the GPS Pathfinder Office software).*

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In-Situ Inc.

Innovations in Water Monitoring

Operator's Manual

SMARTROLL™ MP Handheld Instrument



Information subject to change without notice. In-Situ, In-Situ logo, Baro Merge, BaroTROLL, HERMIT, iSitu, Pocket-Situ, RDO, RuggedCable, RuggedReader, TROLL, and Win-Situ are trademarks or registered trademarks of In-Situ Inc.© 2013. All rights reserved.

0099172 | Rev. 003 | 11/2013

General Specifications

Operating temperature	-5 to 50° C (23 to 122° F)
Storage temperature	-40 to 65° C (-40 to 149° F)
Dimensions	4.7 cm (1.85 in.) OD x 26.9 cm (10.6 in.) with restrictor installed (does not include connector)
Weight	694 g (1.53 lbs)
Wetted materials	PVC, 316 stainless steel, titanium, Acetal, Viton®, PC/PMMA
Environmental rating	IP68 with all sensors and cable attached. IP67 with sensors removed and cable detached.
Reading rate	1 reading every 10 seconds; data logged to smartphone.
Power	6 VDC from battery pack
Interface	iPhone® 4S, iPod touch® 5, or iPad® 3, 4, mini or later; iOS 6.0 or later. Bluetooth® Low Energy (BLE) radio. Purchase the iSitu™ App at the Apple® App Store.
Cable	Black polyurethane. Standard lengths available: 1.5 m, 4.6 m, 9.1 m, 30.5 m (5 ft, 15 ft, 30 ft, 100 ft)
Warranty	2-years
Notes	Specifications are subject to change without notice. Apple, iPhone, iPod touch, and iPad are trademarks of Apple Inc. registered in U.S. and other countries. Bluetooth is a registered trademark of Bluetooth SIG, Inc. Viton is a registered trademark of DuPont Performance Elastomers L.L.C.

Sensor Specifications

Level, Depth, Pressure Sensor Specifications

Accuracy	Typical ±0.1% FS @ 15° C; ±0.3% FS max. from 0 to 50° C
Range	76 m (250 ft); absolute (non-vented)
Resolution	±0.01% FS or better
Sensor Type	Fixed
Response Time	Instantaneous in thermal equilibrium
Units of Measure	Pressure: psi, kPa, bar, mbar, mmHg, inHg Level: mm, cm, m, in, ft
Methodology	Piezoresistive; ceramic

Barometric Pressure Sensor Specifications (Battery Pack)

Accuracy	±3 mbar max.
Range	300 to 1100 mbar
Resolution	0.01 mbar
Sensor Type	Fixed
Response Time	Instantaneous in thermal equilibrium
Units of Measure	psi, kPa, bar, mbar, mmHg, inHg, Torr, atm
Methodology	Piezoresistive pressure sensor

Conductivity Sensor Specifications

Accuracy	Typical ±0.5% + 1 µS/cm; ±1% max.
Range	5 to 100,000 µS/cm
Resolution	0.1 µS/cm
Sensor Type	Fixed
Response Time	Instantaneous in thermal equilibrium
Units of Measure	Actual conductivity (µS/cm, mS/cm) Specific conductivity (µS/cm, mS/cm) Salinity (PSU) Total dissolved solids (ppt, ppm) Resistivity (Ohms-cm) Density (g/cm3)
Methodology	Std. Methods 2510 EPA 120.1

Dissolved Oxygen RDO Fast Cap (Optical Sensor) Specifications

Accuracy	±0.1 mg/L; ±0.2 mg/L; ±10% of reading
Range	0 to 8 mg/L; 8 to 20 mg/L; 20 to 50 mg/L; Full operating range: 0 to 50 mg/L
Resolution	0.01 mg/L
Sensor Type	Fixed with replaceable RDO Fast Cap (life: 1 year typical)
Response Time	T90: <30 sec. T95: <45 sec.
Units of Measure	mg/L, % saturation, ppm
Methodology	EPA-approved In-Situ Methods 1002-8-2009 1003-8-2009 1004-8-2009

ORP Sensor Specifications

Accuracy	±5.0 mV
Range	±1400 mV
Resolution	0.1 mV
Sensor Type	Replaceable pH/ORP combo sensor
Response Time	<15 sec.
Units of Measure	mV
Methodology	Std. Methods 2580

pH Sensor Specifications

Accuracy	±0.1 pH unit from 0 to 12 pH units
Range	0 to 14 pH units
Resolution	0.01 pH unit
Sensor Type	Replaceable pH/ORP combo sensor
Response Time	<15 sec., pH 7 to pH 4
Units of Measure	pH units
Methodology	Std. Methods 4500-H+ EPA 150.2

Air Temperature Sensor Specifications (Battery Pack)

Accuracy	±2° C
Range	-20 to 70° C (-4 to 158° F)
Resolution	0.1° C
Sensor Type	Fixed
Response Time	<30 sec.
Units of Measure	Celsius, Fahrenheit
Methodology	EPA 170.1

Sample Temperature Sensor Specifications (Probe)

Accuracy	±0.1° C
Range	-5 to 50° C (23 to 122° F)
Resolution	0.01° C or better
Sensor Type	Fixed
Response Time	<30 sec.
Units of Measure	Celsius, Fahrenheit
Methodology	EPA 170.1

Battery Pack Specifications

Battery Type	**Four 1.5V AA lithium or alkaline batteries**
Operating temperature	-5 to 50° C (23 to 122° F); 95% relative humidity, non-condensing
Storage temperature	-40 to 65° C (-40 to 149° F); 95% relative humidity, non-condensing
Dimensions & weight	9.5 x 7.6 x 5.7 cm (3.75 x 3 x 2.25 in.) (H x D x W). Weight: 165 g (5.8 oz)
Materials	PC/ABS
Environmental rating	IP67 with battery cover closed
Output options	BLE radio
Battery type	4 AA Lithium or Alkaline
Warranty on battery pack	1-year
Warranty on cable	1-year

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061219_01	BC2CJ	1210001.457785	2302853.19168	12-06-2019 10:00:55	0.000000	0.000000	0.000000	802.7	26.8	-3.529	-0.007	-0.113
BasinCreek061219_02	BC2CJ	1210023.686308	2302981.890894	12-06-2019 10:04:22	0.000000	0.000000	0.000000	802.7	28.1	0	-0.003	-0.116
BasinCreek061219_03	BC2CJ	1210014.696022	2303160.124032	12-06-2019 10:07:39	0.000000	0.000000	0.000000	803.1	29.1	0	-0.004	-0.075
BasinCreek061219_04	BC2CJ	1209804.662909	2303315.604699	12-06-2019 10:11:48	0.000000	0.000000	0.000000	803.8	30.3	0	-0.001	-0.018
BasinCreek061219_05	BC2CJ	1210007.123148	2303362.213328	12-06-2019 10:14:52	0.000000	0.000000	0.000000	803.7	31.1	0	-0.004	-0.009
BasinCreek061219_06	BC2CJ	1210016.838211	2303571.790696	12-06-2019 10:18:00	0.000000	0.000000	0.000000	804.3	31.8	0	-0.004	-0.112
BasinCreek061219_07	BC2CJ	1209799.323173	2303512.62037	12-06-2019 10:22:47	0.000000	0.000000	0.000000	804.1	32.7	-1.76	-0.004	-0.117
BasinCreek061219_08	BC2CJ	1209749.985834	2303499.25309	12-06-2019 10:28:27	0.000000	0.000000	0.000000	803.3	33.7	-0.001	-0.002	-0.053
BasinCreek061219_09	BC2CJ	1209757.375041	2303773.06204	12-06-2019 10:35:56	0.000000	0.000000	0.000000	803.0	34.6	0	-0.004	-0.381
BasinCreek061219_10	BC2CJ	1209804.616046	2303954.749375	12-06-2019 10:42:56	0.000000	0.000000	0.000000	803.0	35.5	0	-0.004	-0.023
BasinCreek061219_11	BC2CJ	1209968.315458	2303954.465867	12-06-2019 10:45:47	0.000000	0.000000	0.000000	804.1	35.8	0	-0.005	-0.027
BasinCreek061219_12	BC2CJ	1210001.472984	2303837.740617	12-06-2019 10:48:41	0.000000	0.000000	0.000000	803.8	36.2	0	-0.004	-0.09
BasinCreek061219_13	BC2CJ	1210148.612491	2303796.935593	12-06-2019 10:52:05	0.000000	0.000000	0.000000	803.8	36.7	0	-0.001	-0.049
BasinCreek061219_14	BC2CJ	1210181.956124	2303550.880536	12-06-2019 10:55:33	0.000000	0.000000	0.000000	802.5	37.3	0	-0.005	-0.035
BasinCreek061219_15	BC2CJ	1210147.472511	2303353.949605	12-06-2019 10:58:42	0.000000	0.000000	0.000000	802.3	37.9	0	-0.002	-0.042
BasinCreek061219_16	BC2CJ	1210145.427476	2304007.216105	12-06-2019 11:03:46	0.000000	0.000000	0.000000	802.3	38.8	-0.638	-0.006	-0.073
BasinCreek061219_17	BC2CJ	1209938.179998	2304183.136525	12-06-2019 11:07:50	0.000000	0.000000	0.000000	802.5	39.3	0	-0.009	-0.018
BasinCreek061219_18	BC2CJ	1209793.566068	2304172.742545	12-06-2019 11:11:48	0.000000	0.000000	0.000000	802.9	39.6	0	-0.003	-0.094
BasinCreek061219_19	BC2CJ	1209610.358706	2304190.689215	12-06-2019 11:14:56	0.000000	0.000000	0.000000	803.7	39.8	0	-0.01	-0.041
BasinCreek061219_20	BC2CJ	1209570.728175	2304331.70157	12-06-2019 11:17:55	0.000000	0.000000	0.000000	803.9	40.0	-0.031	-0.017	-0.395
BasinCreek061219_21	BC2CJ	1209785.723203	2304408.229841	12-06-2019 11:22:27	0.000000	0.000000	0.000000	803.9	40.4	-1.234	-0.008	-0.005
BasinCreek061219_22	BC2CJ	1209766.561243	2304550.700797	12-06-2019 11:25:06	0.000000	0.000000	0.000000	802.9	40.7	-0.951	-0.007	-0.022
BasinCreek061219_23	BC2CJ	1209967.579308	2304589.879436	12-06-2019 11:28:21	0.000000	0.000000	0.000000	802.7	41.0	-0.001	-0.004	-0.076
BasinCreek061219_24	BC2CJ	1209957.208446	2304371.895882	12-06-2019 11:31:48	0.000000	0.000000	0.000000	802.5	41.3	-0.034	-0.009	-0.237
BasinCreek061219_25	BC2CJ	1210127.892392	2304407.982591	12-06-2019 11:35:05	0.000000	0.000000	0.000000	802.3	41.5	0	-0.015	-0.014
BasinCreek061219_26	BC2CJ	1210169.532187	2304356.574245	12-06-2019 11:39:01	0.000000	0.000000	0.000000	802.2	41.8	0	-0.007	-0.275

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061219_27	BC2CJ	1210187.759179	2304181.987187	12-06-2019 11:43:03	0.000000	0.000000	0.000000	802.3	42.1	-0.049	-0.011	-0.026
BasinCreek061219_28	BC2CJ	1210317.221433	2304143.101253	12-06-2019 11:47:19	0.000000	0.000000	0.000000	801.8	42.4	-0.096	-0.009	-0.209
BasinCreek061219_29	BC2CJ	1210505.502159	2304188.258517	12-06-2019 11:51:14	0.000000	0.000000	0.000000	800.4	42.7	0	-0.009	-0.017
BasinCreek061219_30	BC2CJ	1210380.236008	2304034.43517	12-06-2019 11:55:33	0.000000	0.000000	0.000000	800.4	42.8	0	-0.009	-0.407
BasinCreek061219_31	BC2CJ	1210500.928806	2303959.794373	12-06-2019 11:59:32	0.000000	0.000000	0.000000	800.0	42.9	0	-0.011	-0.314
BasinCreek061219_32	BC2CJ	1210709.10694	2304132.986712	12-06-2019 12:05:32	0.000000	0.000000	0.000000	799.1	43.1	-0.018	-0.005	-0.054
BasinCreek061219_33	BC2CJ	1210546.308093	2303861.297691	12-06-2019 12:12:16	0.000000	0.000000	0.000000	798.5	43.5	0	-0.005	-0.03
BasinCreek061219_34	BC2CJ	1210691.42728	2303826.363947	12-06-2019 12:16:35	0.000000	0.001648	0.001648	797.7	43.7	0	0.007	0.007
BasinCreek061219_35	BC2CJ	1210755.065499	2303947.697407	12-06-2019 12:21:34	0.000000	0.000000	0.000000	796.4	44.0	-0.001	-0.012	-0.023
BasinCreek061219_36	BC2CJ	1210863.940196	2303600.917209	12-06-2019 12:29:32	0.000000	0.000000	0.001407	796.3	44.5	-0.015	-0.01	0.006
BasinCreek061219_37	BC2CJ	1211005.321864	2303437.246207	12-06-2019 12:36:47	0.000000	0.001638	0.052655	795.8	44.9	-0.02	0.007	0.225
BasinCreek061219_38	BC2CJ	1211019.181639	2303596.929014	12-06-2019 12:42:34	0.000000	0.001399	0.000000	793.6	45.2	-0.002	0.006	-0.001
BasinCreek061219_39	BC2CJ	1210982.790952	2303699.942401	12-06-2019 12:48:46	0.000000	0.003260	0.000000	792.9	45.3	-0.016	0.014	-0.007
BasinCreek061219_40	BC2CJ	1211164.785923	2303683.803915	12-06-2019 12:54:33	0.000000	0.001164	0.000000	792.9	45.3	0	0.005	-0.259
BasinCreek061219_41	BC2CJ	1211217.000828	2303547.013695	12-06-2019 13:01:33	0.000000	0.002096	0.002562	793.2	45.4	0	0.009	0.011
BasinCreek061219_42	BC2CJ	1211191.12532	2303446.568678	12-06-2019 13:05:12	0.000000	0.002091	0.020209	791.4	45.5	-0.289	0.009	0.087
BasinCreek061219_43	BC2CJ	1211329.022306	2303389.469121	12-06-2019 13:10:04	0.000000	0.003017	0.007890	790.9	45.6	-0.09	0.013	0.034
BasinCreek061219_44	BC2CJ	1211396.713346	2303482.064969	12-06-2019 13:15:00	0.000000	0.002547	0.000000	789.5	45.8	-0.054	0.011	-0.008
BasinCreek061219_45	BC2CJ	1211560.679584	2303323.886926	12-06-2019 13:20:32	0.000000	0.003941	0.069084	790.8	45.9	-0.043	0.017	0.298
BasinCreek061219_46	BC2CJ	1211609.847522	2303504.791076	12-06-2019 13:25:33	0.000000	0.002543	0.036291	788.5	45.9	-0.02	0.011	0.157
BasinCreek061219_47	BC2CJ	1211605.16136	2303719.969246	12-06-2019 13:49:23	0.000000	0.003722	0.166797	794.8	46.4	0	0.016	0.717
BasinCreek061219_48	BC2CJ	1211435.184123	2303798.132128	12-06-2019 14:01:26	0.000000	0.004418	0.007441	794.7	46.5	-0.574	0.019	0.032
BasinCreek061219_49	BC2CJ	1211373.409795	2303801.041683	12-06-2019 14:07:40	0.000000	0.005356	0.153934	795.4	46.3	-0.023	0.023	0.661
BasinCreek061219_50	BC2CJ	1211222.228002	2303989.548274	12-06-2019 14:20:25	0.000000	0.003499	0.002099	795.4	45.8	-0.675	0.015	0.009
BasinCreek061219_51	BC2CJ	1211216.53462	2304135.343387	12-06-2019 14:26:43	0.003508	0.003508	0.021749	797.5	45.8	0.015	0.015	0.093
BasinCreek061219_52	BC2CJ	1211207.153719	2304338.56532	12-06-2019 14:34:30	0.000000	0.002338	0.030162	797.6	45.9	0	0.01	0.129

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061219_53	BC2CJ	1210930.081217	2304361.488389	12-06-2019 14:41:06	0.000000	0.003974	0.200799	797.9	46.1	-0.117	0.017	0.859
BasinCreek061219_54	BC2CJ	1210938.054561	2304148.595537	12-06-2019 14:56:37	0.000000	0.000000	0.143913	796.9	46.4	0	-0.008	0.617
BasinCreek061219_55	BC2CJ	1210941.292808	2304045.997934	12-06-2019 15:00:09	0.000000	0.003498	0.048970	796.7	46.4	0	0.015	0.21
BasinCreek061419_01	BC2CJ	1209399.830838	2302393.595488	14-06-2019 09:56:45	0.000000	0.000000	0.012226	793.6	30.4	-0.593	0	0.05
BasinCreek061419_02	BC2CJ	1209543.549476	2302354.002195	14-06-2019 09:59:16	0.000000	0.000000	0.009993	793.6	31.4	0	-0.001	0.041
BasinCreek061419_03	BC2CJ	1209278.653459	2302391.990965	14-06-2019 10:02:27	0.000000	0.000243	0.100946	793.6	32.0	0	0.001	0.415
BasinCreek061419_04	BC2CJ	1209230.630105	2302382.162854	14-06-2019 10:05:59	6.327593	0.000000	0.738697	793.3	32.5	26.066	0	3.043
BasinCreek061419_05	BC2CJ	1209154.631294	2302312.202804	14-06-2019 10:10:01	0.000000	0.000000	0.000000	792.8	33.1	0	0	-0.235
BasinCreek061419_06	BC2CJ	1209314.874995	2302178.212744	14-06-2019 10:15:19	0.000000	0.000724	0.234589	791.8	33.7	0	0.003	0.972
BasinCreek061419_07	BC2CJ	1209413.309029	2302166.30622	14-06-2019 10:19:55	0.000000	0.000000	0.087904	789.5	34.3	0	0	0.366
BasinCreek061419_08	BC2CJ	1209533.960579	2302120.615761	14-06-2019 10:23:49	0.000000	0.000000	0.066933	790.4	35.0	0	0	0.279
BasinCreek061419_09	BC2CJ	1209724.776921	2302187.091355	14-06-2019 10:27:08	0.000000	0.000000	0.012706	791.4	35.6	-0.107	0	0.053
BasinCreek061419_10	BC2CJ	1209575.056217	2302001.952179	14-06-2019 10:33:30	0.000000	0.000239	0.024129	791.7	36.8	-1.742	0.001	0.101
BasinCreek061419_11	BC2CJ	1209616.337839	2301952.666521	14-06-2019 10:37:34	0.000000	0.000476	0.014765	790.7	37.4	-5.131	0.002	0.062
BasinCreek061419_12	BC2CJ	1209627.757046	2301851.01186	14-06-2019 10:42:28	0.000000	0.000238	0.071737	791.0	38.3	-0.507	0.001	0.302
BasinCreek061419_13	BC2CJ	1209486.263721	2301914.52297	14-06-2019 10:54:50	3.481110	0.000709	1.583418	791.4	40.1	14.732	0.003	6.701
BasinCreek061419_14	BC2CJ	1209472.937177	2301920.032942	14-06-2019 10:57:00	0.000000	0.000000	0.608356	788.4	40.3	-10.247	0	2.586
BasinCreek061419_15	BC2CJ	1209440.695744	2301926.355829	14-06-2019 10:59:16	0.000000	0.000940	0.203728	788.0	40.5	-0.971	0.004	0.867
BasinCreek061419_16	BC2CJ	1209431.640842	2301954.937241	14-06-2019 11:01:28	0.000000	0.000000	0.164768	787.6	40.7	-1.684	0	0.702
BasinCreek061419_17	BC2CJ	1209423.817552	2302000.808408	14-06-2019 11:04:01	0.000000	0.001172	1.664650	787.5	41.0	-1.159	0.005	7.1
BasinCreek061419_18	BC2CJ	1209378.232324	2302007.794965	14-06-2019 11:07:12	2.164225	0.000468	1.444144	787.8	41.4	9.239	0.002	6.165
BasinCreek061419_19	BC2CJ	1209347.642131	2301996.551131	14-06-2019 11:10:18	0.000000	0.000468	0.507054	787.2	41.8	-0.226	0.002	2.169
BasinCreek061419_20	BC2CJ	1209357.070885	2301958.335025	14-06-2019 11:15:52	0.000000	0.000699	0.753867	786.7	42.5	0	0.003	3.234
BasinCreek061419_21	BC2CJ	1209381.734192	2301941.925059	14-06-2019 11:17:59	3208.643000	1.821162	26.414770	786.7	42.8	13777.79	7.82	113.424
BasinCreek061419_22	BC2CJ	1209356.838812	2301902.316359	14-06-2019 11:20:26	0.000000	0.000000	0.153471	786.5	43.2	-1.041	0	0.66
BasinCreek061419_23	BC2CJ	1209388.778655	2301903.108297	14-06-2019 11:25:31	2.171414	0.000000	0.224101	786.4	43.9	9.36	-0.057	0.966

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061419_24	BC2CJ	1209320.176595	2301838.989832	14-06-2019 11:31:14	0.842223	0.000000	1.189483	786.5	44.6	3.638	-0.003	5.138
BasinCreek061419_25	BC2CJ	1209408.135904	2301756.639713	14-06-2019 11:36:16	0.703247	0.000462	1.632596	785.6	45.0	3.045	0.002	7.069
BasinCreek061419_26	BC2CJ	1209436.111114	2301634.111552	14-06-2019 11:40:49	0.000000	0.000000	0.101087	787.6	45.3	-3.018	-0.002	0.437
BasinCreek061419_27	BC2CJ	1209371.46946	2301572.070162	14-06-2019 11:45:40	0.000000	0.001158	0.085725	789.1	45.4	-1.886	0.005	0.37
BasinCreek061419_28	BC2CJ	1209246.90588	2301547.730385	14-06-2019 11:50:36	67.310700	0.000925	4.158775	787.6	45.4	291.075	0.004	17.984
BasinCreek061419_29	BC2CJ	1209143.666397	2301443.656363	14-06-2019 11:55:12	0.000000	0.000923	0.235245	785.5	45.4	-1.867	0.004	1.02
BasinCreek061419_30	BC2CJ	1209125.755995	2301378.732196	14-06-2019 12:00:26	1.644653	0.001386	0.326991	786.5	45.4	7.122	0.006	1.416
BasinCreek061419_31	BC2CJ	1209169.461622	2301314.327363	14-06-2019 12:02:54	0.000000	0.000000	0.010864	787.5	45.5	-2.594	-0.008	0.047
BasinCreek061419_32	BC2CJ	1209097.93337	2301327.502715	14-06-2019 12:06:00	601.636400	0.000231	7.419481	788.3	45.5	2600.192	0.001	32.066
BasinCreek061419_33	BC2CJ	1209071.777103	2301320.139201	14-06-2019 12:08:19	252.156000	0.003007	4.464068	788.1	45.5	1090.061	0.013	19.298
BasinCreek061419_34	BC2CJ	1209027.203944	2301223.972338	14-06-2019 12:12:49	0.984366	0.001850	0.833833	787.8	45.5	4.257	0.008	3.606
BasinCreek061419_35	BC2CJ	1209005.239277	2301183.029118	14-06-2019 12:15:37	196.924000	0.008782	1.898167	787.4	45.5	852.052	0.038	8.213
BasinCreek061419_36	BC2CJ	1208919.696354	2301055.442535	14-06-2019 12:20:10	0.000000	0.000231	0.132629	787.7	45.7	-0.397	0.001	0.574
BasinCreek061419_37	BC2CJ	1208935.62746	2300913.007431	14-06-2019 12:30:10	0.000000	0.002077	0.451642	787.0	45.8	-1.771	0.009	1.957
BasinCreek061419_38	BC2CJ	1208979.427214	2300978.738083	14-06-2019 12:34:26	0.000000	0.000000	0.002997	785.9	45.7	-2.483	0	0.013
BasinCreek061419_39	BC2CJ	1209041.303176	2301036.923712	14-06-2019 12:38:23	0.000000	0.000000	0.036755	787.8	45.6	-1.089	-0.001	0.159
BasinCreek061419_40	BC2CJ	1209073.828356	2301055.496364	14-06-2019 12:40:59	0.000000	0.000000	0.059514	788.7	45.4	-0.503	-0.001	0.257
BasinCreek061419_41	BC2CJ	1209121.283949	2301141.988956	14-06-2019 12:43:44	0.000000	0.000000	0.295728	789.1	45.3	-0.166	-0.001	1.276
BasinCreek061419_42	BC2CJ	1209142.745543	2300884.906547	14-06-2019 12:50:18	0.000000	0.000000	0.000000	789.5	45.1	-4.573	-0.001	-0.018
BasinCreek061419_43	BC2CJ	1209019.535309	2300814.51004	14-06-2019 12:55:05	1.119486	0.000693	1.151155	785.8	44.8	4.843	0.003	4.98
BasinCreek061419_44	BC2CJ	1209095.112003	2300728.744926	14-06-2019 12:58:46	3.516425	0.000693	0.640568	784.5	44.6	15.228	0.003	2.774
BasinCreek061419_45	BC2CJ	1209152.007209	2300736.31886	14-06-2019 13:00:34	0.000000	0.000000	0.020083	784.0	44.5	-0.107	-0.001	0.087
BasinCreek061419_46	BC2CJ	1209110.047609	2300613.362027	14-06-2019 13:04:26	0.000000	0.000923	0.034385	784.0	44.6	-0.756	0.004	0.149
BasinCreek061419_47	BC2CJ	1209084.842314	2300566.988556	14-06-2019 13:08:27	0.000000	0.000000	0.017056	783.3	44.7	-1.551	-0.001	0.074
BasinCreek061419_48	BC2CJ	1209077.276881	2300470.394325	14-06-2019 13:13:01	0.000000	0.000000	0.000921	782.9	44.8	-0.196	-0.01	0.004
BasinCreek061419_49	BC2CJ	1209093.644994	2300464.1107	14-06-2019 13:15:13	0.000000	0.000000	0.082898	782.8	44.8	-1.491	-0.001	0.36

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061419_50	BC2CJ	1209095.348669	2300392.782614	14-06-2019 13:18:18	0.000000	0.000000	0.172278	783.2	44.9	-2.477	0	0.748
BasinCreek061419_51	BC2CJ	1209034.29227	2300419.21131	14-06-2019 13:22:50	1.923802	0.000921	0.257167	782.9	44.9	8.356	0.004	1.117
BasinCreek061419_52	BC2CJ	1209015.876222	2300353.87498	14-06-2019 13:26:50	12.478640	0.001150	0.559380	781.9	44.8	54.253	0.005	2.432
BasinCreek061419_53	BC2CJ	1209012.908936	2300285.061418	14-06-2019 13:29:59	0.000000	0.000000	0.212661	781.3	44.7	-6.009	0	0.925
BasinCreek061419_54	BC2CJ	1209000.718691	2300164.252538	14-06-2019 13:33:53	0.000000	0.000000	0.000000	781.7	44.6	-0.956	-0.005	-0.096
BasinCreek061419_55	BC2CJ	1208953.855757	2300164.008118	14-06-2019 13:37:46	0.000000	0.000922	0.036413	782.7	44.5	-0.553	0.004	0.158
BasinCreek061419_56	BC2CJ	1208676.373905	2299973.855198	14-06-2019 13:48:43	0.000000	0.001153	0.660928	781.7	44.0	-33.256	0.005	2.867
BasinCreek061419_57	BC2CJ	1208760.809848	2300129.645534	14-06-2019 13:58:23	0.000000	0.000919	0.004137	778.6	43.7	-0.884	0.004	0.018
BasinCreek061419_58	BC2CJ	1208759.789614	2300357.179261	14-06-2019 14:05:33	0.000000	0.000000	0.024339	778.1	43.8	-0.728	0	0.106
BasinCreek061419_59	BC2CJ	1208746.989521	2300622.128448	14-06-2019 14:11:18	0.000000	0.000000	0.001375	776.8	43.9	-1.211	-0.008	0.006
BasinCreek061419_60	BC2CJ	1208792.82479	2300718.715674	14-06-2019 14:16:27	0.000000	0.000918	0.134522	778.9	44.2	-0.485	0.004	0.586
BasinCreek061419_61	BC2CJ	1208930.199201	2300618.789179	14-06-2019 14:21:01	0.000000	0.000000	0.075187	780.9	44.5	-0.691	-0.002	0.327
BasinCreek061719_100	BC2CJ	1209514.891942	2302787.728328	17-06-2019 13:30:46	0.008471	0.000000	0.162370	791.9	41.6	0.036	-0.117	0.69
BasinCreek061719_101	BC2CJ	1209512.261132	2302794.272567	17-06-2019 13:33:16	0.115637	0.000000	0.201364	791.8	41.3	0.491	-0.011	0.855
BasinCreek061719_102	BC2CJ	1209514.942146	2302797.069313	17-06-2019 13:35:49	0.342099	0.000236	0.419431	791.9	41.0	1.451	0.001	1.779
BasinCreek061719_103	BC2CJ	1209525.104162	2302806.571448	17-06-2019 13:38:32	0.000000	0.000000	1.194754	792.1	40.8	-0.232	0	5.063
BasinCreek061719_104	BC2CJ	1209513.921418	2302810.404326	17-06-2019 13:41:44	0.000000	0.001181	0.612080	792.2	40.5	-0.031	0.005	2.591
BasinCreek061719_105	BC2CJ	1209503.738767	2302827.749159	17-06-2019 13:44:27	0.000000	0.000473	0.383016	792.1	40.2	-0.822	0.002	1.62
BasinCreek061719_106	BC2CJ	1209501.977838	2302827.287409	17-06-2019 13:46:52	0.573200	0.001183	0.849273	791.8	39.9	2.423	0.005	3.59
BasinCreek061719_107	BC2CJ	1209548.752489	2302837.719105	17-06-2019 13:50:01	1.109819	0.000474	0.594224	792.2	39.7	4.686	0.002	2.509
BasinCreek061719_108	BC2CJ	1209563.289083	2302796.037127	17-06-2019 13:53:18	0.000000	0.000474	0.156481	792.8	39.6	0	0.002	0.66
BasinCreek061719_109	BC2CJ	1209572.590245	2302758.370696	17-06-2019 13:56:50	0.331645	0.000474	0.164162	793.0	39.5	1.398	0.002	0.692
BasinCreek061719_110	BC2CJ	1209547.282704	2302762.252821	17-06-2019 14:02:03	0.000000	0.000474	0.081833	792.9	39.5	-0.046	0.002	0.345
BasinCreek061719_62	BC2CJ	1209117.050695	2302522.817056	17-06-2019 09:29:46	0.000000	0.000244	0.057843	790.8	29.9	0	0.001	0.237
BasinCreek061719_63	BC2CJ	1208969.964095	2302490.378806	17-06-2019 09:39:04	0.000000	0.000000	0.000000	790.8	30.9	0	0	-0.258
BasinCreek061719_64	BC2CJ	1208896.010139	2302336.38797	17-06-2019 09:53:54	0.000000	0.000000	0.025853	789.6	32.5	-0.207	0	0.107

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061719_65	BC2CJ	1208890.207388	2302136.909858	17-06-2019 10:02:36	0.000000	0.000241	0.131299	789.1	33.2	0	0.001	0.545
BasinCreek061719_66	BC2CJ	1208727.526217	2301923.619325	17-06-2019 10:09:49	0.000000	0.000721	0.043739	788.7	33.8	-10.048	0.003	0.182
BasinCreek061719_67	BC2CJ	1208777.397459	2301741.514939	17-06-2019 10:14:43	0.100782	0.000718	0.149139	786.4	34.1	0.421	0.003	0.623
BasinCreek061719_68	BC2CJ	1208935.373548	2301569.212165	17-06-2019 10:19:54	0.000000	0.000239	0.057360	786.4	34.6	0	0.001	0.24
BasinCreek061719_69	BC2CJ	1208826.053535	2301513.236598	17-06-2019 10:22:47	0.000000	0.001192	0.065787	784.8	34.8	0	0.005	0.276
BasinCreek061719_70	BC2CJ	1208758.831638	2301376.543351	17-06-2019 10:26:29	0.000000	0.001190	0.079706	784.4	35.2	0	0.005	0.335
BasinCreek061719_71	BC2CJ	1208838.684519	2301316.95033	17-06-2019 10:31:14	0.000000	0.000712	0.212940	783.9	35.7	0	0.003	0.897
BasinCreek061719_72	BC2CJ	1208713.349255	2301210.758062	17-06-2019 10:42:35	0.000000	0.000237	0.046686	785.6	36.9	0	0.001	0.197
BasinCreek061719_73	BC2CJ	1208635.074143	2301186.414414	17-06-2019 10:47:39	0.000000	0.000945	0.179804	784.0	37.2	0	0.004	0.761
BasinCreek061719_74	BC2CJ	1208511.431777	2301147.354757	17-06-2019 10:52:11	0.000000	0.000943	0.105162	782.9	37.4	0	0.004	0.446
BasinCreek061719_75	BC2CJ	1208478.865689	2300979.59317	17-06-2019 10:57:55	0.000000	0.000706	0.078587	782.0	37.7	-0.049	0.003	0.334
BasinCreek061719_76	BC2CJ	1208661.748398	2300973.420562	17-06-2019 11:05:51	1.675890	0.000939	2.249073	781.6	38.3	7.14	0.004	9.582
BasinCreek061719_77	BC2CJ	1208652.600603	2300749.571359	17-06-2019 11:17:43	0.000000	0.002350	0.772681	784.8	39.2	-2.364	0.01	3.288
BasinCreek061719_78	BC2CJ	1208570.367849	2300794.871949	17-06-2019 11:23:37	0.152741	0.001406	0.241997	783.6	39.7	0.652	0.006	1.033
BasinCreek061719_79	BC2CJ	1209022.271957	2301798.018331	17-06-2019 11:42:43	0.000000	0.001632	0.103271	782.5	40.8	-0.081	0.007	0.443
BasinCreek061719_80	BC2CJ	1209154.434596	2301755.449372	17-06-2019 11:46:35	0.119595	0.001170	0.103212	785.6	40.8	0.511	0.005	0.441
BasinCreek061719_81	BC2CJ	1209103.84193	2301912.04212	17-06-2019 11:50:38	0.000000	0.000701	0.107288	785.1	41.0	-0.041	0.003	0.459
BasinCreek061719_82	BC2CJ	1208936.847513	2301983.09295	17-06-2019 12:02:00	0.180370	0.000701	0.260274	786.5	41.7	0.772	0.003	1.114
BasinCreek061719_83	BC2CJ	1209111.301676	2302130.697485	17-06-2019 12:08:23	0.000000	0.001872	0.142999	788.6	42.0	0	0.008	0.611
BasinCreek061719_84	BC2CJ	1209535.656954	2302630.093949	17-06-2019 12:25:04	0.271620	0.001642	0.193511	790.6	42.1	1.158	0.007	0.825
BasinCreek061719_85	BC2CJ	1209410.695325	2302679.22287	17-06-2019 12:29:05	0.000000	0.001175	0.098925	791.5	41.9	0	0.005	0.421
BasinCreek061719_86	BC2CJ	1209347.062772	2302725.338548	17-06-2019 12:32:27	0.000000	0.000705	0.095117	790.6	41.7	0	0.003	0.405
BasinCreek061719_87	BC2CJ	1209175.452501	2302783.167468	17-06-2019 12:37:40	0.000000	0.001173	0.227653	789.8	41.6	-0.057	0.005	0.97
BasinCreek061719_88	BC2CJ	1209195.380305	2302809.599396	17-06-2019 12:40:09	0.000000	0.001641	0.254184	788.6	41.4	-0.182	0.007	1.084
BasinCreek061719_89	BC2CJ	1209169.140047	2302975.583071	17-06-2019 12:44:00	0.000000	0.000938	0.073160	788.6	41.4	0	0.004	0.312
BasinCreek061719_90	BC2CJ	1209213.758457	2303124.250678	17-06-2019 12:48:21	0.000000	0.001411	0.101098	790.7	41.4	-0.064	0.006	0.43

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061719_91	BC2CJ	1209340.360009	2303142.520929	17-06-2019 12:52:48	0.000000	0.001650	0.261853	792.4	41.3	-0.09	0.007	1.111
BasinCreek061719_92	BC2CJ	1209313.181345	2302963.194235	17-06-2019 13:00:46	0.000000	0.001651	0.124272	792.8	41.3	-0.024	0.007	0.527
BasinCreek061719_93	BC2CJ	1209473.885411	2302831.619884	17-06-2019 13:07:15	0.207498	0.000470	0.087417	790.3	41.4	0.883	0.002	0.372
BasinCreek061719_94	BC2CJ	1209478.305669	2302789.492015	17-06-2019 13:11:29	0.007523	0.000705	0.418679	791.1	41.6	0.032	0.003	1.781
BasinCreek061719_95	BC2CJ	1209497.293987	2302747.362723	17-06-2019 13:14:51	0.000000	0.000470	0.346245	791.0	41.8	-0.037	0.002	1.474
BasinCreek061719_96	BC2CJ	1209493.077492	2302739.85079	17-06-2019 13:17:50	0.019252	0.000704	0.134765	791.1	42.0	0.082	0.003	0.574
BasinCreek061719_97	BC2CJ	1209504.761559	2302790.946304	17-06-2019 13:22:02	0.498989	0.001174	1.116035	791.1	42.1	2.126	0.005	4.755
BasinCreek061719_98	BC2CJ	1209520.624576	2302788.731101	17-06-2019 13:25:30	1.540869	0.000940	0.562025	791.7	42.0	6.558	0.004	2.392
BasinCreek061719_99	BC2CJ	1209518.98195	2302790.998374	17-06-2019 13:28:05	389.212900	0.117547	12.351620	791.9	41.9	1655.561	0.5	52.539
BasinCreek061819_111	BC2CJ	1209854.343886	2302670.323851	18-06-2019 10:12:11	0.000000	0.000000	0.054076	798.7	28.0	-0.645	-0.001	0.218
BasinCreek061819_112	BC2CJ	1209726.726155	2302818.310391	18-06-2019 10:17:22	0.190010	0.000247	0.000000	798.5	29.5	0.77	0.001	-0.127
BasinCreek061819_113	BC2CJ	1209742.173888	2302890.418885	18-06-2019 10:20:51	0.149912	0.000246	0.187267	797.6	30.4	0.61	0.001	0.762
BasinCreek061819_114	BC2CJ	1209731.166076	2302903.85354	18-06-2019 10:23:17	4.114938	0.001719	1.536627	798.1	30.9	16.761	0.007	6.259
BasinCreek061819_115	BC2CJ	1209718.146622	2303034.148243	18-06-2019 10:29:37	0.110352	0.000979	0.281630	798.3	32.0	0.451	0.004	1.151
BasinCreek061819_116	BC2CJ	1209725.01288	2303146.473978	18-06-2019 10:34:24	0.000000	0.000489	0.684474	799.1	32.7	-0.107	0.002	2.801
BasinCreek061819_117	BC2CJ	1209721.14549	2303178.517318	18-06-2019 10:36:48	2.429308	0.000489	1.955714	799.9	33.0	9.941	0.002	8.003
BasinCreek061819_118	BC2CJ	1209675.050686	2303247.892533	18-06-2019 10:40:19	2.785069	0.001464	1.766594	800.0	33.5	11.414	0.006	7.24
BasinCreek061819_119	BC2CJ	1209676.665534	2303284.604582	18-06-2019 10:43:10	1.963377	0.002192	2.608337	799.6	33.9	8.061	0.009	10.709
BasinCreek061819_120	BC2CJ	1209625.665718	2303519.10656	18-06-2019 10:53:45	13.186460	0.000000	0.499063	799.6	35.1	54.351	-0.001	2.057
BasinCreek061819_121	BC2CJ	1209565.715945	2303535.704298	18-06-2019 10:57:40	0.000000	0.000726	0.128689	798.0	35.4	0	0.003	0.532
BasinCreek061819_122	BC2CJ	1209531.950502	2303737.131928	18-06-2019 11:05:50	1.114503	0.001448	0.980773	798.4	36.2	4.617	0.006	4.063
BasinCreek061819_123	BC2CJ	1209552.14577	2303909.757253	18-06-2019 11:10:23	0.000000	0.001690	0.184415	799.4	36.6	0	0.007	0.764
BasinCreek061819_124	BC2CJ	1209358.58308	2303766.117972	18-06-2019 11:16:09	0.000000	0.000723	0.128770	799.9	37.1	-0.05	0.003	0.534
BasinCreek061819_125	BC2CJ	1209341.586581	2303570.310067	18-06-2019 11:22:30	0.000000	0.000480	0.041055	798.7	38.0	-0.021	0.002	0.171
BasinCreek061819_126	BC2CJ	1209432.370396	2303382.272298	18-06-2019 11:31:10	0.000000	0.001671	0.105765	796.8	39.0	0	0.007	0.443
BasinCreek061819_127	BC2CJ	1209549.016693	2303375.314657	18-06-2019 11:36:10	0.000000	0.000239	0.000000	797.2	39.4	-0.003	0.001	-0.107

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061819_128	BC2CJ	1209534.300331	2303143.049148	18-06-2019 11:45:43	0.189373	0.000950	0.192699	796.3	40.3	0.797	0.004	0.811
BasinCreek061819_129	BC2CJ	1209550.453895	2302992.26912	18-06-2019 11:52:01	0.194004	0.001423	0.951523	796.1	40.8	0.818	0.006	4.012
BasinCreek061819_130	BC2CJ	1210318.960431	2304314.333198	18-06-2019 12:13:15	0.000000	0.000947	0.014205	795.7	41.2	-0.486	0.004	0.06
BasinCreek061819_131	BC2CJ	1210208.962751	2304555.549904	18-06-2019 12:18:53	0.000000	0.001664	0.142172	798.8	41.1	0	0.007	0.598
BasinCreek061819_132	BC2CJ	1210293.364849	2304741.201481	18-06-2019 12:23:51	0.000000	0.001188	0.194306	798.1	41.1	0	0.005	0.818
BasinCreek061819_133	BC2CJ	1210328.095318	2304608.374708	18-06-2019 12:28:02	0.000000	0.001186	0.033451	797.1	41.1	-0.052	0.005	0.141
BasinCreek061819_134	BC2CJ	1210363.670856	2304601.133439	18-06-2019 12:31:19	0.000000	0.000712	0.018026	796.9	41.1	-0.001	0.003	0.076
BasinCreek061819_135	BC2CJ	1210381.425812	2304548.318596	18-06-2019 12:35:01	0.059999	0.002134	0.237863	796.8	41.1	0.253	0.009	1.003
BasinCreek061819_136	BC2CJ	1210331.105342	2304559.91544	18-06-2019 12:39:32	0.000000	0.000475	0.000000	797.3	41.1	-0.573	0.002	-0.031
BasinCreek061819_137	BC2CJ	1210322.045469	2304543.541435	18-06-2019 12:42:00	0.000000	0.000950	0.126110	797.7	41.0	-0.095	0.004	0.531
BasinCreek061819_138	BC2CJ	1210318.486665	2304530.971064	18-06-2019 12:44:55	0.000000	0.000475	0.106696	797.9	40.9	0	0.002	0.449
BasinCreek061819_139	BC2CJ	1210294.91534	2304531.793255	18-06-2019 12:47:26	0.000000	0.001901	0.533583	797.7	40.9	0	0.008	2.246
BasinCreek061819_140	BC2CJ	1210286.353561	2304496.931417	18-06-2019 12:50:19	0.286181	0.001900	0.394241	797.7	41.0	1.205	0.008	1.66
BasinCreek061819_141	BC2CJ	1210307.768446	2304500.333938	18-06-2019 12:52:38	0.422715	0.002851	0.239515	798.1	41.0	1.779	0.012	1.008
BasinCreek061819_142	BC2CJ	1210309.36843	2304507.815358	18-06-2019 12:54:44	141.178600	0.001900	1.803864	798.1	41.1	594.341	0.008	7.594
BasinCreek061819_143	BC2CJ	1210332.225218	2304518.08336	18-06-2019 12:57:27	0.000000	0.001425	0.247642	798.0	41.2	0	0.006	1.043
BasinCreek061819_144	BC2CJ	1210349.384631	2304519.472117	18-06-2019 13:00:28	0.000000	0.000949	0.057401	797.7	41.4	-0.614	0.004	0.242
BasinCreek061819_145	BC2CJ	1210434.049882	2304460.405113	18-06-2019 13:05:43	0.000000	0.001422	0.527115	797.6	41.6	0	0.006	2.224
BasinCreek061819_146	BC2CJ	1210531.449243	2304426.301989	18-06-2019 13:10:12	0.000000	0.000000	0.059286	798.3	41.7	0	-0.003	0.25
BasinCreek061819_147	BC2CJ	1210730.531732	2304454.194265	18-06-2019 13:15:01	0.000000	0.001185	0.068009	797.7	41.7	0	0.005	0.287
BasinCreek061819_148	BC2CJ	1210749.896067	2304577.057313	18-06-2019 13:20:10	0.000000	0.000946	0.158755	796.7	41.8	0	0.004	0.671
BasinCreek061819_149	BC2CJ	1210576.650159	2304599.201045	18-06-2019 13:24:55	0.000000	0.000944	0.060412	794.9	41.9	-0.279	0.004	0.256
BasinCreek061819_150	BC2CJ	1210561.509897	2304821.856672	18-06-2019 13:31:19	0.000000	0.000946	0.153708	796.8	42.0	0	0.004	0.65
BasinCreek061819_151	BC2CJ	1210528.652466	2304979.068673	18-06-2019 13:36:04	0.000000	0.000709	0.013470	796.0	41.9	0	0.003	0.057
BasinCreek061819_152	BC2CJ	1210692.306004	2304794.238972	18-06-2019 13:42:57	0.000000	0.000707	0.080395	794.4	42.0	0	0.003	0.341
BasinCreek061819_153	BC2CJ	1210942.26146	2304655.348013	18-06-2019 13:49:59	0.000000	0.001886	0.179908	795.0	42.2	0	0.008	0.763

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061819_154	BC2CJ	1210931.124421	2304816.988542	18-06-2019 13:54:26	0.000000	0.000939	0.032882	792.4	42.4	0	0.004	0.14
BasinCreek061819_155	BC2CJ	1210972.255664	2305016.729402	18-06-2019 13:59:24	0.000000	0.001644	0.085001	792.2	42.4	0	0.007	0.362
BasinCreek061819_156	BC2CJ	1210805.037908	2305036.750413	18-06-2019 14:03:14	0.000000	0.000940	0.027732	792.4	42.2	-0.006	0.004	0.118
GunClub062419_01	BC2CJ	1215041.546669	2309924.547256	24-06-2019 08:39:12	0.000000	0.000000	0.089274	806.8	21.0	0	-0.003	0.348
GunClub062419_02	BC2CJ	1215057.510744	2309789.074333	24-06-2019 08:42:27	0.000000	0.000000	0.265050	806.8	21.8	0	-0.006	1.036
GunClub062419_03	BC2CJ	1214943.900342	2309782.313726	24-06-2019 08:45:23	0.000000	0.000000	0.320336	806.2	22.5	0	0	1.256
GunClub062419_04	BC2CJ	1215062.557343	2310082.969685	24-06-2019 08:49:10	0.000000	0.000000	0.230369	806.2	23.4	0	-0.002	0.906
GunClub062419_05	BC2CJ	1214806.342772	2309974.061903	24-06-2019 08:53:32	0.000000	0.000000	0.026891	806.8	24.3	-0.001	0	0.106
GunClub062419_06	BC2CJ	1214621.926202	2309952.151746	24-06-2019 08:56:39	0.164936	0.000253	0.115607	806.4	25.0	0.652	0.001	0.457
GunClub062419_07	BC2CJ	1214390.025715	2309986.411841	24-06-2019 09:00:51	0.263973	0.000504	0.058997	806.4	26.0	1.047	0.002	0.234
GunClub062419_08	BC2CJ	1214218.16087	2309957.666542	24-06-2019 09:05:35	0.000000	0.000000	0.047173	805.5	27.1	0	0	0.188
GunClub062419_09	BC2CJ	1214218.022629	2309811.750738	24-06-2019 09:09:09	0.000000	0.000250	0.020977	803.8	27.9	0	0.001	0.084
GunClub062419_10	BC2CJ	1214328.825809	2309732.722298	24-06-2019 09:13:15	0.000000	0.000000	0.033564	802.9	28.9	-0.002	-0.001	0.135
GunClub062419_11	BC2CJ	1214346.358589	2309596.388355	24-06-2019 09:18:47	0.000000	0.000989	0.100646	802.3	30.3	0	0.004	0.407
GunClub062419_12	BC2CJ	1214523.809765	2309591.86811	24-06-2019 09:23:56	0.174561	0.000492	0.076954	800.3	31.3	0.71	0.002	0.313
GunClub062419_13	BC2CJ	1214553.251653	2309689.389837	24-06-2019 09:29:51	1.724494	0.001228	0.417375	801.8	32.3	7.024	0.005	1.7
GunClub062419_14	BC2CJ	1214502.60216	2309775.53208	24-06-2019 09:35:05	0.000000	0.000982	0.011051	804.1	33.1	0	0.004	0.045
GunClub062419_15	BC2CJ	1214483.374627	2309771.577734	24-06-2019 09:37:54	23.346000	0.006876	1.494595	804.9	33.4	95.065	0.028	6.086
GunClub062419_16	BC2CJ	1214478.764621	2309793.048313	24-06-2019 09:40:53	0.246229	0.000981	0.098835	804.6	33.7	1.004	0.004	0.403
GunClub062419_17	BC2CJ	1214448.051431	2309813.59297	24-06-2019 09:43:53	43.117110	0.001960	3.778695	804.9	34.1	175.974	0.008	15.422
GunClub062419_18	BC2CJ	1214432.142845	2309845.407054	24-06-2019 09:47:15	19.016140	0.000245	0.678886	805.0	34.5	77.702	0.001	2.774
GunClub062419_19	BC2CJ	1214423.850323	2309840.979218	24-06-2019 09:49:41	103.877900	0.002201	0.695598	805.3	34.8	424.712	0.009	2.844
GunClub062419_20	BC2CJ	1214450.363857	2309839.012402	24-06-2019 09:52:18	87.391590	0.068147	1.133833	805.0	35.1	357.788	0.279	4.642
GunClub062419_21	BC2CJ	1214457.586631	2309830.402849	24-06-2019 09:54:32	23.698040	0.000000	0.799013	805.1	35.4	97.104	-0.137	3.274
GunClub062419_22	BC2CJ	1214465.216042	2309849.898844	24-06-2019 09:57:03	4.158371	0.000000	0.927143	805.3	35.8	17.057	-0.001	3.803
GunClub062419_23	BC2CJ	1214575.09573	2309731.111556	24-06-2019 10:00:38	0.000000	0.000000	0.112171	805.3	36.4	-0.031	-0.001	0.461

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
GunClub062419_24	BC2CJ	1214655.707368	2309749.009872	24-06-2019 10:03:43	904.167500	1.334876	9.853606	805.0	36.9	3723.348	5.497	40.577
GunClub062419_25	BC2CJ	1214660.271591	2309763.200317	24-06-2019 10:07:24	184.662800	0.000000	1.276228	805.3	37.4	761.381	0	5.262
GunClub062419_26	BC2CJ	1214648.338413	2309733.148514	24-06-2019 10:10:39	123.428100	0.000000	1.403486	805.7	38.0	509.635	0	5.795
GunClub062419_27	BC2CJ	1214688.341086	2309665.952971	24-06-2019 10:13:13	67.477970	0.000000	1.152885	805.0	38.3	279.128	0	4.769
GunClub062419_28	BC2CJ	1214698.009298	2309635.971307	24-06-2019 10:16:19	7.438189	0.000000	1.274139	804.9	38.7	30.812	0	5.278
GunClub062419_29	BC2CJ	1214699.405338	2309609.313355	24-06-2019 10:19:57	10.578930	0.000000	1.223475	805.0	39.1	43.873	0	5.074
GunClub062419_30	BC2CJ	1214726.014705	2309632.916824	24-06-2019 10:22:25	0.000000	0.000000	0.013008	804.7	39.3	-3.485	-0.209	0.054
GunClub062419_31	BC2CJ	1214779.80889	2309637.411542	24-06-2019 10:25:40	0.000000	0.000000	0.000000	805.0	39.7	0	-0.016	-0.032
GunClub062419_32	BC2CJ	1214765.678616	2309730.206445	24-06-2019 10:28:25	0.000000	0.000000	0.071636	804.6	39.9	0	-0.018	0.298
GunClub062419_33	BC2CJ	1215060.689815	2309674.775824	24-06-2019 10:36:13	0.000000	0.000000	0.002881	805.1	40.5	0	-0.012	0.012
GunClub062419_34	BC2CJ	1214929.713739	2309572.184357	24-06-2019 10:39:21	0.000000	0.000000	0.166322	805.1	40.6	0	-0.003	0.693
GunClub062419_35	BC2CJ	1214883.284253	2309430.894559	24-06-2019 10:43:42	0.000000	0.000000	0.061572	804.7	41.0	0	-0.002	0.257
GunClub062419_36	BC2CJ	1214746.057117	2309389.797423	24-06-2019 10:48:07	0.000000	0.000000	0.000717	803.4	41.3	0	-0.004	0.003
GunClub062419_37	BC2CJ	1214692.504781	2309399.271131	24-06-2019 10:51:05	10.214530	0.000477	1.763831	802.3	41.5	42.831	0.002	7.396
GunClub062419_38	BC2CJ	1214663.475374	2309369.025603	24-06-2019 10:54:50	0.000000	0.000000	0.256734	802.2	41.6	0	0	1.077
GunClub062419_39	BC2CJ	1214664.12318	2309341.656726	24-06-2019 10:57:25	2.360569	0.000000	0.724130	801.6	41.6	9.91	0	3.04
GunClub062419_40	BC2CJ	1214657.104129	2309319.461442	24-06-2019 11:00:23	0.000000	0.000000	0.170054	801.5	41.6	0	-0.004	0.714
GunClub062419_41	BC2CJ	1214657.893624	2309306.17476	24-06-2019 11:03:04	0.290698	0.000714	0.677581	801.2	41.6	1.221	0.003	2.846
GunClub062419_42	BC2CJ	1214570.069198	2309159.693458	24-06-2019 11:13:39	0.000000	0.001664	0.075376	801.2	42.0	0	0.007	0.317
GunClub062419_43	BC2CJ	1214525.785612	2309323.98851	24-06-2019 11:18:51	0.000000	0.000000	0.222465	798.8	42.2	0	0	0.939
GunClub062419_44	BC2CJ	1214347.127212	2309376.731919	24-06-2019 11:24:55	0.000000	0.000000	0.031988	799.4	42.4	0	-0.001	0.135
GunClub062419_45	BC2CJ	1214325.840403	2309153.362545	24-06-2019 11:30:20	0.000000	0.000000	0.005431	796.9	42.5	0	-0.003	0.023
GunClub062419_46	BC2CJ	1214299.747458	2308959.126137	24-06-2019 11:39:17	0.000000	0.000000	0.074151	795.2	42.8	0	-0.002	0.315
GunClub062419_47	BC2CJ	1214204.729254	2309041.713123	24-06-2019 11:43:28	0.000000	0.000000	0.064787	793.2	42.9	-0.001	-0.003	0.276
GunClub062419_48	BC2CJ	1214081.588003	2308780.74936	24-06-2019 11:50:49	0.000000	0.000000	0.027659	792.8	43.2	0	-0.004	0.118
GunClub062419_49	BC2CJ	1214075.302631	2308634.390755	24-06-2019 11:55:34	0.000000	0.000000	0.006075	790.3	43.2	0	-0.004	0.026

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
GunClub062419_50	BC2CJ	1213982.588117	2308584.800637	24-06-2019 12:00:48	0.000000	0.000000	0.038543	790.6	43.4	0	-0.002	0.165
GunClub062419_51	BC2CJ	1213919.278088	2308427.637482	24-06-2019 12:11:10	0.000000	0.000000	0.022839	789.5	43.7	0	-0.005	0.098
GunClub062419_52	BC2CJ	1214005.692242	2308238.997114	24-06-2019 12:17:55	0.000000	0.000000	0.007680	788.9	43.9	0	-0.002	0.033
GunClub062419_53	BC2CJ	1214149.209435	2308065.278018	24-06-2019 12:26:35	0.000000	0.000000	0.018631	790.2	44.2	-21.614	-0.003	0.08
GunClub062419_54	BC2CJ	1214193.119151	2307880.066014	24-06-2019 12:37:48	0.000000	0.000000	0.020029	790.7	44.4	0	-0.006	0.086
GunClub062419_55	BC2CJ	1214328.813858	2307812.904718	24-06-2019 12:43:33	0.000000	0.000000	0.005106	788.2	44.5	0	-0.008	0.022
GunClub062419_56	BC2CJ	1214534.227374	2307740.052276	24-06-2019 12:48:59	0.000000	0.000000	0.008792	786.3	44.7	0	-0.002	0.038
GunClub062419_57	BC2CJ	1214593.52952	2307605.375189	24-06-2019 12:58:32	0.000000	0.000000	0.032527	784.7	45.0	0	-0.005	0.141
GunClub062419_58	BC2CJ	1214712.523933	2307580.324559	24-06-2019 13:01:53	0.000000	0.000000	0.066277	782.8	45.0	0	-0.003	0.288
GunClub062419_59	BC2CJ	1214705.331662	2307389.447292	24-06-2019 13:06:38	0.000000	0.000000	0.007357	782.0	45.0	0	-0.001	0.032
GunClub062419_60	BC2CJ	1214614.974832	2307388.94516	24-06-2019 13:10:54	0.000000	0.000000	0.090845	780.1	44.9	0	-0.004	0.396
GunClub062419_61	BC2CJ	1214432.018691	2307379.155683	24-06-2019 13:15:19	0.000000	0.000000	0.111266	781.0	44.6	0	-0.002	0.484
GunClub062419_62	BC2CJ	1214281.540428	2307347.777313	24-06-2019 13:20:44	0.000000	0.000000	0.022999	780.6	44.3	0	-0.008	0.1
GunClub062419_63	BC2CJ	1214585.458992	2308003.537708	24-06-2019 13:36:01	0.000000	0.000000	0.002074	780.9	43.8	0	-0.006	0.009
GunClub062419_64	BC2CJ	1214572.724611	2308095.684693	24-06-2019 13:40:19	0.000000	0.000000	0.023715	787.4	43.6	0	-0.006	0.102
GunClub062419_65	BC2CJ	1214400.037547	2307968.756804	24-06-2019 13:45:29	0.000000	0.000000	1.063389	788.2	43.6	-0.002	-0.001	4.569
GunClub062419_66	BC2CJ	1214390.088334	2308107.681827	24-06-2019 13:51:09	0.000000	0.000000	0.005581	787.8	43.7	0	-0.002	0.024
GunClub062419_67	BC2CJ	1214262.770635	2308180.399738	24-06-2019 13:56:08	0.000000	0.000000	0.001631	789.4	43.8	0	-0.001	0.007
GunClub062419_68	BC2CJ	1214192.732568	2308330.855521	24-06-2019 14:01:22	0.000000	0.000000	0.051527	790.6	44.0	0	-0.003	0.221
GunClub062419_69	BC2CJ	1214317.547418	2308369.523924	24-06-2019 14:06:06	0.000000	0.000000	0.035949	791.8	44.1	-14.3	-0.001	0.154
GunClub062419_70	BC2CJ	1214529.09731	2308414.480327	24-06-2019 14:11:47	0.000000	0.000000	0.010513	792.9	44.3	0	-0.001	0.045
GunClub062419_71	BC2CJ	1214417.770618	2308605.360778	24-06-2019 14:16:08	0.000000	0.000000	0.025252	794.1	44.5	0	-0.001	0.108
GunClub062419_72	BC2CJ	1214388.141512	2308820.921446	24-06-2019 14:19:26	0.000000	0.000000	0.129157	794.9	44.6	0	-0.001	0.552
GunClub062419_73	BC2CJ	1214422.718623	2308855.092622	24-06-2019 14:23:02	5.736357	0.000468	1.994340	794.8	44.8	24.535	0.002	8.53
GunClub062419_74	BC2CJ	1214718.722482	2308759.947221	24-06-2019 14:30:44	0.000000	0.000000	0.017750	794.7	45.1	-0.078	-0.003	0.076
GunClub062419_75	BC2CJ	1214649.798921	2308839.802871	24-06-2019 14:34:32	0.000000	0.000000	0.001168	794.8	45.2	0	-0.008	0.005

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
GunClub062419_76	BC2CJ	1214649.209839	2308900.62029	24-06-2019 14:40:28	0.000000	0.000000	0.039478	795.6	45.4	0	-0.005	0.169
GunClub062419_77	BC2CJ	1214794.445918	2309043.519637	24-06-2019 14:44:34	0.000000	0.000000	0.057016	796.1	45.5	-0.001	-0.004	0.244
GunClub062419_78	BC2CJ	1214784.475129	2309183.14115	24-06-2019 14:49:03	0.000000	0.000000	0.041401	797.4	45.7	-12.381	-0.004	0.177
GunClub062519_100	BC2CJ	1215421.990257	2306942.337077	25-06-2019 10:50:10	0.000000	0.000000	0.007848	782.0	43.7	0	-0.002	0.034
GunClub062519_101	BC2CJ	1215420.355155	2306849.627294	25-06-2019 10:53:31	0.000000	0.000000	0.011305	781.8	43.8	-0.058	-0.004	0.049
GunClub062519_102	BC2CJ	1215384.097147	2306695.780929	25-06-2019 11:00:22	0.000000	0.000000	0.058232	781.2	44.3	-0.007	-0.007	0.253
GunClub062519_103	BC2CJ	1215316.259155	2306753.193324	25-06-2019 11:05:48	9.353181	0.002299	1.807839	780.9	44.6	40.691	0.01	7.865
GunClub062519_104	BC2CJ	1215269.792079	2306661.945968	25-06-2019 11:08:56	0.000000	0.000000	0.006190	779.4	44.8	-0.399	-0.008	0.027
GunClub062519_105	BC2CJ	1215256.373197	2306735.849237	25-06-2019 11:12:46	0.000000	0.000000	0.099874	779.2	45.0	0	-0.006	0.436
GunClub062519_106	BC2CJ	1215217.974009	2306851.207191	25-06-2019 11:21:22	0.000000	0.000000	0.004804	779.2	45.4	-0.501	-0.002	0.021
GunClub062519_107	BC2CJ	1215119.083535	2306999.290218	25-06-2019 11:25:46	0.000000	0.000000	0.329157	779.3	45.5	0	-0.001	1.439
GunClub062519_108	BC2CJ	1215139.580021	2307026.025172	25-06-2019 11:29:35	0.000000	0.000000	0.035882	778.4	45.4	-0.083	-0.003	0.157
GunClub062519_109	BC2CJ	1214960.686011	2306969.558918	25-06-2019 11:34:12	0.000000	0.000000	0.111959	778.2	45.4	-0.212	-0.005	0.49
GunClub062519_110	BC2CJ	1214952.258845	2307160.825553	25-06-2019 11:39:28	0.455277	0.001830	0.081904	779.2	45.4	1.99	0.008	0.358
GunClub062519_111	BC2CJ	1214912.371585	2307235.018899	25-06-2019 11:44:03	0.000000	0.000000	0.372649	779.6	45.4	0	-0.001	1.628
GunClub062519_112	BC2CJ	1214799.024805	2307197.01752	25-06-2019 11:47:26	0.000000	0.000000	0.000000	780.1	45.5	0	-0.01	-0.152
GunClub062519_113	BC2CJ	1214862.357936	2307317.778794	25-06-2019 11:51:03	0.000000	0.000000	0.011901	779.7	45.5	-0.155	-0.007	0.052
GunClub062519_114	BC2CJ	1214910.684066	2307345.602425	25-06-2019 11:56:47	0.436339	0.001145	0.061843	780.6	45.6	1.905	0.005	0.27
GunClub062519_115	BC2CJ	1214865.506595	2307436.830875	25-06-2019 12:02:04	0.000000	0.000000	0.000000	781.1	45.7	0	-0.002	-0.021
GunClub062519_79	BC2CJ	1214581.637988	2308638.496013	25-06-2019 08:51:04	0.000000	0.000000	2.752751	796.0	27.3	-0.125	-0.001	11.109
GunClub062519_80	BC2CJ	1214713.017512	2308573.236253	25-06-2019 08:56:14	0.000000	0.000000	0.018745	796.0	28.7	0	-0.002	0.076
GunClub062519_81	BC2CJ	1214735.117324	2308483.556563	25-06-2019 09:00:18	0.000000	0.000000	0.000982	795.0	29.7	-0.001	-0.001	0.004
GunClub062519_82	BC2CJ	1214979.567741	2308290.438772	25-06-2019 09:07:21	0.000000	0.000000	0.058762	794.2	31.5	-0.001	-0.001	0.241
GunClub062519_83	BC2CJ	1214966.566744	2308154.572771	25-06-2019 09:12:51	0.000000	0.000000	0.103517	792.5	32.6	-0.003	-0.002	0.427
GunClub062519_84	BC2CJ	1214788.640376	2308177.64205	25-06-2019 09:17:23	0.000000	0.000000	0.080885	791.1	33.3	0	-0.001	0.335
GunClub062519_85	BC2CJ	1214716.340837	2308029.036244	25-06-2019 09:24:46	0.000000	0.000000	0.013735	792.1	34.3	0	-0.001	0.057

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
GunClub062519_86	BC2CJ	1214739.938883	2307802.841777	25-06-2019 09:36:54	0.000000	0.000000	0.086182	789.6	36.2	0	-0.001	0.361
GunClub062519_87	BC2CJ	1215014.645479	2307945.090991	25-06-2019 09:44:03	0.000000	0.000000	0.138810	786.0	37.2	0	-0.004	0.586
GunClub062519_88	BC2CJ	1215058.712799	2307792.494932	25-06-2019 09:48:22	0.000000	0.000000	0.230350	789.0	37.6	-0.001	-0.002	0.97
GunClub062519_89	BC2CJ	1215198.547953	2307736.783872	25-06-2019 09:54:12	0.000000	0.000000	0.019879	788.3	38.4	0	-0.004	0.084
GunClub062519_90	BC2CJ	1215180.76998	2307599.264631	25-06-2019 09:58:23	0.000000	0.000000	0.022180	787.5	39.0	0	-0.003	0.094
GunClub062519_91	BC2CJ	1214973.773825	2307527.054132	25-06-2019 10:06:52	0.000000	0.000000	0.003520	786.5	40.3	-0.001	-0.002	0.015
GunClub062519_92	BC2CJ	1215153.062665	2307423.662429	25-06-2019 10:14:55	0.000000	0.000000	0.160957	784.9	41.1	-0.723	-0.005	0.689
GunClub062519_93	BC2CJ	1215363.588066	2307496.359528	25-06-2019 10:21:05	0.000000	0.000000	0.137266	785.1	41.4	-0.037	-0.003	0.588
GunClub062519_94	BC2CJ	1215370.382712	2307346.154948	25-06-2019 10:25:03	0.000000	0.000000	0.102793	784.4	41.6	0	-0.001	0.441
GunClub062519_95	BC2CJ	1215382.081924	2307171.153553	25-06-2019 10:29:02	0.000000	0.000000	0.028846	783.6	41.9	-0.006	0	0.124
GunClub062519_96	BC2CJ	1215417.390474	2307146.157235	25-06-2019 10:32:26	0.000000	0.000000	0.008120	782.5	42.3	0	-0.005	0.035
GunClub062519_97	BC2CJ	1215367.341984	2307037.697273	25-06-2019 10:37:33	318.792700	0.001621	24.516280	782.5	42.8	1376.231	0.007	105.837
GunClub062519_98	BC2CJ	1215381.80632	2307003.016818	25-06-2019 10:41:32	0.000000	0.000000	0.008084	781.2	43.2	0	-0.002	0.035
GunClub062519_99	BC2CJ	1215408.619576	2307026.659722	25-06-2019 10:45:18	0.000000	0.000000	0.077123	781.5	43.4	0	-0.003	0.334
BasinCreek062619_01	BC2CJ	1212508.911485	2304963.188143	26-06-2019 10:14:20	0.000000	0.000000	0.046483	786.5	30.7	-2.713	0	0.192
BasinCreek062619_02	BC2CJ	1212545.261587	2305096.635834	26-06-2019 10:20:03	0.000000	0.000000	0.036120	786.4	32.3	0	0	0.15
BasinCreek062619_03	BC2CJ	1212672.862419	2305070.732514	26-06-2019 10:25:04	0.000000	0.001202	0.051909	787.4	33.3	0	0.005	0.216
BasinCreek062619_04	BC2CJ	1212727.763846	2304980.509875	26-06-2019 10:27:59	0.000000	0.001916	0.939081	785.8	33.8	-0.002	0.008	3.922
BasinCreek062619_05	BC2CJ	1212758.144723	2305079.583402	26-06-2019 10:33:50	0.000000	0.001669	0.064846	784.7	34.7	0	0.007	0.272
BasinCreek062619_06	BC2CJ	1212919.107898	2304845.295197	26-06-2019 10:39:33	0.000000	0.001427	0.152737	785.1	35.5	-4.25	0.006	0.642
BasinCreek062619_07	BC2CJ	1212967.179719	2304856.888804	26-06-2019 10:42:25	10.773230	0.000474	2.065333	782.8	35.9	45.475	0.002	8.718
BasinCreek062619_08	BC2CJ	1213012.355465	2304842.159362	26-06-2019 10:48:56	2.421929	0.002598	1.379944	782.9	36.9	10.255	0.011	5.843
BasinCreek062619_09	BC2CJ	1213045.110543	2304822.819944	26-06-2019 10:52:03	0.000000	0.000000	0.344614	782.9	37.5	-0.001	-0.002	1.462
BasinCreek062619_10	BC2CJ	1213132.254901	2304699.947273	26-06-2019 10:58:31	0.000000	0.001174	0.693211	782.2	38.5	-0.909	0.005	2.953
BasinCreek062619_11	BC2CJ	1213151.535634	2304745.760052	26-06-2019 11:02:52	0.000000	0.001168	0.480889	780.6	39.3	-1.123	0.005	2.058
BasinCreek062619_12	BC2CJ	1213403.067538	2304771.101839	26-06-2019 11:09:19	0.000000	0.002100	0.155131	781.3	40.1	-2.743	0.009	0.665

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek062619_13	BC2CJ	1213424.001086	2304784.911317	26-06-2019 11:11:21	0.000000	0.000000	0.089893	782.5	40.3	-0.702	0	0.385
BasinCreek062619_14	BC2CJ	1213464.711794	2304712.463818	26-06-2019 11:14:19	0.000000	0.000000	0.104303	782.5	40.5	-1.788	-0.003	0.447
BasinCreek062619_15	BC2CJ	1213564.595364	2304740.227396	26-06-2019 11:18:58	0.000000	0.000000	0.075919	781.7	40.8	-0.997	-0.001	0.326
BasinCreek062619_16	BC2CJ	1213793.446659	2304954.146433	26-06-2019 11:24:21	0.000000	0.000931	0.048421	782.4	41.2	0	0.004	0.208
BasinCreek062619_17	BC2CJ	1213786.590123	2305079.239197	26-06-2019 11:27:17	0.000000	0.000465	0.055609	782.5	41.4	-0.113	0.002	0.239
BasinCreek062619_18	BC2CJ	1213666.054658	2305024.654966	26-06-2019 11:29:54	0.000000	0.000233	0.000000	783.6	41.5	-0.556	0.001	-0.494
BasinCreek062619_19	BC2CJ	1213553.323826	2305004.974286	26-06-2019 11:33:31	0.000000	0.000000	0.172400	783.2	41.7	-1.269	-0.008	0.741
BasinCreek062619_20	BC2CJ	1213605.24049	2305078.868904	26-06-2019 11:36:25	0.000000	0.000930	0.590616	783.0	41.8	-0.658	0.004	2.54
BasinCreek062619_21	BC2CJ	1213642.885336	2305057.304345	26-06-2019 11:39:34	672.489900	0.002559	69.687550	783.4	41.8	2890.631	0.011	299.545
BasinCreek062619_22	BC2CJ	1213666.796457	2305110.415639	26-06-2019 11:42:10	0.000000	0.000000	0.083699	783.4	42.0	-0.523	0	0.36
BasinCreek062619_23	BC2CJ	1213771.32093	2305299.093106	26-06-2019 11:45:16	0.000000	0.000000	0.035823	784.3	42.2	0	-0.01	0.154
BasinCreek062619_24	BC2CJ	1213635.93348	2305383.24986	26-06-2019 11:49:07	0.000000	0.003024	0.010004	784.9	42.4	0	0.013	0.043
BasinCreek062619_25	BC2CJ	1213512.68647	2305513.627887	26-06-2019 11:52:27	0.000000	0.001398	0.245538	786.2	42.5	-1.146	0.006	1.054
BasinCreek062619_26	BC2CJ	1213384.634588	2305569.932202	26-06-2019 11:57:36	22.635060	0.002097	4.075414	787.0	42.8	97.157	0.009	17.493
BasinCreek062619_27	BC2CJ	1213332.654167	2305364.037022	26-06-2019 12:04:08	19.153660	0.002561	3.541784	787.4	43.2	82.276	0.011	15.214
BasinCreek062619_28	BC2CJ	1213334.802547	2305320.932203	26-06-2019 12:06:55	8.128329	0.001161	2.299520	785.8	43.3	34.998	0.005	9.901
BasinCreek062619_29	BC2CJ	1213361.240921	2305183.150808	26-06-2019 12:10:04	0.000000	0.000000	0.190094	785.8	43.5	-1.615	-0.015	0.819
BasinCreek062619_30	BC2CJ	1213402.233014	2304959.915956	26-06-2019 12:14:59	0.000000	0.002318	0.021325	785.5	43.8	-4.679	0.01	0.092
BasinCreek062619_31	BC2CJ	1213604.349793	2305731.366473	26-06-2019 12:25:16	0.000000	0.003009	0.110420	785.2	44.1	0	0.013	0.477
BasinCreek062619_32	BC2CJ	1213533.103621	2305842.284954	26-06-2019 12:29:53	0.000000	0.002093	0.000000	789.0	44.1	-1.249	0.009	-3.566
BasinCreek062619_33	BC2CJ	1213490.101456	2305710.403302	26-06-2019 12:34:46	0.000000	0.000931	0.048661	789.5	44.0	-2.453	0.004	0.209
BasinCreek062619_34	BC2CJ	1213430.654811	2305714.860188	26-06-2019 12:37:25	0.000000	0.000000	0.150905	788.2	43.9	-0.997	-0.003	0.649
BasinCreek062619_35	BC2CJ	1213343.976878	2305754.67129	26-06-2019 12:40:04	0.000000	0.000000	0.434155	788.1	44.0	-1.463	-0.007	1.868
BasinCreek062619_36	BC2CJ	1213318.778388	2305975.712124	26-06-2019 12:44:29	0.000000	0.001627	0.041365	788.5	44.2	-0.939	0.007	0.178
BasinCreek062619_37	BC2CJ	1213272.340113	2305801.861277	26-06-2019 12:48:42	0.000000	0.001395	0.248364	789.3	44.3	-0.187	0.006	1.068
BasinCreek062619_38	BC2CJ	1213186.07661	2305849.697444	26-06-2019 12:52:19	0.000000	0.001626	0.129856	788.7	44.4	0	0.007	0.559

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek062619_39	BC2CJ	1213158.045415	2305757.987597	26-06-2019 12:55:10	0.000000	0.000000	0.000000	788.7	44.4	0	-0.005	-1.144
BasinCreek062619_40	BC2CJ	1213183.435577	2305596.407962	26-06-2019 12:59:04	1.479690	0.000928	1.404766	787.8	44.5	6.379	0.004	6.056
BasinCreek062619_41	BC2CJ	1213191.50436	2305539.529298	26-06-2019 13:02:52	1.225232	0.001394	0.689382	788.6	44.4	5.275	0.006	2.968
BasinCreek062619_42	BC2CJ	1213164.258606	2305443.839363	26-06-2019 13:06:45	0.000000	0.000000	0.000000	788.6	44.3	-0.652	-0.004	-0.154
BasinCreek062619_43	BC2CJ	1213098.037689	2305258.067491	26-06-2019 13:12:21	0.000000	0.000000	0.000000	788.1	44.3	-0.06	-0.018	-0.589
BasinCreek062619_44	BC2CJ	1213186.017596	2305079.857369	26-06-2019 13:23:28	0.000000	0.000930	0.000000	788.6	44.0	-2.466	0.004	-0.338
BasinCreek062619_45	BC2CJ	1213223.355556	2305014.699056	26-06-2019 13:26:27	0.000000	0.000000	0.004180	787.4	44.0	-0.688	-0.001	0.018
BasinCreek062619_46	BC2CJ	1212970.534609	2305812.721359	26-06-2019 13:36:35	0.000000	0.001391	0.063529	786.7	44.2	-1.153	0.006	0.274
BasinCreek062619_47	BC2CJ	1212985.34476	2305646.766023	26-06-2019 13:40:59	0.000000	0.002096	0.017004	790.1	44.1	-0.705	0.009	0.073
BasinCreek062619_48	BC2CJ	1212841.551251	2305669.776971	26-06-2019 13:47:52	0.000000	0.000000	0.000000	790.8	44.0	-0.351	0	-0.077
BasinCreek062619_49	BC2CJ	1212832.173066	2305610.243246	26-06-2019 13:54:29	0.000000	0.000935	0.017758	791.8	43.8	-0.33	0.004	0.076
BasinCreek062619_50	BC2CJ	1212851.691778	2305541.252137	26-06-2019 13:57:11	1.392322	0.000000	1.179035	791.4	43.7	5.96	-0.003	5.047
BasinCreek062619_51	BC2CJ	1212799.545733	2305524.90255	26-06-2019 14:01:14	4.215076	0.000000	0.167042	791.2	43.6	18.042	0	0.715
BasinCreek062619_52	BC2CJ	1212913.267933	2305366.020709	26-06-2019 14:05:13	0.000000	0.000233	0.000000	790.5	43.6	-0.221	0.001	-0.522
BasinCreek062619_53	BC2CJ	1212786.725994	2305335.381297	26-06-2019 14:11:36	8.493764	0.000700	1.226621	790.0	43.7	36.423	0.003	5.26
BasinCreek062719_100	BC2CJ	1213628.322773	2306116.009003	27-06-2019 12:59:42	0.000000	0.000000	0.055209	793.5	44.1	-1.989	-0.007	0.236
BasinCreek062719_101	BC2CJ	1212233.612853	2304777.312804	27-06-2019 13:36:02	0.000000	0.000000	0.539447	793.3	44.3	0	-0.006	2.308
BasinCreek062719_102	BC2CJ	1212333.679425	2304555.52681	27-06-2019 13:42:38	0.000000	0.000000	0.198981	788.3	44.4	0	-0.002	0.857
BasinCreek062719_103	BC2CJ	1212391.854227	2304481.743359	27-06-2019 13:46:13	0.000000	0.000000	1.238489	786.6	44.6	-0.138	-0.013	5.349
BasinCreek062719_104	BC2CJ	1212400.135658	2304435.922273	27-06-2019 13:51:21	0.000000	0.002546	0.553557	786.7	44.8	0	0.011	2.392
BasinCreek062719_105	BC2CJ	1212315.62224	2304139.612042	27-06-2019 13:59:56	0.000000	0.000000	0.071923	787.4	45.3	-0.359	0	0.311
BasinCreek062719_106	BC2CJ	1212203.020733	2304240.778281	27-06-2019 14:04:13	0.000000	0.000000	0.074316	788.5	45.4	-0.119	-0.011	0.321
BasinCreek062719_107	BC2CJ	1212179.008688	2304340.700652	27-06-2019 14:11:36	0.000000	0.000000	0.044532	790.2	45.5	-0.112	-0.002	0.192
BasinCreek062719_108	BC2CJ	1212042.952104	2304382.276865	27-06-2019 14:17:38	0.000000	0.000000	0.176450	790.2	45.6	-0.05	-0.006	0.761
BasinCreek062719_109	BC2CJ	1212008.135421	2304291.73655	27-06-2019 14:20:47	0.000000	0.000000	0.129117	790.0	45.6	0	-0.005	0.557
BasinCreek062719_110	BC2CJ	1211740.234459	2304410.444109	27-06-2019 14:26:19	0.000000	0.000000	0.000000	791.0	45.7	-0.068	-0.007	-0.054

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek062719_111	BC2CJ	1211666.38968	2304368.239205	27-06-2019 14:29:12	0.000000	0.000000	0.006524	794.1	45.6	-0.882	-0.005	0.028
BasinCreek062719_112	BC2CJ	1211678.848751	2304216.463466	27-06-2019 14:33:02	0.000000	0.000000	0.000000	795.1	45.6	-0.072	-0.007	-1.011
BasinCreek062719_113	BC2CJ	1211495.666398	2304175.780701	27-06-2019 14:36:46	0.000000	0.000000	0.059876	794.0	45.6	0	-0.006	0.257
BasinCreek062719_114	BC2CJ	1211371.635897	2304196.715081	27-06-2019 14:39:48	0.000000	0.000000	0.070071	796.0	45.6	0	-0.016	0.3
BasinCreek062719_115	BC2CJ	1211355.571139	2304492.156013	27-06-2019 14:45:42	0.000000	0.000000	0.000000	797.9	45.7	0	-0.009	-0.259
BasinCreek062719_116	BC2CJ	1211325.031991	2304601.342551	27-06-2019 14:50:57	0.000000	0.000000	0.051625	796.6	45.8	-0.562	-0.002	0.221
BasinCreek062719_117	BC2CJ	1211172.235147	2304733.72414	27-06-2019 14:58:26	0.000000	0.000000	0.066816	794.9	46.2	-0.151	-0.012	0.287
BasinCreek062719_118	BC2CJ	1211237.517443	2304836.906696	27-06-2019 15:01:35	0.000000	0.000000	0.027872	793.3	46.3	0	-0.013	0.12
BasinCreek062719_119	BC2CJ	1211263.259842	2304990.564632	27-06-2019 15:05:06	0.000000	0.000000	0.035302	793.5	46.4	-0.073	-0.011	0.152
BasinCreek062719_120	BC2CJ	1211385.090353	2305032.574721	27-06-2019 15:07:45	0.000000	0.000000	0.100226	792.9	46.5	0	-0.011	0.432
BasinCreek062719_121	BC2CJ	1211424.300334	2304779.404712	27-06-2019 15:11:36	0.000000	0.000000	0.206611	792.5	46.5	0	-0.012	0.891
BasinCreek062719_122	BC2CJ	1211526.403012	2304721.819474	27-06-2019 15:14:37	0.000000	0.000000	0.277983	791.7	46.5	-0.044	-0.003	1.2
BasinCreek062719_123	BC2CJ	1211571.095846	2304679.974152	27-06-2019 15:17:28	0.000000	0.000000	0.283755	791.0	46.5	0	-0.006	1.226
BasinCreek062719_124	BC2CJ	1211747.426046	2304598.346904	27-06-2019 15:25:37	0.000000	0.000000	0.046530	791.4	46.6	-0.001	-0.007	0.201
BasinCreek062719_125	BC2CJ	1211954.892782	2304600.92056	27-06-2019 15:30:24	0.000000	0.000000	0.019199	791.3	46.8	-0.002	-0.014	0.083
BasinCreek062719_126	BC2CJ	1212126.652345	2304584.025764	27-06-2019 15:33:08	0.000000	0.000000	0.055788	788.6	46.8	-0.679	-0.031	0.242
BasinCreek062719_127	BC2CJ	1211755.2016	2305033.688743	27-06-2019 15:39:09	0.000000	0.000000	0.066940	787.4	47.0	-0.177	-0.037	0.291
BasinCreek062719_128	BC2CJ	1211759.437027	2305130.540012	27-06-2019 15:41:16	0.000000	0.000000	0.067212	790.6	47.0	-0.376	-0.036	0.291
BasinCreek062719_129	BC2CJ	1211589.61986	2304996.739865	27-06-2019 15:44:09	0.000000	0.000000	0.063764	790.8	47.0	-0.577	-0.027	0.276
BasinCreek062719_54	BC2CJ	1212360.414949	2305273.37712	27-06-2019 09:20:21	0.000000	0.000000	0.122869	792.8	29.2	-0.001	-0.002	0.501
BasinCreek062719_55	BC2CJ	1212540.743054	2305414.680358	27-06-2019 09:24:56	0.000000	0.000000	0.038407	792.9	30.0	-0.284	-0.001	0.157
BasinCreek062719_56	BC2CJ	1212527.519673	2305534.027735	27-06-2019 09:28:03	0.000000	0.000000	0.104057	790.9	30.4	-0.001	0	0.427
BasinCreek062719_57	BC2CJ	1212439.82006	2305567.140903	27-06-2019 09:30:54	0.000000	0.000000	0.101827	791.4	30.7	0	-0.003	0.418
BasinCreek062719_58	BC2CJ	1212564.211915	2305794.300152	27-06-2019 09:35:35	0.000000	0.000000	0.217088	792.2	31.3	-0.001	-0.001	0.892
BasinCreek062719_59	BC2CJ	1212159.040032	2305569.347111	27-06-2019 09:45:30	0.000000	0.000000	0.052953	793.8	32.5	0	0	0.218
BasinCreek062719_60	BC2CJ	1212321.455737	2305792.419336	27-06-2019 09:50:25	0.000000	0.000000	0.081302	794.4	33.0	-0.633	-0.001	0.335

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek062719_61	BC2CJ	1212327.488032	2305926.975802	27-06-2019 09:53:19	0.000000	0.000000	0.143616	794.6	33.2	0	-0.001	0.592
BasinCreek062719_62	BC2CJ	1212443.309243	2306060.22332	27-06-2019 09:58:23	0.000000	0.000000	0.109108	795.2	33.6	-0.708	-0.001	0.45
BasinCreek062719_63	BC2CJ	1212798.17018	2306021.371333	27-06-2019 10:08:17	0.000000	0.000000	0.166510	797.5	34.6	0	-0.001	0.687
BasinCreek062719_64	BC2CJ	1212918.947352	2306047.371131	27-06-2019 10:11:28	0.000000	0.000000	0.364852	794.5	34.8	0	0	1.512
BasinCreek062719_65	BC2CJ	1212999.552444	2306138.912074	27-06-2019 10:14:49	0.000000	0.000000	0.024815	794.0	35.1	-0.704	-0.001	0.103
BasinCreek062719_66	BC2CJ	1213302.173403	2306121.69733	27-06-2019 10:21:15	0.000000	0.000000	0.046720	795.5	35.8	0	-0.002	0.194
BasinCreek062719_67	BC2CJ	1213220.191457	2306182.235567	27-06-2019 10:25:20	0.000000	0.000000	0.042658	792.9	36.3	-0.001	-0.004	0.178
BasinCreek062719_68	BC2CJ	1213172.658608	2306319.038722	27-06-2019 10:29:04	0.000000	0.000000	0.007661	793.4	36.8	0	-0.002	0.032
BasinCreek062719_69	BC2CJ	1213299.286039	2306520.196189	27-06-2019 10:36:52	0.000000	0.000000	0.047324	794.1	37.6	-0.12	-0.003	0.198
BasinCreek062719_70	BC2CJ	1213367.44021	2306403.200017	27-06-2019 10:40:53	0.000000	0.000000	0.109322	795.3	37.8	-0.004	0	0.457
BasinCreek062719_71	BC2CJ	1213580.814322	2306415.295495	27-06-2019 10:49:00	0.000000	0.000000	0.113091	795.0	38.5	0	-0.001	0.474
BasinCreek062719_72	BC2CJ	1213610.66014	2306540.1089	27-06-2019 10:53:29	0.000000	0.000000	0.057001	792.4	38.9	-0.001	-0.001	0.24
BasinCreek062719_73	BC2CJ	1213684.705417	2306622.946786	27-06-2019 10:57:00	0.000000	0.000000	0.038913	792.4	39.2	-0.175	-0.002	0.164
BasinCreek062719_74	BC2CJ	1213968.981257	2306588.319545	27-06-2019 11:04:59	0.000000	0.000000	0.163777	791.9	39.8	-0.001	-0.001	0.692
BasinCreek062719_75	BC2CJ	1213961.241665	2306698.086527	27-06-2019 11:08:27	0.000000	0.000000	0.105411	789.8	40.1	0	-0.001	0.447
BasinCreek062719_76	BC2CJ	1214088.811756	2306790.971285	27-06-2019 11:13:55	0.000000	0.000000	0.000000	790.1	40.7	-0.002	-0.002	-0.05
BasinCreek062719_77	BC2CJ	1214231.65668	2306881.302574	27-06-2019 11:19:44	0.000000	0.000000	0.068344	789.1	41.1	0	0	0.291
BasinCreek062719_78	BC2CJ	1214354.16377	2307031.949512	27-06-2019 11:24:30	0.000000	0.000000	0.247727	788.2	41.4	-0.004	-0.002	1.057
BasinCreek062719_79	BC2CJ	1214375.030912	2307112.843617	27-06-2019 11:27:52	0.000000	0.000000	0.129281	787.9	41.5	-0.012	-0.001	0.552
BasinCreek062719_80	BC2CJ	1214415.023744	2306935.885736	27-06-2019 11:32:13	0.000000	0.000000	0.081847	787.2	41.7	-0.006	-0.002	0.35
BasinCreek062719_81	BC2CJ	1214421.813582	2306786.415374	27-06-2019 11:37:32	0.000000	0.000000	0.052736	786.5	42.1	-0.049	-0.001	0.226
BasinCreek062719_82	BC2CJ	1214497.979528	2306732.537276	27-06-2019 11:40:48	0.000000	0.000000	0.044107	787.1	42.3	-0.107	-0.003	0.189
BasinCreek062719_83	BC2CJ	1214520.687765	2306827.659462	27-06-2019 11:45:29	0.000000	0.000000	0.084438	787.7	42.7	-0.237	-0.001	0.362
BasinCreek062719_84	BC2CJ	1214613.961099	2306869.705329	27-06-2019 11:48:38	0.000000	0.000000	0.061194	786.0	42.8	0	-0.002	0.263
BasinCreek062719_85	BC2CJ	1214642.646708	2307050.193638	27-06-2019 11:52:21	0.000000	0.000000	0.177750	785.4	43.0	0	-0.001	0.765
BasinCreek062719_86	BC2CJ	1214727.267609	2306911.552066	27-06-2019 11:56:46	0.000000	0.000000	0.268147	785.0	43.1	-0.001	-0.002	1.155

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek062719_87	BC2CJ	1214772.939405	2306799.600788	27-06-2019 12:01:49	0.000000	0.000000	0.770093	784.8	43.3	-0.285	-0.008	3.32
BasinCreek062719_88	BC2CJ	1214935.243189	2306743.442463	27-06-2019 12:06:03	0.000000	0.000000	0.159305	786.2	43.5	-0.052	-0.003	0.686
BasinCreek062719_89	BC2CJ	1214971.643679	2306601.142419	27-06-2019 12:09:33	0.000000	0.000000	0.208086	785.0	43.7	0	-0.003	0.898
BasinCreek062719_90	BC2CJ	1214843.350375	2306575.752481	27-06-2019 12:13:20	0.000000	0.000000	0.048155	784.8	43.9	-0.439	-0.003	0.208
BasinCreek062719_91	BC2CJ	1214566.714401	2306532.997106	27-06-2019 12:19:56	0.000000	0.000000	0.066985	786.2	44.1	-0.232	-0.003	0.289
BasinCreek062719_92	BC2CJ	1214542.928771	2306368.573597	27-06-2019 12:23:49	0.000000	0.000000	0.160965	789.0	44.1	0	-0.001	0.692
BasinCreek062719_93	BC2CJ	1214428.849495	2306364.179816	27-06-2019 12:26:35	0.000000	0.000000	0.069792	789.1	44.1	-0.102	-0.005	0.3
BasinCreek062719_94	BC2CJ	1214466.316894	2306534.726628	27-06-2019 12:30:54	0.000000	0.000000	0.077072	789.8	44.1	0	-0.005	0.331
BasinCreek062719_95	BC2CJ	1214245.006846	2306598.140055	27-06-2019 12:36:00	0.000000	0.000000	0.008149	789.5	44.0	0	-0.003	0.035
BasinCreek062719_96	BC2CJ	1214106.3122	2306424.581391	27-06-2019 12:40:10	0.000000	0.000000	0.027703	789.4	44.0	0	-0.004	0.119
BasinCreek062719_97	BC2CJ	1213984.455647	2306431.946063	27-06-2019 12:43:44	0.000000	0.000000	0.012609	791.8	44.0	-0.019	-0.001	0.054
BasinCreek062719_98	BC2CJ	1213824.350931	2306409.514221	27-06-2019 12:50:13	0.000000	0.000000	0.039011	792.1	44.0	-0.162	-0.002	0.167
BasinCreek062719_99	BC2CJ	1213700.799921	2306182.455527	27-06-2019 12:55:36	0.000000	0.000000	0.014482	792.3	44.1	-0.102	-0.001	0.062
CarbonJunction062819_01	BC2CJ	1214198.697774	2310177.86296	28-06-2019 09:28:09	0.000000	0.000000	0.081062	813.1	28.0	-0.009	-0.004	0.321
CarbonJunction062819_02	BC2CJ	1214312.755403	2310113.311975	28-06-2019 09:32:10	0.000000	0.000000	0.164125	813.2	29.0	0	-0.003	0.652
CarbonJunction062819_03	BC2CJ	1214506.68387	2310077.021223	28-06-2019 09:38:41	0.597765	0.001501	0.395425	812.8	30.8	2.39	0.006	1.581
CarbonJunction062819_04	BC2CJ	1214521.395871	2310104.54705	28-06-2019 09:41:44	58.279150	0.007731	1.146460	812.6	31.6	233.684	0.031	4.597
CarbonJunction062819_05	BC2CJ	1214554.602981	2310106.52227	28-06-2019 09:44:36	0.506767	0.000000	0.392328	813.0	32.5	2.037	0	1.577
CarbonJunction062819_06	BC2CJ	1214593.180754	2310146.064218	28-06-2019 09:47:48	0.259525	0.000000	0.186332	813.2	33.4	1.046	0	0.751
CarbonJunction062819_07	BC2CJ	1214777.957199	2310171.104855	28-06-2019 09:51:40	0.640014	0.000000	0.290938	813.5	34.4	2.587	0	1.176
CarbonJunction062819_08	BC2CJ	1214884.717387	2310197.134977	28-06-2019 09:55:01	0.000000	0.000000	0.526702	813.2	35.3	-0.92	0	2.136
CarbonJunction062819_09	BC2CJ	1214902.012706	2310181.256112	28-06-2019 09:57:38	0.000000	0.001477	0.082711	813.4	35.9	0	0.006	0.336
CarbonJunction062819_10	BC2CJ	1214936.465448	2310178.904128	28-06-2019 10:04:19	0.747877	0.000980	0.232471	813.1	37.3	3.053	0.004	0.949
CarbonJunction062819_11	BC2CJ	1215232.358139	2310279.245049	28-06-2019 10:07:51	0.000000	0.000000	0.117525	813.1	38.1	0	0	0.481
CarbonJunction062819_12	BC2CJ	1215193.732002	2310302.489367	28-06-2019 10:10:41	0.000000	0.000000	0.330965	813.2	38.7	0	-0.007	1.357
CarbonJunction062819_13	BC2CJ	1215181.826423	2310314.633891	28-06-2019 10:13:40	0.000000	0.000000	0.211466	813.6	39.2	-0.565	-0.002	0.868

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction062819_14	BC2CJ	1215165.333502	2310325.395105	28-06-2019 10:16:29	0.000000	0.000000	0.188553	813.8	39.7	-0.001	-0.002	0.775
CarbonJunction062819_15	BC2CJ	1215148.079026	2310327.507651	28-06-2019 10:18:50	0.000000	0.000000	0.127598	814.0	40.1	-0.001	-0.006	0.525
CarbonJunction062819_16	BC2CJ	1214983.614467	2310351.172374	28-06-2019 10:29:53	0.000000	0.000000	0.435121	814.2	41.7	0	-0.001	1.799
CarbonJunction062819_17	BC2CJ	1214971.261597	2310345.532819	28-06-2019 10:32:31	0.000000	0.000000	0.355979	814.6	41.9	0	-0.001	1.472
CarbonJunction062819_18	BC2CJ	1214963.205195	2310356.721741	28-06-2019 10:36:46	5.414198	0.002417	0.438976	814.5	42.0	22.398	0.01	1.816
CarbonJunction062819_19	BC2CJ	1214943.042587	2310355.077195	28-06-2019 10:39:48	49.956970	0.002657	1.681422	814.3	42.2	206.849	0.011	6.962
CarbonJunction062819_20	BC2CJ	1214899.732222	2310341.856149	28-06-2019 10:43:41	2.425578	0.003136	0.564296	814.2	42.5	10.054	0.013	2.339
CarbonJunction062819_21	BC2CJ	1214907.38941	2310354.083275	28-06-2019 10:47:17	15.591090	0.006990	0.884129	814.5	42.9	64.683	0.029	3.668
CarbonJunction062819_22	BC2CJ	1214823.816259	2310286.494846	28-06-2019 10:55:12	0.000000	0.000000	0.443104	814.3	43.8	-0.085	-0.003	1.844
CarbonJunction062819_23	BC2CJ	1214643.047138	2310330.716659	28-06-2019 11:00:48	1.667010	0.004078	0.705181	814.1	44.3	6.95	0.017	2.94
CarbonJunction062819_24	BC2CJ	1214480.134111	2310335.163979	28-06-2019 11:04:04	0.000000	0.000000	0.422363	814.1	44.5	-0.235	-0.011	1.762
CarbonJunction062819_25	BC2CJ	1214226.712982	2310310.090224	28-06-2019 11:08:31	0.000000	0.000000	0.096247	813.9	44.8	-0.001	-0.001	0.402
CarbonJunction062819_26	BC2CJ	1215409.150104	2310607.75452	28-06-2019 11:37:16	0.000000	0.000000	0.162739	813.9	45.4	0	-0.014	0.681
CarbonJunction062819_27	BC2CJ	1215214.88704	2310584.619303	28-06-2019 11:40:09	0.000000	0.000000	0.180196	813.7	45.3	0	-0.004	0.754
CarbonJunction062819_28	BC2CJ	1215173.925752	2310684.77083	28-06-2019 11:43:17	0.428078	0.001912	0.519621	813.8	45.3	1.791	0.008	2.174
CarbonJunction062819_29	BC2CJ	1215034.880775	2310681.233839	28-06-2019 11:46:46	0.000000	0.000000	0.028659	813.4	45.4	-0.026	-0.003	0.12
CarbonJunction062819_30	BC2CJ	1214959.743432	2310608.070675	28-06-2019 11:50:04	0.000000	0.000000	0.269330	813.0	45.6	0	-0.005	1.129
CarbonJunction062819_31	BC2CJ	1214794.610963	2310546.664453	28-06-2019 11:56:17	0.000000	0.000000	0.014316	813.4	45.7	-0.191	-0.002	0.06
CarbonJunction062819_32	BC2CJ	1214612.599114	2310553.689204	28-06-2019 11:59:44	0.000000	0.000000	0.148959	813.8	45.7	-0.002	-0.006	0.624
CarbonJunction062819_33	BC2CJ	1214390.59015	2310562.99617	28-06-2019 12:04:05	0.000000	0.000000	0.552933	813.8	45.8	-0.059	-0.002	2.317
CarbonJunction062819_34	BC2CJ	1214254.970293	2310588.883934	28-06-2019 12:07:13	0.000000	0.000000	0.168481	813.8	45.8	0	-0.001	0.706
CarbonJunction062819_35	BC2CJ	1214200.645287	2310656.038377	28-06-2019 12:10:20	0.000000	0.000000	0.068981	813.7	45.7	0	-0.008	0.289
CarbonJunction062819_36	BC2CJ	1214380.118302	2310694.089953	28-06-2019 12:13:55	0.000000	0.000000	0.061747	813.0	45.8	0	-0.002	0.259
CarbonJunction062819_37	BC2CJ	1214542.989812	2310745.634117	28-06-2019 12:16:44	0.000000	0.000000	0.009533	812.7	45.8	0	-0.004	0.04
CarbonJunction062819_38	BC2CJ	1214754.299943	2310741.135642	28-06-2019 12:19:51	0.000000	0.000000	0.054568	812.6	45.8	-0.027	-0.006	0.229
CarbonJunction062819_39	BC2CJ	1214764.864231	2310865.297661	28-06-2019 12:22:26	0.000000	0.000000	0.106231	812.5	45.9	0	-0.002	0.446

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction062819_40	BC2CJ	1214759.449346	2311303.084839	28-06-2019 12:27:43	0.000000	0.000000	0.001904	812.3	46.1	0	-0.005	0.008
CarbonJunction062819_41	BC2CJ	1214809.498957	2311172.932983	28-06-2019 12:30:38	0.000000	0.000000	0.099772	811.1	46.2	-0.09	-0.006	0.42
CarbonJunction062819_42	BC2CJ	1214963.78795	2311128.650652	28-06-2019 12:33:53	0.000000	0.001425	0.040616	811.5	46.4	-0.085	0.006	0.171
CarbonJunction062819_43	BC2CJ	1214953.402815	2310988.037563	28-06-2019 12:36:35	0.000000	0.000000	0.066747	811.8	46.5	0	-0.006	0.281
CarbonJunction062819_44	BC2CJ	1215137.122881	2310927.197856	28-06-2019 12:39:40	0.000000	0.000000	0.212552	811.9	46.6	-0.094	-0.002	0.895
CarbonJunction062819_45	BC2CJ	1215363.28705	2310806.661434	28-06-2019 12:43:27	0.000000	0.000000	0.140682	811.8	46.9	0	-0.009	0.593
CarbonJunction062819_46	BC2CJ	1215583.364808	2310671.161523	28-06-2019 12:48:46	0.000000	0.000000	0.010195	812.1	47.2	-0.002	-0.003	0.043
CarbonJunction062819_47	BC2CJ	1215900.649286	2310912.641439	28-06-2019 13:13:03	0.000000	0.000000	0.063028	811.3	48.3	0	-0.003	0.267
CarbonJunction062819_48	BC2CJ	1215772.306584	2310902.687478	28-06-2019 13:15:44	0.000000	0.000000	0.081917	811.1	48.2	0	-0.007	0.347
CarbonJunction062819_49	BC2CJ	1215567.221539	2310891.309614	28-06-2019 13:19:18	0.000000	0.000000	0.007088	811.5	48.1	-0.001	-0.008	0.03
CarbonJunction062819_50	BC2CJ	1215731.808404	2310692.207199	28-06-2019 13:23:15	0.000000	0.000000	0.000000	810.7	48.0	-0.287	-0.013	-0.775
CarbonJunction062819_51	BC2CJ	1215937.754602	2310785.786854	28-06-2019 13:28:21	0.000000	0.000000	0.072025	810.6	47.9	0	-0.007	0.305
CarbonJunction062819_52	BC2CJ	1216210.474526	2310940.140991	28-06-2019 13:33:03	0.000000	0.000000	0.085649	811.9	47.8	-0.102	-0.003	0.362
CarbonJunction062819_53	BC2CJ	1215420.766771	2311094.710089	28-06-2019 13:42:06	0.000000	0.000000	0.083619	811.6	47.3	-0.687	-0.016	0.353
CarbonJunction062819_54	BC2CJ	1215191.143759	2311223.48767	28-06-2019 13:45:57	0.000000	0.000000	0.077163	810.2	47.0	-0.231	-0.003	0.326
CarbonJunction062819_55	BC2CJ	1215028.642924	2311370.701553	28-06-2019 13:49:02	0.000000	0.000000	0.064638	810.2	46.9	0	-0.005	0.273
CarbonJunction062819_56	BC2CJ	1215405.88355	2311187.025259	28-06-2019 13:53:55	0.000000	0.000000	0.013260	810.0	46.8	-0.158	-0.004	0.056
CarbonJunction062819_57	BC2CJ	1215429.276281	2311377.050233	28-06-2019 13:57:48	0.000000	0.000000	0.049457	809.5	46.8	0	-0.005	0.209
CarbonJunction062819_58	BC2CJ	1215530.044158	2311352.576668	28-06-2019 14:01:00	0.000000	0.000000	0.010642	808.7	46.7	0	-0.012	0.045
CarbonJunction062819_59	BC2CJ	1215610.029173	2311456.122742	28-06-2019 14:04:28	0.000000	0.000000	0.231543	808.3	46.5	0	-0.004	0.979
CarbonJunction062819_60	BC2CJ	1215652.73974	2311698.457021	28-06-2019 14:10:22	0.000000	0.000000	0.000000	807.3	46.5	0	-0.011	0
CarbonJunction062819_61	BC2CJ	1215749.691025	2311686.859172	28-06-2019 14:13:05	0.000000	0.000000	0.000000	804.9	46.4	-0.142	-0.007	-0.15
CarbonJunction062819_62	BC2CJ	1215777.928285	2311607.982168	28-06-2019 14:15:43	0.000000	0.000000	0.036752	804.9	46.4	-0.214	-0.006	0.156
CarbonJunction062819_63	BC2CJ	1215797.322796	2311373.055177	28-06-2019 14:20:39	0.000000	0.000000	0.050614	804.8	46.6	0	-0.004	0.215
CarbonJunction062819_64	BC2CJ	1215652.779377	2311174.004714	28-06-2019 14:25:29	0.000000	0.000000	0.135184	806.8	46.7	0	-0.007	0.573
CarbonJunction062819_65	BC2CJ	1215785.15031	2311185.053629	28-06-2019 14:28:12	0.000000	0.000000	0.036170	808.7	46.8	0	-0.009	0.153

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction062819_66	BC2CJ	1215995.382784	2311249.717923	28-06-2019 14:32:13	0.000000	0.000000	0.736371	808.4	46.9	0	-0.005	3.117
CarbonJunction062819_67	BC2CJ	1216196.991074	2311229.888285	28-06-2019 14:37:29	0.000000	0.000000	0.135502	808.3	47.1	-0.242	-0.008	0.574
CarbonJunction062819_68	BC2CJ	1216322.809877	2311320.591063	28-06-2019 14:40:34	0.000000	0.000000	0.021741	809.4	47.2	-0.258	-0.027	0.092
CarbonJunction062819_69	BC2CJ	1216411.561057	2311424.771321	28-06-2019 14:43:54	0.000000	0.000000	0.025501	809.0	47.3	-0.53	-0.045	0.108
CarbonJunction062819_70	BC2CJ	1216367.765351	2311494.552927	28-06-2019 14:49:17	3.377183	0.004246	2.792145	809.0	47.6	14.316	0.018	11.836
CarbonJunction070119_100	BC2CJ	1217329.677285	2312654.367236	01-07-2019 11:52:50	0.000000	0.001657	0.036216	799.1	42.6	-0.439	0.007	0.153
CarbonJunction070119_101	BC2CJ	1217396.823783	2312797.306922	01-07-2019 11:55:58	0.000000	0.000237	0.038322	799.1	42.8	0	0.001	0.162
CarbonJunction070119_102	BC2CJ	1217547.449595	2312839.22977	01-07-2019 11:58:47	0.000000	0.000000	0.228239	798.9	43.1	0	-0.001	0.966
CarbonJunction070119_103	BC2CJ	1217532.963185	2312950.486668	01-07-2019 12:01:38	0.000000	0.000000	0.055253	798.9	43.3	0	-0.002	0.234
CarbonJunction070119_104	BC2CJ	1217681.29746	2312938.473289	01-07-2019 12:04:26	0.000000	0.000000	0.437941	798.6	43.4	-0.369	-0.003	1.856
CarbonJunction070119_105	BC2CJ	1217762.619345	2312849.753306	01-07-2019 12:07:53	0.000000	0.001179	0.158996	798.9	43.6	-0.148	0.005	0.674
CarbonJunction070119_106	BC2CJ	1217774.50836	2313113.973227	01-07-2019 12:11:26	0.000000	0.000000	0.240641	798.7	43.8	-0.523	-0.003	1.021
CarbonJunction070119_107	BC2CJ	1217643.486088	2313149.981356	01-07-2019 12:14:16	0.000000	0.000942	0.193134	798.4	43.9	0	0.004	0.82
CarbonJunction070119_108	BC2CJ	1217648.332214	2313254.148289	01-07-2019 12:17:52	2.163779	0.000941	0.584538	798.2	44.1	9.195	0.004	2.484
CarbonJunction070119_109	BC2CJ	1217520.28255	2313206.3916	01-07-2019 12:21:01	0.000000	0.001411	0.260572	798.2	44.3	-0.493	0.006	1.108
CarbonJunction070119_110	BC2CJ	1217529.576746	2313302.388406	01-07-2019 12:23:29	0.000000	0.001175	0.283205	798.2	44.5	-0.001	0.005	1.205
CarbonJunction070119_111	BC2CJ	1217618.22346	2313360.137213	01-07-2019 12:26:06	0.000000	0.001879	0.108507	797.9	44.6	0	0.008	0.462
CarbonJunction070119_112	BC2CJ	1217703.819776	2313308.332062	01-07-2019 12:28:52	0.000000	0.003050	0.127856	797.5	44.8	0	0.013	0.545
CarbonJunction070119_113	BC2CJ	1217774.018534	2313264.037395	01-07-2019 12:31:26	0.000000	0.001642	0.132506	797.5	44.9	-0.555	0.007	0.565
CarbonJunction070119_114	BC2CJ	1217886.605213	2313247.073835	01-07-2019 12:34:06	0.000000	0.001876	0.113722	797.6	45.0	0	0.008	0.485
CarbonJunction070119_115	BC2CJ	1218031.948383	2313241.962433	01-07-2019 12:36:37	0.000000	0.000000	0.000000	797.6	45.2	0	-0.005	-0.019
CarbonJunction070119_116	BC2CJ	1218036.391611	2312998.983632	01-07-2019 12:40:51	0.000000	0.002810	0.200671	797.5	45.4	0	0.012	0.857
CarbonJunction070119_117	BC2CJ	1218030.054405	2312808.139887	01-07-2019 12:43:40	0.000000	0.002108	0.391298	797.8	45.5	0	0.009	1.671
CarbonJunction070119_118	BC2CJ	1218031.810875	2312672.778615	01-07-2019 12:46:54	0.000000	0.002107	0.124555	797.9	45.6	0	0.009	0.532
CarbonJunction070119_119	BC2CJ	1217801.856581	2312573.470933	01-07-2019 12:53:39	7.003657	0.000000	1.053150	798.9	45.7	29.886	-0.002	4.494
CarbonJunction070119_120	BC2CJ	1217888.419831	2312538.237414	01-07-2019 12:57:50	0.000000	0.001644	0.455919	800.5	45.6	0	0.007	1.941

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction070119_121	BC2CJ	1218012.678421	2312510.04149	01-07-2019 13:03:10	0.000000	0.000000	0.266833	800.7	45.4	0	-0.003	1.135
CarbonJunction070119_122	BC2CJ	1217966.328261	2312431.953816	01-07-2019 13:07:44	0.000000	0.000000	0.055071	801.3	45.3	0	-0.007	0.234
CarbonJunction070119_123	BC2CJ	1217826.538071	2312456.531905	01-07-2019 13:12:44	0.000000	0.001176	0.158464	800.5	45.3	0	0.005	0.674
CarbonJunction070119_124	BC2CJ	1217650.812145	2312423.420654	01-07-2019 13:16:43	0.000000	0.000706	0.296609	801.5	45.3	0	0.003	1.26
CarbonJunction070119_125	BC2CJ	1217635.579585	2312394.360306	01-07-2019 13:20:11	0.000000	0.000000	0.057453	801.7	45.3	0	0	0.244
CarbonJunction070119_126	BC2CJ	1217562.265997	2312402.671451	01-07-2019 13:26:49	0.000000	0.000706	0.301533	801.7	45.4	0	0.003	1.281
CarbonJunction070119_127	BC2CJ	1217563.993814	2312401.894371	01-07-2019 13:30:50	0.000000	0.000000	0.005180	801.7	45.3	0	-0.005	0.022
CarbonJunction070119_128	BC2CJ	1217503.56233	2312189.906758	01-07-2019 13:38:54	0.000000	0.004002	0.032486	801.5	45.3	0	0.017	0.138
CarbonJunction070119_129	BC2CJ	1217383.324848	2312237.533073	01-07-2019 13:43:40	0.000000	0.000235	0.004938	800.9	45.4	0	0.001	0.021
CarbonJunction070119_130	BC2CJ	1217374.121666	2312299.177595	01-07-2019 13:50:29	0.317108	0.003063	0.393205	802.9	45.6	1.346	0.013	1.669
CarbonJunction070119_131	BC2CJ	1217393.898312	2312322.92621	01-07-2019 13:55:13	0.000000	0.001881	0.034089	801.7	45.8	-0.001	0.008	0.145
CarbonJunction070119_71	BC2CJ	1216003.903824	2311381.364036	01-07-2019 10:07:47	0.000000	0.000000	0.247784	805.3	29.0	0	-0.004	0.994
CarbonJunction070119_72	BC2CJ	1216126.693405	2311421.802784	01-07-2019 10:12:27	3.864435	0.000000	1.062943	805.3	30.2	15.564	-0.002	4.281
CarbonJunction070119_73	BC2CJ	1216181.824348	2311498.916244	01-07-2019 10:16:05	0.000000	0.000000	0.190034	805.7	31.0	0	-0.001	0.767
CarbonJunction070119_74	BC2CJ	1215935.404993	2311567.125592	01-07-2019 10:22:25	0.000000	0.000000	0.071457	804.7	32.3	0	0	0.29
CarbonJunction070119_75	BC2CJ	1216062.030984	2311653.976498	01-07-2019 10:25:25	0.000000	0.000000	0.066001	802.6	32.8	-0.305	0	0.269
CarbonJunction070119_76	BC2CJ	1216177.484028	2311738.222245	01-07-2019 10:28:04	0.000000	0.000000	0.103805	801.9	33.2	0	-0.002	0.424
CarbonJunction070119_77	BC2CJ	1216273.319725	2311794.855219	01-07-2019 10:30:48	0.000000	0.000000	0.052291	801.4	33.6	0	-0.003	0.214
CarbonJunction070119_78	BC2CJ	1215977.768629	2311763.371184	01-07-2019 10:34:05	0.000000	0.000000	0.055131	801.1	34.0	0	-0.006	0.226
CarbonJunction070119_79	BC2CJ	1216044.902646	2311938.505716	01-07-2019 10:37:40	0.000000	0.002680	0.068937	801.0	34.4	-1	0.011	0.283
CarbonJunction070119_80	BC2CJ	1216185.571417	2311921.063467	01-07-2019 10:41:02	0.000000	0.002675	0.067106	800.8	34.9	0	0.011	0.276
CarbonJunction070119_81	BC2CJ	1216365.328132	2312113.908459	01-07-2019 10:44:44	0.000000	0.001456	0.041496	800.8	35.5	0	0.006	0.171
CarbonJunction070119_82	BC2CJ	1216401.881563	2312002.862257	01-07-2019 10:47:37	0.000000	0.001696	0.038759	800.7	36.0	-0.001	0.007	0.16
CarbonJunction070119_83	BC2CJ	1216522.851653	2312015.814928	01-07-2019 10:51:01	0.000000	0.000483	0.041096	800.6	36.6	-0.706	0.002	0.17
CarbonJunction070119_84	BC2CJ	1216543.318083	2312152.706769	01-07-2019 10:55:52	0.000000	0.000965	0.044155	801.4	37.5	-2.46	0.004	0.183
CarbonJunction070119_85	BC2CJ	1216562.935846	2312350.370562	01-07-2019 10:58:48	0.000000	0.002405	0.036552	800.0	38.0	0	0.01	0.152

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction070119_86	BC2CJ	1216755.151251	2312332.437509	01-07-2019 11:01:49	0.000000	0.003121	0.054020	800.0	38.5	0	0.013	0.225
CarbonJunction070119_87	BC2CJ	1216738.010894	2312178.800948	01-07-2019 11:04:40	0.000000	0.000719	0.110011	799.9	39.0	-0.001	0.003	0.459
CarbonJunction070119_88	BC2CJ	1216734.84649	2312051.605945	01-07-2019 11:08:30	0.000000	0.000000	0.133440	799.9	39.7	-0.001	-0.001	0.558
CarbonJunction070119_89	BC2CJ	1216729.510751	2312033.659274	01-07-2019 11:11:39	0.773397	0.000239	0.341500	801.2	40.2	3.234	0.001	1.428
CarbonJunction070119_90	BC2CJ	1216722.593347	2312022.238162	01-07-2019 11:14:44	0.677629	0.000717	0.296179	801.5	40.7	2.837	0.003	1.24
CarbonJunction070119_91	BC2CJ	1216746.979122	2311982.026795	01-07-2019 11:18:08	0.000000	0.000000	0.114468	801.5	41.2	0	-0.001	0.48
CarbonJunction070119_92	BC2CJ	1217131.205997	2312221.534723	01-07-2019 11:26:20	0.000000	0.000000	0.035248	802.5	42.0	-0.001	-0.002	0.148
CarbonJunction070119_93	BC2CJ	1217089.513636	2312195.658351	01-07-2019 11:29:14	0.000000	0.000000	0.072874	802.7	42.1	-0.194	-0.003	0.306
CarbonJunction070119_94	BC2CJ	1216998.146499	2312225.832872	01-07-2019 11:33:20	0.000000	0.000000	0.048073	802.4	42.2	0	0	0.202
CarbonJunction070119_95	BC2CJ	1216993.27493	2312361.578274	01-07-2019 11:37:06	0.000000	0.000000	0.045121	800.7	42.2	0	-0.003	0.19
CarbonJunction070119_96	BC2CJ	1216918.739161	2312508.045631	01-07-2019 11:39:54	0.000000	0.001186	0.072587	799.8	42.2	0	0.005	0.306
CarbonJunction070119_97	BC2CJ	1217126.212451	2312482.237469	01-07-2019 11:43:09	0.000000	0.000474	0.040558	799.7	42.2	-0.01	0.002	0.171
CarbonJunction070119_98	BC2CJ	1217148.062895	2312530.85443	01-07-2019 11:45:34	0.000000	0.001897	0.039363	799.5	42.2	-0.141	0.008	0.166
CarbonJunction070119_99	BC2CJ	1217203.730103	2312751.908033	01-07-2019 11:49:31	0.000000	0.001185	0.000000	799.5	42.4	0	0.005	-0.045
CarbonJunction070319_132	BC2CJ	1216195.31844	2311338.442329	03-07-2019 08:55:55	0.000000	0.000000	0.424933	804.5	27.7	-0.129	-0.008	1.699
CarbonJunction070319_133	BC2CJ	1216210.950179	2311371.018915	03-07-2019 09:00:10	20.407340	0.000000	5.269670	804.6	28.5	81.801	-0.002	21.123
CarbonJunction070319_134	BC2CJ	1216267.979883	2311435.848	03-07-2019 09:04:30	35.781090	0.000249	1.454876	804.5	29.2	143.776	0.001	5.846
CarbonJunction070319_135	BC2CJ	1216542.643403	2311705.380034	03-07-2019 09:12:31	16.741030	0.000248	3.525027	804.3	30.1	67.486	0.001	14.21
CarbonJunction070319_136	BC2CJ	1216643.677626	2311766.798977	03-07-2019 09:16:03	0.000000	0.000000	0.180879	803.9	30.3	-0.216	0	0.73
CarbonJunction070319_137	BC2CJ	1216669.962639	2311816.371795	03-07-2019 09:18:49	0.000000	0.000000	0.578727	803.7	30.4	0	0	2.337
CarbonJunction070319_138	BC2CJ	1216733.312523	2311807.42661	03-07-2019 09:23:36	45.124840	0.000495	0.572897	803.0	30.6	182.501	0.002	2.317
CarbonJunction070319_139	BC2CJ	1216755.206901	2311808.285505	03-07-2019 09:27:00	67.716470	0.000741	0.644919	803.0	30.8	274.05	0.003	2.61
CarbonJunction070319_140	BC2CJ	1216750.698426	2311828.506613	03-07-2019 09:30:11	42.210950	0.015815	0.344219	803.3	30.9	170.821	0.064	1.393
CarbonJunction070319_141	BC2CJ	1216784.557088	2311846.616028	03-07-2019 09:33:19	24.220600	0.000000	0.220484	802.9	31.0	98.098	-0.005	0.893
CarbonJunction070319_142	BC2CJ	1216851.183029	2311874.927377	03-07-2019 09:48:02	7.932332	0.000246	0.447978	803.5	32.0	32.209	0.001	1.819
CarbonJunction070319_143	BC2CJ	1216877.675663	2311879.520055	03-07-2019 09:52:52	0.000000	0.000246	0.000000	803.4	32.7	-0.031	0.001	-0.12

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction070319_144	BC2CJ	1216884.368521	2311870.5638	03-07-2019 09:55:00	0.000000	0.000491	0.149493	803.5	33.0	-0.507	0.002	0.609
CarbonJunction070319_145	BC2CJ	1216900.30645	2311953.839778	03-07-2019 10:01:39	46.542110	0.010272	1.145833	803.7	34.2	190.298	0.042	4.685
CarbonJunction070319_146	BC2CJ	1217010.07174	2311869.384593	03-07-2019 10:09:04	0.000000	0.000487	0.045997	802.6	35.3	-0.244	0.002	0.189
CarbonJunction070319_147	BC2CJ	1217164.591407	2311878.884031	03-07-2019 10:12:59	0.000000	0.000243	0.000000	802.6	35.8	0	0.001	-0.01
CarbonJunction070319_148	BC2CJ	1217218.991812	2311797.393253	03-07-2019 10:16:20	0.000000	0.000484	0.024463	801.1	36.2	0	0.002	0.101
CarbonJunction070319_149	BC2CJ	1216971.960673	2311826.96865	03-07-2019 10:21:37	0.000000	0.000724	0.073609	800.3	37.0	0	0.003	0.305
CarbonJunction070319_150	BC2CJ	1216893.563148	2311710.062599	03-07-2019 10:26:26	0.000000	0.000483	0.021483	802.5	37.8	-0.06	0.002	0.089
CarbonJunction070319_151	BC2CJ	1216794.517779	2311684.981154	03-07-2019 10:30:49	0.000000	0.000000	0.013004	802.7	38.6	0	-0.003	0.054
CarbonJunction070319_152	BC2CJ	1216644.407353	2311654.307572	03-07-2019 10:34:40	0.000000	0.000000	0.000000	803.3	39.2	0	-0.003	-0.042
CarbonJunction070319_153	BC2CJ	1216552.340504	2311565.762864	03-07-2019 10:37:46	0.000000	0.000000	0.038752	804.6	39.5	-0.001	-0.002	0.161
Federal070319_01	Fed	1219736.193055	2320126.182993	03-07-2019 11:30:33	0.000000	0.000000	0.047944	790.2	36.7	0	-0.003	0.201
Federal070319_02	Fed	1219768.590554	2320129.386384	03-07-2019 11:34:03	0.000000	0.000000	0.045302	789.8	38.3	0	-0.003	0.191
Federal070319_03	Fed	1219823.321658	2320136.409019	03-07-2019 11:36:41	0.000000	0.000000	0.000000	789.6	39.1	0	-0.003	-0.088
Federal070319_04	Fed	1219876.73015	2320131.733155	03-07-2019 11:39:02	0.000000	0.000000	0.000000	789.5	39.7	0	-0.004	-0.031
Federal070319_05	Fed	1219920.204783	2320124.316328	03-07-2019 11:41:20	0.000000	0.000000	0.000000	789.3	40.2	0	-0.002	-0.051
Federal070319_06	Fed	1219910.415547	2320097.516692	03-07-2019 11:43:33	0.000000	0.002116	0.087949	789.1	40.7	0	0.009	0.374
Federal070319_07	Fed	1219914.383656	2320044.40052	03-07-2019 11:45:57	0.000000	0.000000	0.012217	789.4	41.1	-0.312	-0.002	0.052
Federal070319_08	Fed	1219910.390293	2319990.595636	03-07-2019 11:48:17	0.000000	0.000000	0.019713	789.5	41.5	-0.979	-0.002	0.084
Federal070319_09	Fed	1219910.399218	2319932.97296	03-07-2019 11:51:33	0.000000	0.000937	0.009840	789.4	42.0	0	0.004	0.042
Federal070319_10	Fed	1219871.839563	2319957.330932	03-07-2019 11:54:01	0.000000	0.000000	0.004915	789.3	42.3	0	-0.002	0.021
Federal070319_11	Fed	1219874.36112	2319990.825029	03-07-2019 11:56:14	0.000000	0.000234	0.022673	789.1	42.6	0	0.001	0.097
Federal070319_12	Fed	1219866.251691	2320032.216979	03-07-2019 11:58:24	0.000000	0.001168	0.036684	789.3	42.8	0	0.005	0.157
Federal070319_13	Fed	1219868.100073	2320099.271554	03-07-2019 12:00:43	0.000000	0.000000	0.026166	789.7	43.0	0	-0.002	0.112
Federal070319_14	Fed	1219827.182326	2320095.459904	03-07-2019 12:02:58	0.000000	0.000000	0.009569	789.4	43.2	0	0	0.041
Federal070319_15	Fed	1219825.957941	2320022.382452	03-07-2019 12:05:31	0.000000	0.000000	0.021462	789.3	43.3	0	-0.004	0.092
Federal070319_16	Fed	1219813.561374	2319987.016388	03-07-2019 12:07:46	0.000000	0.000000	0.047097	789.1	43.4	0	-0.002	0.202

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
Federal070319_17	Fed	1219813.066749	2319934.602061	03-07-2019 12:10:01	0.000000	0.000000	0.031707	789.3	43.5	-0.016	0	0.136
Federal070319_18	Fed	1219769.869707	2319945.948568	03-07-2019 12:12:25	0.000000	0.000000	0.036580	789.3	43.7	-0.062	-0.002	0.157
Federal070319_19	Fed	1219709.289804	2319928.026246	03-07-2019 12:14:51	0.000000	0.000000	0.016306	789.4	43.8	-0.064	-0.004	0.07
Federal070319_20	Fed	1219714.812295	2319981.174524	03-07-2019 12:17:31	0.000000	0.000000	0.013733	789.3	44.0	-0.036	-0.003	0.059
Federal070319_21	Fed	1219780.131287	2319998.326755	03-07-2019 12:19:48	0.000000	0.000000	0.009073	789.1	44.1	0	-0.002	0.039
Federal070319_22	Fed	1219777.906362	2320044.772341	03-07-2019 12:21:57	0.000000	0.000698	0.038141	789.1	44.2	0	0.003	0.164
Federal070319_23	Fed	1219710.099882	2320041.300099	03-07-2019 12:24:23	0.000000	0.000000	0.062075	789.1	44.3	-0.002	-0.003	0.267
Federal070319_24	Fed	1219758.985912	2320078.045431	03-07-2019 12:26:44	0.000000	0.000000	0.040906	789.1	44.4	-0.041	-0.003	0.176
Federal070319_25	Fed	1219723.728615	2320084.315424	03-07-2019 12:29:13	0.000000	0.000000	0.006970	789.1	44.5	0	-0.005	0.03
FloridaRiver070819_01	FR	1234979.590681	2331967.103493	08-07-2019 09:07:59	0.000000	0.000983	0.817421	790.3	27.7	0	0.004	3.327
FloridaRiver070819_02	FR	1234906.756814	2331991.315064	08-07-2019 09:10:33	0.000000	0.001473	0.005892	790.5	28.0	0	0.006	0.024
FloridaRiver070819_03	FR	1235011.669881	2332022.407656	08-07-2019 09:13:08	0.000000	0.000981	0.128967	790.5	28.4	0	0.004	0.526
FloridaRiver070819_04	FR	1235165.937844	2332041.809116	08-07-2019 09:16:41	0.000000	0.002447	1.395023	790.5	29.0	-0.09	0.01	5.701
FloridaRiver070819_05	FR	1235183.341999	2332110.797748	08-07-2019 09:19:31	0.000000	0.000977	0.282670	790.3	29.4	0	0.004	1.157
FloridaRiver070819_06	FR	1235340.102171	2332117.784663	08-07-2019 09:24:01	0.000000	0.001219	0.330094	790.7	30.2	0	0.005	1.354
FloridaRiver070819_07	FR	1235575.753867	2332283.375258	08-07-2019 09:28:19	0.000000	0.001702	0.330098	790.2	30.9	0	0.007	1.358
FloridaRiver070819_08	FR	1235561.460887	2332246.986189	08-07-2019 09:30:34	0.000000	0.000729	0.123642	790.7	31.3	0	0.003	0.509
FloridaRiver070819_09	FR	1235809.139141	2332322.627578	08-07-2019 09:34:56	0.000000	0.001696	0.664074	790.7	32.1	0	0.007	2.741
FloridaRiver070819_10	FR	1235572.408012	2332336.027469	08-07-2019 09:38:48	0.000000	0.001934	0.413047	790.6	32.8	0	0.008	1.709
FloridaRiver070819_11	FR	1235570.531323	2332373.144544	08-07-2019 09:41:01	0.000000	0.000724	0.043453	790.7	33.2	0	0.003	0.18
FloridaRiver070819_12	FR	1235545.241204	2332375.66232	08-07-2019 09:43:20	0.000000	0.002894	1.524183	790.7	33.5	0	0.012	6.32
FloridaRiver070819_13	FR	1235512.411868	2332398.098716	08-07-2019 09:46:20	3.994562	0.000723	0.000000	790.7	33.9	16.585	0.003	-0.066
FloridaRiver070819_14	FR	1235519.357822	2332455.404598	08-07-2019 09:49:07	0.000000	0.002888	0.127088	790.7	34.1	0	0.012	0.528
FloridaRiver070819_15	FR	1235557.918032	2332458.684272	08-07-2019 09:52:33	0.724749	0.000000	1.640006	790.7	34.3	3.013	0	6.818
FloridaRiver070819_16	FR	1235397.745236	2332488.087018	08-07-2019 09:57:05	0.000000	0.002403	0.373148	790.6	34.6	-3.061	0.01	1.553
FloridaRiver070819_17	FR	1235345.787077	2332513.266997	08-07-2019 09:59:33	0.000000	0.001442	0.723951	790.6	34.6	-0.189	0.006	3.013

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver070819_18	FR	1235328.257702	2332489.004259	08-07-2019 10:02:32	0.000000	0.000000	1.232454	790.6	34.7	0	0	5.131
FloridaRiver070819_19	FR	1235331.588795	2332474.025056	08-07-2019 10:04:39	0.000000	0.000480	1.896944	790.9	34.8	0	0.002	7.897
FloridaRiver070819_20	FR	1235137.151047	2332534.991197	08-07-2019 10:07:51	0.000000	0.001439	0.594198	790.6	35.1	0	0.006	2.477
FloridaRiver070819_21	FR	1235145.719216	2332378.496183	08-07-2019 10:10:31	0.000000	0.000959	0.254272	790.6	35.4	0	0.004	1.061
FloridaRiver070819_22	FR	1234952.078409	2332131.63764	08-07-2019 10:16:08	0.000000	0.000000	0.148823	790.6	35.9	-0.505	-0.003	0.622
FloridaRiver070819_23	FR	1234926.80537	2332324.407269	08-07-2019 10:19:01	0.000000	0.001674	0.116470	790.5	36.0	0	0.007	0.487
FloridaRiver070819_24	FR	1235513.770323	2332612.771459	08-07-2019 10:45:26	0.000000	0.000000	0.342459	790.6	36.7	0	-0.004	1.435
FloridaRiver070819_25	FR	1235529.094915	2332740.56672	08-07-2019 10:49:37	0.000000	0.001670	0.063929	790.5	36.8	0	0.007	0.268
FloridaRiver070819_26	FR	1235425.036657	2332815.12905	08-07-2019 10:58:29	0.000000	0.000000	0.217542	789.0	36.9	0	-0.002	0.914
FloridaRiver070819_27	FR	1235538.906537	2332961.908808	08-07-2019 11:02:48	0.000000	0.001428	0.244692	788.8	36.8	0	0.006	1.028
FloridaRiver070819_28	FR	1235525.066878	2333113.670542	08-07-2019 11:06:27	0.000000	0.002375	0.322544	787.1	36.8	0	0.01	1.358
FloridaRiver070819_29	FR	1235673.862667	2332833.953147	08-07-2019 11:11:39	0.425232	0.001426	2.216959	788.2	37.0	1.789	0.006	9.327
FloridaRiver070819_30	FR	1235707.834814	2332821.237423	08-07-2019 11:14:00	0.000000	0.000475	1.701545	787.2	37.1	0	0.002	7.17
FloridaRiver070819_31	FR	1235732.511658	2332796.114222	08-07-2019 11:18:26	1.770991	0.000000	0.714610	787.5	37.4	7.467	-0.003	3.013
FloridaRiver070819_32	FR	1235726.898749	2332753.997096	08-07-2019 11:21:17	0.000000	0.001658	0.121301	787.4	37.7	0	0.007	0.512
FloridaRiver070819_33	FR	1235786.35532	2332742.953338	08-07-2019 11:23:38	0.000000	0.000237	0.087229	788.3	37.9	0	0.001	0.368
FloridaRiver070819_34	FR	1235912.407071	2332849.301993	08-07-2019 11:27:27	0.000000	0.000947	0.012552	788.4	38.2	0	0.004	0.053
FloridaRiver070819_35	FR	1235756.480314	2332949.108661	08-07-2019 11:31:30	0.000000	0.000236	0.172033	787.4	38.5	0	0.001	0.728
FloridaRiver070819_36	FR	1235828.789938	2333115.93197	08-07-2019 11:34:59	0.000000	0.001415	0.038450	786.0	38.5	0	0.006	0.163
FloridaRiver070819_37	FR	1235959.753558	2333057.053848	08-07-2019 11:38:11	0.000000	0.002120	0.229905	784.9	38.5	0	0.009	0.976
FloridaRiver070819_38	FR	1235930.745777	2333185.114186	08-07-2019 11:41:20	0.000000	0.000000	0.336977	785.2	38.5	0	-0.002	1.43
FloridaRiver070819_59	FR	1235188.387314	2331794.36106	08-07-2019 13:39:50	0.000000	0.000950	0.362935	788.4	37.3	0	0.004	1.528
FloridaRiver070819_60	FR	1235294.002195	2331789.593102	08-07-2019 13:43:27	0.000000	0.000000	0.131901	788.7	37.8	0	-0.001	0.556
FloridaRiver070819_61	FR	1235332.777645	2331790.088851	08-07-2019 13:45:47	10.018390	0.000000	3.418922	787.5	38.0	42.322	0	14.443
FloridaRiver070819_62	FR	1235333.871412	2331779.351483	08-07-2019 13:48:02	0.000000	0.000237	0.487246	787.5	38.1	0	0.001	2.059
FloridaRiver070819_63	FR	1235319.473185	2331775.747152	08-07-2019 13:50:20	1.502768	0.000947	0.819068	787.8	38.2	6.35	0.004	3.461

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver070819_64	FR	1235354.769639	2331807.552328	08-07-2019 13:52:53	0.000000	0.000946	0.850692	787.5	38.2	0	0.004	3.596
FloridaRiver070819_65	FR	1235400.791624	2331832.909657	08-07-2019 13:55:41	0.000000	0.000945	0.404614	787.0	38.3	0	0.004	1.712
FloridaRiver070819_66	FR	1235366.44215	2331907.164159	08-07-2019 13:58:42	0.000000	0.002124	0.460983	786.5	38.5	0	0.009	1.953
FloridaRiver070819_67	FR	1235395.633853	2331952.987423	08-07-2019 14:01:27	0.000000	0.002124	0.248012	786.8	38.7	0	0.009	1.051
FloridaRiver070819_68	FR	1235543.717829	2331924.005398	08-07-2019 14:04:47	0.000000	0.003773	0.221426	787.0	39.0	0	0.016	0.939
FloridaRiver070819_69	FR	1235563.918973	2331825.549379	08-07-2019 14:07:54	0.000000	0.001648	0.170164	786.5	39.4	0	0.007	0.723
FloridaRiver070819_70	FR	1235570.095433	2331728.58571	08-07-2019 14:10:37	0.000000	0.002115	0.093300	786.1	39.7	0	0.009	0.397
FloridaRiver070819_71	FR	1235376.358317	2331596.279487	08-07-2019 14:17:39	0.000000	0.001173	0.077641	786.1	40.3	0	0.005	0.331
FloridaRiver070819_72	FR	1235220.749424	2331689.419151	08-07-2019 14:22:35	0.000000	0.001175	1.596053	787.8	40.5	0	0.005	6.794
FloridaRiver070819_73	FR	1235234.157432	2331656.820567	08-07-2019 14:24:49	0.000000	0.001175	1.576250	788.0	40.5	0	0.005	6.708
FloridaRiver070819_74	FR	1235203.037883	2331589.407894	08-07-2019 14:29:18	0.000000	0.000000	0.820683	787.9	40.5	0	-0.002	3.493
FloridaRiver070819_75	FR	1235169.485965	2331564.116668	08-07-2019 14:34:45	0.000000	0.002113	0.290487	787.5	40.5	0	0.009	1.237
FloridaRiver070819_76	FR	1235170.791263	2331524.495026	08-07-2019 14:38:43	0.000000	0.000000	0.665521	786.4	40.5	0	-0.001	2.838
FloridaRiver070819_77	FR	1235333.803141	2331446.001852	08-07-2019 14:41:44	0.000000	0.000703	0.100304	785.9	40.5	0	0.003	0.428
FloridaRiver070819_78	FR	1234995.845568	2331421.72552	08-07-2019 14:45:21	0.000000	0.001874	0.081061	785.9	40.6	0	0.008	0.346
FloridaRiver070819_79	FR	1234787.638947	2331443.048196	08-07-2019 14:48:50	0.000000	0.003280	0.114343	786.0	40.6	0	0.014	0.488
FloridaRiver070819_80	FR	1234743.184173	2331566.700206	08-07-2019 14:51:32	0.000000	0.002811	0.159045	786.0	40.7	-0.01	0.012	0.679
FloridaRiver070819_81	FR	1234549.586209	2331381.724545	08-07-2019 14:54:46	0.000000	0.001172	0.034443	786.5	40.8	0	0.005	0.147
FloridaRiver070819_82	FR	1234879.405559	2331785.014952	08-07-2019 14:59:30	0.000000	0.000000	0.000000	786.5	41.2	-0.028	-0.004	-0.027
FloridaRiver070819_83	FR	1234878.197026	2331829.950072	08-07-2019 15:01:47	0.000000	0.002110	0.139944	788.1	41.3	-0.157	0.009	0.597
FloridaRiver070819_84	FR	1234952.866331	2331828.954266	08-07-2019 15:07:26	0.000000	0.000469	0.140350	788.5	41.6	-0.167	0.002	0.599
FloridaRiver070919_100	FR	1234501.807767	2330981.179956	09-07-2019 09:57:43	0.000000	0.000000	0.146127	789.3	33.0	0	0	0.606
FloridaRiver070919_101	FR	1234422.445853	2330815.461022	09-07-2019 10:01:09	0.000000	0.001686	0.137525	789.4	33.4	-0.326	0.007	0.571
FloridaRiver070919_102	FR	1234564.374337	2330747.873966	09-07-2019 10:04:31	0.000000	0.000000	0.281484	789.3	33.7	0	-0.001	1.17
FloridaRiver070919_103	FR	1234787.192014	2330758.943637	09-07-2019 10:08:06	0.000000	0.000960	0.089804	788.8	34.1	0	0.004	0.374
FloridaRiver070919_104	FR	1234753.894743	2330579.784438	09-07-2019 10:11:15	0.000000	0.001678	0.110001	788.3	34.5	-0.144	0.007	0.459

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver070919_105	FR	1234603.695888	2330587.242839	09-07-2019 10:14:13	0.000000	0.000239	0.097395	787.9	34.8	0	0.001	0.407
FloridaRiver070919_106	FR	1234469.170837	2330545.399993	09-07-2019 10:17:57	0.000000	0.000478	0.217364	788.6	35.3	-0.996	0.002	0.909
FloridaRiver070919_107	FR	1234401.930511	2330398.10497	09-07-2019 10:21:32	0.000000	0.000716	0.090954	788.3	35.7	-0.15	0.003	0.381
FloridaRiver070919_108	FR	1234533.873188	2330355.05825	09-07-2019 10:25:29	0.000000	0.002383	0.181103	787.9	36.1	0	0.01	0.76
FloridaRiver070919_109	FR	1234548.421106	2330319.088018	09-07-2019 10:28:18	0.279434	0.000714	0.154236	787.5	36.3	1.174	0.003	0.648
FloridaRiver070919_110	FR	1234587.51891	2330383.356578	09-07-2019 10:31:28	0.000000	0.000713	0.209635	787.4	36.7	0	0.003	0.882
FloridaRiver070919_111	FR	1234463.059671	2330351.546595	09-07-2019 10:35:22	0.000000	0.000949	0.061954	787.9	37.3	0	0.004	0.261
FloridaRiver070919_112	FR	1234761.60402	2330366.088281	09-07-2019 10:44:01	0.000000	0.000000	0.228006	787.6	38.3	-0.334	-0.001	0.964
FloridaRiver070919_113	FR	1234786.327602	2330168.715948	09-07-2019 10:48:36	0.000000	0.001416	0.059477	787.2	38.8	0	0.006	0.252
FloridaRiver070919_114	FR	1234531.137756	2330162.228399	09-07-2019 10:57:01	0.000000	0.002116	0.109815	785.8	39.4	0	0.009	0.467
FloridaRiver070919_115	FR	1234521.37724	2330189.360583	09-07-2019 10:59:17	0.000000	0.000235	0.106369	786.4	39.4	0	0.001	0.452
FloridaRiver070919_116	FR	1234472.960746	2330126.707002	09-07-2019 11:02:02	0.000000	0.001646	0.107241	786.4	39.6	0	0.007	0.456
FloridaRiver070919_117	FR	1234378.733639	2330174.065519	09-07-2019 11:06:50	0.000000	0.003994	0.081294	786.4	39.9	0	0.017	0.346
FloridaRiver070919_118	FR	1234301.189374	2329948.330889	09-07-2019 11:11:08	0.000000	0.002584	0.150341	787.0	40.2	0	0.011	0.64
FloridaRiver070919_119	FR	1234255.323486	2329881.358256	09-07-2019 11:14:44	0.000000	0.002814	0.199588	786.5	40.5	0	0.012	0.851
FloridaRiver070919_120	FR	1234352.368477	2329874.938832	09-07-2019 11:17:25	0.000000	0.000000	0.237325	786.4	40.8	0	0	1.013
FloridaRiver070919_121	FR	1234377.691357	2329924.994144	09-07-2019 11:19:57	0.000000	0.000000	0.195633	786.0	41.0	0	-0.001	0.836
FloridaRiver070919_122	FR	1234467.647284	2329939.905165	09-07-2019 11:23:00	0.000000	0.001169	0.144902	786.0	41.4	-0.037	0.005	0.62
FloridaRiver070919_123	FR	1234543.613186	2329950.473326	09-07-2019 11:26:34	0.000000	0.002101	0.089404	785.8	41.7	-0.244	0.009	0.383
FloridaRiver070919_124	FR	1234584.437802	2330001.952533	09-07-2019 11:29:16	0.000000	0.001631	0.112554	785.2	42.0	-0.236	0.007	0.483
FloridaRiver070919_125	FR	1234538.003206	2329876.468867	09-07-2019 11:32:57	0.000000	0.001630	0.024678	785.2	42.3	-0.361	0.007	0.106
FloridaRiver070919_126	FR	1234486.29138	2329863.854993	09-07-2019 11:35:44	0.000000	0.003256	0.123729	784.9	42.5	-0.728	0.014	0.532
FloridaRiver070919_127	FR	1234358.762021	2329778.787113	09-07-2019 11:39:18	0.000000	0.000000	0.168520	785.2	42.8	0	-0.011	0.725
FloridaRiver070919_128	FR	1234351.81847	2329604.845403	09-07-2019 11:44:16	0.000000	0.000000	0.077824	785.5	43.1	0	0	0.335
FloridaRiver070919_129	FR	1234121.990493	2329728.336136	09-07-2019 11:49:01	0.000000	0.000000	0.060811	785.8	43.5	0	-0.003	0.262
FloridaRiver070919_130	FR	1234097.240822	2329621.385248	09-07-2019 11:52:03	0.000000	0.002555	0.213495	787.0	43.7	0	0.011	0.919

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver070919_131	FR	1233990.465377	2329598.51705	09-07-2019 11:55:04	0.000000	0.002091	0.223760	787.4	43.8	0	0.009	0.963
FloridaRiver070919_132	FR	1233905.8204	2329453.253445	09-07-2019 11:59:20	0.000000	0.000698	0.094403	788.2	43.9	0	0.003	0.406
FloridaRiver070919_133	FR	1233973.139052	2329328.753756	09-07-2019 12:03:19	0.000000	0.001859	0.165471	788.3	44.1	0	0.008	0.712
FloridaRiver070919_134	FR	1233986.453849	2329339.147819	09-07-2019 12:05:44	0.000000	0.000697	0.305648	787.8	44.1	0	0.003	1.316
FloridaRiver070919_135	FR	1234029.580864	2329389.287283	09-07-2019 12:08:39	0.000000	0.000232	0.263759	787.8	44.2	-0.034	0.001	1.136
FloridaRiver070919_136	FR	1234080.711928	2329398.956786	09-07-2019 12:11:03	0.000000	0.002321	0.185187	787.4	44.2	-0.052	0.01	0.798
FloridaRiver070919_137	FR	1234116.437735	2329376.505893	09-07-2019 12:13:41	0.000000	0.000000	0.096044	787.4	44.3	-0.015	-0.003	0.414
FloridaRiver070919_138	FR	1234084.613241	2329260.52852	09-07-2019 12:16:45	0.000000	0.000000	0.089707	787.0	44.4	-0.152	-0.002	0.387
FloridaRiver070919_139	FR	1234003.180408	2329130.909831	09-07-2019 12:21:16	0.000000	0.000000	0.092436	787.3	44.7	-0.49	-0.001	0.399
FloridaRiver070919_140	FR	1233927.755404	2329017.78839	09-07-2019 12:26:14	0.000000	0.001158	0.065538	787.5	44.9	-1.903	0.005	0.283
FloridaRiver070919_141	FR	1233686.672061	2329007.151754	09-07-2019 12:32:46	0.000000	0.000231	0.000925	786.9	45.1	-0.095	0.001	0.004
FloridaRiver070919_142	FR	1233542.000225	2328851.269779	09-07-2019 12:36:54	0.000000	0.000000	0.014541	785.6	45.2	-0.18	-0.003	0.063
FloridaRiver070919_143	FR	1233685.752393	2328793.154168	09-07-2019 12:41:05	0.000000	0.000231	0.187224	784.8	45.2	-0.162	0.001	0.812
FloridaRiver070919_144	FR	1233708.258352	2328730.540671	09-07-2019 12:43:57	19.673250	0.000000	1.882042	785.0	45.3	85.329	0	8.163
FloridaRiver070919_145	FR	1233578.272308	2328675.800132	09-07-2019 12:47:55	0.000000	0.003458	0.020285	785.1	45.4	-0.496	0.015	0.088
FloridaRiver070919_146	FR	1233518.338126	2328401.647029	09-07-2019 12:52:52	0.000000	0.001150	0.295343	783.9	45.6	-0.207	0.005	1.284
FloridaRiver070919_147	FR	1233565.878857	2328422.072591	09-07-2019 12:56:10	0.000000	0.001838	0.106857	783.4	45.7	-0.305	0.008	0.465
FloridaRiver070919_148	FR	1233628.531601	2328558.885815	09-07-2019 13:01:22	0.000000	0.001149	0.195816	784.0	45.9	-0.158	0.005	0.852
FloridaRiver070919_149	FR	1233692.183645	2328562.704634	09-07-2019 13:04:23	0.000000	0.002299	0.146670	784.2	45.9	0	0.01	0.638
FloridaRiver070919_150	FR	1233760.346306	2328573.509678	09-07-2019 13:07:02	0.000000	0.000000	0.131376	785.1	46.0	-0.075	-0.005	0.571
FloridaRiver070919_151	FR	1233811.306391	2328731.915427	09-07-2019 13:10:54	0.000000	0.001149	0.099295	784.8	46.2	0	0.005	0.432
FloridaRiver070919_152	FR	1233818.492367	2328839.318495	09-07-2019 13:13:56	0.000000	0.000921	0.257514	786.0	46.3	-0.464	0.004	1.119
FloridaRiver070919_85	FR	1234525.311073	2331203.119969	09-07-2019 09:07:47	0.000000	0.000246	0.094868	789.5	27.3	-1.578	0.001	0.386
FloridaRiver070919_86	FR	1234763.677856	2331227.37587	09-07-2019 09:12:03	0.000000	0.000491	0.074615	789.5	27.7	0	0.002	0.304
FloridaRiver070919_87	FR	1235046.650874	2331183.536551	09-07-2019 09:15:58	0.422212	0.001225	0.376879	789.0	28.0	1.723	0.005	1.538
FloridaRiver070919_88	FR	1235091.417331	2331245.293795	09-07-2019 09:18:39	0.000000	0.000980	0.121217	789.0	28.2	0	0.004	0.495

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver070919_89	FR	1235151.413587	2331377.845588	09-07-2019 09:22:36	0.000000	0.000978	0.225248	789.3	28.7	0	0.004	0.921
FloridaRiver070919_90	FR	1235186.572791	2331237.65013	09-07-2019 09:25:56	0.000000	0.000733	0.248004	789.6	29.1	0	0.003	1.015
FloridaRiver070919_91	FR	1235129.563446	2331070.143876	09-07-2019 09:29:34	0.000000	0.001219	0.300094	789.1	29.6	0	0.005	1.231
FloridaRiver070919_92	FR	1235222.201141	2330968.576204	09-07-2019 09:32:26	0.000000	0.000730	0.067639	788.6	30.0	0	0.003	0.278
FloridaRiver070919_93	FR	1235209.853414	2330802.533864	09-07-2019 09:35:32	0.000000	0.000728	0.230671	788.3	30.5	0	0.003	0.95
FloridaRiver070919_94	FR	1235066.528264	2330642.649364	09-07-2019 09:39:41	0.000000	0.000727	0.171947	787.8	31.1	-0.155	0.003	0.71
FloridaRiver070919_95	FR	1235002.4821	2330778.27166	09-07-2019 09:42:53	0.000000	0.000484	0.089696	787.5	31.5	-0.761	0.002	0.371
FloridaRiver070919_96	FR	1234928.460394	2330861.924457	09-07-2019 09:45:41	0.000000	0.001934	0.561859	788.0	31.7	-0.068	0.008	2.324
FloridaRiver070919_97	FR	1234997.008945	2330967.899823	09-07-2019 09:48:34	0.000000	0.000725	0.229054	788.3	32.0	0	0.003	0.948
FloridaRiver070919_98	FR	1234751.671003	2330989.065782	09-07-2019 09:51:51	0.000000	0.001690	0.118322	788.6	32.3	0	0.007	0.49
FloridaRiver070919_99	FR	1234603.596756	2331021.004947	09-07-2019 09:54:42	0.000000	0.000241	0.142355	789.0	32.7	0	0.001	0.59
PoleBarn070819_01	PB	1237065.968498	2384489.928039	08-08-2019 14:03:19	0.000000	0.000235	0.000000	783.3	38.1	0	0.001	-2.33
PoleBarn070819_02	PB	1237061.415229	2384548.720848	08-08-2019 14:06:13	0.000000	0.000000	0.000000	783.2	38.4	0	-0.002	-0.278
PoleBarn070819_03	PB	1237073.991041	2384602.627826	08-08-2019 14:08:35	0.000000	0.001175	0.097520	783.5	38.7	0	0.005	0.415
PoleBarn070819_04	PB	1237036.98911	2384504.833279	08-08-2019 14:20:07	0.000000	0.000000	0.038331	783.3	40.3	0	-0.002	0.164
PoleBarn070819_05	PB	1237015.236364	2384557.001628	08-08-2019 14:22:25	0.000000	0.000234	0.062112	783.3	40.6	0	0.001	0.266
PoleBarn070819_06	PB	1237020.308009	2384609.275349	08-08-2019 14:24:50	0.000000	0.000467	0.020541	783.5	40.8	0	0.002	0.088
PoleBarn070819_07	PB	1237076.972438	2384654.804921	08-08-2019 14:27:31	0.000000	0.001398	0.177358	783.3	41.2	0	0.006	0.761
PoleBarn070819_08	PB	1237079.657642	2384690.847137	08-08-2019 14:29:53	0.000000	0.000000	0.051683	783.2	41.5	0	0	0.222
PoleBarn070819_09	PB	1237042.154322	2384694.190286	08-08-2019 14:32:31	0.000000	0.000000	0.022321	783.2	41.9	0	-0.002	0.096
PoleBarn070819_10	PB	1237022.992148	2384649.961256	08-08-2019 14:35:00	0.000000	0.000000	0.006504	783.4	42.3	-0.019	-0.001	0.028
PoleBarn070819_11	PB	1236977.659728	2384677.952192	08-08-2019 14:37:17	0.000000	0.000000	0.046191	783.6	42.6	-0.091	-0.003	0.199
PoleBarn070819_12	PB	1236980.045595	2384637.398868	08-08-2019 14:39:34	0.000000	0.000000	0.038248	783.3	42.9	-0.714	-0.001	0.165
PoleBarn070819_13	PB	1236974.339228	2384593.767459	08-08-2019 14:41:54	0.000000	0.000000	0.012506	783.3	43.2	-0.001	-0.001	0.054
PoleBarn070819_14	PB	1236977.278608	2384538.533586	08-08-2019 14:44:36	0.000000	0.000000	0.023601	783.6	43.6	-0.906	-0.005	0.102
PoleBarn070819_15	PB	1236970.633072	2384498.637034	08-08-2019 14:46:53	0.000000	0.000000	0.000000	783.4	43.8	-0.788	-0.001	-0.019

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PoleBarn070819_16	PB	1236928.92054	2384491.361335	08-08-2019 14:49:14	0.000000	0.000000	0.046227	783.5	43.9	0	-0.001	0.2
PoleBarn070819_17	PB	1236933.184261	2384535.157712	08-08-2019 14:51:41	0.000000	0.000000	0.003233	783.2	44.1	-0.695	-0.005	0.014
PoleBarn070819_18	PB	1236930.824132	2384608.064833	08-08-2019 14:53:59	0.000000	0.000000	0.020549	783.4	44.2	-0.38	-0.002	0.089
PoleBarn070819_19	PB	1236915.776318	2384648.530579	08-08-2019 14:56:58	0.000000	0.000000	0.004153	783.4	44.4	0	-0.006	0.018
PoleBarn070819_20	PB	1236949.525177	2384704.785056	08-08-2019 14:59:25	0.000000	0.000000	0.022832	783.5	44.6	0	-0.01	0.099
PoleBarn070819_21	PB	1236900.548099	2384681.278665	08-08-2019 15:01:34	0.000000	0.000000	0.026975	783.5	44.7	0	0	0.117
PoleBarn070819_22	PB	1236872.965197	2384654.451759	08-08-2019 15:03:45	0.000000	0.000000	0.052549	783.5	44.8	-1.254	0	0.228
PoleBarn070819_23	PB	1236873.760102	2384606.15114	08-08-2019 15:05:57	0.000000	0.000230	0.057594	783.4	44.9	-0.459	0.001	0.25
PoleBarn070819_24	PB	1236876.336366	2384547.344382	08-08-2019 15:08:13	0.000000	0.000000	0.032714	783.4	44.9	-0.131	-0.002	0.142
PoleBarn070819_25	PB	1236890.456257	2384494.13866	08-08-2019 15:10:21	0.000000	0.000000	0.015202	783.5	45.0	-0.076	-0.002	0.066
VosburgPike071719_01	Sec12	1245291.245419	2362235.58375	17-07-2019 08:10:04	66.624780	0.000239	1.175738	765.8	27.0	279.195	0.001	4.927
VosburgPike071719_02	Sec12	1245363.686537	2362225.304064	17-07-2019 08:13:38	0.000000	0.000716	0.282627	765.9	27.2	-0.996	0.003	1.185
VosburgPike071719_03	Sec12	1245400.580856	2362200.047569	17-07-2019 08:16:46	22.950010	0.000715	0.866020	765.7	27.2	96.25	0.003	3.632
VosburgPike071719_04	Sec12	1245418.440026	2362206.313429	17-07-2019 08:21:21	0.000000	0.001191	0.268405	765.3	27.4	-0.077	0.005	1.127
VosburgPike071719_05	Sec12	1245435.724728	2362183.461478	17-07-2019 08:24:42	0.000000	0.000476	0.444378	765.1	27.5	-1.757	0.002	1.867
VosburgPike071719_06	Sec12	1245457.423948	2362203.331214	17-07-2019 08:27:54	0.000000	0.001189	0.456364	764.7	27.6	-0.375	0.005	1.919
VosburgPike071719_07	Sec12	1245498.568062	2362251.79754	17-07-2019 08:31:30	7.966516	0.000951	0.733936	765.0	27.7	33.497	0.004	3.086
VosburgPike071719_08	Sec12	1245540.475107	2362222.018124	17-07-2019 08:34:26	0.000000	0.000951	0.107001	765.1	27.8	0	0.004	0.45
VosburgPike071719_09	Sec12	1245551.666957	2362203.847728	17-07-2019 08:37:02	0.000000	0.000951	0.091272	764.8	27.8	0	0.004	0.384
VosburgPike071719_10	Sec12	1245635.707054	2362161.95749	17-07-2019 08:40:50	0.000000	0.001188	0.302651	764.9	28.0	-1.54	0.005	1.274
VosburgPike071719_100	Sec12	1246128.957176	2359396.875057	17-07-2019 14:46:28	0.000000	0.001327	0.097118	753.7	45.5	-0.09	0.006	0.439
VosburgPike071719_101	Sec12	1245915.234184	2359558.825411	17-07-2019 14:51:13	0.000000	0.000443	0.115551	754.4	45.6	-0.566	0.002	0.522
VosburgPike071719_102	Sec12	1245743.757393	2359557.376505	17-07-2019 14:54:42	0.000000	0.001108	0.241858	755.5	45.6	-0.182	0.005	1.091
VosburgPike071719_11	Sec12	1245656.470428	2362141.206199	17-07-2019 08:44:10	1890.532000	0.001661	4.974170	764.3	28.1	7967.024	0.007	20.962
VosburgPike071719_12	Sec12	1245666.793767	2362145.413289	17-07-2019 08:46:57	37.720590	0.002134	0.601739	763.9	28.2	159.097	0.009	2.538
VosburgPike071719_13	Sec12	1245672.828805	2362129.666516	17-07-2019 08:50:56	246.389700	0.000710	1.700919	763.9	28.7	1040.941	0.003	7.186

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071719_14	Sec12	1245612.069894	2362110.672181	17-07-2019 08:56:52	27.011800	0.000000	1.524167	763.6	29.6	114.504	-0.002	6.461
VosburgPike071719_15	Sec12	1245612.303041	2362093.291744	17-07-2019 09:00:16	12.808150	0.003059	2.194614	763.4	30.3	54.434	0.013	9.327
VosburgPike071719_16	Sec12	1245632.342261	2362089.297398	17-07-2019 09:03:06	17.999400	0.003051	2.524066	763.0	30.9	76.688	0.013	10.754
VosburgPike071719_17	Sec12	1245245.07024	2362091.614879	17-07-2019 09:09:38	0.000000	0.000000	0.006540	763.1	32.4	-1.409	0	0.028
VosburgPike071719_18	Sec12	1245276.022864	2362028.727667	17-07-2019 09:12:32	0.000000	0.002567	0.087282	763.9	33.0	-0.517	0.011	0.374
VosburgPike071719_19	Sec12	1245368.751104	2362021.191679	17-07-2019 09:16:17	0.000000	0.001862	0.102151	763.4	33.7	0	0.008	0.439
VosburgPike071719_20	Sec12	1245458.708219	2361846.924552	17-07-2019 09:20:39	0.000000	0.000696	0.088146	763.0	34.5	-0.181	0.003	0.38
VosburgPike071719_21	Sec12	1245467.552207	2362051.58907	17-07-2019 09:24:53	0.000000	0.001154	0.037399	761.1	35.2	0	0.005	0.162
VosburgPike071719_22	Sec12	1245550.985633	2362041.418019	17-07-2019 09:27:35	1.105590	0.002771	1.558863	762.0	35.5	4.788	0.012	6.751
VosburgPike071719_23	Sec12	1245603.087959	2362017.816097	17-07-2019 09:30:27	5.747834	0.000692	5.603233	761.8	35.8	24.923	0.003	24.296
VosburgPike071719_24	Sec12	1245602.384707	2361988.384613	17-07-2019 09:34:39	17.626530	0.001151	7.450109	761.4	36.2	76.569	0.005	32.363
VosburgPike071719_25	Sec12	1245691.044452	2361802.065759	17-07-2019 09:39:50	0.000000	0.002755	0.092297	761.1	36.9	-0.072	0.012	0.402
VosburgPike071719_26	Sec12	1245875.472112	2361800.098735	17-07-2019 09:45:25	0.000000	0.000000	0.221508	759.2	37.8	-0.221	-0.002	0.97
VosburgPike071719_27	Sec12	1245936.594115	2361822.450921	17-07-2019 09:48:42	0.000000	0.000912	0.246734	759.1	38.2	-0.458	0.004	1.082
VosburgPike071719_28	Sec12	1246007.348336	2361841.744801	17-07-2019 09:51:41	0.000000	0.001823	0.119628	759.5	38.6	-0.309	0.008	0.525
VosburgPike071719_29	Sec12	1246014.819574	2361894.582382	17-07-2019 09:54:43	0.000000	0.001138	0.061691	759.5	38.9	-0.001	0.005	0.271
VosburgPike071719_30	Sec12	1245937.560433	2361879.964175	17-07-2019 09:57:38	0.000000	0.002048	0.261255	760.0	39.2	0	0.009	1.148
VosburgPike071719_31	Sec12	1245891.377795	2361962.859934	17-07-2019 10:02:14	0.000000	0.000682	0.450881	760.3	39.6	-0.421	0.003	1.983
VosburgPike071719_32	Sec12	1245966.617671	2361970.249259	17-07-2019 10:05:18	0.000000	0.000227	0.130314	761.2	39.9	-0.634	0.001	0.573
VosburgPike071719_33	Sec12	1246040.696588	2361967.905461	17-07-2019 10:08:30	0.000000	0.000909	0.206261	760.8	40.1	-0.257	0.004	0.908
VosburgPike071719_34	Sec12	1246003.786505	2362048.412696	17-07-2019 10:12:43	0.000000	0.000000	0.014293	760.3	40.3	-0.401	-0.005	0.063
VosburgPike071719_35	Sec12	1245975.537237	2362109.010745	17-07-2019 10:15:14	0.000000	0.000681	0.096047	761.2	40.4	-0.435	0.003	0.423
VosburgPike071719_36	Sec12	1245960.948361	2362154.803652	17-07-2019 10:18:04	0.000000	0.000454	0.161029	761.4	40.4	-1.364	0.002	0.709
VosburgPike071719_37	Sec12	1245967.35577	2362228.432091	17-07-2019 10:21:11	0.000000	0.000000	0.087942	761.8	40.4	-0.529	0	0.387
VosburgPike071719_38	Sec12	1245922.603361	2362229.133889	17-07-2019 10:25:12	0.000000	0.000227	0.349134	762.5	40.4	-0.166	0.001	1.535
VosburgPike071719_39	Sec12	1245838.552235	2362250.751985	17-07-2019 10:29:10	0.000000	0.000683	0.088302	762.7	40.3	-0.421	0.003	0.388

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071719_40	Sec12	1245824.161204	2362326.998752	17-07-2019 10:32:44	0.000000	0.000000	0.031416	762.7	40.2	-0.053	0	0.138
VosburgPike071719_41	Sec12	1245810.410824	2362353.053913	17-07-2019 10:35:04	0.000000	0.000683	0.199929	762.4	40.0	-0.214	0.003	0.878
VosburgPike071719_42	Sec12	1245779.950217	2362372.394753	17-07-2019 10:37:41	0.000000	0.000911	0.215311	762.6	39.9	-0.045	0.004	0.945
VosburgPike071719_43	Sec12	1245748.221904	2362343.568625	17-07-2019 10:41:12	0.000000	0.001368	0.198768	762.7	39.8	-0.431	0.006	0.872
VosburgPike071719_44	Sec12	1245763.804049	2362320.372487	17-07-2019 10:43:44	0.000000	0.000456	0.486325	763.0	39.7	-0.15	0.002	2.132
VosburgPike071719_45	Sec12	1245774.482131	2362282.064637	17-07-2019 10:47:30	8.360620	0.000228	1.307131	762.8	39.6	36.65	0.001	5.73
VosburgPike071719_46	Sec12	1245764.524982	2362252.082026	17-07-2019 10:50:55	0.000000	0.000000	0.052243	763.1	39.7	-0.465	-0.002	0.229
VosburgPike071719_47	Sec12	1245740.01395	2362260.30331	17-07-2019 10:54:13	3.569493	0.001141	0.592176	763.6	39.7	15.636	0.005	2.594
VosburgPike071719_48	Sec12	1245723.404646	2362287.23903	17-07-2019 10:56:50	0.000000	0.001142	0.102977	763.5	39.6	-0.176	0.005	0.451
VosburgPike071719_49	Sec12	1245692.610165	2362301.096073	17-07-2019 10:59:34	0.000000	0.000685	0.519611	763.4	39.6	0	0.003	2.276
VosburgPike071719_50	Sec12	1245701.131331	2362344.336805	17-07-2019 11:01:52	0.000000	0.000685	0.137629	763.2	39.6	-0.456	0.003	0.603
VosburgPike071719_51	Sec12	1245646.485978	2362337.443224	17-07-2019 11:06:17	0.000000	0.001826	0.162258	763.1	39.6	0	0.008	0.711
VosburgPike071719_52	Sec12	1245627.280113	2362311.665413	17-07-2019 11:09:03	0.000000	0.000457	0.397751	763.5	39.6	0	0.002	1.742
VosburgPike071719_53	Sec12	1245594.068423	2362359.092607	17-07-2019 11:12:38	0.000000	0.000228	0.248017	763.9	39.7	-0.386	0.001	1.086
VosburgPike071719_54	Sec12	1245598.362462	2362294.379739	17-07-2019 11:15:18	0.000000	0.000457	0.067626	764.2	39.7	0	0.002	0.296
VosburgPike071719_55	Sec12	1245614.113237	2362228.726385	17-07-2019 11:18:35	0.000000	0.001371	0.127729	764.3	39.7	0	0.006	0.559
VosburgPike071719_56	Sec12	1245641.365732	2362219.097141	17-07-2019 11:21:27	4.977036	0.000914	0.468260	763.8	39.6	21.789	0.004	2.05
VosburgPike071719_57	Sec12	1245651.397237	2362243.727339	17-07-2019 11:23:50	0.000000	0.002740	0.611091	763.6	39.6	0	0.012	2.676
VosburgPike071719_58	Sec12	1245670.669759	2362210.496476	17-07-2019 11:26:15	0.000000	0.002283	0.485594	763.4	39.6	0	0.01	2.127
VosburgPike071719_59	Sec12	1245723.758082	2362204.705622	17-07-2019 11:28:57	0.000000	0.002282	0.015059	763.2	39.7	0	0.01	0.066
VosburgPike071719_60	Sec12	1245752.06552	2362195.050878	17-07-2019 11:31:27	0.000000	0.000000	0.122422	762.8	39.8	0	-0.001	0.537
VosburgPike071719_61	Sec12	1245782.020589	2362178.893948	17-07-2019 11:34:07	0.000000	0.002051	0.127397	762.8	39.9	0	0.009	0.559
VosburgPike071719_62	Sec12	1245826.072796	2362163.087641	17-07-2019 12:05:34	0.000000	0.000000	0.000000	762.4	40.0	-0.52	0	-0.031
VosburgPike071719_63	Sec12	1245873.739744	2362154.29272	17-07-2019 12:08:09	0.000000	0.002506	0.238502	762.2	39.8	0	0.011	1.047
VosburgPike071719_64	Sec12	1245868.463345	2362137.011977	17-07-2019 12:10:26	0.000000	0.001367	0.028476	762.0	39.7	0	0.006	0.125
VosburgPike071719_65	Sec12	1245832.299858	2362108.267109	17-07-2019 12:14:00	5.005864	0.000228	1.158406	762.0	39.7	21.974	0.001	5.085

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071719_66	Sec12	1245797.033683	2362099.196278	17-07-2019 12:17:32	1.577214	0.000456	0.818228	762.4	39.8	6.922	0.002	3.591
VosburgPike071719_67	Sec12	1245778.444807	2362084.948298	17-07-2019 12:20:25	13.420030	0.001139	2.173956	762.4	39.9	58.916	0.005	9.544
VosburgPike071719_68	Sec12	1245706.14459	2362065.135968	17-07-2019 12:23:39	15.421300	0.000000	0.508702	762.3	40.1	67.754	0	2.235
VosburgPike071719_69	Sec12	1245669.456045	2362053.258472	17-07-2019 12:27:35	0.000000	0.000455	1.191975	762.3	40.4	-1.18	0.002	5.242
VosburgPike071719_70	Sec12	1245677.496848	2362042.004583	17-07-2019 12:30:20	10.858790	0.000681	8.256735	761.8	40.6	47.816	0.003	36.358
VosburgPike071719_71	Sec12	1245735.795238	2362039.243293	17-07-2019 12:33:06	0.000000	0.000000	0.646604	761.8	40.9	-4.232	0	2.85
VosburgPike071719_72	Sec12	1245758.035324	2362030.675738	17-07-2019 12:35:24	18.031860	0.000680	1.672185	761.5	41.1	79.56	0.003	7.378
VosburgPike071719_73	Sec12	1245783.108979	2362031.143938	17-07-2019 12:37:47	0.000000	0.000453	0.244621	761.5	41.3	-1.2	0.002	1.08
VosburgPike071719_74	Sec12	1245780.342475	2362150.644432	17-07-2019 12:45:54	0.000000	0.000678	0.100085	761.5	42.1	-1.788	0.003	0.443
VosburgPike071719_75	Sec12	1245775.262589	2362144.401849	17-07-2019 12:48:24	4.153936	0.002940	0.587508	762.7	42.3	18.369	0.013	2.598
VosburgPike071719_76	Sec12	1245774.999053	2362136.58625	17-07-2019 12:51:02	11.664060	0.000904	0.183734	762.7	42.5	51.612	0.004	0.813
VosburgPike071719_77	Sec12	1245773.658357	2362133.122902	17-07-2019 12:53:48	1105.496000	0.001582	3.505924	763.0	42.7	4892.858	0.007	15.517
VosburgPike071719_78	Sec12	1245706.334035	2362171.999398	17-07-2019 12:57:23	0.000000	0.000000	0.045582	763.0	43.1	-4.292	-0.003	0.202
VosburgPike071719_79	Sec12	1245700.357481	2362164.310146	17-07-2019 12:59:38	0.000000	0.000000	0.041720	763.0	43.3	0	-0.001	0.185
VosburgPike071719_80	Sec12	1245949.820884	2359369.273721	17-07-2019 13:32:08	0.000000	0.000000	0.606435	755.0	39.5	-2.036	-0.001	2.685
VosburgPike071719_81	Sec12	1245943.230119	2359266.995838	17-07-2019 13:35:17	3.345460	0.001128	2.337063	754.9	39.9	14.833	0.005	10.362
VosburgPike071719_82	Sec12	1245913.067661	2359302.843113	17-07-2019 13:37:58	0.000000	0.002477	0.113056	755.0	40.4	-3.534	0.011	0.502
VosburgPike071719_83	Sec12	1245883.552096	2359315.976267	17-07-2019 13:40:40	1.522102	0.000000	0.576666	755.0	40.7	6.765	0	2.563
VosburgPike071719_84	Sec12	1245867.124931	2359341.309866	17-07-2019 13:43:04	0.000000	0.000000	0.352241	755.5	41.0	-2.13	-0.001	1.566
VosburgPike071719_85	Sec12	1245833.976253	2359365.295714	17-07-2019 13:45:34	0.000000	0.001798	0.280932	755.6	41.3	0	0.008	1.25
VosburgPike071719_86	Sec12	1245727.781114	2359363.442607	17-07-2019 13:48:56	0.000000	0.003368	0.200523	755.9	41.7	-0.358	0.015	0.893
VosburgPike071719_87	Sec12	1245751.814329	2359141.099705	17-07-2019 13:52:56	0.000000	0.000000	0.154959	756.1	42.2	0	-0.003	0.691
VosburgPike071719_88	Sec12	1245711.573655	2359007.081099	17-07-2019 13:57:17	0.000000	0.000000	0.032411	754.6	42.6	0	0	0.145
VosburgPike071719_89	Sec12	1245727.746479	2358776.824873	17-07-2019 14:02:06	0.000000	0.002230	0.449072	753.7	43.0	0	0.01	2.014
VosburgPike071719_90	Sec12	1245932.876091	2358751.745622	17-07-2019 14:05:37	0.000000	0.004005	0.129716	752.8	43.3	0	0.018	0.583
VosburgPike071719_91	Sec12	1246129.223351	2358741.756833	17-07-2019 14:08:56	0.000000	0.002446	0.175217	752.8	43.5	-0.467	0.011	0.788

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071719_92	Sec12	1246129.322559	2358951.424928	17-07-2019 14:12:44	0.000000	0.000000	0.089652	752.0	43.8	0	-0.001	0.404
VosburgPike071719_93	Sec12	1245964.920813	2359025.475831	17-07-2019 14:15:57	0.000000	0.000888	0.621510	752.4	44.0	0	0.004	2.801
VosburgPike071719_94	Sec12	1245925.032708	2358979.482583	17-07-2019 14:19:11	0.000000	0.000000	0.105027	753.4	44.2	0	-0.001	0.473
VosburgPike071719_95	Sec12	1245921.841485	2359163.301617	17-07-2019 14:22:42	0.000000	0.000000	0.162477	753.6	44.4	0	-0.001	0.732
VosburgPike071719_96	Sec12	1246141.343769	2359165.074811	17-07-2019 14:26:54	0.000000	0.001776	0.178091	754.4	44.6	0	0.008	0.802
VosburgPike071719_97	Sec12	1246360.328768	2359415.381455	17-07-2019 14:33:15	0.000000	0.001773	0.195515	753.8	44.9	0	0.008	0.882
VosburgPike071719_98	Sec12	1246336.42225	2359551.282647	17-07-2019 14:36:17	0.000000	0.002215	0.159469	753.4	45.0	-0.371	0.01	0.72
VosburgPike071719_99	Sec12	1246144.877299	2359535.86063	17-07-2019 14:41:55	0.000000	0.001106	0.090048	753.3	45.3	-0.44	0.005	0.407
VosburgPike071819_103	Sec12	1245163.465822	2361076.863917	18-07-2019 08:21:34	0.000000	0.000000	0.393641	765.0	26.4	-0.854	-0.002	1.648
VosburgPike071819_104	Sec12	1245229.456088	2361278.319834	18-07-2019 08:28:32	0.000000	0.000000	0.019993	765.1	27.5	0	0	0.084
VosburgPike071819_105	Sec12	1245441.01371	2361284.853332	18-07-2019 08:33:30	0.000000	0.000473	0.066501	762.0	28.0	0	0.002	0.281
VosburgPike071819_106	Sec12	1245587.78413	2361339.432334	18-07-2019 08:37:04	0.000000	0.001179	0.112013	760.3	28.4	0	0.005	0.475
VosburgPike071819_107	Sec12	1245833.60612	2361299.070448	18-07-2019 08:42:05	0.000000	0.000235	0.025164	759.5	28.9	0	0.001	0.107
VosburgPike071819_108	Sec12	1246028.205896	2361238.167297	18-07-2019 08:45:54	0.000000	0.000234	0.133045	757.7	29.4	0	0.001	0.568
VosburgPike071819_109	Sec12	1246217.050399	2361243.144674	18-07-2019 08:50:04	0.000000	0.000935	0.232525	757.2	29.9	0	0.004	0.995
VosburgPike071819_110	Sec12	1246162.794503	2360976.564243	18-07-2019 08:56:49	0.000000	0.000000	0.067016	755.7	30.6	0	0	0.288
VosburgPike071819_111	Sec12	1246016.551999	2361064.517601	18-07-2019 09:00:25	0.000000	0.000000	0.190343	758.3	30.9	0	0	0.816
VosburgPike071819_112	Sec12	1245879.216786	2361021.662513	18-07-2019 09:04:26	11.072320	0.000000	0.780611	758.0	31.1	47.517	0	3.35
VosburgPike071819_113	Sec12	1245837.340242	2361008.179177	18-07-2019 09:07:37	18.463310	0.000000	0.931204	759.5	31.3	79.131	0	3.991
VosburgPike071819_114	Sec12	1245803.212877	2361009.789389	18-07-2019 09:10:42	2.246331	0.000934	0.889148	760.1	31.4	9.623	0.004	3.809
VosburgPike071819_115	Sec12	1245713.50894	2361048.216532	18-07-2019 09:15:59	19.712570	0.000000	0.300252	760.4	31.7	84.496	-0.002	1.287
VosburgPike071819_116	Sec12	1245673.631917	2361040.879806	18-07-2019 09:19:47	2.831693	0.000233	0.548175	761.2	31.8	12.129	0.001	2.348
VosburgPike071819_117	Sec12	1245647.783207	2361033.301612	18-07-2019 09:22:19	53.335230	0.000234	0.739966	761.8	31.8	228.271	0.001	3.167
VosburgPike071819_118	Sec12	1245601.335642	2361040.218997	18-07-2019 09:25:00	0.000000	0.000701	0.712722	761.9	31.9	-0.783	0.003	3.051
VosburgPike071819_119	Sec12	1245376.96972	2361010.812904	18-07-2019 09:30:27	0.764882	0.000467	0.518560	762.0	32.1	3.276	0.002	2.221
VosburgPike071819_120	Sec12	1245334.680253	2361002.039459	18-07-2019 09:33:47	0.000000	0.000468	0.281238	764.5	32.2	0	0.002	1.201

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071819_121	Sec12	1245336.739374	2360814.703615	18-07-2019 09:41:25	0.000000	0.002801	0.006302	764.3	33.1	0	0.012	0.027
VosburgPike071819_122	Sec12	1245503.78491	2360743.855798	18-07-2019 09:46:11	0.000000	0.000000	0.295692	762.2	34.0	-0.178	-0.001	1.274
VosburgPike071819_123	Sec12	1245758.03134	2360711.669289	18-07-2019 09:50:40	0.000000	0.002313	0.246976	761.4	34.8	-0.001	0.01	1.068
VosburgPike071819_124	Sec12	1245886.917748	2360749.269348	18-07-2019 09:54:30	0.000000	0.000461	0.174384	761.2	35.5	0	0.002	0.756
VosburgPike071819_125	Sec12	1246137.044018	2360748.151055	18-07-2019 10:00:33	0.000000	0.000000	0.020474	761.6	36.5	0	-0.001	0.089
VosburgPike071819_126	Sec12	1246130.634889	2360494.42932	18-07-2019 10:05:43	0.000000	0.000000	0.000000	758.7	37.0	0	0	-0.245
VosburgPike071819_127	Sec12	1246104.881337	2360337.636272	18-07-2019 10:10:53	2.951293	0.000000	0.865286	758.7	37.5	12.92	-0.002	3.788
VosburgPike071819_128	Sec12	1246095.775496	2360214.327001	18-07-2019 10:15:12	0.000000	0.001593	0.052574	756.9	37.9	0	0.007	0.231
VosburgPike071819_129	Sec12	1245978.583865	2360287.99025	18-07-2019 10:18:30	0.000000	0.000000	0.115057	755.2	38.1	0	-0.001	0.507
VosburgPike071819_130	Sec12	1245909.957625	2360269.470561	18-07-2019 10:21:21	0.000000	0.000908	0.134622	756.2	38.4	0	0.004	0.593
VosburgPike071819_131	Sec12	1245908.581767	2360173.271871	18-07-2019 10:24:05	0.000000	0.000000	0.070973	755.8	38.6	0	-0.003	0.313
VosburgPike071819_132	Sec12	1245787.264636	2360036.018911	18-07-2019 10:28:43	0.000000	0.000679	0.212082	755.4	39.0	-0.435	0.003	0.937
VosburgPike071819_133	Sec12	1245730.617059	2360108.85972	18-07-2019 10:31:30	0.000000	0.001359	0.053903	756.6	39.3	0	0.006	0.238
VosburgPike071819_134	Sec12	1245514.547966	2359940.700093	18-07-2019 10:38:23	0.000000	0.002261	0.278114	756.8	39.9	0	0.01	1.23
VosburgPike071819_135	Sec12	1245393.728299	2359964.392049	18-07-2019 10:43:13	0.000000	0.000453	0.281960	759.6	40.3	0	0.002	1.244
VosburgPike071819_136	Sec12	1245443.480735	2360174.623323	18-07-2019 10:49:14	0.000000	0.000227	0.090170	760.0	40.6	0	0.001	0.398
VosburgPike071819_137	Sec12	1245330.08874	2360226.979936	18-07-2019 10:55:33	0.000000	0.001359	0.411925	759.9	40.7	0	0.006	1.819
VosburgPike071819_138	Sec12	1245404.10197	2360383.009688	18-07-2019 11:02:29	0.000000	0.000680	0.058439	760.8	41.0	0	0.003	0.258
VosburgPike071819_139	Sec12	1245563.405221	2360346.84656	18-07-2019 11:06:45	0.000000	0.000453	0.231945	760.3	41.1	-0.644	0.002	1.025
VosburgPike071819_140	Sec12	1245770.272406	2360400.791828	18-07-2019 11:10:51	0.000000	0.000000	0.026179	759.0	41.4	-0.038	-0.004	0.116
VosburgPike071819_141	Sec12	1245764.446779	2360507.136443	18-07-2019 11:13:50	0.000000	0.000000	0.072523	757.7	41.5	-0.417	-0.006	0.322
VosburgPike071819_142	Sec12	1245885.189275	2360547.035364	18-07-2019 11:16:53	0.000000	0.000000	0.113787	758.5	41.7	-0.116	-0.004	0.505
VosburgPike071819_143	Sec12	1245183.290125	2360903.908785	18-07-2019 11:29:40	0.000000	0.001127	0.375298	759.5	42.0	0	0.005	1.665
VosburgPike071119_14	Sec17	1240899.613639	2341124.13713	11-07-2019 11:43:37	0.000000	0.000000	0.014468	758.8	45.7	-0.475	-0.004	0.065
VosburgPike071119_15	Sec17	1240880.892548	2341109.309224	11-07-2019 11:47:00	0.000000	0.000000	0.110848	771.2	45.7	-0.19	-0.003	0.49
VosburgPike071119_16	Sec17	1240868.082261	2341102.34016	11-07-2019 11:50:02	0.000000	0.000000	0.172810	771.1	45.7	0	-0.003	0.764

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071119_17	Sec17	1240899.280162	2341093.36819	11-07-2019 11:53:06	0.000000	0.000000	0.056756	771.1	45.8	-1.067	-0.007	0.251
VosburgPike071119_18	Sec17	1240825.980939	2341123.266841	11-07-2019 11:57:09	0.000000	0.000903	0.000903	770.5	46.0	0	0.004	0.004
VosburgPike071119_19	Sec17	1240795.281907	2341098.895478	11-07-2019 12:00:18	0.000000	0.001582	0.024182	771.4	46.1	0	0.007	0.107
VosburgPike071119_20	Sec17	1240812.752322	2341047.169281	11-07-2019 12:04:44	0.000000	0.000000	0.264735	771.5	46.3	0	0	1.172
VosburgPike071119_21	Sec17	1240795.123686	2340994.519093	11-07-2019 12:07:23	0.000000	0.000000	0.047597	770.7	46.4	-1.219	-0.004	0.211
VosburgPike071119_22	Sec17	1240794.522522	2340960.793704	11-07-2019 12:09:55	0.000000	0.000000	0.103229	770.3	46.5	0	-0.005	0.458
VosburgPike071119_23	Sec17	1240861.006022	2340959.520123	11-07-2019 12:13:27	0.000000	0.000000	0.043231	770.0	46.7	0	-0.006	0.192
VosburgPike071119_24	Sec17	1240912.779143	2340959.21932	11-07-2019 12:17:00	0.000000	0.000000	0.079136	769.3	46.9	0	-0.007	0.352
VosburgPike071119_25	Sec17	1240909.964928	2340989.240325	11-07-2019 12:20:22	0.000000	0.000674	0.169723	768.7	47.1	-0.16	0.003	0.756
VosburgPike071119_26	Sec17	1240848.482877	2341003.535174	11-07-2019 12:23:25	0.000000	0.000000	0.179638	769.1	47.2	-0.342	-0.001	0.8
VosburgPike071119_27	Sec17	1240849.687909	2341019.286854	11-07-2019 12:26:36	2.453885	0.000000	2.225188	769.7	47.3	10.923	-0.006	9.905
VosburgPike071119_28	Sec17	1240852.173064	2341052.144682	11-07-2019 12:29:25	0.000000	0.000000	0.754374	769.7	47.4	-3.604	-0.002	3.359
VosburgPike071119_29	Sec17	1240869.818903	2341039.421287	11-07-2019 12:32:05	7.319384	0.001123	1.994521	769.7	47.4	32.591	0.005	8.881
FloridaRiver070819_39	Sec18	1237507.152137	2335115.416916	08-07-2019 12:06:52	0.000000	0.002112	0.493138	784.1	39.3	-0.047	0.009	2.101
FloridaRiver070819_40	Sec18	1237497.260436	2335173.550894	08-07-2019 12:09:26	0.000000	0.002087	0.092303	775.0	39.4	-0.047	0.009	0.398
FloridaRiver070819_41	Sec18	1237502.122364	2335248.830539	08-07-2019 12:12:34	0.000000	0.002319	0.171818	775.1	39.5	-0.062	0.01	0.741
FloridaRiver070819_42	Sec18	1237462.489147	2335298.660267	08-07-2019 12:16:07	0.000000	0.002319	0.240454	775.6	39.7	-0.102	0.01	1.037
FloridaRiver070819_43	Sec18	1237427.117417	2335304.457255	08-07-2019 12:18:45	0.000000	0.001855	0.109937	776.3	39.9	-0.413	0.008	0.474
FloridaRiver070819_44	Sec18	1237430.482232	2335259.044888	08-07-2019 12:22:11	0.000000	0.000232	0.444448	776.9	40.1	-0.091	0.001	1.916
FloridaRiver070819_45	Sec18	1237414.662276	2335224.698929	08-07-2019 12:24:45	0.000000	0.003012	0.804691	776.5	40.3	0	0.013	3.473
FloridaRiver070819_46	Sec18	1237416.314439	2335183.138211	08-07-2019 12:27:24	0.000000	0.000000	0.262579	776.5	40.5	0	-0.001	1.134
FloridaRiver070819_47	Sec18	1237375.448513	2335194.130719	08-07-2019 12:31:39	0.000000	0.000000	0.152821	776.3	40.9	-0.162	-0.004	0.661
FloridaRiver070819_48	Sec18	1237423.935255	2335124.610392	08-07-2019 12:34:30	0.000000	0.000000	0.077422	776.5	41.1	0	-0.007	0.335
FloridaRiver070819_49	Sec18	1237403.548017	2335118.353409	08-07-2019 12:36:52	0.000000	0.003001	0.283974	776.2	41.3	0	0.013	1.23
FloridaRiver070819_50	Sec18	1237399.315222	2335070.007883	08-07-2019 12:39:45	0.000000	0.000000	0.101289	776.2	41.5	0	-0.007	0.439
FloridaRiver070819_51	Sec18	1237375.367103	2335064.555063	08-07-2019 12:42:41	0.000000	0.003459	0.031361	776.0	41.6	-0.198	0.015	0.136

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver070819_52	Sec18	1237343.313454	2335084.524545	08-07-2019 12:45:38	0.000000	0.000000	0.250823	776.3	41.8	0	-0.007	1.088
FloridaRiver070819_53	Sec18	1237334.008417	2335117.718074	08-07-2019 12:48:12	0.000000	0.001614	0.086490	776.9	41.9	0	0.007	0.375
FloridaRiver070819_54	Sec18	1237312.863209	2335171.619378	08-07-2019 12:51:18	0.000000	0.002998	0.223017	777.1	42.0	0	0.013	0.967
FloridaRiver070819_55	Sec18	1237319.690761	2335235.227201	08-07-2019 12:53:58	0.000000	0.000000	0.162582	777.3	42.1	-0.033	0	0.705
FloridaRiver070819_56	Sec18	1237358.140018	2335238.893993	08-07-2019 12:56:31	0.000000	0.001845	0.186762	777.4	42.2	0	0.008	0.81
FloridaRiver070819_57	Sec18	1237349.16005	2335258.140271	08-07-2019 12:58:52	0.000000	0.000692	0.127736	777.4	42.2	-0.047	0.003	0.554
FloridaRiver070819_58	Sec18	1237371.392492	2335296.568848	08-07-2019 13:01:45	0.000000	0.000691	0.065453	777.3	42.3	0	0.003	0.284
SFTC071019_01	TC2PR	1243371.942075	2373785.613068	10-07-2019 09:53:17	0.000000	0.000000	0.009238	783.5	28.3	-3.767	-0.006	0.038
SFTC071019_02	TC2PR	1243366.817961	2373676.744548	10-07-2019 09:56:38	0.000000	0.000242	0.134911	783.5	29.4	-0.386	0.001	0.557
SFTC071019_03	TC2PR	1243303.32425	2373709.03877	10-07-2019 10:00:41	0.000000	0.000723	0.066301	783.5	30.8	0	0.003	0.275
SFTC071019_04	TC2PR	1243297.148635	2373764.554504	10-07-2019 10:03:12	0.000000	0.001924	0.141668	783.7	31.6	0	0.008	0.589
SFTC071019_05	TC2PR	1243300.870494	2373824.899823	10-07-2019 10:05:41	0.000000	0.002881	0.303904	783.7	32.2	0	0.012	1.266
SFTC071019_06	TC2PR	1243299.426423	2373844.114718	10-07-2019 10:09:04	1.713751	0.002395	0.111839	783.9	33.0	7.156	0.01	0.467
SFTC071019_07	TC2PR	1243308.096872	2373882.610167	10-07-2019 10:11:31	0.000000	0.001673	0.243017	783.7	33.6	0	0.007	1.017
SFTC071019_08	TC2PR	1243327.492934	2373899.787295	10-07-2019 10:13:57	0.000000	0.000716	0.032931	783.9	34.1	0	0.003	0.138
SFTC071019_09	TC2PR	1243297.525998	2373925.562453	10-07-2019 10:16:43	0.000000	0.001191	0.140277	783.9	34.7	0	0.005	0.589
SFTC071019_10	TC2PR	1243246.950208	2373923.969355	10-07-2019 10:19:28	0.000000	0.001902	0.282624	783.9	35.3	-0.487	0.008	1.189
SFTC071019_11	TC2PR	1243240.152112	2373864.348431	10-07-2019 10:21:51	0.000000	0.000712	0.107029	783.9	35.8	-1.296	0.003	0.451
SFTC071019_12	TC2PR	1243253.625538	2373830.044702	10-07-2019 10:24:09	0.000000	0.000711	0.028896	783.9	36.4	-0.001	0.003	0.122
SFTC071019_13	TC2PR	1243267.153708	2373803.32508	10-07-2019 10:26:20	0.000000	0.000000	0.023403	783.9	37.0	0	0	0.099
SFTC071019_14	TC2PR	1243229.65453	2373783.350761	10-07-2019 10:28:50	0.000000	0.000943	0.109177	783.7	37.7	-0.466	0.004	0.463
SFTC071019_15	TC2PR	1243205.980486	2373744.86818	10-07-2019 10:31:27	0.000000	0.000000	0.034820	783.7	38.4	0	-0.002	0.148
SFTC071019_16	TC2PR	1243240.878523	2373986.452221	10-07-2019 10:36:02	0.000000	0.000234	0.139685	783.7	39.6	0	0.001	0.596
SFTC071019_17	TC2PR	1243220.104849	2373984.105299	10-07-2019 10:38:38	0.000000	0.000936	0.054975	784.0	40.3	0	0.004	0.235
SFTC071019_18	TC2PR	1243345.608597	2373980.774386	10-07-2019 10:42:49	0.000000	0.000000	0.063952	784.2	41.1	0	-0.004	0.274
SFTC071019_19	TC2PR	1243376.839233	2373991.914495	10-07-2019 10:45:13	0.000000	0.001165	0.261210	783.9	41.5	-0.029	0.005	1.121

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071019_20	TC2PR	1243402.20166	2373998.265063	10-07-2019 10:47:31	0.655080	0.000466	0.527742	783.9	41.8	2.814	0.002	2.267
SFTC071019_21	TC2PR	1243418.022466	2374010.950496	10-07-2019 10:49:47	0.000000	0.000000	0.036516	784.2	42.2	0	-0.001	0.157
SFTC071019_22	TC2PR	1243425.561959	2373972.546978	10-07-2019 10:52:36	1.281066	0.000000	0.750481	783.9	42.6	5.517	-0.002	3.232
SFTC071019_23	TC2PR	1243459.232288	2373942.686898	10-07-2019 10:55:55	1.046740	0.003246	0.676730	783.9	43.1	4.515	0.014	2.919
SFTC071019_24	TC2PR	1243483.936243	2373937.094451	10-07-2019 10:58:19	1.427283	0.004630	1.265223	783.8	43.5	6.165	0.02	5.465
SFTC071019_25	TC2PR	1243512.059502	2373916.361157	10-07-2019 11:00:47	0.000000	0.000000	0.000000	783.6	43.9	0	-0.012	-0.003
SFTC071019_26	TC2PR	1243562.7347	2373968.326945	10-07-2019 11:03:47	0.000000	0.000000	0.000000	783.9	44.4	0	-0.008	-0.013
SFTC071019_27	TC2PR	1243595.11748	2373983.574109	10-07-2019 11:05:50	0.000000	0.000000	0.000000	783.9	44.7	-0.048	-0.001	-0.017
SFTC071019_28	TC2PR	1243640.790466	2374019.499892	10-07-2019 11:08:05	0.000000	0.000000	0.005072	784.0	44.9	-0.029	-0.002	0.022
SFTC071019_29	TC2PR	1243679.683803	2374054.646824	10-07-2019 11:10:14	0.000000	0.000691	0.003227	784.2	45.1	-0.233	0.003	0.014
SFTC071019_30	TC2PR	1243723.853989	2374126.197948	10-07-2019 11:12:53	0.000000	0.000000	0.005987	784.2	45.4	0	-0.008	0.026
SFTC071019_31	TC2PR	1243597.948251	2374050.241501	10-07-2019 11:16:00	0.000000	0.000000	0.048525	784.0	45.7	0	-0.004	0.211
SFTC071019_32	TC2PR	1243502.018685	2373987.485032	10-07-2019 11:18:59	0.000000	0.000000	0.085700	784.0	46.0	0	-0.007	0.373
SFTC071019_33	TC2PR	1243553.987653	2374045.109654	10-07-2019 11:22:49	0.000000	0.000688	0.088811	783.8	46.3	-2.429	0.003	0.387
SFTC071019_34	TC2PR	1243534.343074	2374056.756798	10-07-2019 11:25:08	0.000000	0.001148	0.142079	784.2	46.4	-0.352	0.005	0.619
SFTC071019_35	TC2PR	1243552.419237	2374103.936583	10-07-2019 11:27:48	0.000000	0.000000	0.110765	784.0	46.6	-0.379	-0.004	0.483
SFTC071019_36	TC2PR	1243544.618027	2374183.122177	10-07-2019 11:31:13	0.000000	0.001605	0.049981	784.3	46.8	0	0.007	0.218
SFTC071019_37	TC2PR	1243508.312048	2374103.323269	10-07-2019 11:33:51	0.000000	0.000000	0.053852	784.4	47.0	0	-0.005	0.235
SFTC071019_38	TC2PR	1243504.595524	2374063.837091	10-07-2019 11:36:13	0.000000	0.000687	0.139249	784.2	47.1	0	0.003	0.608
SFTC071019_39	TC2PR	1243461.90007	2374030.387357	10-07-2019 11:38:37	0.000000	0.000000	0.216309	784.0	47.2	-0.226	-0.005	0.945
SFTC071019_40	TC2PR	1243444.387131	2374068.605636	10-07-2019 11:41:02	0.000000	0.000686	0.125168	784.0	47.3	0	0.003	0.547
SFTC071019_41	TC2PR	1243397.460394	2374065.241442	10-07-2019 11:43:18	0.000000	0.000000	0.033398	784.0	47.4	-0.076	-0.002	0.146
SFTC071019_42	TC2PR	1243366.449788	2374033.084903	10-07-2019 11:45:41	0.000000	0.000000	0.109311	784.0	47.5	-0.138	-0.002	0.478
SFTC071019_43	TC2PR	1243339.721589	2374039.715563	10-07-2019 11:48:02	0.000000	0.000457	0.106365	784.2	47.5	-0.157	0.002	0.465
SFTC071019_44	TC2PR	1243406.592408	2374094.868998	10-07-2019 11:50:50	0.000000	0.000457	0.167845	784.2	47.6	-0.447	0.002	0.734
SFTC071019_45	TC2PR	1243440.29266	2374121.545666	10-07-2019 11:53:50	0.000000	0.000915	0.118223	784.2	47.6	0	0.004	0.517

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071019_46	TC2PR	1243390.927529	2374119.801381	10-07-2019 11:57:15	0.000000	0.000000	0.446652	784.3	47.6	-0.148	-0.002	1.953
SFTC071019_47	TC2PR	1243343.268446	2374107.773874	10-07-2019 11:59:55	0.000000	0.000000	0.346894	784.2	47.6	-0.312	-0.005	1.517
SFTC071019_48	TC2PR	1243342.527022	2374128.360006	10-07-2019 12:02:52	0.000000	0.000457	0.305427	784.0	47.6	0	0.002	1.336
SFTC071019_49	TC2PR	1243352.796731	2374147.216214	10-07-2019 12:05:08	0.000000	0.000000	0.035901	784.2	47.6	0	-0.008	0.157
SFTC071019_50	TC2PR	1243364.286338	2374147.719769	10-07-2019 12:07:21	0.000000	0.000229	0.032692	784.0	47.6	-0.593	0.001	0.143
SFTC071019_51	TC2PR	1243365.236149	2374156.758459	10-07-2019 12:09:41	0.000000	0.000000	0.014860	784.0	47.6	-0.198	-0.002	0.065
SFTC071019_52	TC2PR	1243381.759007	2374142.815242	10-07-2019 12:12:36	234.492700	0.000000	1.315667	784.0	47.6	1025.72	-0.004	5.755
SFTC071019_53	TC2PR	1243400.599475	2374147.344833	10-07-2019 12:15:13	0.000000	0.000000	0.241644	784.0	47.6	-0.951	-0.009	1.057
SFTC071019_54	TC2PR	1243424.251208	2374150.468415	10-07-2019 12:17:32	0.000000	0.002514	0.457312	784.0	47.7	0	0.011	2.001
SFTC071019_55	TC2PR	1243418.008463	2374162.930298	10-07-2019 12:19:37	0.000000	0.001828	0.797610	784.0	47.7	-0.612	0.008	3.49
SFTC071019_56	TC2PR	1243446.203345	2374150.394158	10-07-2019 12:22:01	0.000000	0.001371	0.320187	784.0	47.7	-0.302	0.006	1.401
SFTC071019_57	TC2PR	1243485.311854	2374191.324457	10-07-2019 12:24:50	0.000000	0.001143	0.246354	784.2	47.8	-0.359	0.005	1.078
SFTC071019_58	TC2PR	1243436.136791	2374178.30895	10-07-2019 12:28:13	4.773048	0.002514	0.808534	784.2	47.8	20.886	0.011	3.538
SFTC071019_59	TC2PR	1243403.457379	2374185.695622	10-07-2019 12:30:37	0.000000	0.000000	0.024903	784.0	47.8	0	-0.005	0.109
SFTC071019_60	TC2PR	1243381.385396	2374194.964971	10-07-2019 12:32:55	0.000000	0.000000	0.023073	783.9	47.8	0	-0.001	0.101
SFTC071019_61	TC2PR	1243367.900295	2374192.141519	10-07-2019 12:35:11	0.000000	0.000000	0.025367	784.2	47.8	0	0	0.111
SFTC071019_62	TC2PR	1243372.470369	2374179.382938	10-07-2019 12:37:22	0.000000	0.000228	0.013935	783.9	47.8	0	0.001	0.061
SFTC071019_63	TC2PR	1243371.375347	2374164.952744	10-07-2019 12:40:01	6.350436	0.000000	0.673901	783.9	47.8	27.799	-0.003	2.95
SFTC071019_64	TC2PR	1243345.193522	2374232.463342	10-07-2019 12:42:49	1.712385	0.000000	0.315974	784.0	47.8	7.495	-0.002	1.383
SFTC071019_65	TC2PR	1243359.736143	2374268.797445	10-07-2019 12:45:17	0.000000	0.000000	0.106440	783.8	47.8	0	-0.005	0.466
SFTC071019_66	TC2PR	1243368.345798	2374253.498763	10-07-2019 12:48:00	0.000000	0.000000	0.127911	783.8	47.8	0	-0.001	0.56
SFTC071019_67	TC2PR	1243393.886638	2374233.977728	10-07-2019 12:50:46	0.000000	0.000000	0.523359	783.9	47.8	0	-0.002	2.291
SFTC071019_68	TC2PR	1243408.993528	2374246.167231	10-07-2019 12:53:09	2.558998	0.000000	0.348601	783.9	47.8	11.202	-0.005	1.526
SFTC071019_69	TC2PR	1243428.588052	2374240.185013	10-07-2019 12:55:25	0.000000	0.000228	0.343697	783.9	47.9	-0.896	0.001	1.505
SFTC071019_70	TC2PR	1243439.421196	2374211.992093	10-07-2019 12:57:30	0.000000	0.000685	0.096144	783.9	47.9	0	0.003	0.421
SFTC071019_71	TC2PR	1243437.708101	2373925.717117	10-07-2019 13:03:06	0.000000	0.000000	0.163618	783.8	48.1	0	-0.003	0.717

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071019_72	TC2PR	1243480.780719	2373881.118221	10-07-2019 13:05:35	0.000000	0.000000	0.000000	783.1	48.1	0	-0.009	-0.129
SFTC071019_73	TC2PR	1243443.186129	2373802.833763	10-07-2019 13:07:56	0.000000	0.000000	0.061991	782.8	48.1	0	-0.005	0.272
SFTC071519_100	TC2PR	1242578.982598	2373908.337964	15-07-2019 11:51:29	0.000000	0.002302	0.246266	779.2	43.5	0	0.01	1.07
SFTC071519_101	TC2PR	1242582.535381	2374078.868332	15-07-2019 11:54:26	0.000000	0.000000	0.075031	779.7	43.7	-0.639	0	0.326
SFTC071519_102	TC2PR	1242783.349247	2374075.912553	15-07-2019 11:58:19	0.000000	0.003219	0.043913	779.6	44.0	0	0.014	0.191
SFTC071519_103	TC2PR	1242830.002376	2373964.208258	15-07-2019 12:01:38	0.000000	0.001838	0.199921	779.7	44.2	0	0.008	0.87
SFTC071519_104	TC2PR	1242979.238471	2373972.837557	15-07-2019 12:04:29	0.000000	0.001839	0.087104	780.3	44.4	0	0.008	0.379
SFTC071519_105	TC2PR	1242991.751721	2374069.570424	15-07-2019 12:07:10	0.000000	0.000000	0.088657	780.3	44.6	0	-0.001	0.386
SFTC071519_106	TC2PR	1243192.176543	2373974.741549	15-07-2019 12:15:31	0.000000	0.002292	0.302990	780.1	45.2	0	0.01	1.322
SFTC071519_107	TC2PR	1243273.448821	2374048.895523	15-07-2019 12:23:19	0.000000	0.000000	0.132569	780.3	45.6	-0.092	-0.002	0.579
SFTC071519_108	TC2PR	1243292.802038	2374064.5511	15-07-2019 12:25:40	0.000000	0.000687	0.000000	780.3	45.6	-0.089	0.003	-0.333
SFTC071519_109	TC2PR	1243307.125153	2374087.941024	15-07-2019 12:28:50	0.000000	0.000687	0.017625	780.3	45.7	0	0.003	0.077
SFTC071519_110	TC2PR	1243316.664498	2374162.86612	15-07-2019 12:32:40	0.000000	0.000000	0.135647	780.3	45.9	-0.211	-0.001	0.593
SFTC071519_111	TC2PR	1243316.771298	2374150.615056	15-07-2019 12:34:58	2.902795	0.000000	5.372480	780.3	46.0	12.694	0	23.494
SFTC071519_112	TC2PR	1243297.047184	2374117.268259	15-07-2019 12:37:32	0.000000	0.000000	0.277453	780.1	46.1	-5.207	-0.003	1.214
SFTC071519_113	TC2PR	1243288.88978	2374106.96495	15-07-2019 12:40:06	0.000000	0.000228	0.361102	780.1	46.3	0	0.001	1.581
SFTC071519_114	TC2PR	1243279.726676	2374119.316071	15-07-2019 12:42:39	0.000000	0.000000	0.134901	780.1	46.5	0	-0.001	0.591
SFTC071519_115	TC2PR	1243283.430771	2374147.022527	15-07-2019 12:46:53	0.000000	0.001368	0.330394	780.0	46.8	-0.795	0.006	1.449
SFTC071519_116	TC2PR	1243274.661122	2374146.176897	15-07-2019 12:49:48	2.431676	0.000000	0.262853	781.7	47.0	10.648	-0.003	1.151
SFTC071519_117	TC2PR	1243256.521865	2374112.952913	15-07-2019 12:53:24	0.000000	0.001366	0.305252	779.9	47.3	-6.34	0.006	1.341
SFTC071519_118	TC2PR	1243225.626544	2374084.909384	15-07-2019 12:56:10	0.000000	0.002047	0.248581	779.7	47.5	-0.426	0.009	1.093
SFTC071519_119	TC2PR	1243203.511238	2374044.45785	15-07-2019 12:59:19	0.000000	0.002956	0.617700	779.9	47.7	0	0.013	2.717
SFTC071519_120	TC2PR	1243167.082169	2374029.74858	15-07-2019 13:02:08	0.000000	0.000000	0.056364	779.9	47.8	-0.335	-0.001	0.248
SFTC071519_121	TC2PR	1243163.324516	2374041.090512	15-07-2019 13:04:40	0.000000	0.000000	0.007949	779.6	47.9	-0.467	-0.001	0.035
SFTC071519_122	TC2PR	1243163.237561	2374094.230041	15-07-2019 13:08:29	0.000000	0.000227	0.041541	779.2	47.9	0	0.001	0.183
SFTC071519_123	TC2PR	1243171.407099	2374140.905246	15-07-2019 13:10:57	0.000000	0.000454	0.068313	778.8	47.8	-0.052	0.002	0.301

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071519_124	TC2PR	1243193.931737	2374160.56591	15-07-2019 13:13:22	0.000000	0.000227	0.097399	778.6	47.6	-0.297	0.001	0.429
SFTC071519_125	TC2PR	1243226.017228	2374182.103643	15-07-2019 13:16:12	0.000000	0.000000	0.180301	778.5	47.5	-0.577	-0.003	0.794
SFTC071519_126	TC2PR	1243261.428159	2374192.059038	15-07-2019 13:19:39	5.706873	0.000000	1.628197	778.9	47.3	25.103	-0.002	7.162
SFTC071519_127	TC2PR	1243284.658597	2374202.235587	15-07-2019 13:22:22	307.868700	0.000683	1.429214	779.0	47.1	1353.213	0.003	6.282
SFTC071519_128	TC2PR	1243290.208611	2374211.806433	15-07-2019 13:25:07	37.811580	0.000000	0.506789	779.3	47.0	166.082	-0.012	2.226
SFTC071519_129	TC2PR	1243234.802016	2374227.522802	15-07-2019 13:28:02	0.000000	0.000683	0.093572	779.3	47.0	-5.61	0.003	0.411
SFTC071519_130	TC2PR	1243223.05228	2374253.861696	15-07-2019 13:32:20	0.000000	0.000000	0.063235	778.6	47.0	-0.15	0	0.278
SFTC071519_131	TC2PR	1243249.181548	2374269.865851	15-07-2019 13:35:05	0.000000	0.000000	0.400204	778.1	46.9	0	-0.004	1.76
SFTC071519_132	TC2PR	1243206.379762	2374345.690847	15-07-2019 13:39:23	0.000000	0.000000	0.164702	778.2	46.8	0	-0.015	0.724
SFTC071519_133	TC2PR	1243259.173383	2374346.930059	15-07-2019 13:42:06	0.000000	0.000000	0.219424	778.4	46.7	0	-0.001	0.964
SFTC071519_134	TC2PR	1243277.123085	2374353.234685	15-07-2019 13:44:56	21.924980	0.001140	0.644604	779.0	46.5	96.189	0.005	2.828
SFTC071519_135	TC2PR	1243297.898014	2374423.518509	15-07-2019 13:47:50	0.000000	0.000684	0.199279	779.0	46.4	-57.033	0.003	0.874
SFTC071519_136	TC2PR	1243346.659487	2374359.534515	15-07-2019 13:50:54	0.000000	0.000000	0.518035	779.2	46.2	0	0	2.27
SFTC071519_137	TC2PR	1243361.270731	2374448.055981	15-07-2019 13:53:36	0.000000	0.000228	0.160523	779.4	46.1	0	0.001	0.703
SFTC071519_138	TC2PR	1243461.56286	2374466.17127	15-07-2019 13:56:25	0.000000	0.000000	0.080457	779.7	45.9	-0.09	-0.002	0.352
SFTC071519_139	TC2PR	1243542.791256	2374577.274889	15-07-2019 13:59:23	0.000000	0.000229	0.182732	779.9	45.8	0	0.001	0.799
SFTC071519_140	TC2PR	1243521.413255	2374396.868469	15-07-2019 14:02:14	0.000000	0.000458	0.124697	780.0	45.7	0	0.002	0.545
SFTC071519_141	TC2PR	1243465.601344	2374350.781709	15-07-2019 14:04:01	0.000000	0.000000	0.134983	779.7	45.6	0	0	0.59
SFTC071519_142	TC2PR	1243417.983104	2374337.221032	15-07-2019 14:05:36	0.000000	0.001602	0.960743	779.7	45.5	-0.001	0.007	4.198
SFTC071519_143	TC2PR	1243408.805759	2374260.717972	15-07-2019 14:07:18	0.000000	0.000000	0.396788	779.6	45.5	0	-0.007	1.734
SFTC071519_144	TC2PR	1243453.266427	2374238.388872	15-07-2019 14:08:59	0.000000	0.000229	0.419627	779.7	45.4	-0.322	0.001	1.833
SFTC071519_145	TC2PR	1243505.143529	2374306.784713	15-07-2019 14:11:13	0.000000	0.000000	0.049220	779.7	45.4	0	-0.007	0.215
SFTC071519_146	TC2PR	1243538.807866	2374282.041904	15-07-2019 14:13:00	0.000000	0.000918	0.161527	781.2	45.3	-0.15	0.004	0.704
SFTC071519_74	TC2PR	1243380.249937	2373577.302544	15-07-2019 10:23:11	0.000000	0.000000	0.043789	780.0	28.4	-13.308	-0.013	0.181
SFTC071519_75	TC2PR	1243413.546009	2373561.521854	15-07-2019 10:26:30	0.000000	0.001204	0.186449	780.0	29.7	0	0.005	0.774
SFTC071519_76	TC2PR	1243446.58873	2373402.782174	15-07-2019 10:29:21	0.000000	0.000000	0.000000	780.0	30.8	-0.456	0	-0.018

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071519_77	TC2PR	1243422.217901	2373408.657714	15-07-2019 10:31:39	0.000000	0.003590	0.089508	779.8	31.6	0	0.015	0.374
SFTC071519_78	TC2PR	1243379.564902	2373405.45751	15-07-2019 10:35:38	0.000000	0.000953	0.056204	779.8	33.1	-0.293	0.004	0.236
SFTC071519_79	TC2PR	1243155.665318	2373364.969599	15-07-2019 10:39:47	0.000000	0.001187	0.176811	780.4	34.4	-0.001	0.005	0.745
SFTC071519_80	TC2PR	1243157.34184	2373123.70822	15-07-2019 10:43:07	0.000000	0.002364	0.226257	780.2	35.5	-1.605	0.01	0.957
SFTC071519_81	TC2PR	1243191.318957	2372955.827806	15-07-2019 10:46:24	0.000000	0.000000	0.041490	780.2	36.4	0	-0.001	0.176
SFTC071519_82	TC2PR	1243004.679541	2372967.951867	15-07-2019 10:50:35	0.000000	0.000000	0.010096	779.8	37.5	0	-0.001	0.043
SFTC071519_83	TC2PR	1242836.632219	2372928.27738	15-07-2019 10:54:48	0.000000	0.000468	0.132643	779.5	38.5	0	0.002	0.567
SFTC071519_84	TC2PR	1242843.415333	2373135.574016	15-07-2019 10:57:58	0.000000	0.001399	0.176012	778.3	39.1	0	0.006	0.755
SFTC071519_85	TC2PR	1242934.813113	2373169.007537	15-07-2019 11:00:56	0.000000	0.001165	0.097379	778.5	39.4	0	0.005	0.418
SFTC071519_86	TC2PR	1242731.495975	2373361.917672	15-07-2019 11:05:20	0.000000	0.000233	0.071913	778.7	39.8	0	0.001	0.309
SFTC071519_87	TC2PR	1242797.634609	2373573.848848	15-07-2019 11:08:52	0.000000	0.000000	0.077156	778.1	40.0	0	0	0.332
SFTC071519_88	TC2PR	1243058.430532	2373391.47233	15-07-2019 11:13:36	0.000000	0.000000	0.000000	779.0	40.3	0	-0.001	-0.045
SFTC071519_89	TC2PR	1243038.105996	2373581.897703	15-07-2019 11:17:08	0.000000	0.001861	0.158680	780.0	40.4	0	0.008	0.682
SFTC071519_90	TC2PR	1243161.381859	2373552.510146	15-07-2019 11:19:53	0.000000	0.002093	0.030235	780.2	40.6	-0.534	0.009	0.13
SFTC071519_91	TC2PR	1243256.872252	2373576.380251	15-07-2019 11:23:01	0.000000	0.000465	0.027651	780.2	40.9	-0.208	0.002	0.119
SFTC071519_92	TC2PR	1243270.410369	2373669.439521	15-07-2019 11:25:32	0.000000	0.000464	0.103320	780.1	41.1	-1.002	0.002	0.445
SFTC071519_93	TC2PR	1243163.146221	2373692.227469	15-07-2019 11:28:33	0.000000	0.001856	0.019253	780.1	41.4	0	0.008	0.083
SFTC071519_94	TC2PR	1243162.570397	2373767.372321	15-07-2019 11:31:23	0.000000	0.001391	0.265708	780.5	41.7	0	0.006	1.146
SFTC071519_95	TC2PR	1243169.832479	2373877.01075	15-07-2019 11:34:21	0.000000	0.003475	0.412081	780.5	42.0	0	0.015	1.779
SFTC071519_96	TC2PR	1242975.063506	2373759.550883	15-07-2019 11:39:15	0.000000	0.000000	0.110778	780.5	42.5	-0.139	-0.004	0.479
SFTC071519_97	TC2PR	1242878.248163	2373762.412381	15-07-2019 11:41:58	0.000000	0.000462	0.100936	780.0	42.7	0	0.002	0.437
SFTC071519_98	TC2PR	1242795.885657	2373778.271794	15-07-2019 11:44:38	0.000000	0.001846	0.087450	779.7	42.9	0	0.008	0.379
SFTC071519_99	TC2PR	1242606.266371	2373722.92903	15-07-2019 11:48:37	0.000000	0.000461	0.087829	779.7	43.2	0	0.002	0.381
SFTC073019_01	TC2PR	1243561.939551	2370776.976514	30-07-2019 10:10:08	3.628186	0.000000	2.292720	780.2	28.8	15.013	-0.003	9.487
SFTC073019_02	TC2PR	1243557.465203	2370963.118346	30-07-2019 10:13:53	0.000000	0.000241	0.239107	780.2	29.9	-0.001	0.001	0.993
SFTC073019_03	TC2PR	1243590.801188	2370966.093522	30-07-2019 10:16:25	0.000000	0.000000	0.221221	780.4	30.4	0	0	0.92

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC073019_04	TC2PR	1243595.931576	2371099.193049	30-07-2019 10:20:06	0.000000	0.000000	0.062396	780.4	31.0	0	0	0.26
SFTC073019_05	TC2PR	1243581.183017	2371138.985741	30-07-2019 10:22:51	0.000000	0.000719	0.433910	780.6	31.4	0	0.003	1.81
SFTC073019_06	TC2PR	1243551.185758	2371134.598074	30-07-2019 10:25:24	0.000000	0.000479	0.000000	780.9	31.7	0	0.002	-0.177
SFTC073019_07	TC2PR	1243572.458834	2371194.484587	30-07-2019 10:27:43	0.000000	0.000000	0.048330	780.6	32.0	0	0	0.202
SFTC073019_08	TC2PR	1243558.469111	2371355.57772	30-07-2019 10:30:37	0.000000	0.000239	0.100151	780.6	32.3	0	0.001	0.419
SFTC073019_09	TC2PR	1243542.187701	2371563.431343	30-07-2019 10:34:17	0.000000	0.000478	0.194838	780.8	32.7	0	0.002	0.816
SFTC073019_10	TC2PR	1243495.897221	2371589.144685	30-07-2019 10:36:51	0.000000	0.000239	0.437057	780.9	33.0	0	0.001	1.832
SFTC073019_11	TC2PR	1243497.021455	2371667.655082	30-07-2019 10:39:15	0.000000	0.000238	0.025275	781.0	33.2	0	0.001	0.106
SFTC073019_12	TC2PR	1243521.250024	2371779.178266	30-07-2019 10:42:35	0.000000	0.000238	0.046912	781.0	33.6	0	0.001	0.197
SFTC073019_13	TC2PR	1243448.305594	2371979.869905	30-07-2019 10:45:53	0.000000	0.000000	0.029749	781.3	33.9	0	0	0.125
SFTC073019_14	TC2PR	1243444.944064	2372317.086965	30-07-2019 10:51:09	0.000000	0.000713	0.070819	781.7	34.5	0	0.003	0.298
SFTC073019_15	TC2PR	1243472.285334	2372334.57131	30-07-2019 10:53:25	0.000000	0.000000	0.039199	781.7	34.6	-0.028	-0.002	0.165
SFTC073019_16	TC2PR	1243454.306572	2372550.187356	30-07-2019 10:56:30	0.000000	0.000000	0.064842	784.9	34.8	-0.467	-0.001	0.272
SFTC073019_17	TC2PR	1243423.692326	2372564.86897	30-07-2019 10:59:32	0.000000	0.000237	0.011383	781.3	35.0	-0.033	0.001	0.048
SFTC073019_18	TC2PR	1243413.48656	2372784.763158	30-07-2019 11:03:29	0.000000	0.000237	0.083640	781.4	35.3	-3.091	0.001	0.353
SFTC073019_19	TC2PR	1243434.756358	2373172.773727	30-07-2019 11:07:13	0.000000	0.000000	0.022020	781.6	35.6	0	-0.001	0.093
SFTC073019_20	TC2PR	1243185.228925	2372716.651928	30-07-2019 11:14:45	0.000000	0.000000	0.033810	782.0	36.2	0	0	0.143
SFTC073019_21	TC2PR	1242884.187046	2372755.801127	30-07-2019 11:22:10	0.000000	0.000000	0.096806	782.2	36.7	0	0	0.41
SFTC073019_22	TC2PR	1242775.369514	2372741.977553	30-07-2019 11:25:38	0.000000	0.000707	0.015326	781.6	36.9	0	0.003	0.065
SFTC073019_23	TC2PR	1242778.155699	2372534.847088	30-07-2019 11:29:43	0.000000	0.000000	0.019294	780.5	37.1	0	-0.001	0.082
SFTC073019_24	TC2PR	1242820.571123	2372316.522991	30-07-2019 11:33:24	0.000000	0.000000	0.006350	780.6	37.3	0	-0.001	0.027
SFTC073019_25	TC2PR	1242799.873164	2372157.709718	30-07-2019 11:36:23	0.000000	0.000470	0.028928	780.9	37.4	0	0.002	0.123
SFTC073019_26	TC2PR	1242795.85309	2371996.551854	30-07-2019 11:39:21	0.000000	0.000235	0.011528	781.4	37.5	-0.165	0.001	0.049
SFTC073019_27	TC2PR	1242996.74507	2372156.922339	30-07-2019 11:42:45	0.000000	0.001411	0.162760	781.7	37.7	0	0.006	0.692
SFTC073019_28	TC2PR	1242988.771362	2372337.426273	30-07-2019 11:45:39	0.000000	0.001176	0.059487	781.7	37.8	-1.225	0.005	0.253
SFTC073019_29	TC2PR	1242991.849177	2372375.235842	30-07-2019 11:47:57	0.000000	0.000941	0.243167	782.1	37.9	0	0.004	1.034

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC073019_30	TC2PR	1242953.041171	2372495.953329	30-07-2019 11:50:56	0.000000	0.000470	0.361271	782.2	38.1	-0.577	0.002	1.537
SFTC073019_31	TC2PR	1242950.313408	2372506.864619	30-07-2019 11:53:21	9.843369	0.000705	2.849977	782.0	38.2	41.902	0.003	12.132
SFTC073019_32	TC2PR	1242942.516592	2372538.514979	30-07-2019 11:56:06	4.581234	0.000704	1.645328	781.8	38.3	19.513	0.003	7.008
SFTC073019_33	TC2PR	1242908.538979	2372561.568959	30-07-2019 11:58:16	0.000000	0.000939	0.049754	782.0	38.5	-0.822	0.004	0.212
SFTC073019_34	TC2PR	1243152.537627	2372529.582264	30-07-2019 12:04:04	0.000000	0.000703	0.000000	781.8	38.9	-0.313	0.003	-0.002
SFTC073019_35	TC2PR	1243179.247528	2372379.466762	30-07-2019 12:06:54	0.000000	0.001171	0.091347	781.7	39.0	0	0.005	0.39
SFTC073019_36	TC2PR	1243395.366467	2372574.542244	30-07-2019 12:10:11	0.000000	0.000000	0.042367	781.7	39.2	-0.797	-0.001	0.181
SFTC073019_37	TC2PR	1243357.802488	2372403.297524	30-07-2019 12:13:28	0.000000	0.001637	0.084653	781.2	39.3	0	0.007	0.362
SFTC073019_38	TC2PR	1243438.474712	2372315.910531	30-07-2019 12:16:00	0.000000	0.000702	0.043966	781.5	39.4	0	0.003	0.188
SFTC073019_39	TC2PR	1243378.28034	2372283.675015	30-07-2019 12:18:31	0.000000	0.000000	0.131597	781.6	39.6	0	0	0.563
SFTC073019_40	TC2PR	1243395.022408	2372240.926302	30-07-2019 12:20:49	0.000000	0.001168	0.121289	781.7	39.7	0	0.005	0.519
SFTC073019_41	TC2PR	1243366.742158	2372175.638636	30-07-2019 12:23:09	0.000000	0.000000	0.737082	781.7	39.8	0	-0.002	3.155
SFTC073019_42	TC2PR	1243338.612284	2372194.813044	30-07-2019 12:25:16	0.000000	0.001168	0.047171	781.6	39.9	-0.341	0.005	0.202
SFTC073019_43	TC2PR	1243256.230126	2372193.902607	30-07-2019 12:28:38	0.000000	0.001634	0.318824	781.7	40.1	0	0.007	1.366
SFTC073019_44	TC2PR	1243218.212628	2371976.593219	30-07-2019 12:36:05	0.000000	0.001864	0.611736	781.7	40.7	0	0.008	2.626
SFTC073019_45	TC2PR	1243264.4446	2371775.799795	30-07-2019 12:39:21	0.000000	0.000000	0.026305	781.4	40.8	0	-0.003	0.113
SFTC073019_46	TC2PR	1243201.463314	2371751.814346	30-07-2019 12:41:57	1.453589	0.000233	1.675571	781.3	40.9	6.247	0.001	7.201
SFTC073019_47	TC2PR	1242907.242023	2371964.021385	30-07-2019 12:47:07	0.000000	0.001394	0.096167	781.2	41.4	-0.028	0.006	0.414
SFTC073019_48	TC2PR	1242973.616036	2371747.28155	30-07-2019 12:51:19	0.000000	0.002787	0.161398	781.5	41.6	-2.809	0.012	0.695
SFTC073019_49	TC2PR	1242938.780094	2371585.616226	30-07-2019 12:55:35	0.000000	0.000000	0.054276	781.3	41.9	0	-0.003	0.234
SFTC073019_50	TC2PR	1242993.943731	2371441.840823	30-07-2019 12:58:40	0.000000	0.000000	0.080831	780.9	42.2	0	-0.002	0.349
SFTC073019_51	TC2PR	1242963.603892	2371200.392747	30-07-2019 13:03:05	0.000000	0.000000	0.000000	780.6	42.5	0	-0.003	-0.001
SFTC073019_52	TC2PR	1243068.547731	2371009.998135	30-07-2019 13:06:43	0.000000	0.000000	0.083318	779.4	42.7	0	-0.003	0.361
SFTC073019_53	TC2PR	1243194.353045	2370924.596569	30-07-2019 13:10:23	0.000000	0.000000	0.067436	779.9	42.7	0	0	0.292
SFTC073019_54	TC2PR	1243158.007619	2371253.456015	30-07-2019 13:13:43	0.000000	0.002079	0.290661	780.5	42.8	-0.001	0.009	1.258
SFTC073019_55	TC2PR	1243215.318482	2371371.867263	30-07-2019 13:17:23	0.000000	0.001849	0.071884	780.8	42.8	0	0.008	0.311

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC073019_56	TC2PR	1243220.901682	2371478.053517	30-07-2019 13:19:45	0.000000	0.002310	0.353440	780.6	42.9	-0.812	0.01	1.53
SFTC073019_57	TC2PR	1243131.342349	2371505.928558	30-07-2019 13:22:15	0.251104	0.000000	0.650745	780.6	42.9	1.087	-0.002	2.817
SFTC073019_58	TC2PR	1243128.740953	2371571.486597	30-07-2019 13:25:11	0.000000	0.002078	0.214768	780.6	43.0	0	0.009	0.93
SFTC073019_59	TC2PR	1243369.347936	2371561.276923	30-07-2019 13:28:11	0.000000	0.000000	0.059312	780.6	43.2	-0.462	-0.002	0.257
SFTC073019_60	TC2PR	1243326.470645	2371422.530623	30-07-2019 13:31:37	0.000000	0.000000	0.035035	780.1	43.4	-0.5	-0.003	0.152
SFTC073019_61	TC2PR	1243362.481746	2371246.795821	30-07-2019 13:35:34	13.388550	0.000000	0.601055	779.9	43.6	58.138	-0.012	2.61
SFTC073019_62	TC2PR	1243369.626287	2370948.891203	30-07-2019 13:39:33	0.000000	0.001842	0.195903	780.1	43.8	0	0.008	0.851
SFTC073019_63	TC2PR	1243222.711959	2370726.352863	30-07-2019 13:43:03	0.000000	0.001610	0.118710	780.1	44.0	0	0.007	0.516
SFTC073019_64	TC2PR	1243346.012475	2370750.116673	30-07-2019 13:45:48	0.000000	0.001380	0.127846	779.7	44.0	0	0.006	0.556
SFTC073019_65	TC2PR	1243439.51352	2370752.499614	30-07-2019 13:48:41	0.000000	0.000000	0.255842	779.7	44.1	0	-0.002	1.113
SFTC073019_66	TC2PR	1243458.336799	2370815.024132	30-07-2019 13:51:00	0.450770	0.000000	0.229637	779.7	44.1	1.961	-0.003	0.999
SFTC073019_67	TC2PR	1243600.030354	2370758.410089	30-07-2019 13:54:26	0.000000	0.000000	0.017240	779.7	44.1	0	-0.003	0.075
SFTC073019_68	TC2PR	1243593.452947	2370598.698539	30-07-2019 13:56:57	0.000000	0.000000	0.036738	778.6	44.0	0	-0.004	0.16
SFTC073019_69	TC2PR	1243565.294437	2370598.99661	30-07-2019 13:59:07	0.000000	0.000000	0.023421	778.6	44.0	0	-0.001	0.102
SFTC073119_100	TC2PR	1243152.516426	2375011.690857	31-07-2019 11:01:05	1.679383	0.001412	0.962068	780.9	37.2	7.136	0.006	4.088
SFTC073119_101	TC2PR	1243273.759165	2375034.318024	31-07-2019 11:04:05	0.000000	0.000941	0.053872	781.1	37.4	-0.605	0.004	0.229
SFTC073119_102	TC2PR	1243374.981991	2374972.193562	31-07-2019 11:07:15	0.000000	0.000235	0.054785	781.2	37.6	-0.148	0.001	0.233
SFTC073119_103	TC2PR	1243422.665472	2375036.362044	31-07-2019 11:10:05	0.000000	0.000235	0.039496	781.6	37.8	-0.077	0.001	0.168
SFTC073119_104	TC2PR	1243454.711135	2375102.251257	31-07-2019 11:13:25	0.000000	0.002116	0.100398	782.2	38.0	0	0.009	0.427
SFTC073119_105	TC2PR	1243574.256994	2374947.664037	31-07-2019 11:16:32	0.000000	0.000941	0.046114	783.2	38.2	-1.061	0.004	0.196
SFTC073119_106	TC2PR	1243589.235607	2375081.084828	31-07-2019 11:19:10	0.000000	0.001411	0.041387	783.3	38.4	0	0.006	0.176
SFTC073119_107	TC2PR	1243602.575402	2375250.550778	31-07-2019 11:21:56	0.000000	0.000000	0.114175	783.3	38.7	0	0	0.486
SFTC073119_108	TC2PR	1243502.542659	2375244.718652	31-07-2019 11:24:47	0.000000	0.000704	0.144990	783.0	39.0	0	0.003	0.618
SFTC073119_109	TC2PR	1243456.12712	2375348.635093	31-07-2019 11:29:08	0.000000	0.000469	0.000000	783.1	39.4	0	0.002	-0.201
SFTC073119_110	TC2PR	1243573.390508	2375396.833538	31-07-2019 11:32:26	0.000000	0.000233	0.121648	781.0	39.7	-0.44	0.001	0.521
SFTC073119_111	TC2PR	1243604.189401	2375542.105338	31-07-2019 11:36:35	0.000000	0.000000	0.109705	781.0	39.8	-0.55	0	0.47

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC073119_112	TC2PR	1243476.913626	2375498.53562	31-07-2019 11:41:05	0.000000	0.001165	0.079244	780.1	39.9	-0.159	0.005	0.34
SFTC073119_113	TC2PR	1243583.112507	2375716.368563	31-07-2019 11:45:28	0.000000	0.000000	0.002559	778.6	39.9	-0.061	-0.001	0.011
SFTC073119_114	TC2PR	1243447.000298	2375682.75907	31-07-2019 11:50:20	0.000000	0.000930	0.080869	777.8	39.9	-0.288	0.004	0.348
SFTC073119_115	TC2PR	1243502.720057	2375748.731396	31-07-2019 11:53:01	0.000000	0.001160	0.045462	776.1	39.8	-0.215	0.005	0.196
SFTC073119_116	TC2PR	1243592.410335	2375874.536291	31-07-2019 11:57:25	0.000000	0.000000	0.121109	776.3	39.8	-0.333	-0.002	0.522
SFTC073119_117	TC2PR	1243581.791866	2376008.937314	31-07-2019 12:02:05	0.000000	0.001161	0.057118	776.9	39.8	-0.299	0.005	0.246
SFTC073119_118	TC2PR	1243554.44627	2376061.12339	31-07-2019 12:05:04	0.000000	0.000000	0.053725	774.6	39.7	-0.049	-0.001	0.232
SFTC073119_119	TC2PR	1243340.10003	2376012.22992	31-07-2019 12:10:49	0.000000	0.000000	0.078993	775.1	39.8	0	0	0.341
SFTC073119_120	TC2PR	1243411.469083	2375869.834128	31-07-2019 12:14:03	0.000000	0.001156	0.313239	773.5	39.8	0	0.005	1.355
SFTC073119_121	TC2PR	1243376.242911	2376086.150939	31-07-2019 12:18:45	0.000000	0.000000	0.217129	774.2	40.0	-0.773	-0.001	0.939
SFTC073119_122	TC2PR	1243192.698006	2376251.776752	31-07-2019 12:24:11	0.000000	0.001849	0.163840	774.2	40.2	-0.046	0.008	0.709
SFTC073119_123	TC2PR	1242966.677013	2376312.033906	31-07-2019 12:27:42	0.000000	0.000000	0.012273	775.8	40.2	0	-0.005	0.053
SFTC073119_124	TC2PR	1242743.676309	2376315.483434	31-07-2019 12:31:31	0.000000	0.000927	0.056057	776.3	40.3	-0.575	0.004	0.242
SFTC073119_125	TC2PR	1242590.361692	2376365.132122	31-07-2019 12:34:11	0.000000	0.000926	0.393589	775.7	40.4	0	0.004	1.701
SFTC073119_126	TC2PR	1242553.4064	2376172.835316	31-07-2019 12:37:48	0.000000	0.000926	0.203765	776.5	40.5	-0.568	0.004	0.88
SFTC073119_127	TC2PR	1242813.998853	2376213.837581	31-07-2019 12:42:03	0.000000	0.002318	0.365764	777.3	40.5	-0.514	0.01	1.578
SFTC073119_128	TC2PR	1242973.460617	2376171.394803	31-07-2019 12:45:51	0.000000	0.000000	0.109796	775.4	40.6	-1.762	-0.001	0.475
SFTC073119_129	TC2PR	1243179.653725	2376136.468727	31-07-2019 12:49:24	0.000000	0.000000	0.097333	775.8	40.7	-0.508	0	0.421
SFTC073119_130	TC2PR	1243145.596065	2375948.989315	31-07-2019 12:52:53	0.000000	0.000231	0.193075	774.3	40.8	0	0.001	0.837
SFTC073119_131	TC2PR	1242995.194431	2375983.106299	31-07-2019 12:56:48	0.000000	0.000000	0.444218	775.4	40.8	-0.192	0	1.923
SFTC073119_132	TC2PR	1242776.419722	2375921.591357	31-07-2019 13:00:27	0.000000	0.003008	0.195499	776.6	40.8	0	0.013	0.845
SFTC073119_133	TC2PR	1242586.347783	2375982.648047	31-07-2019 13:06:37	0.000000	0.000926	0.146074	777.8	41.1	0	0.004	0.631
SFTC073119_134	TC2PR	1242478.102463	2375950.471073	31-07-2019 13:09:28	0.000000	0.001390	0.146140	778.4	41.2	0	0.006	0.631
SFTC073119_135	TC2PR	1242427.96279	2375722.910631	31-07-2019 13:12:41	0.000000	0.000925	0.220953	778.1	41.4	0	0.004	0.955
SFTC073119_136	TC2PR	1242568.15533	2375775.13958	31-07-2019 13:15:29	0.000000	0.000000	0.043313	779.2	41.5	0	-0.002	0.187
SFTC073119_137	TC2PR	1242714.472779	2375778.897933	31-07-2019 13:18:50	0.000000	0.000463	0.022664	778.5	41.7	0	0.002	0.098

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC073119_138	TC2PR	1242989.047185	2375747.55262	31-07-2019 13:23:53	0.000000	0.000000	0.119025	778.5	41.9	0	-0.005	0.515
SFTC073119_139	TC2PR	1243126.365265	2375811.827668	31-07-2019 13:26:47	0.000000	0.002538	0.145582	777.4	42.0	0	0.011	0.631
SFTC073119_140	TC2PR	1243274.665645	2375765.019398	31-07-2019 13:29:47	0.000000	0.000691	0.087313	776.5	42.1	0	0.003	0.379
SFTC073119_141	TC2PR	1243295.971739	2375594.27198	31-07-2019 13:33:53	0.000000	0.000460	0.040709	775.7	42.3	0	0.002	0.177
SFTC073119_142	TC2PR	1243149.507757	2375636.596189	31-07-2019 13:37:07	0.000000	0.000230	0.153462	777.4	42.4	0	0.001	0.666
SFTC073119_143	TC2PR	1243001.713215	2375660.101963	31-07-2019 13:40:18	0.000000	0.001843	0.188912	777.5	42.5	-1.605	0.008	0.82
SFTC073119_144	TC2PR	1242740.155122	2375525.329277	31-07-2019 13:44:49	0.000000	0.000000	0.166410	778.1	42.6	-0.133	-0.003	0.722
SFTC073119_145	TC2PR	1242555.763212	2375519.693545	31-07-2019 13:47:39	0.000000	0.002541	0.198407	780.0	42.7	-0.036	0.011	0.859
SFTC073119_146	TC2PR	1242412.00494	2375509.560633	31-07-2019 13:50:14	0.000000	0.000692	0.038082	779.4	42.7	-0.085	0.003	0.165
SFTC073119_147	TC2PR	1242354.276372	2375327.067709	31-07-2019 13:52:51	0.000000	0.000000	0.096885	779.0	42.7	-0.159	-0.004	0.42
SFTC073119_148	TC2PR	1242551.9375	2375392.017222	31-07-2019 13:55:24	0.000000	0.001154	0.142208	779.6	42.7	-0.432	0.005	0.616
SFTC073119_149	TC2PR	1242565.298786	2375180.946729	31-07-2019 13:58:26	1.711755	0.000231	0.929212	780.0	42.7	7.411	0.001	4.023
SFTC073119_150	TC2PR	1242381.512656	2375095.837779	31-07-2019 14:01:13	0.000000	0.000000	0.029826	780.8	42.7	-7.932	-0.003	0.129
SFTC073119_151	TC2PR	1242494.065189	2374947.60794	31-07-2019 14:03:34	0.000000	0.000000	0.085736	780.4	42.7	-0.459	-0.002	0.371
SFTC073119_152	TC2PR	1242572.282656	2374964.197622	31-07-2019 14:05:32	0.000000	0.001155	0.123596	780.4	42.8	-0.634	0.005	0.535
SFTC073119_153	TC2PR	1242752.290772	2375240.456523	31-07-2019 14:09:23	0.000000	0.000000	0.014550	780.4	42.9	-0.068	-0.006	0.063
SFTC073119_154	TC2PR	1242748.138169	2375266.575401	31-07-2019 14:18:29	0.000000	0.000000	0.059963	780.6	42.2	-0.502	0	0.259
SFTC073119_155	TC2PR	1243033.413366	2375460.962821	31-07-2019 14:23:09	0.000000	0.001621	0.221564	780.6	42.2	0	0.007	0.957
SFTC073119_156	TC2PR	1243185.744069	2375486.929661	31-07-2019 14:26:02	0.000000	0.000000	0.066613	779.6	42.1	0	-0.004	0.288
SFTC073119_157	TC2PR	1243296.935712	2375418.539996	31-07-2019 14:28:42	0.000000	0.002542	0.039521	779.0	42.1	0	0.011	0.171
SFTC073119_158	TC2PR	1243315.565604	2375295.762982	31-07-2019 14:32:04	0.000000	0.003696	0.090558	778.9	42.2	0	0.016	0.392
SFTC073119_159	TC2PR	1243181.932174	2375363.350982	31-07-2019 14:35:47	0.000000	0.002544	0.015727	780.3	42.4	0	0.011	0.068
SFTC073119_160	TC2PR	1243029.264931	2375326.764608	31-07-2019 14:39:18	0.000000	0.000000	0.051735	779.7	42.6	0	0	0.224
SFTC073119_161	TC2PR	1243001.762856	2375161.856073	31-07-2019 14:44:17	0.000000	0.000000	0.151425	780.5	43.1	0	-0.002	0.656
SFTC073119_162	TC2PR	1243195.166907	2375178.521098	31-07-2019 14:47:35	0.000000	0.000000	0.010844	780.6	43.3	0	-0.004	0.047
SFTC073119_163	TC2PR	1243318.913964	2375145.836318	31-07-2019 14:50:01	0.000000	0.000000	0.024464	781.1	43.4	0	-0.004	0.106

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC073119_70	TC2PR	1243032.225984	2374330.398319	31-07-2019 09:20:16	0.000000	0.000000	0.067660	781.2	30.3	-4.715	-0.001	0.281
SFTC073119_71	TC2PR	1242986.417984	2374335.089749	31-07-2019 09:23:13	0.000000	0.000481	0.089905	781.2	30.8	0	0.002	0.374
SFTC073119_72	TC2PR	1242956.058626	2374439.652281	31-07-2019 09:27:44	0.000000	0.000240	0.070507	780.9	31.4	0	0.001	0.294
SFTC073119_73	TC2PR	1242600.838435	2374409.522454	31-07-2019 09:31:56	0.000000	0.000479	0.130457	780.2	31.7	0	0.002	0.545
SFTC073119_74	TC2PR	1242608.381713	2374549.478913	31-07-2019 09:34:52	0.000000	0.000957	0.106970	780.5	31.9	0	0.004	0.447
SFTC073119_75	TC2PR	1242699.202129	2374742.169334	31-07-2019 09:38:14	0.000000	0.000478	0.111668	780.4	32.1	0	0.002	0.467
SFTC073119_76	TC2PR	1242859.801548	2374826.268941	31-07-2019 09:42:31	0.000000	0.001194	0.058049	780.4	32.4	0	0.005	0.243
SFTC073119_77	TC2PR	1242838.394856	2374750.501556	31-07-2019 09:45:12	0.000000	0.000477	0.221441	779.8	32.5	0	0.002	0.928
SFTC073119_78	TC2PR	1242850.931675	2374553.636612	31-07-2019 09:48:00	0.000000	0.000477	0.180280	779.8	32.7	0	0.002	0.756
SFTC073119_79	TC2PR	1242961.455613	2374547.83754	31-07-2019 09:50:54	0.000000	0.000953	0.060296	780.1	33.0	0	0.004	0.253
SFTC073119_80	TC2PR	1243008.476914	2374654.590932	31-07-2019 09:53:40	0.000000	0.000715	0.131945	780.1	33.2	0	0.003	0.554
SFTC073119_81	TC2PR	1242997.652095	2374745.226352	31-07-2019 09:56:23	0.000000	0.001190	0.110214	780.2	33.4	-0.347	0.005	0.463
SFTC073119_82	TC2PR	1243096.647391	2374614.506027	31-07-2019 10:00:03	0.000000	0.000713	0.113659	780.1	33.7	-0.502	0.003	0.478
SFTC073119_83	TC2PR	1243092.033926	2374548.007843	31-07-2019 10:03:24	0.000000	0.001189	0.156467	780.9	34.0	0	0.005	0.658
SFTC073119_84	TC2PR	1243071.911134	2374453.23805	31-07-2019 10:06:07	0.000000	0.000713	0.086262	780.9	34.2	0	0.003	0.363
SFTC073119_85	TC2PR	1243082.262005	2374379.01517	31-07-2019 10:08:54	0.000000	0.000475	0.080506	780.9	34.4	0	0.002	0.339
SFTC073119_86	TC2PR	1243172.65462	2374501.543821	31-07-2019 10:12:06	0.000000	0.001187	0.228160	781.2	34.6	0	0.005	0.961
SFTC073119_87	TC2PR	1243186.693806	2374563.577344	31-07-2019 10:15:04	0.000000	0.000000	0.218214	781.8	34.8	-0.314	0	0.919
SFTC073119_88	TC2PR	1243153.609425	2374709.391525	31-07-2019 10:20:04	0.000000	0.001898	0.023010	781.8	35.1	-0.611	0.008	0.097
SFTC073119_89	TC2PR	1243199.511948	2374647.102575	31-07-2019 10:23:27	0.000000	0.000237	0.281999	780.6	35.2	0	0.001	1.191
SFTC073119_90	TC2PR	1243256.971842	2374659.205012	31-07-2019 10:25:59	0.000000	0.001185	0.256027	781.8	35.3	0	0.005	1.08
SFTC073119_91	TC2PR	1243291.162814	2374565.935443	31-07-2019 10:31:04	0.000000	0.001896	0.816066	782.2	35.6	0	0.008	3.444
SFTC073119_92	TC2PR	1243337.439113	2374630.836616	31-07-2019 10:33:42	0.000000	0.001185	0.294189	782.8	35.7	0	0.005	1.241
SFTC073119_93	TC2PR	1243436.135728	2374741.323784	31-07-2019 10:37:09	0.000000	0.000948	0.108976	782.8	35.9	-0.475	0.004	0.46
SFTC073119_94	TC2PR	1243254.89008	2374765.177972	31-07-2019 10:41:39	0.000000	0.000473	0.298976	783.2	36.3	-0.459	0.002	1.263
SFTC073119_95	TC2PR	1243259.746452	2374951.623714	31-07-2019 10:45:33	0.000000	0.001180	0.129373	781.6	36.5	-1.521	0.005	0.548

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC073119_96	TC2PR	1243222.226805	2374935.534921	31-07-2019 10:48:16	0.919484	0.000000	0.568901	780.8	36.6	3.9	-0.001	2.413
SFTC073119_97	TC2PR	1243181.365224	2374905.677724	31-07-2019 10:51:29	0.000000	0.000707	0.101504	780.2	36.7	0	0.003	0.431
SFTC073119_98	TC2PR	1243044.400284	2374986.208059	31-07-2019 10:54:36	0.000000	0.000706	0.083765	780.0	36.9	-0.448	0.003	0.356
SFTC073119_99	TC2PR	1243038.134086	2375039.496293	31-07-2019 10:57:32	0.000000	0.000706	0.070127	780.6	37.1	0	0.003	0.298
SFTC080119_164	TC2PR	1242630.958031	2376797.403986	01-08-2019 09:28:21	0.000000	0.000000	0.212926	779.7	27.9	-0.164	-0.004	0.879
SFTC080119_165	TC2PR	1242584.918635	2376577.804416	01-08-2019 09:33:12	0.000000	0.000000	0.087003	779.7	28.6	-0.772	0	0.36
SFTC080119_166	TC2PR	1242778.709421	2376506.388284	01-08-2019 09:38:30	0.000000	0.000482	0.259434	778.7	29.2	0	0.002	1.077
SFTC080119_167	TC2PR	1242993.496933	2376557.862478	01-08-2019 09:42:48	0.000000	0.000721	0.234914	778.3	29.6	0	0.003	0.977
SFTC080119_168	TC2PR	1243030.226148	2376721.253343	01-08-2019 09:46:25	0.000000	0.000723	0.571620	780.5	29.9	-0.662	0.003	2.373
SFTC080119_169	TC2PR	1242954.651942	2376903.018395	01-08-2019 09:50:58	0.000000	0.000962	0.041354	779.8	30.2	0	0.004	0.172
SFTC080119_170	TC2PR	1243038.820971	2377078.682831	01-08-2019 09:55:55	0.000000	0.000240	0.000000	777.9	30.5	0	0.001	-0.033
SFTC080119_171	TC2PR	1243023.257188	2377180.389285	01-08-2019 10:00:08	0.000000	0.000716	0.012894	776.0	30.8	-2.399	0.003	0.054
SFTC080119_172	TC2PR	1243087.676683	2377164.5961	01-08-2019 10:03:08	0.000000	0.001193	0.032448	775.6	30.9	-0.987	0.005	0.136
SFTC080119_173	TC2PR	1243100.051255	2377221.578265	01-08-2019 10:06:26	0.000000	0.000715	0.020722	774.8	31.1	0	0.003	0.087
SFTC080119_174	TC2PR	1243023.764128	2377258.808366	01-08-2019 10:09:49	0.000000	0.000713	0.311211	774.4	31.5	-0.248	0.003	1.309
SFTC080119_175	TC2PR	1242955.585698	2377248.814601	01-08-2019 10:12:46	3.009584	0.000714	0.510635	775.2	31.7	12.654	0.003	2.147
SFTC080119_176	TC2PR	1242863.636162	2377382.990524	01-08-2019 10:17:39	0.000000	0.001188	0.121138	775.2	32.1	-0.101	0.005	0.51
SFTC080119_177	TC2PR	1242988.328631	2377389.986583	01-08-2019 10:21:30	0.000000	0.000237	0.084389	774.4	32.4	-0.147	0.001	0.356
SFTC080119_178	TC2PR	1243050.972195	2377394.33017	01-08-2019 10:24:20	0.000000	0.000237	0.459923	773.4	32.6	-2.079	0.001	1.944
SFTC080119_179	TC2PR	1243173.58969	2377362.23277	01-08-2019 10:27:26	0.000000	0.000236	0.046795	773.1	32.8	0	0.001	0.198
SFTC080119_180	TC2PR	1243177.585239	2377516.462769	01-08-2019 10:32:03	0.000000	0.000708	0.070097	772.8	33.1	-0.274	0.003	0.297
SFTC080119_181	TC2PR	1243255.748239	2377798.488358	01-08-2019 10:40:16	0.000000	0.000235	0.089343	771.1	33.6	-0.22	0.001	0.38
SFTC080119_182	TC2PR	1243205.012881	2377985.261556	01-08-2019 10:44:37	0.000000	0.000234	0.042307	767.1	33.8	0	0.001	0.181
SFTC080119_183	TC2PR	1243019.555461	2378081.504889	01-08-2019 10:50:08	0.000000	0.001167	0.178731	766.5	34.1	0	0.005	0.766
SFTC080119_184	TC2PR	1242971.239603	2377913.435848	01-08-2019 10:55:27	0.000000	0.001403	0.105211	768.8	34.4	0	0.006	0.45
SFTC080119_185	TC2PR	1242968.095442	2377805.405286	01-08-2019 11:00:11	0.000000	0.001168	0.066370	769.7	34.9	0	0.005	0.284

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC080119_186	TC2PR	1243018.481745	2377566.402938	01-08-2019 11:06:04	0.000000	0.000000	0.107037	770.3	35.8	-0.798	0	0.459
SFTC080119_187	TC2PR	1242789.6726	2377598.737472	01-08-2019 11:13:33	0.000000	0.001163	0.110673	771.5	37.2	0	0.005	0.476
SFTC080119_188	TC2PR	1242769.375016	2377819.998591	01-08-2019 11:18:09	0.000000	0.000931	0.101505	774.0	37.8	0	0.004	0.436
SFTC080119_189	TC2PR	1242824.417912	2377995.493358	01-08-2019 11:24:19	0.000000	0.000464	0.204923	772.8	38.3	-1.287	0.002	0.883
SFTC080119_190	TC2PR	1242763.885448	2378210.217061	01-08-2019 11:29:51	0.000000	0.001156	0.020345	771.1	38.8	-0.661	0.005	0.088
SFTC080119_191	TC2PR	1242802.10405	2378358.509067	01-08-2019 11:35:38	0.000000	0.000694	0.037692	772.0	39.1	-0.434	0.003	0.163
SFTC080119_192	TC2PR	1242721.57468	2378544.454299	01-08-2019 11:40:33	0.000000	0.000692	0.117805	769.9	39.2	0	0.003	0.511
SFTC080119_193	TC2PR	1242613.791504	2378574.167191	01-08-2019 11:44:01	0.000000	0.000691	0.043979	769.2	39.3	-0.346	0.003	0.191
SFTC080119_194	TC2PR	1242645.737889	2378413.601214	01-08-2019 11:49:28	0.000000	0.000230	0.064044	769.6	39.3	0	0.001	0.278
SFTC080119_195	TC2PR	1242442.096385	2378532.048133	01-08-2019 11:53:07	0.000000	0.001153	0.107711	770.5	39.3	0	0.005	0.467
SFTC080119_196	TC2PR	1242179.522641	2378607.129439	01-08-2019 11:58:44	0.000000	0.001383	0.026502	770.1	39.4	-0.441	0.006	0.115
SFTC080119_197	TC2PR	1242114.752424	2378699.163106	01-08-2019 12:01:42	0.000000	0.000923	0.063901	770.9	39.4	-0.475	0.004	0.277
SFTC080119_198	TC2PR	1242450.30271	2378386.305494	01-08-2019 12:09:15	0.000000	0.000000	0.103356	771.2	39.5	-0.359	0	0.448
SFTC080119_199	TC2PR	1242437.407061	2378267.65334	01-08-2019 12:18:47	0.000000	0.000691	0.138830	770.6	39.9	0	0.003	0.603
SFTC080119_200	TC2PR	1242173.976896	2378354.969278	01-08-2019 12:25:15	0.000000	0.001152	0.046301	771.5	40.1	0	0.005	0.201
SFTC080119_201	TC2PR	1242217.081153	2378237.720739	01-08-2019 12:29:38	0.000000	0.000692	0.080959	772.5	40.1	0	0.003	0.351
SFTC080119_202	TC2PR	1242182.679196	2378014.973213	01-08-2019 12:35:54	0.000000	0.000923	0.028138	772.7	40.2	0	0.004	0.122
SFTC080119_203	TC2PR	1242400.177374	2378020.720393	01-08-2019 12:41:09	0.000000	0.000923	0.396111	773.6	40.3	0	0.004	1.716
SFTC080119_204	TC2PR	1242574.482481	2378156.528515	01-08-2019 12:46:48	0.000000	0.001385	0.155763	773.6	40.4	0	0.006	0.675
SFTC080119_205	TC2PR	1242617.109123	2377939.053898	01-08-2019 12:53:01	0.000000	0.001383	0.356574	773.2	40.6	0	0.006	1.547
SFTC080119_206	TC2PR	1242564.65042	2377814.585398	01-08-2019 12:57:45	0.868270	0.000461	0.197072	773.2	40.6	3.767	0.002	0.855
SFTC080119_207	TC2PR	1242604.613394	2377708.043511	01-08-2019 13:00:51	0.000000	0.000461	0.288859	774.2	40.7	0	0.002	1.252
SFTC080119_208	TC2PR	1242572.265745	2377665.213489	01-08-2019 13:03:52	28.071830	0.001615	0.665794	774.4	40.7	121.64	0.007	2.885
SFTC080119_209	TC2PR	1242563.786742	2377596.88816	01-08-2019 13:06:56	2.429962	0.000693	1.957315	774.8	40.7	10.524	0.003	8.477
SFTC080119_210	TC2PR	1242524.727167	2377637.634645	01-08-2019 13:09:36	23.730810	0.000924	0.519919	775.3	40.8	102.743	0.004	2.251
SFTC080119_211	TC2PR	1242446.486707	2377804.749263	01-08-2019 13:13:20	0.000000	0.000923	0.112433	775.2	40.9	0	0.004	0.487

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC080119_212	TC2PR	1242438.860808	2377722.650486	01-08-2019 13:17:09	30.227600	0.001846	0.845879	775.0	41.0	131.005	0.008	3.666
SFTC080119_213	TC2PR	1242416.786606	2377644.580126	01-08-2019 13:21:44	2.648332	0.002308	2.661950	775.5	41.1	11.474	0.01	11.533
SFTC080119_214	TC2PR	1242206.022421	2377587.666604	01-08-2019 13:27:00	0.000000	0.000231	0.212472	776.1	41.5	-12.179	0.001	0.921
SFTC080119_215	TC2PR	1242190.508539	2377661.901664	01-08-2019 13:30:00	0.000000	0.000922	0.231613	775.8	41.7	-0.241	0.004	1.005
SFTC080119_216	TC2PR	1242186.947221	2377367.352998	01-08-2019 13:33:59	0.000000	0.001611	0.000000	775.4	41.9	-0.202	0.007	-0.024
SFTC080119_217	TC2PR	1242352.197556	2377360.98075	01-08-2019 13:37:14	0.000000	0.000000	0.101405	776.8	42.1	0	-0.003	0.44
SFTC080119_218	TC2PR	1242583.976351	2377392.523728	01-08-2019 13:41:40	139.340400	0.001152	0.708552	776.9	42.3	604.911	0.005	3.076
SFTC080119_219	TC2PR	1242585.84853	2377292.578778	01-08-2019 13:44:25	1.681601	0.001608	0.948442	775.4	42.5	7.319	0.007	4.128
SFTC080119_220	TC2PR	1242558.556935	2377141.544891	01-08-2019 13:47:46	13.316460	0.000919	0.716579	776.1	42.7	57.943	0.004	3.118
SFTC080119_221	TC2PR	1242451.193091	2377172.075006	01-08-2019 13:50:48	4.379915	0.001380	6.798894	777.0	42.9	19.048	0.006	29.568
SFTC080119_222	TC2PR	1242363.328715	2377198.654506	01-08-2019 13:53:24	0.000000	0.000920	0.090115	777.3	43.1	-0.352	0.004	0.392
SFTC080119_223	TC2PR	1242205.227532	2377167.272165	01-08-2019 13:56:27	0.000000	0.000000	0.079500	777.4	43.3	0	0	0.346
SFTC080119_224	TC2PR	1242260.674103	2377035.702837	01-08-2019 13:59:25	0.000000	0.000000	0.058580	777.5	43.4	0	-0.002	0.255
SFTC080119_225	TC2PR	1242241.155555	2376825.287078	01-08-2019 14:02:55	0.000000	0.000230	0.000000	777.8	43.7	0	0.001	-0.024
SFTC080119_226	TC2PR	1242401.540665	2376972.878362	01-08-2019 14:07:13	0.000000	0.000000	0.208101	776.9	43.9	-1.111	0	0.908
SFTC080119_227	TC2PR	1242520.954217	2376995.913477	01-08-2019 14:09:59	2.035577	0.002294	0.874848	778.0	44.0	8.872	0.01	3.813
SFTC080119_228	TC2PR	1242446.174276	2376844.362601	01-08-2019 14:12:50	0.000000	0.000000	0.044287	778.1	44.0	0	0	0.193
SFTC080119_229	TC2PR	1242583.982439	2376890.62852	01-08-2019 14:15:39	0.000000	0.000000	0.249069	778.4	44.0	0	-0.002	1.085
SFTC080119_230	TC2PR	1242748.261108	2376819.604592	01-08-2019 14:18:46	0.000000	0.000000	0.309212	778.4	44.0	-0.375	-0.002	1.347
SFTC080119_231	TC2PR	1242807.493431	2376908.160848	01-08-2019 14:21:36	0.301178	0.000000	0.597765	778.4	44.0	1.312	-0.001	2.604
SFTC080119_232	TC2PR	1242743.710872	2376970.418532	01-08-2019 14:24:46	0.000000	0.000459	0.174316	777.5	43.9	-0.278	0.002	0.76
SFTC080119_233	TC2PR	1242833.748491	2376990.074312	01-08-2019 14:27:41	19.967270	0.000459	1.719668	776.9	43.8	87.095	0.002	7.501
SFTC080119_234	TC2PR	1242871.28582	2377053.420813	01-08-2019 14:30:26	40.715860	0.000229	1.882671	776.9	43.8	177.598	0.001	8.212
SFTC080119_235	TC2PR	1242904.878285	2377139.6866	01-08-2019 14:33:47	292.752400	0.000000	1.010725	776.1	44.0	1279.076	-0.001	4.416
SFTC080119_236	TC2PR	1242849.40486	2377200.47122	01-08-2019 14:37:17	0.000000	0.000000	0.128832	775.3	44.3	-3.369	-0.002	0.564
SFTC080119_237	TC2PR	1242798.826146	2377181.814871	01-08-2019 14:40:05	0.000000	0.000456	0.143232	774.6	44.5	0	0.002	0.628

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver080519_01	TC2PR	1238645.127422	2389505.394541	05-08-2019 09:38:03	0.000000	0.000245	0.079569	790.4	28.8	-1.183	0.001	0.325
PineRiver080519_02	TC2PR	1238652.523423	2389472.402201	05-08-2019 09:40:57	0.000000	0.000733	0.122905	790.4	29.4	-0.001	0.003	0.503
PineRiver080519_03	TC2PR	1238648.793034	2389442.17248	05-08-2019 09:43:08	0.000000	0.000244	0.270842	790.6	29.9	-0.391	0.001	1.11
PineRiver080519_04	TC2PR	1238641.887241	2389397.646781	05-08-2019 09:45:23	0.000000	0.000244	0.093786	790.6	30.4	0	0.001	0.385
PineRiver080519_05	TC2PR	1238606.091591	2389405.933176	05-08-2019 09:48:00	0.000000	0.000973	0.177986	790.7	31.0	-0.001	0.004	0.732
PineRiver080519_06	TC2PR	1238607.741055	2389447.579447	05-08-2019 09:50:35	0.000000	0.000970	0.231085	790.6	31.8	-0.001	0.004	0.953
PineRiver080519_07	TC2PR	1238615.208354	2389458.084548	05-08-2019 09:52:58	0.000000	0.000726	0.225578	790.7	32.4	0	0.003	0.932
PineRiver080519_08	TC2PR	1238619.327791	2389467.658102	05-08-2019 09:55:52	1.595924	0.001448	0.296444	790.7	33.2	6.611	0.006	1.228
PineRiver080519_09	TC2PR	1238611.372378	2389499.356867	05-08-2019 09:58:15	0.000000	0.000241	0.249766	790.7	33.9	0	0.001	1.037
PineRiver080519_10	TC2PR	1238607.842516	2389501.377947	05-08-2019 10:01:35	4.197617	0.000240	0.420482	790.6	34.6	17.47	0.001	1.75
PineRiver080519_11	TC2PR	1238607.287181	2389479.478435	05-08-2019 10:03:43	0.000000	0.001438	0.154626	790.6	35.3	-0.168	0.006	0.645
PineRiver080519_12	TC2PR	1238598.742987	2389521.993847	05-08-2019 10:06:00	0.000000	0.000479	0.249905	790.7	35.8	-1.712	0.002	1.044
PineRiver080519_13	TC2PR	1238543.054126	2389512.788319	05-08-2019 10:08:19	0.000000	0.000956	0.272648	790.6	36.3	0	0.004	1.141
PineRiver080519_14	TC2PR	1238539.92093	2389468.597427	05-08-2019 10:10:39	0.000000	0.000000	0.250737	790.6	36.8	0	0	1.051
PineRiver080519_15	TC2PR	1238550.179013	2389426.692187	05-08-2019 10:12:52	0.000000	0.000715	0.293244	790.7	37.3	-0.086	0.003	1.231
PineRiver080519_16	TC2PR	1237949.693908	2389593.723012	05-08-2019 10:29:14	0.000000	0.000000	0.105956	790.6	40.2	-0.204	-0.003	0.449
PineRiver080519_17	TC2PR	1237947.948972	2389536.689946	05-08-2019 10:31:57	0.000000	0.000708	0.278298	790.9	40.5	-0.923	0.003	1.18
PineRiver080519_18	TC2PR	1237950.222822	2389489.968386	05-08-2019 10:34:18	0.000000	0.000236	0.195218	790.9	40.6	-0.002	0.001	0.828
PineRiver080519_19	TC2PR	1237958.886774	2389436.897912	05-08-2019 10:36:34	0.000000	0.000707	0.182664	790.9	40.7	0	0.003	0.775
PineRiver080519_20	TC2PR	1238003.471071	2389440.994508	05-08-2019 10:38:57	0.000000	0.000236	0.452953	790.9	40.9	-0.535	0.001	1.923
PineRiver080519_21	TC2PR	1238054.422008	2389441.881695	05-08-2019 10:41:50	0.000000	0.001412	0.240027	790.9	41.2	0	0.006	1.02
PineRiver080519_22	TC2PR	1238112.219932	2389453.462461	05-08-2019 10:44:17	0.000000	0.000940	0.265188	790.9	41.5	0	0.004	1.128
PineRiver080519_23	TC2PR	1238088.275345	2389508.729614	05-08-2019 10:46:45	0.000000	0.000705	0.259299	790.9	41.8	0	0.003	1.104
PineRiver080519_24	TC2PR	1238060.938544	2389505.006533	05-08-2019 10:49:18	7.309064	0.000000	0.439290	790.7	42.0	31.147	-0.001	1.872
PineRiver080519_25	TC2PR	1238034.114148	2389488.665145	05-08-2019 10:51:54	0.980519	0.000235	0.285477	790.9	42.2	4.18	0.001	1.217
PineRiver080519_26	TC2PR	1237990.471404	2389519.421067	05-08-2019 10:54:16	0.000000	0.000938	0.328664	790.9	42.4	-0.028	0.004	1.402

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver080519_27	TC2PR	1237996.777522	2389562.910135	05-08-2019 10:56:38	0.000000	0.001640	0.243648	790.9	42.6	-0.625	0.007	1.04
PineRiver080519_28	TC2PR	1237999.817455	2389604.740393	05-08-2019 11:00:10	0.000000	0.003043	0.496726	791.0	42.9	-0.668	0.013	2.122
PineRiver080519_29	TC2PR	1238042.945347	2389604.586033	05-08-2019 11:02:28	0.000000	0.000000	0.090784	790.9	43.0	-0.596	-0.001	0.388
PineRiver080519_30	TC2PR	1238052.670858	2389552.686839	05-08-2019 11:04:42	0.000000	0.000234	0.155732	790.9	43.2	-0.087	0.001	0.666
PineRiver080519_31	TC2PR	1238096.424767	2389575.661035	05-08-2019 11:06:57	0.000000	0.000701	0.197009	790.7	43.3	0	0.003	0.843
PineRiver080519_32	TC2PR	1238114.565686	2389630.230463	05-08-2019 11:09:37	0.000000	0.000467	0.045070	790.6	43.5	0	0.002	0.193
PineRiver080519_33	TC2PR	1238140.437449	2389574.63285	05-08-2019 11:11:46	0.000000	0.001634	0.177210	790.7	43.6	0	0.007	0.759
PineRiver080519_34	TC2PR	1238160.834107	2389521.583849	05-08-2019 11:16:09	0.000000	0.000000	0.040610	790.9	43.8	-0.185	-0.002	0.174
PineRiver080519_35	TC2PR	1238183.149502	2389157.748748	05-08-2019 11:22:04	0.000000	0.001166	0.295892	790.9	44.1	0	0.005	1.269
PineRiver080519_36	TC2PR	1238397.13513	2389152.93808	05-08-2019 11:25:17	0.000000	0.000000	0.220303	791.0	44.2	-0.102	0	0.945
PineRiver080519_37	TC2PR	1238381.254795	2388954.834358	05-08-2019 11:28:30	0.000000	0.000699	0.344873	790.9	44.3	0	0.003	1.48
PineRiver080519_38	TC2PR	1238350.406621	2388729.890224	05-08-2019 11:31:38	0.000000	0.000233	0.086657	790.9	44.4	-0.309	0.001	0.372
PineRiver080519_39	TC2PR	1238146.101131	2388989.984118	05-08-2019 11:35:29	0.000000	0.000233	0.181177	790.9	44.5	0	0.001	0.778
PineRiver080519_40	TC2PR	1238165.672303	2388777.695637	05-08-2019 11:38:25	0.000000	0.000466	0.536380	791.0	44.5	-0.39	0.002	2.303
PineRiver080519_41	TC2PR	1238202.265809	2388599.618328	05-08-2019 11:42:44	0.000000	0.000000	0.120840	791.0	44.6	0	-0.001	0.519
PineRiver080519_42	TC2PR	1238148.512348	2388360.107129	05-08-2019 11:46:00	0.000000	0.000466	0.119675	791.0	44.6	-0.709	0.002	0.514
PineRiver080519_43	TC2PR	1238182.357875	2388296.372976	05-08-2019 11:49:37	0.706877	0.000000	0.113156	791.0	44.6	3.036	0	0.486
PineRiver080519_44	TC2PR	1238164.043508	2388275.532908	05-08-2019 11:52:12	0.000000	0.000698	0.089873	791.0	44.6	-0.747	0.003	0.386
PineRiver080519_45	TC2PR	1238197.336629	2388287.903759	05-08-2019 11:54:40	0.000000	0.000233	0.131550	791.0	44.6	-0.357	0.001	0.565
PineRiver080519_46	TC2PR	1238238.980486	2388264.462647	05-08-2019 11:57:03	3.934823	0.000000	1.012457	790.9	44.6	16.902	-0.001	4.349
PineRiver080519_47	TC2PR	1238301.957474	2388305.282014	05-08-2019 11:59:32	3.406468	0.000932	1.099078	791.0	44.5	14.626	0.004	4.719
PineRiver080519_48	TC2PR	1238346.441728	2388393.967086	05-08-2019 12:02:18	0.000000	0.000932	0.115040	790.9	44.5	0	0.004	0.494
PineRiver080519_49	TC2PR	1238399.935792	2388478.85503	05-08-2019 12:05:28	0.000000	0.000000	0.003492	790.7	44.5	0	0	0.015
PineRiver080519_50	TC2PR	1238545.610073	2388388.017796	05-08-2019 12:08:13	0.000000	0.000699	0.036573	790.9	44.4	-0.33	0.003	0.157
PineRiver080519_51	TC2PR	1238570.47395	2388177.86944	05-08-2019 12:11:49	0.000000	0.001165	0.273680	790.8	44.4	0	0.005	1.175
PineRiver080519_52	TC2PR	1238385.214208	2388182.517128	05-08-2019 12:15:12	0.000000	0.000932	0.512584	790.8	44.3	-0.434	0.004	2.2

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver080519_53	TC2PR	1238141.735233	2388154.240862	05-08-2019 12:19:04	0.000000	0.000233	0.000000	790.9	44.2	-0.161	0.001	-0.012
PineRiver080519_54	TC2PR	1238168.662522	2388003.600338	05-08-2019 12:23:33	0.000000	0.000000	0.000000	790.9	44.1	-0.35	-0.005	-0.474
PineRiver080519_55	TC2PR	1238341.518602	2387914.767134	05-08-2019 12:32:01	0.000000	0.000000	0.308444	790.9	43.9	0	0	1.322
PineRiver080519_56	TC2PR	1238585.122738	2387925.861094	05-08-2019 12:36:33	0.000000	0.000233	0.379797	790.8	43.7	0	0.001	1.627
PineRiver080519_57	TC2PR	1238542.880578	2387784.182622	05-08-2019 12:42:35	0.000000	0.000000	0.872903	790.5	43.8	0	0	3.742
PineRiver080519_58	TC2PR	1238547.514364	2387694.63716	05-08-2019 12:46:59	0.000000	0.000000	0.042681	790.6	43.9	0	-0.003	0.183
PineRiver080519_59	TC2PR	1238351.993513	2387793.209772	05-08-2019 12:59:52	0.000000	0.000000	0.351441	790.5	44.1	-0.168	0	1.508
PineRiver080519_60	TC2PR	1238140.836733	2387776.836287	05-08-2019 13:04:40	0.000000	0.000000	0.341208	790.3	44.0	0	-0.001	1.464
PineRiver080519_61	TC2PR	1237990.761036	2387752.401565	05-08-2019 13:08:39	0.000000	0.000000	0.042209	790.5	43.9	-0.271	-0.001	0.181
PineRiver080519_62	TC2PR	1237999.496173	2387799.719862	05-08-2019 13:12:13	0.000000	0.000000	0.284358	790.5	43.8	-0.038	-0.001	1.219
PineRiver080519_63	TC2PR	1237959.082119	2387687.418649	05-08-2019 13:15:39	0.000000	0.000000	0.457213	790.5	43.8	0	-0.002	1.96
PineRiver080519_64	TC2PR	1237952.596603	2387749.55791	05-08-2019 13:18:01	0.000000	0.000467	0.397621	790.5	43.7	-0.345	0.002	1.704
PineRiver080519_65	TC2PR	1237949.121408	2387775.052098	05-08-2019 13:20:13	0.000000	0.000000	0.696536	790.5	43.7	0	0	2.985
PineRiver080519_66	TC2PR	1237919.804022	2387723.769154	05-08-2019 13:22:59	0.000000	0.000000	0.037335	790.5	43.7	-0.633	0	0.16
PineRiver080519_67	TC2PR	1237923.218568	2387671.272752	05-08-2019 13:25:12	0.000000	0.000700	0.038956	790.5	43.8	0	0.003	0.167
PineRiver080519_68	TC2PR	1237945.273009	2387629.321705	05-08-2019 13:27:22	0.000000	0.000700	0.044535	790.4	43.9	-0.066	0.003	0.191
PineRiver080519_69	TC2PR	1237976.280199	2387592.289144	05-08-2019 13:29:48	0.000000	0.000000	0.163420	790.5	44.0	0	0	0.701
PineRiver080519_70	TC2PR	1238028.561079	2387515.475012	05-08-2019 13:32:34	0.000000	0.000000	0.060349	790.6	44.2	-0.694	-0.002	0.259
PineRiver080519_71	TC2PR	1238101.933281	2387544.107296	05-08-2019 13:36:54	0.000000	0.000000	0.023498	790.4	44.6	0	-0.002	0.101
PineRiver080519_72	TC2PR	1238289.490811	2387567.517756	05-08-2019 13:39:47	0.000000	0.000000	0.012084	790.2	44.9	-1.446	-0.003	0.052
PineRiver080519_73	TC2PR	1238337.242695	2387301.173826	05-08-2019 14:04:00	0.000000	0.000000	0.247169	790.2	45.9	0	-0.031	1.067
PineRiver080519_74	TC2PR	1238395.23969	2387131.740181	05-08-2019 14:06:53	0.000000	0.000000	0.101018	790.1	45.8	0	-0.005	0.436
PineRiver080519_75	TC2PR	1238339.167764	2387044.796542	05-08-2019 14:09:48	0.000000	0.000000	0.014365	790.1	45.8	0	-0.003	0.062
PineRiver080519_76	TC2PR	1238470.281111	2386990.100198	05-08-2019 14:12:37	0.000000	0.000927	0.045174	790.0	45.8	0	0.004	0.195
PineRiver080519_77	TC2PR	1238566.254382	2386739.348127	05-08-2019 14:16:19	0.000000	0.000000	0.150368	790.1	45.8	0	-0.002	0.649
PineRiver080519_78	TC2PR	1238577.390909	2386633.748002	05-08-2019 14:19:06	0.000000	0.000000	0.002317	789.8	45.7	0	-0.003	0.01

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver080519_79	TC2PR	1238415.914782	2386791.79597	05-08-2019 14:22:02	0.000000	0.000000	0.008108	789.7	45.7	0	-0.005	0.035
PineRiver080519_80	TC2PR	1238208.645587	2386767.789173	05-08-2019 14:26:10	0.000000	0.000000	0.030108	789.8	45.8	0	-0.003	0.13
PineRiver080519_81	TC2PR	1238002.422685	2386810.913429	05-08-2019 14:29:38	0.000000	0.000000	0.080387	790.0	45.8	0	0	0.347
PineRiver080519_82	TC2PR	1238003.334052	2386965.913945	05-08-2019 14:32:36	0.000000	0.000000	0.015521	790.0	45.8	-2.725	-0.006	0.067
PineRiver080519_83	TC2PR	1237969.28605	2387183.439722	05-08-2019 14:36:00	0.000000	0.000926	0.137564	790.0	45.9	0	0.004	0.594
PineRiver080519_84	TC2PR	1237991.221045	2387330.36832	05-08-2019 14:39:10	0.000000	0.000000	0.045363	790.0	46.1	0	-0.003	0.196
PineRiver080519_85	TC2PR	1238155.430414	2387367.500074	05-08-2019 14:42:30	0.000000	0.000925	0.267383	790.0	46.3	0	0.004	1.156
PineRiver080519_86	TC2PR	1238125.741133	2387131.116421	05-08-2019 14:45:32	0.000000	0.000000	0.104951	789.8	46.4	0	-0.005	0.454
PineRiver080519_87	TC2PR	1238215.138641	2386990.700506	05-08-2019 14:48:48	0.000000	0.000000	0.003465	789.7	46.6	-1.728	-0.002	0.015
PineRiver080619_100	TC2PR	1238571.689891	2386031.153491	06-08-2019 10:39:59	64.065340	0.001412	1.898877	785.3	39.0	272.27	0.006	8.07
PineRiver080619_101	TC2PR	1238549.544189	2386128.593692	06-08-2019 10:43:43	1.499739	0.002116	0.643249	784.9	39.1	6.379	0.009	2.736
PineRiver080619_102	TC2PR	1238512.580311	2386039.88868	06-08-2019 10:46:21	0.000000	0.000470	0.155580	785.1	39.3	-3.47	0.002	0.662
PineRiver080619_103	TC2PR	1238549.642668	2385963.746017	06-08-2019 10:49:19	0.000000	0.000000	0.086173	784.9	39.5	-0.48	-0.001	0.367
PineRiver080619_104	TC2PR	1238620.366826	2385844.55808	06-08-2019 10:54:41	0.000000	0.000000	0.057168	784.7	40.1	0	-0.002	0.244
PineRiver080619_105	TC2PR	1238695.898207	2385845.48187	06-08-2019 10:57:44	0.000000	0.000000	0.259869	785.1	40.5	0	0	1.11
PineRiver080619_106	TC2PR	1238758.232214	2385861.227109	06-08-2019 11:00:39	0.000000	0.000000	0.082195	786.3	40.9	-0.051	0	0.351
PineRiver080619_107	TC2PR	1238818.47988	2385767.0859	06-08-2019 11:04:01	0.000000	0.000000	0.106228	786.4	41.2	-0.231	-0.001	0.454
PineRiver080619_108	TC2PR	1238885.250011	2385662.368403	06-08-2019 11:08:41	0.000000	0.000000	0.000000	786.2	41.5	0	-0.004	-0.036
PineRiver080619_109	TC2PR	1238916.33836	2385560.334289	06-08-2019 11:12:46	0.000000	0.000467	0.104537	785.5	41.7	0	0.002	0.448
PineRiver080619_110	TC2PR	1238852.548146	2385538.744928	06-08-2019 11:16:30	0.000000	0.000000	0.365206	785.3	42.0	-0.001	-0.002	1.567
PineRiver080619_111	TC2PR	1238778.758572	2385528.511481	06-08-2019 11:19:53	0.000000	0.000233	0.389674	785.1	42.3	0	0.001	1.674
PineRiver080619_112	TC2PR	1238762.039158	2385614.635359	06-08-2019 11:23:25	0.000000	0.000000	0.119196	784.4	42.6	0	-0.004	0.513
PineRiver080619_113	TC2PR	1238800.253501	2385640.252591	06-08-2019 11:26:06	0.857503	0.000000	0.561292	784.8	42.8	3.691	-0.001	2.416
PineRiver080619_114	TC2PR	1238803.648779	2385652.122745	06-08-2019 11:28:50	0.000000	0.000000	0.313829	785.2	43.0	-1.543	0	1.351
PineRiver080619_115	TC2PR	1238749.627209	2385716.96472	06-08-2019 11:32:02	0.000000	0.000000	0.359388	785.5	43.3	0	0	1.548
PineRiver080619_116	TC2PR	1238643.972609	2385721.799175	06-08-2019 11:38:23	0.473941	0.001623	0.326472	785.5	43.7	2.044	0.007	1.408

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver080619_117	TC2PR	1238624.295762	2385700.298848	06-08-2019 11:41:04	0.000000	0.000000	0.067796	784.6	44.0	-0.359	-0.002	0.293
PineRiver080619_118	TC2PR	1238505.721063	2385765.787462	06-08-2019 11:44:20	0.000000	0.000925	0.095477	784.4	44.2	0	0.004	0.413
PineRiver080619_119	TC2PR	1238571.887592	2385552.164019	06-08-2019 11:49:16	0.000000	0.001384	0.069192	783.8	44.7	0	0.006	0.3
PineRiver080619_120	TC2PR	1238671.056961	2385607.25242	06-08-2019 11:52:12	0.000000	0.000000	0.261790	783.2	45.0	0	-0.001	1.137
PineRiver080619_121	TC2PR	1238713.933087	2385497.460218	06-08-2019 11:56:57	0.000000	0.001612	0.135395	784.0	45.3	0	0.007	0.588
PineRiver080619_122	TC2PR	1238686.627925	2385378.849922	06-08-2019 12:00:47	0.000000	0.000230	0.072469	783.8	45.5	0	0.001	0.315
PineRiver080619_123	TC2PR	1238806.929758	2385197.605712	06-08-2019 12:04:29	0.000000	0.000000	0.127703	783.0	45.7	0	-0.003	0.556
PineRiver080619_124	TC2PR	1238820.60919	2385315.030135	06-08-2019 12:08:21	0.000000	0.000000	0.065159	782.4	45.8	0	-0.003	0.284
PineRiver080619_125	TC2PR	1238796.585118	2385389.234786	06-08-2019 12:13:37	0.000000	0.000000	0.038599	783.5	45.8	0	-0.005	0.168
PineRiver080619_126	TC2PR	1238829.389582	2385427.326589	06-08-2019 12:16:28	0.000000	0.000000	0.146336	783.4	45.8	-0.23	-0.007	0.637
PineRiver080619_127	TC2PR	1238917.835598	2385449.36835	06-08-2019 12:20:09	0.000000	0.000919	0.398320	783.8	45.8	0	0.004	1.733
PineRiver080619_128	TC2PR	1238947.454525	2385368.418865	06-08-2019 12:23:14	0.000000	0.000000	0.577038	784.6	45.8	0	-0.005	2.508
PineRiver080619_129	TC2PR	1238960.119652	2385277.554144	06-08-2019 12:26:03	0.000000	0.000000	0.221759	783.9	45.9	0	-0.004	0.965
PineRiver080619_130	TC2PR	1238941.040443	2385236.985751	06-08-2019 12:29:26	296.814500	0.000919	2.368722	783.8	45.9	1291.777	0.004	10.309
PineRiver080619_131	TC2PR	1238919.928819	2385185.192066	06-08-2019 12:32:47	0.000000	0.000000	0.388018	783.2	45.9	-2.722	-0.001	1.69
PineRiver080619_132	TC2PR	1238927.175993	2385169.141008	06-08-2019 12:35:58	0.310905	0.000000	2.861927	782.7	45.9	1.355	-0.003	12.473
PineRiver080619_133	TC2PR	1238919.161861	2384988.851764	06-08-2019 12:43:04	0.000000	0.000000	0.002522	782.8	46.2	-1.506	-0.002	0.011
PineRiver080619_134	TC2PR	1239009.55601	2384989.335233	06-08-2019 12:47:50	0.000000	0.000000	0.105906	781.5	46.4	-0.074	-0.005	0.463
PineRiver080619_135	TC2PR	1239022.987903	2384957.65239	06-08-2019 12:50:19	1.886656	0.000000	0.811214	781.6	46.4	8.247	0	3.546
PineRiver080619_136	TC2PR	1239065.49274	2384852.545699	06-08-2019 12:54:14	0.000000	0.000000	0.069295	781.6	46.5	-0.36	-0.002	0.303
PineRiver080619_137	TC2PR	1239036.630825	2384789.175831	06-08-2019 12:57:32	0.000000	0.000000	0.063517	781.1	46.6	-0.391	-0.004	0.278
PineRiver080619_138	TC2PR	1239095.160311	2385020.757578	06-08-2019 13:02:46	0.000000	0.000913	0.145776	780.4	46.8	-3.202	0.004	0.639
PineRiver080619_139	TC2PR	1239237.96536	2385007.853632	06-08-2019 13:09:17	0.000000	0.001372	0.170603	782.8	47.0	-0.649	0.006	0.746
PineRiver080619_140	TC2PR	1239407.894038	2384970.033544	06-08-2019 13:16:56	0.000000	0.000000	0.015741	781.6	47.3	-0.129	-0.003	0.069
PineRiver080619_141	TC2PR	1239535.604303	2384956.269482	06-08-2019 13:20:44	0.000000	0.000000	0.101426	779.4	47.4	0	-0.001	0.446
PineRiver080619_142	TC2PR	1239529.80662	2384760.675414	06-08-2019 13:24:41	0.000000	0.000000	0.012029	778.1	47.5	0	0	0.053

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver080619_143	TC2PR	1239595.196728	2384570.108323	06-08-2019 13:28:00	0.000000	0.000000	0.059060	779.0	47.6	0	-0.007	0.26
PineRiver080619_144	TC2PR	1239382.001631	2384309.148033	06-08-2019 13:34:47	0.000000	0.001590	0.398840	779.4	47.8	-0.235	0.007	1.756
PineRiver080619_145	TC2PR	1239355.670622	2384369.445873	06-08-2019 13:37:11	0.000000	0.000000	0.443978	778.1	47.8	-0.001	0	1.958
PineRiver080619_146	TC2PR	1239331.010121	2384436.902973	06-08-2019 13:41:24	53.946290	0.000453	9.633007	778.1	47.9	237.984	0.002	42.496
PineRiver080619_147	TC2PR	1239282.252503	2384517.113691	06-08-2019 13:46:39	55.003260	0.000227	0.477781	778.0	47.9	242.678	0.001	2.108
PineRiver080619_148	TC2PR	1239340.668515	2384552.249584	06-08-2019 13:51:40	0.000000	0.000227	0.824210	778.1	47.9	-80.218	0.001	3.636
PineRiver080619_149	TC2PR	1239319.948008	2384633.222105	06-08-2019 13:54:53	0.000000	0.000000	0.276487	779.2	47.9	-0.235	-0.005	1.218
PineRiver080619_150	TC2PR	1239347.363348	2384753.69557	06-08-2019 13:58:12	0.000000	0.000000	0.202149	779.9	48.0	-0.117	-0.006	0.89
PineRiver080619_151	TC2PR	1239139.654786	2384772.483024	06-08-2019 14:03:38	1.952957	0.000682	1.723745	780.5	48.2	8.597	0.003	7.588
PineRiver080619_152	TC2PR	1239119.243266	2384787.940237	06-08-2019 14:05:53	848.268900	0.010907	0.003409	780.5	48.1	3732.954	0.048	0.015
PineRiver080619_153	TC2PR	1239206.720681	2384697.176957	06-08-2019 14:09:20	16.077390	0.000000	3.395106	779.6	48.1	70.833	-0.006	14.958
PineRiver080619_154	TC2PR	1239243.027842	2384616.825563	06-08-2019 14:12:12	0.000000	0.000000	0.079380	779.0	48.1	-0.593	-0.007	0.35
PineRiver080619_155	TC2PR	1239191.578562	2384533.409007	06-08-2019 14:15:31	0.000000	0.000000	0.065931	778.2	48.1	-0.499	0	0.291
PineRiver080619_156	TC2PR	1239217.171781	2384406.040817	06-08-2019 14:19:27	0.000000	0.000000	0.006565	777.5	48.1	-0.269	-0.006	0.029
PineRiver080619_157	TC2PR	1239062.070126	2384573.557503	06-08-2019 14:24:28	0.000000	0.000000	0.057204	776.6	48.1	-0.146	-0.003	0.253
PineRiver080619_158	TC2PR	1238418.013271	2386020.44804	06-08-2019 14:43:26	0.000000	0.000226	0.045573	776.6	48.8	-0.768	0.001	0.202
PineRiver080619_159	TC2PR	1238360.616284	2386111.915861	06-08-2019 14:46:40	0.000000	0.000000	0.085847	782.0	48.9	0	-0.005	0.378
PineRiver080619_160	TC2PR	1238193.358298	2386313.604184	06-08-2019 14:50:58	0.000000	0.000000	0.011145	783.2	48.9	-0.507	-0.004	0.049
PineRiver080619_88	TC2PR	1238182.20656	2386586.784388	06-08-2019 09:53:15	0.000000	0.000000	0.000000	789.6	28.4	-2.075	-0.004	-0.083
PineRiver080619_89	TC2PR	1238212.698492	2386586.974188	06-08-2019 09:55:50	0.000000	0.000000	0.051345	789.6	28.9	0	0	0.21
PineRiver080619_90	TC2PR	1238343.846975	2386551.511967	06-08-2019 10:01:07	1.128632	0.000731	0.282462	789.5	30.1	4.635	0.003	1.16
PineRiver080619_91	TC2PR	1238388.750712	2386409.636612	06-08-2019 10:04:40	0.000000	0.000970	0.046569	789.0	31.1	-2.108	0.004	0.192
PineRiver080619_92	TC2PR	1238541.511548	2386399.980742	06-08-2019 10:08:12	0.000000	0.000000	0.042950	787.5	32.1	-0.002	-0.001	0.178
PineRiver080619_93	TC2PR	1238583.72621	2386315.204609	06-08-2019 10:12:47	2.757714	0.000961	0.868948	787.4	33.4	11.479	0.004	3.617
PineRiver080619_94	TC2PR	1238607.117748	2386277.557459	06-08-2019 10:15:17	0.396591	0.000478	0.156436	786.8	34.5	1.658	0.002	0.654
PineRiver080619_95	TC2PR	1238635.895642	2386221.863979	06-08-2019 10:17:49	0.000000	0.000239	0.077294	787.0	35.4	-0.001	0.001	0.324

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver080619_96	TC2PR	1238649.169359	2386135.275383	06-08-2019 10:20:24	0.000000	0.000476	0.111134	787.1	36.2	-0.62	0.002	0.467
PineRiver080619_97	TC2PR	1238707.655932	2386018.99111	06-08-2019 10:23:46	0.000000	0.000000	0.078774	786.8	37.0	0	-0.001	0.332
PineRiver080619_98	TC2PR	1238635.85756	2385970.929947	06-08-2019 10:28:06	2.840405	0.000237	1.071632	787.0	37.8	11.999	0.001	4.527
PineRiver080619_99	TC2PR	1238609.918705	2385962.842978	06-08-2019 10:31:02	0.000000	0.000000	0.036577	785.8	38.3	-0.364	-0.001	0.155
PineRiver080719_161	TC2PR	1239693.83432	2383557.966841	07-08-2019 09:19:54	0.000000	0.000240	0.123978	776.7	29.2	-1.228	0.001	0.516
PineRiver080719_162	TC2PR	1239699.609108	2383752.098202	07-08-2019 09:24:41	0.000000	0.000719	0.029962	776.9	30.0	-0.408	0.003	0.125
PineRiver080719_163	TC2PR	1239628.14068	2383750.641018	07-08-2019 09:27:51	0.000000	0.000957	0.123271	777.1	30.5	0	0.004	0.515
PineRiver080719_164	TC2PR	1239674.406023	2383908.111502	07-08-2019 09:35:46	0.250063	0.000477	0.462187	776.7	31.3	1.048	0.002	1.937
PineRiver080719_165	TC2PR	1239615.146031	2383924.85533	07-08-2019 09:38:36	0.000000	0.001906	0.028115	776.6	31.7	0	0.008	0.118
PineRiver080719_166	TC2PR	1239637.564826	2383996.419161	07-08-2019 09:42:00	0.457619	0.001427	0.464755	776.0	32.0	1.924	0.006	1.954
PineRiver080719_167	TC2PR	1239646.857295	2384027.990602	07-08-2019 09:44:42	0.000000	0.000475	0.286399	776.2	32.3	-0.431	0.002	1.205
PineRiver080719_168	TC2PR	1239566.424255	2384140.78452	07-08-2019 09:49:46	0.000000	0.000475	0.022076	776.5	32.8	-0.389	0.002	0.093
PineRiver080719_169	TC2PR	1239584.67793	2384178.934741	07-08-2019 09:52:47	0.313235	0.001186	0.421443	777.0	33.1	1.32	0.005	1.776
PineRiver080719_170	TC2PR	1239621.012777	2384197.887093	07-08-2019 09:56:04	0.444075	0.000949	0.139959	777.5	33.4	1.872	0.004	0.59
PineRiver080719_171	TC2PR	1239645.137616	2384342.053026	07-08-2019 10:02:04	0.000000	0.001421	0.130705	778.1	34.2	-0.583	0.006	0.552
PineRiver080719_172	TC2PR	1239697.934941	2384278.551192	07-08-2019 10:05:08	0.000000	0.000474	0.032248	779.7	34.4	-0.648	0.002	0.136
PineRiver080719_173	TC2PR	1239781.127654	2384199.120729	07-08-2019 10:08:13	0.000000	0.000710	0.079296	779.1	34.7	-1.238	0.003	0.335
PineRiver080719_174	TC2PR	1239779.703254	2384017.982413	07-08-2019 10:11:18	0.000000	0.001418	0.153195	778.9	35.0	-0.985	0.006	0.648
PineRiver080719_175	TC2PR	1239805.929535	2383977.303617	07-08-2019 10:13:44	0.000000	0.000236	0.082155	778.3	35.2	0	0.001	0.348
PineRiver080719_176	TC2PR	1239942.122077	2383616.802572	07-08-2019 10:20:53	0.000000	0.000942	0.120857	778.2	35.8	0	0.004	0.513
PineRiver080719_177	TC2PR	1239943.354947	2383408.484122	07-08-2019 10:25:20	0.000000	0.000000	0.000000	776.5	36.1	0	-0.001	-0.054
PineRiver080719_178	TC2PR	1239836.17225	2383346.704336	07-08-2019 10:29:12	0.000000	0.000234	0.023410	774.8	36.4	0	0.001	0.1
PineRiver080719_179	TC2PR	1239788.915243	2383263.591294	07-08-2019 10:32:18	0.000000	0.001171	0.037478	776.0	36.7	0	0.005	0.16
PineRiver080719_180	TC2PR	1239967.11208	2383223.392678	07-08-2019 10:37:33	0.000000	0.000234	0.040926	776.0	37.2	0	0.001	0.175
PineRiver080719_181	TC2PR	1240186.806624	2383421.843882	07-08-2019 10:42:06	0.000000	0.000699	0.011423	774.8	37.7	-0.08	0.003	0.049
PineRiver080719_182	TC2PR	1240192.580534	2383346.783601	07-08-2019 10:45:25	0.000000	0.000465	0.082018	773.2	38.1	-0.115	0.002	0.353

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver080719_183	TC2PR	1240296.15115	2383299.193438	07-08-2019 10:48:41	0.000000	0.000464	0.070051	772.9	38.5	0	0.002	0.302
PineRiver080719_184	TC2PR	1240154.341513	2383180.99483	07-08-2019 10:53:17	0.000000	0.001156	0.039987	771.9	39.2	-0.436	0.005	0.173
PineRiver080719_185	TC2PR	1239988.523561	2382994.496658	07-08-2019 10:57:48	0.000000	0.000462	0.147498	773.8	39.9	0	0.002	0.638
PineRiver080719_186	TC2PR	1240009.331298	2382832.658396	07-08-2019 11:02:04	0.000000	0.000000	0.073264	774.8	40.4	0	0	0.317
PineRiver080719_187	TC2PR	1240134.001479	2382774.127354	07-08-2019 11:05:24	0.000000	0.000462	0.038327	775.0	40.8	-0.16	0.002	0.166
PineRiver080719_188	TC2PR	1240187.764744	2382968.734477	07-08-2019 11:12:47	0.000000	0.000230	0.104547	774.7	41.5	0	0.001	0.454
PineRiver080719_189	TC2PR	1240304.203491	2382924.084263	07-08-2019 11:18:11	0.000000	0.000230	0.082287	774.0	41.8	-0.565	0.001	0.358
PineRiver080719_190	TC2PR	1240449.556778	2383038.661809	07-08-2019 11:23:33	0.491090	0.000000	0.633894	773.6	42.0	2.139	-0.001	2.761
PineRiver080719_191	TC2PR	1240616.821661	2383088.407736	07-08-2019 11:29:26	0.000000	0.000687	0.000000	771.5	42.1	0	0.003	-0.071
PineRiver080719_192	TC2PR	1240681.744491	2383093.370068	07-08-2019 11:33:35	0.000000	0.000915	0.019213	771.2	42.2	0	0.004	0.084
PineRiver080719_193	TC2PR	1240727.532387	2382975.54728	07-08-2019 11:36:31	0.000000	0.000000	0.008219	770.3	42.4	0	-0.002	0.036
PineRiver080719_194	TC2PR	1240719.180554	2382816.424505	07-08-2019 11:39:57	0.000000	0.000228	0.028759	770.3	42.5	0	0.001	0.126
PineRiver080719_195	TC2PR	1240686.87613	2382857.118287	07-08-2019 11:41:55	4.124737	0.000000	0.074700	771.2	42.6	18.056	0	0.327
PineRiver080719_196	TC2PR	1240660.457937	2382900.195911	07-08-2019 11:48:13	1.002159	0.000913	0.630457	770.8	42.8	4.392	0.004	2.763
PineRiver080719_197	TC2PR	1240630.361102	2382895.020696	07-08-2019 11:50:50	0.000000	0.000684	0.432145	771.0	42.9	-4.637	0.003	1.894
PineRiver080719_198	TC2PR	1240543.962711	2382747.589516	07-08-2019 12:08:58	0.000000	0.000911	0.274854	770.7	43.4	0	0.004	1.207
PineRiver080719_199	TC2PR	1240377.602594	2382806.782637	07-08-2019 12:12:42	0.000000	0.001368	0.153481	771.6	43.3	0	0.006	0.673
PineRiver080719_200	TC2PR	1240341.297699	2382636.488176	07-08-2019 12:16:23	0.000000	0.000000	0.045943	773.1	43.2	0	0	0.201
PineRiver080719_201	TC2PR	1240263.012184	2382594.192293	07-08-2019 12:19:04	0.000000	0.000000	0.010991	774.5	43.2	0	-0.003	0.048
PineRiver080719_202	TC2PR	1240189.697175	2382334.258213	07-08-2019 12:24:43	0.000000	0.000000	0.266384	776.3	43.3	0	-0.023	1.161
PineRiver080719_203	TC2PR	1240351.216997	2382339.452376	07-08-2019 12:31:20	0.000000	0.000000	0.024772	776.3	43.4	0	-0.002	0.108
PineRiver080719_204	TC2PR	1240367.531138	2382196.398028	07-08-2019 12:38:12	0.000000	0.000688	0.045387	776.3	43.6	-2.018	0.003	0.198
PineRiver080719_205	TC2PR	1240458.612677	2381995.421776	07-08-2019 12:42:48	0.000000	0.000000	0.052583	774.5	43.7	0	-0.001	0.23
PineRiver080719_206	TC2PR	1240563.19602	2382038.500927	07-08-2019 12:46:00	0.000000	0.000457	0.021043	775.1	43.8	0	0.002	0.092
PineRiver080719_207	TC2PR	1240588.522931	2382180.319567	07-08-2019 12:50:29	0.000000	0.000000	0.088131	774.2	44.0	0	-0.005	0.386
PineRiver080719_208	TC2PR	1240640.297675	2382387.073066	07-08-2019 12:54:28	0.000000	0.000228	0.014815	773.1	44.1	0	0.001	0.065

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver080719_209	TC2PR	1240600.275956	2382533.214876	07-08-2019 12:59:17	1.735654	0.000000	1.026214	773.5	44.3	7.616	0	4.503
PineRiver080719_210	TC2PR	1240762.060467	2382264.12407	07-08-2019 13:06:57	0.000000	0.000682	0.044583	773.0	44.7	-0.052	0.003	0.196
PineRiver080719_211	TC2PR	1240759.919076	2382143.485301	07-08-2019 13:10:10	0.000000	0.000000	0.018839	771.6	44.8	-0.089	-0.002	0.083
PineRiver080719_212	TC2PR	1240944.501016	2381939.809176	07-08-2019 13:15:26	0.000000	0.000227	0.007038	772.3	45.0	-0.38	0.001	0.031
PineRiver080719_213	TC2PR	1240837.463364	2381920.674265	07-08-2019 13:18:41	0.000000	0.000682	0.031384	773.6	45.0	-0.218	0.003	0.138
PineRiver080719_214	TC2PR	1240979.455453	2381744.83263	07-08-2019 13:22:29	0.000000	0.000228	0.122246	774.6	45.1	-0.056	0.001	0.537
PineRiver080719_215	TC2PR	1240948.886227	2381597.734503	07-08-2019 13:27:15	0.000000	0.000227	0.018419	774.0	45.2	-0.109	0.001	0.081
PineRiver080719_216	TC2PR	1240766.654819	2381437.558688	07-08-2019 13:33:20	0.755891	0.000908	1.620772	773.1	45.3	3.329	0.004	7.138
PineRiver080719_217	TC2PR	1240772.309012	2381177.646051	07-08-2019 13:39:53	0.000000	0.001593	0.017751	775.1	45.4	-0.094	0.007	0.078
PineRiver080719_218	TC2PR	1240782.988825	2381616.688535	07-08-2019 13:46:26	0.000000	0.000000	0.036761	773.1	45.5	-0.014	-0.002	0.162
PineRiver080719_219	TC2PR	1240766.393669	2381748.264253	07-08-2019 13:50:21	0.000000	0.000000	0.000000	774.7	45.6	-0.475	-0.003	-0.091
PineRiver080719_220	TC2PR	1240696.91677	2381757.009585	07-08-2019 13:53:11	0.000000	0.000000	0.000000	775.1	45.6	-0.267	-0.005	-0.032
PineRiver080719_221	TC2PR	1240602.171201	2381788.965295	07-08-2019 13:56:58	0.000000	0.000000	0.143686	775.3	45.8	-0.195	-0.003	0.632
PineRiver080719_222	TC2PR	1240541.858658	2381632.676024	07-08-2019 13:59:40	0.000000	0.000000	0.016373	775.7	45.9	-0.077	-0.005	0.072
PineRiver080719_223	TC2PR	1240635.856848	2381571.386227	07-08-2019 14:02:14	0.000000	0.000000	0.000000	775.8	45.9	-0.428	-0.006	-0.228
PineRiver080719_224	TC2PR	1240607.255343	2381361.035007	07-08-2019 14:05:50	0.000000	0.000000	0.000909	775.5	46.1	0	-0.004	0.004
PineRiver080719_225	TC2PR	1240469.202117	2381201.811049	07-08-2019 14:10:19	0.000000	0.000000	0.165177	774.7	46.2	-1.477	0	0.728
PineRiver080719_226	TC2PR	1240383.460973	2381389.063313	07-08-2019 14:14:10	0.000000	0.001813	0.116502	773.9	46.2	-1.504	0.008	0.514
PineRiver080719_227	TC2PR	1240354.529236	2381583.655658	07-08-2019 14:17:21	0.000000	0.000000	0.000908	774.9	46.2	-0.534	-0.004	0.004
PineRiver080719_228	TC2PR	1240347.70845	2381719.844704	07-08-2019 14:20:10	0.000000	0.000000	0.000227	775.9	46.1	-0.12	-0.005	0.001
PineRiver080819_229	TC2PR	1242368.068117	2378790.80438	08-08-2019 08:33:14	0.000000	0.000000	0.073666	766.2	25.5	-1.493	-0.005	0.307
PineRiver080819_230	TC2PR	1242571.274287	2378822.535239	08-08-2019 08:39:04	0.000000	0.000000	0.280810	766.2	26.2	-0.217	0	1.173
PineRiver080819_231	TC2PR	1242598.354936	2378937.687992	08-08-2019 08:43:05	0.000000	0.000239	0.135034	765.7	26.5	-0.103	0.001	0.565
PineRiver080819_232	TC2PR	1242707.767895	2378863.953924	08-08-2019 08:46:10	0.000000	0.000239	0.120225	765.0	26.8	-0.436	0.001	0.504
PineRiver080819_233	TC2PR	1242817.037101	2378809.729259	08-08-2019 08:49:49	0.000000	0.000476	0.176646	764.5	27.2	-1.784	0.002	0.742
PineRiver080819_234	TC2PR	1242630.734404	2379170.656561	08-08-2019 08:56:57	0.000000	0.000237	0.064350	764.3	27.9	0	0.001	0.271

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver080819_235	TC2PR	1242730.292308	2379228.849493	08-08-2019 09:01:22	0.000000	0.000237	0.004503	763.9	28.3	-0.117	0.001	0.019
PineRiver080819_236	TC2PR	1242730.060788	2379312.324981	08-08-2019 09:04:50	0.000000	0.000709	0.047735	762.4	28.6	-0.722	0.003	0.202
PineRiver080819_237	TC2PR	1242670.199252	2379364.960988	08-08-2019 09:12:03	0.000000	0.000236	0.105803	762.0	29.3	-0.467	0.001	0.449
PineRiver080819_238	TC2PR	1242704.615423	2379530.934952	08-08-2019 09:17:49	0.000000	0.000235	0.104265	762.6	29.9	-0.297	0.001	0.443
PineRiver080819_239	TC2PR	1242593.795069	2379584.764378	08-08-2019 09:21:59	0.000000	0.000704	0.068080	761.4	30.2	0	0.003	0.29
PineRiver080819_240	TC2PR	1242566.489057	2379727.95753	08-08-2019 09:26:39	0.000000	0.000704	0.125863	762.6	30.6	0	0.003	0.536
PineRiver080819_241	TC2PR	1242450.800376	2379969.12094	08-08-2019 09:33:50	0.000000	0.000703	0.063239	762.4	31.3	0	0.003	0.27
PineRiver080819_242	TC2PR	1242326.442735	2379712.46576	08-08-2019 09:40:59	0.000000	0.000702	0.304670	763.2	31.9	0	0.003	1.302
PineRiver080819_243	TC2PR	1242342.114452	2379601.227356	08-08-2019 09:45:03	0.000000	0.001171	0.055985	765.0	32.3	0	0.005	0.239
PineRiver080819_244	TC2PR	1242378.064186	2379399.939742	08-08-2019 09:51:35	0.000000	0.000467	0.071277	765.7	33.3	0	0.002	0.305
PineRiver080819_245	TC2PR	1242428.744194	2379169.00528	08-08-2019 09:57:59	0.000000	0.000233	0.031209	766.1	34.5	0	0.001	0.134
PineRiver080819_246	TC2PR	1242371.78206	2378981.263532	08-08-2019 10:02:13	0.000000	0.000465	0.092278	766.8	35.4	0	0.002	0.397
PineRiver080819_247	TC2PR	1242216.9157	2378986.731513	08-08-2019 10:05:47	0.000000	0.000695	0.120979	766.3	36.1	0	0.003	0.522
PineRiver080819_248	TC2PR	1242200.691167	2379143.828705	08-08-2019 10:10:02	0.000000	0.000694	0.037733	766.9	36.7	0	0.003	0.163
PineRiver080819_249	TC2PR	1242231.148364	2379328.784883	08-08-2019 10:16:29	0.000000	0.000231	0.136692	768.2	37.5	0	0.001	0.591
PineRiver080819_250	TC2PR	1242145.411413	2379627.942086	08-08-2019 10:25:34	0.000000	0.000692	0.145827	768.1	38.2	-0.062	0.003	0.632
PineRiver080819_251	TC2PR	1242135.244667	2379732.501933	08-08-2019 10:31:16	0.000000	0.000000	0.064783	767.7	38.3	-0.261	-0.001	0.281
PineRiver080819_252	TC2PR	1242160.777749	2379830.366427	08-08-2019 10:35:05	0.000000	0.000921	0.115153	767.4	38.5	-0.257	0.004	0.5
PineRiver080819_253	TC2PR	1241986.000024	2379509.475325	08-08-2019 10:41:37	0.000000	0.000000	0.054031	767.1	38.9	-0.241	-0.002	0.235
PineRiver080819_254	TC2PR	1241993.972516	2379760.588711	08-08-2019 10:46:24	0.000000	0.000230	0.131007	769.4	39.4	0	0.001	0.569
PineRiver080819_255	TC2PR	1241995.300758	2379871.071867	08-08-2019 10:49:46	0.000000	0.000230	0.166545	769.2	39.6	0	0.001	0.724
PineRiver080819_256	TC2PR	1241798.800557	2380052.722431	08-08-2019 10:55:41	0.000000	0.000918	0.116550	768.4	40.1	0	0.004	0.508
PineRiver080819_257	TC2PR	1241930.001004	2380169.604637	08-08-2019 11:00:51	0.000000	0.000229	0.101134	768.8	40.4	-0.045	0.001	0.441
PineRiver080819_258	TC2PR	1241941.187872	2380319.883767	08-08-2019 11:04:22	0.000000	0.000000	0.042977	766.6	40.5	-0.136	-0.003	0.188
PineRiver080819_259	TC2PR	1241951.091951	2380511.996886	08-08-2019 11:08:21	0.000000	0.000685	0.147039	766.4	40.8	-0.176	0.003	0.644
PineRiver080819_260	TC2PR	1241953.415643	2380737.774685	08-08-2019 11:12:30	0.000000	0.000912	0.052898	765.6	40.9	-0.065	0.004	0.232

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver080819_261	TC2PR	1241907.659538	2380804.356609	08-08-2019 11:15:16	0.000000	0.001820	0.146277	764.1	41.0	-0.012	0.008	0.643
PineRiver080819_262	TC2PR	1241767.399489	2380957.514153	08-08-2019 11:19:05	0.000000	0.000682	0.024789	764.1	41.1	0	0.003	0.109
PineRiver080819_263	TC2PR	1241646.434417	2380897.898929	08-08-2019 11:23:22	0.000000	0.001138	0.088286	765.0	41.3	-0.171	0.005	0.388
PineRiver080819_264	TC2PR	1241473.458264	2380956.54916	08-08-2019 11:28:47	0.000000	0.000228	0.050829	766.8	41.5	0	0.001	0.223
PineRiver080819_265	TC2PR	1241510.011716	2380746.024214	08-08-2019 11:34:33	0.000000	0.000000	0.083386	768.8	41.6	-0.359	-0.002	0.365
PineRiver080819_266	TC2PR	1241521.98695	2380655.381162	08-08-2019 11:37:49	0.000000	0.000685	0.128831	768.7	41.6	0	0.003	0.564
PineRiver080819_267	TC2PR	1241749.683386	2380563.061085	08-08-2019 11:43:34	0.000000	0.000228	0.101520	768.7	42.0	-0.024	0.001	0.445
PineRiver080819_268	TC2PR	1241739.53603	2380390.390027	08-08-2019 11:49:02	0.000000	0.000227	0.025009	767.3	42.5	-0.811	0.001	0.11
PineRiver080819_269	TC2PR	1241671.808354	2380328.663264	08-08-2019 11:54:12	0.000000	0.000000	0.071125	768.1	43.0	-0.521	-0.002	0.313
PineRiver080819_270	TC2PR	1241586.145476	2380270.044465	08-08-2019 11:58:06	0.000000	0.001364	0.126615	769.1	43.3	-0.001	0.006	0.557
PineRiver080819_271	TC2PR	1241517.572402	2380240.230501	08-08-2019 12:01:39	0.000000	0.000455	0.140538	769.9	43.5	-1.02	0.002	0.618
PineRiver080819_272	TC2PR	1241337.79929	2380375.833392	08-08-2019 12:08:19	0.000000	0.000000	0.052499	770.4	43.9	0	-0.003	0.231
PineRiver080819_273	TC2PR	1241337.597116	2380533.968475	08-08-2019 12:11:01	0.000000	0.000000	0.048923	771.6	44.0	-0.621	-0.006	0.215
PineRiver080819_274	TC2PR	1241329.443173	2380682.08776	08-08-2019 12:13:11	0.000000	0.000000	0.068006	771.0	43.9	-0.027	-0.002	0.299
PineRiver080819_275	TC2PR	1241156.517275	2380889.627333	08-08-2019 12:16:50	0.000000	0.000000	0.073626	770.3	43.9	-0.814	-0.006	0.324
PineRiver080819_276	TC2PR	1241169.089755	2380778.43806	08-08-2019 12:19:55	0.000000	0.000000	0.006604	771.9	43.9	0	-0.004	0.029
PineRiver080819_277	TC2PR	1241175.601562	2380613.494834	08-08-2019 12:22:40	0.000000	0.000000	0.035254	771.0	43.9	-0.292	0	0.155
PineRiver080819_278	TC2PR	1241147.947556	2380560.71299	08-08-2019 12:24:42	0.000000	0.000911	0.066255	771.8	43.9	-0.3	0.004	0.291
PineRiver080819_279	TC2PR	1241319.429731	2380128.729771	08-08-2019 12:31:52	0.000000	0.001821	0.003186	771.9	44.1	0	0.008	0.014
PineRiver080819_280	TC2PR	1241376.417998	2380023.762496	08-08-2019 12:35:21	0.000000	0.000000	0.026831	771.5	44.2	0	0	0.118
PineRiver080819_281	TC2PR	1241615.598931	2380073.911483	08-08-2019 12:41:26	0.000000	0.000455	0.084083	771.8	44.5	0	0.002	0.37
PineRiver080819_282	TC2PR	1241549.385936	2379968.43731	08-08-2019 12:45:54	0.000000	0.000227	0.011102	769.7	44.6	0	0.001	0.049
PineRiver080819_283	TC2PR	1241521.577478	2379787.79303	08-08-2019 12:49:48	0.000000	0.000454	0.062403	771.4	44.8	0	0.002	0.275
PineRiver080819_284	TC2PR	1241658.319827	2379731.985641	08-08-2019 12:53:18	0.000000	0.001135	0.016119	772.0	44.9	0	0.005	0.071
PineRiver080819_285	TC2PR	1241998.792926	2379203.380829	08-08-2019 13:04:02	0.000000	0.000000	0.000000	771.0	45.7	0	-0.001	-0.05
PineRiver080819_286	TC2PR	1242057.474373	2378977.414404	08-08-2019 13:07:58	0.000000	0.001803	0.045294	768.7	45.9	-0.017	0.008	0.201

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver080919_287	TC2PR	1240754.922565	2381596.942944	09-08-2019 10:37:28	1.441716	0.000000	0.569763	775.6	37.0	6.164	-0.002	2.436
PineRiver080919_288	TC2PR	1241006.264125	2381365.706426	09-08-2019 10:44:52	0.000000	0.000466	0.095900	775.6	38.5	0	0.002	0.412
PineRiver080919_289	TC2PR	1241133.703507	2381427.128753	09-08-2019 10:49:46	0.000000	0.000000	0.136513	773.2	39.4	-0.947	-0.002	0.59
PineRiver080919_290	TC2PR	1241196.611075	2381532.278331	09-08-2019 10:53:41	0.000000	0.001382	0.134305	771.3	40.0	0	0.006	0.583
PineRiver080919_291	TC2PR	1241257.637514	2381439.920937	09-08-2019 10:56:33	0.000000	0.000000	0.041146	770.6	40.4	-0.674	-0.001	0.179
PineRiver080919_292	TC2PR	1241333.349957	2381534.985239	09-08-2019 11:00:07	0.000000	0.000000	0.009865	770.3	40.9	-1.686	-0.001	0.043
PineRiver080919_293	TC2PR	1241390.51166	2381374.204619	09-08-2019 11:05:04	0.000000	0.001373	0.012586	770.1	41.6	0	0.006	0.055
PineRiver080919_294	TC2PR	1241354.466018	2381172.168876	09-08-2019 11:12:53	0.000000	0.001369	0.104022	770.6	42.8	0	0.006	0.456
PineRiver080919_295	TC2PR	1241154.491372	2381264.880222	09-08-2019 11:24:54	0.000000	0.000454	0.538332	770.3	44.3	0	0.002	2.372
PineRiver080919_296	TC2PR	1240972.830388	2381205.248829	09-08-2019 11:32:10	0.000000	0.000454	0.128586	772.3	44.8	0	0.002	0.566
VosburgPike071119_01	VP	1242574.870525	2349747.387875	11-07-2019 09:17:39	0.000000	0.000000	0.081769	770.6	28.3	-1.619	0	0.342
VosburgPike071119_02	VP	1242748.765473	2349748.963402	11-07-2019 09:22:28	0.000000	0.001428	0.089721	770.6	29.7	0	0.006	0.377
VosburgPike071119_03	VP	1242959.773626	2349606.381102	11-07-2019 09:27:28	0.000000	0.000473	0.049919	769.6	31.1	0	0.002	0.211
VosburgPike071119_04	VP	1243188.867805	2349520.491456	11-07-2019 09:34:37	0.000000	0.000234	0.110380	767.1	33.0	0	0.001	0.471
VosburgPike071119_05	VP	1243259.477861	2349492.818502	11-07-2019 09:37:29	0.000000	0.001166	0.000000	765.5	33.8	-0.373	0.005	-0.298
VosburgPike071119_06	VP	1243266.423566	2349595.210712	11-07-2019 09:40:10	0.000000	0.001163	0.116503	764.9	34.5	-0.603	0.005	0.501
VosburgPike071119_07	VP	1243363.938092	2349554.040866	11-07-2019 09:44:05	0.000000	0.000000	0.102735	765.3	35.5	-0.111	0	0.443
VosburgPike071119_08	VP	1243551.171021	2349587.495714	11-07-2019 09:48:37	0.000000	0.002307	0.054443	764.0	36.6	-1.014	0.01	0.236
VosburgPike071119_09	VP	1243563.509001	2349442.137568	11-07-2019 09:52:55	0.000000	0.001608	0.116209	762.8	37.5	0	0.007	0.506
VosburgPike071119_10	VP	1243779.905855	2349360.014325	11-07-2019 09:58:25	0.000000	0.000000	0.055143	762.9	38.7	0	0	0.241
VosburgPike071119_11	VP	1243806.019535	2349192.849092	11-07-2019 10:03:17	0.000000	0.000228	0.061255	761.2	39.5	-0.305	0.001	0.269
VosburgPike071119_12	VP	1243954.251948	2349237.447219	11-07-2019 10:06:29	0.000000	0.000000	0.071096	760.5	40.0	-0.143	-0.004	0.313
VosburgPike071119_13	VP	1244174.468693	2349136.518489	11-07-2019 10:10:41	0.000000	0.000906	0.040551	759.7	40.5	0	0.004	0.179
VosburgPike071219_30	VP	1243091.300274	2352557.104602	12-07-2019 10:15:22	0.000000	0.000000	0.031310	766.3	31.3	-0.542	-0.004	0.133
VosburgPike071219_31	VP	1243255.272602	2352757.60589	12-07-2019 10:21:04	0.000000	0.000000	0.000000	766.5	32.5	0	-0.003	-0.312
VosburgPike071219_32	VP	1243186.250002	2352856.392968	12-07-2019 10:24:03	0.000000	0.000000	0.059268	766.8	33.0	-0.001	0	0.253

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071219_33	VP	1243168.37761	2352967.768934	12-07-2019 10:27:16	0.000000	0.000702	0.086546	766.9	33.5	-0.25	0.003	0.37
VosburgPike071219_34	VP	1243357.480696	2352966.453096	12-07-2019 10:31:33	0.000000	0.001166	0.098874	766.3	34.2	0	0.005	0.424
VosburgPike071219_35	VP	1243359.244573	2352881.462362	12-07-2019 10:34:17	0.000000	0.000232	0.087872	764.9	34.6	0	0.001	0.378
VosburgPike071219_36	VP	1243425.592127	2352744.728832	12-07-2019 10:38:59	0.000000	0.000695	0.086886	764.6	35.5	0	0.003	0.375
VosburgPike071219_37	VP	1243586.270059	2352790.383606	12-07-2019 10:42:59	0.000000	0.000000	0.107502	764.9	36.3	-0.54	-0.002	0.465
VosburgPike071219_38	VP	1243591.43611	2352939.3434	12-07-2019 10:46:53	0.000000	0.001840	0.237411	763.1	37.1	-0.001	0.008	1.032
VosburgPike071219_39	VP	1243577.490374	2352974.84196	12-07-2019 10:49:32	0.000000	0.000000	0.318939	763.2	37.5	0	-0.002	1.388
VosburgPike071219_40	VP	1243503.471045	2352934.476004	12-07-2019 10:52:55	0.000000	0.000459	0.255438	763.5	38.0	-0.441	0.002	1.113
VosburgPike071219_41	VP	1243486.177123	2352989.921282	12-07-2019 10:57:39	0.000000	0.000916	0.167413	763.6	38.7	0	0.004	0.731
VosburgPike071219_42	VP	1243439.669235	2353173.264621	12-07-2019 11:03:16	0.000000	0.000914	0.040464	764.2	39.5	0	0.004	0.177
VosburgPike071219_43	VP	1243384.507809	2353364.192667	12-07-2019 11:08:42	0.000000	0.000229	0.065900	766.6	40.2	0	0.001	0.288
VosburgPike071219_44	VP	1243565.900031	2353393.011223	12-07-2019 11:13:04	0.000000	0.000000	0.158287	765.1	40.6	-0.045	-0.003	0.694
VosburgPike071219_45	VP	1243712.464313	2353307.16178	12-07-2019 11:17:09	0.000000	0.000454	0.054530	763.4	41.1	0	0.002	0.24
VosburgPike071219_46	VP	1243812.350974	2353191.953453	12-07-2019 11:21:58	0.000000	0.000680	0.078675	763.0	41.6	0	0.003	0.347
VosburgPike071219_47	VP	1243648.228715	2353138.896436	12-07-2019 11:26:55	0.000000	0.003171	0.172825	763.7	42.2	0	0.014	0.763
VosburgPike071219_48	VP	1243778.142462	2352930.432496	12-07-2019 11:32:42	0.000000	0.000000	0.161899	764.9	42.8	-0.001	-0.004	0.715
VosburgPike071219_49	VP	1243768.241944	2352714.304104	12-07-2019 11:37:57	0.000000	0.001578	0.196995	762.6	43.3	0	0.007	0.874
VosburgPike071219_50	VP	1244138.000738	2352394.032925	12-07-2019 11:45:50	0.000000	0.000000	0.077293	761.9	44.0	-0.149	-0.006	0.344
VosburgPike071219_51	VP	1244371.334679	2352374.8185	12-07-2019 11:50:37	0.000000	0.000000	0.041341	758.7	44.4	0	0	0.185
VosburgPike071219_52	VP	1244388.923891	2352506.081949	12-07-2019 11:55:09	0.000000	0.000668	0.076162	756.8	44.7	-0.057	0.003	0.342
VosburgPike071219_53	VP	1244607.81196	2352373.70069	12-07-2019 11:59:39	0.000000	0.000000	0.057649	756.9	44.9	-0.464	-0.002	0.259
VosburgPike071219_54	VP	1244576.736879	2352587.483697	12-07-2019 12:04:03	0.000000	0.001110	0.126787	755.3	45.0	0	0.005	0.571
VosburgPike071219_55	VP	1244576.84601	2352766.865923	12-07-2019 12:07:26	0.000000	0.000223	0.036502	757.1	45.0	0	0.001	0.164
VosburgPike071219_56	VP	1244298.366959	2352748.258466	12-07-2019 12:13:25	0.000000	0.002003	0.061661	757.2	45.0	0	0.009	0.277
VosburgPike071219_57	VP	1244220.423443	2352802.469351	12-07-2019 12:16:39	0.000000	0.000000	0.035915	758.8	45.0	0	-0.003	0.161
VosburgPike071219_58	VP	1244144.878681	2352560.048717	12-07-2019 12:19:43	0.000000	0.000000	0.090838	759.2	45.0	0	-0.001	0.407

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071219_59	VP	1243556.877365	2352562.848394	12-07-2019 12:29:19	0.000000	0.000000	0.079330	763.0	45.3	0	-0.016	0.354
VosburgPike071219_60	VP	1243425.393655	2352562.897051	12-07-2019 12:35:59	0.000000	0.000000	0.014112	961.3	45.4	0	0	0.05
VosburgPike071619_100	VP	1244318.378076	2349637.862383	16-07-2019 13:00:43	0.000000	0.001315	0.092280	752.4	47.9	-0.194	0.006	0.421
VosburgPike071619_101	VP	1244229.214115	2349749.543168	16-07-2019 13:03:55	0.000000	0.000000	0.000000	753.0	47.9	0	0	-0.136
VosburgPike071619_102	VP	1244160.914585	2349711.477985	16-07-2019 13:06:55	0.000000	0.001536	0.183879	753.2	47.9	0	0.007	0.838
VosburgPike071619_103	VP	1244117.147288	2349650.776324	16-07-2019 13:10:19	0.000000	0.003731	0.127937	753.5	48.0	-0.798	0.017	0.583
VosburgPike071619_104	VP	1244135.151917	2349575.838415	16-07-2019 13:13:45	0.000000	0.004612	0.136597	754.3	48.1	0	0.021	0.622
VosburgPike071619_105	VP	1244100.684282	2349573.405628	16-07-2019 13:16:01	0.000000	0.001756	0.772603	754.1	48.1	0	0.008	3.519
VosburgPike071619_106	VP	1244101.283017	2349504.303936	16-07-2019 13:18:40	0.000000	0.000000	0.349637	754.1	48.2	0	-0.01	1.593
VosburgPike071619_107	VP	1244120.276543	2349360.899244	16-07-2019 13:23:41	0.000000	0.001316	0.214092	753.9	48.3	-1.182	0.006	0.976
VosburgPike071619_108	VP	1243961.344334	2349418.859372	16-07-2019 13:27:08	0.000000	0.001753	0.394729	753.5	48.4	0	0.008	1.801
VosburgPike071619_109	VP	1244017.203027	2349593.453893	16-07-2019 13:30:46	0.000000	0.000439	0.162047	754.1	48.5	0	0.002	0.739
VosburgPike071619_110	VP	1243778.926754	2349514.351221	16-07-2019 13:38:16	0.000000	0.006361	0.099149	754.6	48.6	0	0.029	0.452
VosburgPike071619_61	VP	1242597.696792	2349958.065409	16-07-2019 09:05:38	0.000000	0.000000	0.038301	766.3	30.0	-0.908	-0.001	0.162
VosburgPike071619_62	VP	1242570.230996	2350117.376621	16-07-2019 09:11:15	0.000000	0.000706	0.164845	766.3	31.2	-0.492	0.003	0.7
VosburgPike071619_63	VP	1242701.304817	2350136.439368	16-07-2019 09:16:06	0.000000	0.000235	0.100956	766.5	32.2	0	0.001	0.43
VosburgPike071619_64	VP	1242761.738543	2350008.723799	16-07-2019 09:20:20	2.077361	0.000702	0.889963	765.5	32.8	8.877	0.003	3.803
VosburgPike071619_65	VP	1242808.174197	2349993.234883	16-07-2019 09:23:23	12.955630	0.002103	1.002357	765.3	33.2	55.449	0.009	4.29
VosburgPike071619_66	VP	1242842.314361	2349998.787143	16-07-2019 09:26:22	0.000000	0.001866	0.674569	765.0	33.6	0	0.008	2.892
VosburgPike071619_67	VP	1242886.648407	2350026.520465	16-07-2019 09:29:28	0.000000	0.002094	1.516317	764.7	34.2	0	0.009	6.516
VosburgPike071619_68	VP	1242916.51636	2350184.040691	16-07-2019 09:34:25	0.000000	0.001624	0.292084	764.6	35.1	0	0.007	1.259
VosburgPike071619_69	VP	1242972.433427	2349952.460939	16-07-2019 09:39:46	0.000000	0.000694	0.096686	764.3	35.9	0	0.003	0.418
VosburgPike071619_70	VP	1242964.997311	2349940.4393	16-07-2019 09:43:14	16.353640	0.000462	2.241670	763.9	36.3	70.83	0.002	9.709
VosburgPike071619_71	VP	1242941.788261	2349837.651845	16-07-2019 09:47:43	0.000000	0.000461	0.008525	764.0	37.0	-0.001	0.002	0.037
VosburgPike071619_72	VP	1243027.646369	2349770.222443	16-07-2019 09:50:54	0.653156	0.000460	0.300944	763.6	37.5	2.841	0.002	1.309
VosburgPike071619_73	VP	1243129.45406	2349836.497829	16-07-2019 09:55:23	0.854090	0.000917	0.757612	763.1	38.3	3.727	0.004	3.306

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071619_74	VP	1243204.892768	2349808.683792	16-07-2019 09:58:52	1.883857	0.001143	0.644862	762.4	38.9	8.244	0.005	2.822
VosburgPike071619_75	VP	1243203.62255	2349953.239745	16-07-2019 10:05:05	0.000000	0.001366	0.434292	762.0	39.8	-0.307	0.006	1.907
VosburgPike071619_76	VP	1243213.403704	2350206.590828	16-07-2019 10:12:16	0.000000	0.000454	0.350609	761.5	40.5	0	0.002	1.544
VosburgPike071619_77	VP	1243316.572436	2350124.414397	16-07-2019 10:18:22	0.000000	0.000680	0.164820	761.0	40.8	0	0.003	0.727
VosburgPike071619_78	VP	1243347.744298	2349975.337952	16-07-2019 10:23:14	5.639414	0.002941	1.189960	760.1	41.1	24.928	0.013	5.26
VosburgPike071619_79	VP	1243376.633286	2349809.904425	16-07-2019 10:28:08	0.000000	0.000000	0.626924	760.3	41.5	0	-0.002	2.774
VosburgPike071619_80	VP	1243337.488093	2349805.752499	16-07-2019 10:31:22	0.947891	0.000000	0.220256	760.7	41.8	4.196	-0.004	0.975
VosburgPike071619_81	VP	1243286.178649	2349767.802826	16-07-2019 10:37:25	0.000000	0.002256	0.267843	760.8	42.2	0	0.01	1.187
VosburgPike071619_82	VP	1243375.813713	2349782.012935	16-07-2019 10:41:14	10.763450	0.003612	1.291307	761.4	42.3	47.678	0.016	5.72
VosburgPike071619_83	VP	1243419.991581	2349758.215345	16-07-2019 10:44:17	8.818995	0.000451	1.662412	760.8	42.4	39.108	0.002	7.372
VosburgPike071619_84	VP	1243561.590306	2349802.244346	16-07-2019 10:48:47	0.000000	0.001125	0.032414	759.9	42.6	-0.035	0.005	0.144
VosburgPike071619_85	VP	1243478.642492	2349783.945113	16-07-2019 10:52:27	0.000000	0.000449	0.042662	758.5	42.8	-0.064	0.002	0.19
VosburgPike071619_86	VP	1243555.159482	2349911.492597	16-07-2019 10:57:36	0.000000	0.000449	0.238905	758.5	43.1	-0.157	0.002	1.065
VosburgPike071619_87	VP	1243605.556818	2349979.425238	16-07-2019 11:00:24	0.000000	0.002242	0.087868	758.4	43.3	-0.458	0.01	0.392
VosburgPike071619_88	VP	1243561.320976	2350059.93526	16-07-2019 11:05:28	0.639439	0.001119	0.583913	758.0	43.5	2.856	0.005	2.608
VosburgPike071619_89	VP	1243580.897155	2350154.679988	16-07-2019 11:08:28	0.000000	0.002015	0.038734	758.0	43.5	-0.121	0.009	0.173
VosburgPike071619_90	VP	1243773.03507	2350145.120609	16-07-2019 11:15:52	0.000000	0.002011	0.054511	757.3	43.9	-0.397	0.009	0.244
VosburgPike071619_91	VP	1243789.88209	2349921.970087	16-07-2019 11:19:57	0.000000	0.000668	0.039201	755.5	44.1	0	0.003	0.176
VosburgPike071619_92	VP	1243774.763463	2349759.888182	16-07-2019 11:22:55	0.000000	0.001114	0.001336	756.0	44.3	-0.376	0.005	0.006
VosburgPike071619_93	VP	1243915.7849	2349799.459525	16-07-2019 11:26:37	0.000000	0.000223	0.049194	756.0	44.5	0	0.001	0.221
VosburgPike071619_94	VP	1243954.838912	2350071.652603	16-07-2019 11:31:08	0.000000	0.003110	0.359445	755.2	44.8	-0.001	0.014	1.618
VosburgPike071619_95	VP	1243967.63979	2350148.62882	16-07-2019 11:33:46	0.000000	0.001552	0.127939	754.0	44.9	0	0.007	0.577
VosburgPike071619_96	VP	1244113.483449	2350043.226177	16-07-2019 11:37:29	0.000000	0.002438	0.062287	754.0	45.0	0	0.011	0.281
VosburgPike071619_97	VP	1244240.490794	2350174.986435	16-07-2019 11:42:13	0.000000	0.001992	0.108888	753.3	45.2	0	0.009	0.492
VosburgPike071619_98	VP	1244309.439574	2349931.836196	16-07-2019 11:46:51	0.000000	0.000442	0.044640	752.9	45.5	0	0.002	0.202
VosburgPike071619_99	VP	1244332.737731	2349783.508862	16-07-2019 12:57:01	0.000000	0.002849	0.231667	752.1	47.8	-0.67	0.013	1.057

APPENDIX C: VOLUMETRIC FLUX CALCULATIONS

Grid Volume Computations

Thu Aug 22 15:40:48 2019

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2019\Surfer\BC2CJ_ch4_notail.grd
Grid Size:	164 rows x 227 columns
X Minimum:	2299873.855
X Maximum:	2313460.138
X Spacing:	60.116296460176
Y Minimum:	1208378.865
Y Maximum:	1218136.392
Y Spacing:	59.862128834356
Z Minimum:	-182.67529164911
Z Maximum:	939.20131960326

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	-737239.88034171
Simpson's Rule:	-689895.66383557
Simpson's 3/8 Rule:	-638649.23937841

Cut & Fill Volumes

Positive Volume [Cut]:	4383076.0033903
Negative Volume [Fill]:	5120315.883732
Net Volume [Cut-Fill]:	-737239.88034168

Areas

Planar Areas

Positive Planar Area [Cut]:	8579369.3811538
Negative Planar Area [Fill]:	18887628.103518

Blanked Planar Area:	105101525.71747
Total Planar Area:	132568523.20214

Surface Areas

Positive Surface Area [Cut]:	8600402.9710528
Negative Surface Area [Fill]:	18893243.453802

Grid Volume Computations

Thu Aug 22 15:41:52 2019

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2019\Surfer\BC2CJ_co2.grd
Grid Size:	164 rows x 227 columns
X Minimum:	2299873.855
X Maximum:	2313460.138
X Spacing:	60.116296460176
Y Minimum:	1208378.865
Y Maximum:	1218136.392
Y Spacing:	59.862128834356
Z Minimum:	-8.2186690349676
Z Maximum:	44.981705045257

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	244525.41726523
Simpson's Rule:	243276.94228796
Simpson's 3/8 Rule:	250004.76539199

Cut & Fill Volumes

Positive Volume [Cut]:	473277.45202593
Negative Volume [Fill]:	228752.0347607
Net Volume [Cut-Fill]:	244525.41726524

Areas

Planar Areas

Positive Planar Area [Cut]:	22392772.258314
Negative Planar Area [Fill]:	5074225.2263576

Blanked Planar Area:	105101525.71747
Total Planar Area:	132568523.20214

Surface Areas

Positive Surface Area [Cut]:	22392807.115411
Negative Surface Area [Fill]:	5074232.8201159

Grid Volume Computations

Thu Aug 22 15:42:21 2019

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2019\Surfer\Fed_CO2.grd
Grid Size:	8 rows x 8 columns
X Minimum:	2319828.026
X Maximum:	2320236.41
X Spacing:	58.340571428583
Y Minimum:	1219609.289
Y Maximum:	1220020.205
Y Spacing:	58.702285714281
Z Minimum:	-0.0097163922638107
Z Maximum:	0.039511772023062

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	271.6211101967
Simpson's Rule:	271.20626387769
Simpson's 3/8 Rule:	276.85657865264

Cut & Fill Volumes

Positive Volume [Cut]:	274.99440512198
Negative Volume [Fill]:	3.3732949252803
Net Volume [Cut-Fill]:	271.6211101967

Areas

Planar Areas

Positive Planar Area [Cut]:	111859.17448985
Negative Planar Area [Fill]:	4581.471863145

Blanked Planar Area:	51370.873391026
Total Planar Area:	167811.51974402

Surface Areas

Positive Surface Area [Cut]:	111859.17452532
Negative Surface Area [Fill]:	4581.4718648796

Grid Volume Computations

Thu Aug 22 15:43:28 2019

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2019\Surfer\FR_ch4_notail.grd
Grid Size:	76 rows x 143 columns
X Minimum:	2328301.647
X Maximum:	2333285.115
X Spacing:	35.094845070425
Y Minimum:	1233418.338
Y Maximum:	1236059.754
Y Spacing:	35.21888
Z Minimum:	-6.6254986062223
Z Maximum:	17.416776595817

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	-18931.37394426
Simpson's Rule:	-18400.488396531
Simpson's 3/8 Rule:	-19011.484636102

Cut & Fill Volumes

Positive Volume [Cut]:	36599.939403708
Negative Volume [Fill]:	55531.313347969
Net Volume [Cut-Fill]:	-18931.37394426

Areas

Planar Areas

Positive Planar Area [Cut]:	1607118.6751052
Negative Planar Area [Fill]:	4276864.7383158

Blanked Planar Area:	7279428.6972677
Total Planar Area:	13163412.110689

Surface Areas

Positive Surface Area [Cut]:	1607122.6705654
Negative Surface Area [Fill]:	4276867.0372975

Grid Volume Computations

Thu Aug 22 15:43:50 2019

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2019\Surfer\FR_CO2.grd
Grid Size:	76 rows x 143 columns
X Minimum:	2328301.647
X Maximum:	2333285.115
X Spacing:	35.094845070425
Y Minimum:	1233418.338
Y Maximum:	1236059.754
Y Spacing:	35.21888
Z Minimum:	-0.49047595144063
Z Maximum:	2.1184404570993

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	103163.18887379
Simpson's Rule:	103266.92919819
Simpson's 3/8 Rule:	103128.26196491

Cut & Fill Volumes

Positive Volume [Cut]:	105610.99315466
Negative Volume [Fill]:	2447.8042808644
Net Volume [Cut-Fill]:	103163.18887379

Areas

Planar Areas

Positive Planar Area [Cut]:	5444552.613792
Negative Planar Area [Fill]:	439430.79962904

Blanked Planar Area:	7279428.6972677
Total Planar Area:	13163412.110689

Surface Areas

Positive Surface Area [Cut]:	5444552.8330904
Negative Surface Area [Fill]:	439430.81950132

Grid Volume Computations

Thu Aug 22 15:45:05 2019

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2019\Surfer\Sec12_CH4_notail.grd
Grid Size:	34 rows x 100 columns
X Minimum:	2358641.756
X Maximum:	2362472.395
X Spacing:	38.693323232323
Y Minimum:	1245063.465
Y Maximum:	1246460.329
Y Spacing:	42.329212121207
Z Minimum:	-44.437391354122
Z Maximum:	923.23134253876

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	875332.98852635
Simpson's Rule:	750880.45014365
Simpson's 3/8 Rule:	849833.97135064

Cut & Fill Volumes

Positive Volume [Cut]:	1117133.5117624
Negative Volume [Fill]:	241800.52323608
Net Volume [Cut-Fill]:	875332.98852635

Areas

Planar Areas

Positive Planar Area [Cut]:	1585696.795369
Negative Planar Area [Fill]:	3022416.3690736

Blanked Planar Area:	742768.55165265
Total Planar Area:	5350881.7160953

Surface Areas

Positive Surface Area [Cut]:	1597486.713931
Negative Surface Area [Fill]:	3022790.4689265

Grid Volume Computations

Thu Aug 22 15:45:29 2019

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2019\Surfer\Sec12_CO2.grd
Grid Size:	34 rows x 100 columns
X Minimum:	2358641.756
X Maximum:	2362472.395
X Spacing:	38.693323232323
Y Minimum:	1245063.465
Y Maximum:	1246460.329
Y Spacing:	42.329212121207
Z Minimum:	-0.65000255542027
Z Maximum:	6.8601157119138

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	103394.03443641
Simpson's Rule:	103431.64897792
Simpson's 3/8 Rule:	103111.81456627

Cut & Fill Volumes

Positive Volume [Cut]:	109317.25358836
Negative Volume [Fill]:	5923.2191519501
Net Volume [Cut-Fill]:	103394.03443641

Areas

Planar Areas

Positive Planar Area [Cut]:	4222519.8189277
Negative Planar Area [Fill]:	385593.34551489

Blanked Planar Area:	742768.55165265
Total Planar Area:	5350881.7160953

Surface Areas

Positive Surface Area [Cut]:	4222520.7636734
Negative Surface Area [Fill]:	385593.37942852

Grid Volume Computations

Thu Aug 22 15:45:55 2019

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2019\Surfer\Sec17_CH4_notail.grd
Grid Size:	22 rows x 25 columns
X Minimum:	2340859.219
X Maximum:	2341224.138
X Spacing:	15.204958333323
Y Minimum:	1240694.522
Y Maximum:	1241012.78
Y Spacing:	15.155142857139
Z Minimum:	-1.3771738492489
Z Maximum:	6.1954266405089

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	1682.0549222764
Simpson's Rule:	1702.4928323524
Simpson's 3/8 Rule:	1670.4138801261

Cut & Fill Volumes

Positive Volume [Cut]:	2458.7662519018
Negative Volume [Fill]:	776.71132962538
Net Volume [Cut-Fill]:	1682.0549222764

Areas

Planar Areas

Positive Planar Area [Cut]:	24431.503218044
Negative Planar Area [Fill]:	45505.008090338

Blanked Planar Area:	46201.879793511
Total Planar Area:	116138.39110189

Surface Areas

Positive Surface Area [Cut]:	24432.022590683
Negative Surface Area [Fill]:	45505.104815965

Grid Volume Computations

Thu Aug 22 15:46:13 2019

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2019\Surfer\Sec17_CO2.grd
Grid Size:	22 rows x 25 columns
X Minimum:	2340859.219
X Maximum:	2341224.138
X Spacing:	15.204958333323
Y Minimum:	1240694.522
Y Maximum:	1241012.78
Y Spacing:	15.155142857139
Z Minimum:	-0.36490331432915
Z Maximum:	1.9462513020968

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	842.38124559356
Simpson's Rule:	840.55796537803
Simpson's 3/8 Rule:	839.76466164151

Cut & Fill Volumes

Positive Volume [Cut]:	1111.5416314471
Negative Volume [Fill]:	269.16038585351
Net Volume [Cut-Fill]:	842.38124559356

Areas

Planar Areas

Positive Planar Area [Cut]:	37577.687335082
Negative Planar Area [Fill]:	32358.8239733

Blanked Planar Area:	46201.879793511
Total Planar Area:	116138.39110189

Surface Areas

Positive Surface Area [Cut]:	37577.743202113
Negative Surface Area [Fill]:	32358.83246807

Grid Volume Computations

Thu Aug 22 15:46:41 2019

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2019\Surfer\Sec18_CO2.grd
Grid Size:	21 rows x 24 columns
X Minimum:	2335014.555
X Maximum:	2335354.458
X Spacing:	14.778391304345
Y Minimum:	1237262.863
Y Maximum:	1237557.153
Y Spacing:	14.714500000002
Z Minimum:	-0.02016311106716
Z Maximum:	0.71204585463191

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	1650.2402481095
Simpson's Rule:	1643.0395052841
Simpson's 3/8 Rule:	1660.6975382326

Cut & Fill Volumes

Positive Volume [Cut]:	1650.6799572757
Negative Volume [Fill]:	0.43970916610464
Net Volume [Cut-Fill]:	1650.2402481095

Areas

Planar Areas

Positive Planar Area [Cut]:	85058.771067336
Negative Planar Area [Fill]:	510.41631927722

Blanked Planar Area:	14460.866483379
Total Planar Area:	100030.05386999

Surface Areas

Positive Surface Area [Cut]:	85058.777214021
Negative Surface Area [Fill]:	510.41633103258

Grid Volume Computations

Thu Aug 22 15:47:12 2019

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2019\Surfer\TC2PR_CH4_notail.grd
Grid Size:	173 rows x 545 columns
X Minimum:	2370498.698
X Maximum:	2389530.231
X Spacing:	34.984435661765
Y Minimum:	1237819.804
Y Maximum:	1243823.854
Y Spacing:	34.907267441861
Z Minimum:	-215.97028857761
Z Maximum:	606.12294434778

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	467991.4561093
Simpson's Rule:	470269.43732625
Simpson's 3/8 Rule:	492194.22972178

Cut & Fill Volumes

Positive Volume [Cut]:	2561648.9177548
Negative Volume [Fill]:	2093658.601458
Net Volume [Cut-Fill]:	467990.31629678

Areas

Planar Areas

Positive Planar Area [Cut]:	7797429.8893897
Negative Planar Area [Fill]:	18969073.947202

Blanked Planar Area:	87499771.872061
Total Planar Area:	114266275.70865

Surface Areas

Positive Surface Area [Cut]:	7804175.3912836
Negative Surface Area [Fill]:	18971171.359539

Grid Volume Computations

Thu Aug 22 15:47:31 2019

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2019\Surfer\TC2PR_CO2.grd
Grid Size:	173 rows x 550 columns
X Minimum:	2370498.698
X Maximum:	2389730.231
X Spacing:	35.030114754099
Y Minimum:	1237819.804
Y Maximum:	1243823.854
Y Spacing:	34.907267441861
Z Minimum:	-2.0473315620479
Z Maximum:	8.340907598988

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	331038.341536
Simpson's Rule:	331312.93772475
Simpson's 3/8 Rule:	331094.86621125

Cut & Fill Volumes

Positive Volume [Cut]:	366310.63048033
Negative Volume [Fill]:	35272.288944321
Net Volume [Cut-Fill]:	331038.341536

Areas

Planar Areas

Positive Planar Area [Cut]:	24069814.410995
Negative Planar Area [Fill]:	2886934.6935845

Blanked Planar Area:	88510336.604073
Total Planar Area:	115467085.70865

Surface Areas

Positive Surface Area [Cut]:	24069816.386861
Negative Surface Area [Fill]:	2886934.9640897

Grid Volume Computations

Thu Aug 22 15:48:53 2019

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2019\Surfer\VP_ch4_notail.grd
Grid Size:	65 rows x 128 columns
X Minimum:	2349036.518
X Maximum:	2353493.012
X Spacing:	35.090503937007
Y Minimum:	1242470.23
Y Maximum:	1244707.812
Y Spacing:	34.962218749999
Z Minimum:	-1.6883737652625
Z Maximum:	11.881244794607

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	41789.14894096
Simpson's Rule:	41306.213573058
Simpson's 3/8 Rule:	41490.985731442

Cut & Fill Volumes

Positive Volume [Cut]:	71143.454950345
Negative Volume [Fill]:	29354.306009385
Net Volume [Cut-Fill]:	41789.14894096

Areas

Planar Areas

Positive Planar Area [Cut]:	3385484.6700108
Negative Planar Area [Fill]:	1660515.960603

Blanked Planar Area:	4925770.1268938
Total Planar Area:	9971770.7575076

Surface Areas

Positive Surface Area [Cut]:	3385489.4331855
Negative Surface Area [Fill]:	1660516.3672939

Grid Volume Computations

Thu Aug 22 15:49:09 2019

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2019\Surfer\VP_CO2.grd
Grid Size:	65 rows x 123 columns
X Minimum:	2349236.518
X Maximum:	2353493.012
X Spacing:	34.889295081967
Y Minimum:	1242470.23
Y Maximum:	1244707.812
Y Spacing:	34.962218749999
Z Minimum:	-0.1617501121387
Z Maximum:	2.0873725518741

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	58214.65751292
Simpson's Rule:	58152.406132932
Simpson's 3/8 Rule:	58226.590190076

Cut & Fill Volumes

Positive Volume [Cut]:	58736.339604381
Negative Volume [Fill]:	521.68209146083
Net Volume [Cut-Fill]:	58214.65751292

Areas

Planar Areas

Positive Planar Area [Cut]:	4565441.6270534
Negative Planar Area [Fill]:	236939.18820113

Blanked Planar Area:	4721873.5422531
Total Planar Area:	9524254.3575076

Surface Areas

Positive Surface Area [Cut]:	4565441.7365814
Negative Surface Area [Fill]:	236939.19228568

75 Suttle Street
Durango, CO 81303
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03 July 2019

Devin Hencmann
LT Environmental
848 E 2nd Ave
Durango, CO 81301

RE: La Plata Springs

Enclosed are the results of analyses for samples received by the laboratory on 06/20/19 11:52.
If you need any further assistance, please feel free to contact me.

Sincerely,

Jeremy D Allen For Debbie Zufelt
Reports Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at http://greenanalytical.com/certifications/

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Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8.

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www.GreenAnalytical.com

LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: [none]	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	07/03/19 15:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
River Spring	1906198-01	Water	06/20/19 11:05	06/20/19 11:52	

Green Analytical Laboratories

Jeremy D Allen For Debbie Zufelt, Reports Manager

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: [none]	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	07/03/19 15:36

River Spring

1906198-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate as CaCO3*	**488**	10.0		mg/L	1	06/27/19	2320 B		VJL
Alkalinity, Carbonate as CaCO3*	<10.0	10.0		mg/L	1	06/27/19	2320 B		VJL
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0		mg/L	1	06/27/19	2320 B		VJL
Alkalinity, Total as CaCO3*	**488**	10.0	3.06	mg/L	1	06/27/19	2320 B		VJL
Bromide	**0.404**	0.200	0.0690	mg/L	2	07/02/19	EPA300.0		AES
Chloride*	**72.0**	5.00	0.513	mg/L	5	06/22/19	EPA300.0		AES
Fluoride*	<0.500	0.500	0.0733	mg/L	5	06/22/19	EPA300.0		AES
Total Dissolved Solids*	**2440**	10.0		mg/L	1	06/21/19	EPA160.1		VJL
Sulfate*	**1190**	50.0	10.7	mg/L	50	06/22/19	EPA300.0		AES
Dissolved Metals by ICP									
Calcium*	**240**	0.100	0.013	mg/L	1	06/26/19	EPA200.7		AES
Iron*	<0.050	0.050	0.028	mg/L	1	06/26/19	EPA200.7		AES
Magnesium*	**174**	0.500	0.094	mg/L	5	07/03/19	EPA200.7		AES
Potassium*	**4.35**	1.00	0.096	mg/L	1	06/26/19	EPA200.7		AES
Sodium*	**244**	1.00	0.367	mg/L	1	06/26/19	EPA200.7		AES

Green Analytical Laboratories

Jeremy D Allen For Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: [none]	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	07/03/19 15:36

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B906211 - General Prep - Wet Chem										
Blank (B906211-BLK1)			Prepared & Analyzed: 06/21/19							
Chloride	ND	1.00	mg/L							
Fluoride	ND	0.100	mg/L							
Sulfate	ND	1.00	mg/L							
LCS (B906211-BS1)			Prepared & Analyzed: 06/21/19							
Chloride	25.1	1.00	mg/L	25.0		101	90-110			
Fluoride	2.51	0.100	mg/L	2.50		100	90-110			
Sulfate	24.8	1.00	mg/L	25.0		99.3	90-110			
LCS Dup (B906211-BSD1)			Prepared & Analyzed: 06/21/19							
Chloride	25.0	1.00	mg/L	25.0		99.9	90-110	0.706	20	
Fluoride	2.51	0.100	mg/L	2.50		100	90-110	0.00	20	
Sulfate	24.7	1.00	mg/L	25.0		98.7	90-110	0.602	20	
Batch B906215 - General Prep - Wet Chem										
Blank (B906215-BLK1)			Prepared & Analyzed: 06/21/19							
Total Dissolved Solids	ND	10.0	mg/L							
Reference (B906215-SRM1)			Prepared & Analyzed: 06/21/19							
Total Dissolved Solids	590	10.0	mg/L	600		98.3	85-115			
Batch B906263 - General Prep - Wet Chem										
Blank (B906263-BLK1)			Prepared: 06/26/19 Analyzed: 06/27/19							
Alkalinity, Bicarbonate as CaCO3	ND	10.0	mg/L							
Alkalinity, Carbonate as CaCO3	ND	10.0	mg/L							
Alkalinity, Hydroxide as CaCO3	ND	10.0	mg/L							
Alkalinity, Total as CaCO3	ND	10.0	mg/L							
LCS (B906263-BS1)			Prepared: 06/26/19 Analyzed: 06/27/19							
Alkalinity, Bicarbonate as CaCO3	102	10.0	mg/L				85-115			
Alkalinity, Carbonate as CaCO3	ND	10.0	mg/L				85-115			
Alkalinity, Hydroxide as CaCO3	ND	10.0	mg/L				85-115			
Alkalinity, Total as CaCO3	102	10.0	mg/L	100		102	85-115			
LCS Dup (B906263-BSD1)			Prepared: 06/26/19 Analyzed: 06/27/19							
Alkalinity, Bicarbonate as CaCO3	105	10.0	mg/L				85-115	2.90	20	
Alkalinity, Carbonate as CaCO3	ND	10.0	mg/L				85-115		20	
Alkalinity, Hydroxide as CaCO3	ND	10.0	mg/L				85-115		20	
Alkalinity, Total as CaCO3	105	10.0	mg/L	100		105	85-115	2.90	20	
Batch B907018 - General Prep - Wet Chem										
Blank (B907018-BLK1)			Prepared & Analyzed: 07/01/19							
Bromide	ND	0.100	mg/L							

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Jeremy D Allen For Debbie Zufelt, Reports Manager

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: [none]	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	07/03/19 15:36

General Chemistry - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B907018 - General Prep - Wet Chem (Continued)										
LCS (B907018-BS1)				Prepared & Analyzed: 07/01/19						
Bromide	2.64	0.100	mg/L	2.50		106	90-110			
LCS Dup (B907018-BSD1)				Prepared & Analyzed: 07/01/19						
Bromide	2.65	0.100	mg/L	2.50		106	90-110	0.567	20	

Dissolved Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B906242 - Diss. 200.7/200.8										
Blank (B906242-BLK1)				Prepared: 06/24/19 Analyzed: 06/26/19						
Calcium	ND	0.100	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.100	mg/L							
Potassium	ND	1.00	mg/L							
Sodium	ND	1.00	mg/L							
LCS (B906242-BS1)				Prepared: 06/24/19 Analyzed: 06/26/19						
Calcium	5.28	0.100	mg/L	5.00		106	85-115			
Iron	5.24	0.050	mg/L	5.00		105	85-115			
Magnesium	25.5	0.100	mg/L	25.0		102	85-115			
Potassium	9.46	1.00	mg/L	10.0		94.6	85-115			
Sodium	4.14	1.00	mg/L	4.05		102	85-115			
LCS Dup (B906242-BSD1)				Prepared: 06/24/19 Analyzed: 06/26/19						
Calcium	5.26	0.100	mg/L	5.00		105	85-115	0.390	20	
Iron	5.26	0.050	mg/L	5.00		105	85-115	0.385	20	
Magnesium	25.6	0.100	mg/L	25.0		102	85-115	0.174	20	
Potassium	9.49	1.00	mg/L	10.0		94.9	85-115	0.277	20	
Sodium	4.14	1.00	mg/L	4.05		102	85-115	0.110	20	

Green Analytical Laboratories



Jeremy D Allen For Debbie Zufelt, Reports Manager

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dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

www.GreenAnalytical.com

LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: [none]	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	07/03/19 15:36

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Jeremy D Allen For Debbie Zufelt, Reports Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Green Analytical Laboratories
(970) 247-4220
Fax: (970) 247-4227
service@greenanalytical.com or dzufelt@greenanalytical.com
75 Suttle St Durango, CO 81303

Company Name(If Applicable): LT Environmental	Bill to (if different):
Contact Person: Devin Hencmann	P.O. #:
Address: 848 E. 2nd Avenue	Company:
City: Durango **State:** CO **Zip:** 81301	Attn:
Phone #: 970-385-1096	Address:
Email: dhencmann@ltenv.com	City:
Project Name(optional):	State: Zip:
Project Number(optional):	Phone #:
Sampler Name (Print): Caitlin McGinn, Eric Carroll	Email:

For Lab Use	Sample Name or Location	Collected Date	Collected Time	Matrix: GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	DRINKING WATER	OTHER :	# of containers: No preservation (general)	HNO_3	HCl	H_2SO_4	Other:	Other:	ANALYSIS REQUEST: Alkalinity	Metals (dissolved)	Bromide	Calcium Dissolved	Chloride	Fluoride	Sulfate	TDS
1906-198-01	River Spring	6/20	1105														X	X	X	X	X	X	X	X

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Relinquished By: † Caitlin McGinn	Date: 06/20/19 Time: 1152	Received By: Jenna Cini	ADDITIONAL REMARKS: Please see attached for analysis
Relinquished By:	Date: Time:	Received By:	Report to State? (Circle) Yes (No)
Relinquished By:	Date: Time:	Received By: #1 now	
Delivered By: (Circle One) Sampler - UPS - FedEx - Kangaroo - Other:	Temperature at reciept: 18.1 / 17.9C	CHECKED BY: JC	

† GAL cannot always accept verbal changes. Please fax or email written change requests.

* Chain of Custody must be signed in "Reliquished By:" as an acceptance of services and all applicable charges.

Project Information

LT Environmental
848 E 2nd Ave
Durango, CO 81301
Laboratory PM: **Debbie Zufelt**
Phone:(970) 385-1096
Fax:-

LTE
6/19/2019

Project Name: La Plata Springs
Project Number: 005217001
Client PM: Caitlin McGinn
Comments:

Analysis	Comment
Alkalinity, Bicarbonate	
Alkalinity, Carbonate	
Alkalinity, Hydroxide	
Alkalinity, Total	
Bromide by IC	
Calcium Dissolved by ICP	
Chloride by IC	
Fluoride by IC	
Iron Dissolved by ICP	
Magnesium Dissolved by ICP	
Potassium Dissolved by ICP	
Sodium Dissolved by ICP	
Solids, Total Dissolved (TDS)	
Sulfate by IC	

5 X [250 general / 250 met. unpres.

75 Suttle Street
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31 July 2019

Devin Hencmann
LT Environmental
848 E 2nd Ave
Durango, CO 81301

RE: La Plata Springs

Enclosed are the results of analyses for samples received by the laboratory on 07/18/19 13:35.
If you need any further assistance, please feel free to contact me.

Sincerely,

Debbie Zufelt
Reports Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at http://greenanalytical.com/certifications/

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water.

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8.

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: [none]	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	07/31/19 13:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Kane Ranch Spring	1907204-01	Water	07/18/19 12:10	07/18/19 13:35	

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Debbie Zufelt

Debbie Zufelt, Reports Manager

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: [none]	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	07/31/19 13:36

Kane Ranch Spring

1907204-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate as CaCO3*	**50.0**	10.0		mg/L	1	07/30/19	2320 B		VJL
Alkalinity, Carbonate as CaCO3*	<10.0	10.0		mg/L	1	07/30/19	2320 B		VJL
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0		mg/L	1	07/30/19	2320 B		VJL
Alkalinity, Total as CaCO3*	**50.0**	10.0	3.06	mg/L	1	07/30/19	2320 B		VJL
Bromide	**0.378**	0.100	0.0345	mg/L	1	07/25/19	EPA300.0		AES
Chloride*	**3.60**	1.00	0.103	mg/L	1	07/23/19	EPA300.0		AES
Fluoride*	**0.156**	0.100	0.0147	mg/L	1	07/23/19	EPA300.0		AES
Total Dissolved Solids*	**560**	10.0		mg/L	1	07/23/19	EPA160.1		VJL
Sulfate*	**353**	10.0	2.13	mg/L	10	07/24/19	EPA300.0		AES
Dissolved Metals by ICP									
Calcium*	**91.3**	0.100	0.013	mg/L	1	07/23/19	EPA200.7		AES
Iron*	<0.050	0.050	0.028	mg/L	1	07/19/19	EPA200.7		AES
Magnesium*	**33.1**	0.100	0.019	mg/L	1	07/19/19	EPA200.7		AES
Potassium*	**5.62**	1.00	0.096	mg/L	1	07/23/19	EPA200.7		AES
Sodium*	**16.4**	1.00	0.367	mg/L	1	07/19/19	EPA200.7		AES

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Debbie Zufelt

Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: [none]	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	07/31/19 13:36

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B907222 - General Prep - Wet Chem										
Blank (B907222-BLK1)			Prepared & Analyzed: 07/23/19							
Chloride	ND	1.00	mg/L							
Fluoride	ND	0.100	mg/L							
Sulfate	ND	1.00	mg/L							
LCS (B907222-BS1)			Prepared & Analyzed: 07/23/19							
Chloride	24.3	1.00	mg/L	25.0		97.1	90-110			
Fluoride	2.47	0.100	mg/L	2.50		98.7	90-110			
Sulfate	23.8	1.00	mg/L	25.0		95.0	90-110			
LCS Dup (B907222-BSD1)			Prepared & Analyzed: 07/23/19							
Chloride	23.8	1.00	mg/L	25.0		95.0	90-110	2.19	20	
Fluoride	2.44	0.100	mg/L	2.50		97.8	90-110	0.977	20	
Sulfate	23.5	1.00	mg/L	25.0		93.8	90-110	1.25	20	
Batch B907231 - General Prep - Wet Chem										
Blank (B907231-BLK1)			Prepared & Analyzed: 07/23/19							
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (B907231-DUP1)		**Source: 1907183-01**	Prepared & Analyzed: 07/23/19							
Total Dissolved Solids	3960	20.0	mg/L		3940			0.507	20	
Reference (B907231-SRM1)			Prepared & Analyzed: 07/23/19							
Total Dissolved Solids	585	10.0	mg/L	600		97.5	85-115			
Batch B907263 - General Prep - Wet Chem										
Blank (B907263-BLK1)			Prepared & Analyzed: 07/25/19							
Bromide	ND	0.100	mg/L							
LCS (B907263-BS1)			Prepared & Analyzed: 07/25/19							
Bromide	2.67	0.100	mg/L	2.50		107	90-110			
LCS Dup (B907263-BSD1)			Prepared & Analyzed: 07/25/19							
Bromide	2.68	0.100	mg/L	2.50		107	90-110	0.299	20	
Batch B907301 - General Prep - Wet Chem										
Blank (B907301-BLK1)			Prepared & Analyzed: 07/30/19							
Alkalinity, Total as CaCO3	ND	10.0	mg/L							
LCS (B907301-BS1)			Prepared & Analyzed: 07/30/19							
Alkalinity, Total as CaCO3	104	10.0	mg/L	100		104	85-115			
LCS Dup (B907301-BSD1)			Prepared & Analyzed: 07/30/19							
Alkalinity, Total as CaCO3	106	10.0	mg/L	100		106	85-115	1.90	20	

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: [none]	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	07/31/19 13:36

Dissolved Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B907210 - Diss. 200.7/200.8										
Blank (B907210-BLK1)			Prepared & Analyzed: 07/19/19							
Calcium	ND	0.100	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.100	mg/L							
Potassium	ND	1.00	mg/L							
Sodium	ND	1.00	mg/L							
LCS (B907210-BS1)			Prepared & Analyzed: 07/19/19							
Calcium	4.57	0.100	mg/L	5.00		91.5	85-115			
Iron	4.64	0.050	mg/L	5.00		92.8	85-115			
Magnesium	23.6	0.100	mg/L	25.0		94.3	85-115			
Potassium	8.90	1.00	mg/L	10.0		89.0	85-115			
Sodium	3.84	1.00	mg/L	4.05		94.9	85-115			
LCS Dup (B907210-BSD1)			Prepared & Analyzed: 07/19/19							
Calcium	4.82	0.100	mg/L	5.00		96.3	85-115	5.19	20	
Iron	4.79	0.050	mg/L	5.00		95.9	85-115	3.27	20	
Magnesium	24.4	0.100	mg/L	25.0		97.5	85-115	3.34	20	
Potassium	9.29	1.00	mg/L	10.0		92.9	85-115	4.24	20	
Sodium	3.93	1.00	mg/L	4.05		97.1	85-115	2.33	20	

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LT Environmental	Project:	La Plata Springs	
848 E 2nd Ave	Project Name / Number:	[none]	**Reported:**
Durango CO, 81301	Project Manager:	Devin Hencmann	07/31/19 13:36

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Green Analytical Laboratories
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Fax: (970) 247-4227
service@greenanalytical.com or dzufelt@greenanalytical.com
75 Suttle St Durango, CO 81303

Company Name(If Applicable):	LT Environmental
Contact Person:	Devin Hencmann
Address:	848 East 2nd Avenue
City:	Durango **State:** CO **Zip:** 81301
Phone #:	970-385-1096
Email:	dhencmann@ltenv.com
Project Name(optional):	
Project Number(optional):	
Sampler Name (Print):	Caitlin McGinn, Travis Short

Bill to (if different):	
P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Email:	

For Lab Use	Sample Name or Location	Collected Date	Collected Time	Matrix (check one): GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	DRINKING WATER	OTHER:	# of containers: No preservation (general)	HNO_3	HCl	H_2SO_4	Other:	Other:	ANALYSIS REQUEST: Alkalinity	Metals (dissolved)	Bromide	Calcium	Chloride	Fluoride	Sulfate	TDS	
1907.204.01	Kane Ranch Spring	7/18/19	12:10								2						X	X	X	X	X	X	X	X	

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Relinquished By: Caitlin McGinn	**Date:** 7/18/19 **Time:** 1335	Received By: Jenna Cini
Relinquished By:	Date: Time:	Received By:
Relinquished By:	Date: Time:	Received By: #1 on ice

Delivered By: (Circle One)
Sampler - UPS - FedEx - Kangaroo - Other:

Temperature at reciept: 21.9/21.7°C

CHECKED BY: JM

ADDITIONAL REMARKS: Please see attached for analysis

Report to State? (Circle) Yes (No)

† GAL cannot always accept verbal changes. Please fax or email written change requests.
* Chain of Custody must be signed in "Reliquished By:" as an acceptance of services and all applicable charges.

Project Information

LTE
6/19/2019

LT Environmental
848 E 2nd Ave
Durango, CO 81301
Laboratory PM: Debbie Zufelt
Phone:(970) 385-1096
Fax:-

Project Name: La Plata Springs
Project Number: 005217001
Client PM: Caitlin McGinn
Comments:

Analysis	Comment
Alkalinity, Bicarbonate	
Alkalinity, Carbonate	
Alkalinity, Hydroxide	
Alkalinity, Total	
Bromide by IC	
Calcium Dissolved by ICP	
Chloride by IC	
Fluoride by IC	
Iron Dissolved by ICP	
Magnesium Dissolved by ICP	
Potassium Dissolved by ICP	
Sodium Dissolved by ICP	
Solids, Total Dissolved (TDS)	
Sulfate by IC	

5x [250 general / 250 met. unpres.

Page 8 of 8 1907204 GAL FINAL 07 31 19 1336 07/31/19 13:36:41
Scanned with CamScanner

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970.247.4227 Fax
www.greenanalytical.com

06 September 2019

Devin Hencmann
LT Environmental
848 E 2nd Ave
Durango, CO 81301

RE: La Plata Springs

Enclosed are the results of analyses for samples received by the laboratory on 08/22/19 16:00.
If you need any further assistance, please feel free to contact me.

Sincerely,

Jeremy D. Allen

Jeremy D Allen For Debbie Zufelt
Reports Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at http://greenanalytical.com/certifications/

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Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8.

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: 005219002.004	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	09/06/19 14:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Darwin Ratner #1	1908257-01	Water	08/22/19 13:20	08/22/19 16:00	

Green Analytical Laboratories

Jeremy D Allen For Debbie Zufelt, Reports Manager

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: 005219002.004	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	09/06/19 14:17

Darwin Ratner #1

1908257-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate as CaCO3*	**185**	10.0		mg/L	5	08/30/19 10:45	2320 B		VJL
Alkalinity, Carbonate as CaCO3*	<10.0	10.0		mg/L	5	08/30/19 10:45	2320 B		VJL
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0		mg/L	5	08/30/19 10:45	2320 B		VJL
Alkalinity, Total as CaCO3*	**185**	10.0	3.06	mg/L	5	08/30/19 10:45	2320 B		VJL
Bromide	<0.100	0.100	0.0345	mg/L	1	08/26/19 22:30	EPA300.0		AES
Chloride*	**16.4**	1.00	0.103	mg/L	1	09/05/19 01:42	EPA300.0		AES
Fluoride*	**0.141**	0.100	0.0147	mg/L	1	09/05/19 01:42	EPA300.0		AES
Total Dissolved Solids*	**215**	10.0		mg/L	1	08/28/19 12:40	EPA160.1		VJL
Sulfate*	**35.9**	1.00	0.213	mg/L	1	09/05/19 01:42	EPA300.0		AES
Dissolved Metals by ICP									
Calcium*	**67.2**	0.100	0.013	mg/L	1	09/05/19 10:59	EPA200.7		AES
Iron*	<0.050	0.050	0.028	mg/L	1	09/05/19 10:59	EPA200.7		AES
Magnesium*	**19.8**	0.100	0.019	mg/L	1	09/05/19 10:59	EPA200.7		AES
Potassium*	**2.12**	1.00	0.096	mg/L	1	09/05/19 10:59	EPA200.7		AES
Sodium*	**8.35**	1.00	0.367	mg/L	1	09/05/19 10:59	EPA200.7		AES

Green Analytical Laboratories

Jeremy D Allen For Debbie Zufelt, Reports Manager

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: 005219002.004	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	09/06/19 14:17

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B908248 - General Prep - Wet Chem										
Blank (B908248-BLK1)			Prepared & Analyzed: 08/26/19							
Bromide	ND	0.100	mg/L							
LCS (B908248-BS1)			Prepared & Analyzed: 08/26/19							
Bromide	2.67	0.100	mg/L	2.50		107	90-110			
LCS Dup (B908248-BSD1)			Prepared & Analyzed: 08/26/19							
Bromide	2.75	0.100	mg/L	2.50		110	90-110	2.95	20	
Batch B908271 - General Prep - Wet Chem										
Blank (B908271-BLK1)			Prepared & Analyzed: 08/28/19							
Total Dissolved Solids	ND	10.0	mg/L							
Reference (B908271-SRM1)			Prepared & Analyzed: 08/28/19							
Total Dissolved Solids	595	10.0	mg/L	600		99.2	85-115			
Batch B908309 - General Prep - Wet Chem										
Blank (B908309-BLK1)			Prepared & Analyzed: 08/30/19							
Alkalinity, Total as CaCO3	ND	10.0	mg/L							
LCS (B908309-BS1)			Prepared & Analyzed: 08/30/19							
Alkalinity, Total as CaCO3	98.0	10.0	mg/L	100		98.0	85-115			
LCS Dup (B908309-BSD1)			Prepared & Analyzed: 08/30/19							
Alkalinity, Total as CaCO3	97.0	10.0	mg/L	100		97.0	85-115	1.03	20	
Batch B909003 - General Prep - Wet Chem										
Blank (B909003-BLK1)			Prepared: 09/03/19 Analyzed: 09/05/19							
Chloride	ND	1.00	mg/L							
Fluoride	ND	0.100	mg/L							
Sulfate	ND	1.00	mg/L							
LCS (B909003-BS1)			Prepared: 09/03/19 Analyzed: 09/04/19							
Chloride	25.2	1.00	mg/L	25.0		101	90-110			
Fluoride	2.55	0.100	mg/L	2.50		102	90-110			
Sulfate	25.0	1.00	mg/L	25.0		99.8	90-110			
LCS Dup (B909003-BSD1)			Prepared: 09/03/19 Analyzed: 09/04/19							
Chloride	25.3	1.00	mg/L	25.0		101	90-110	0.214	20	
Fluoride	2.55	0.100	mg/L	2.50		102	90-110	0.118	20	
Sulfate	25.1	1.00	mg/L	25.0		100	90-110	0.512	20	

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Jeremy D Allen For Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: 005219002.004	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	09/06/19 14:17

Dissolved Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B908223 - Diss. 200.7/200.8										
Blank (B908223-BLK1)				Prepared: 08/22/19 Analyzed: 09/05/19						
Calcium	ND	0.100	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.100	mg/L							
Potassium	ND	1.00	mg/L							
Sodium	ND	1.00	mg/L							
LCS (B908223-BS1)				Prepared: 08/22/19 Analyzed: 09/05/19						
Calcium	5.12	0.100	mg/L	5.00		102	85-115			
Iron	4.92	0.050	mg/L	5.00		98.4	85-115			
Magnesium	25.2	0.100	mg/L	25.0		101	85-115			
Potassium	10.3	1.00	mg/L	10.0		103	85-115			
Sodium	4.08	1.00	mg/L	4.05		101	85-115			
LCS Dup (B908223-BSD1)				Prepared: 08/22/19 Analyzed: 09/05/19						
Calcium	4.99	0.100	mg/L	5.00		99.8	85-115	2.51	20	
Iron	4.91	0.050	mg/L	5.00		98.1	85-115	0.251	20	
Magnesium	24.7	0.100	mg/L	25.0		98.7	85-115	1.99	20	
Potassium	10.2	1.00	mg/L	10.0		102	85-115	1.05	20	
Sodium	4.19	1.00	mg/L	4.05		103	85-115	2.77	20	

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: 005219002.004	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	09/06/19 14:17

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Jeremy D Allen For Debbie Zufelt, Reports Manager

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75 Suttle St Durango, CO 81303

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006
COC - Revision 5.0

Company or Client:	LT Environmental
Address:	848 East 2nd Avenue
City:	Durango, CO **State:** **Zip:** 81301
Phone #:	970-403-6023
Contact Person:	Devin Hencmann
Email Report to:	Devin Hencman dhencmann@ltenv.com
Project Name(optional):	La Plata Springs
	PO #: 005219002.004
Sampler Name (Print):	Travis Short, Caitlin McGinn

Bill to (if different):
P.O. #:
Company:
Attn:
Address:
City:
State: Zip:
Phone #:
Email:

For Lab Use	Sample Name or Location	Collected Date	Collected Time	Matrix (check one) GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	DRINKING WATER	OTHER :	# of containers No preservation (general)	HNO_3	HCl	H_2SO_4	Other:	Other:	ANALYSIS REQUEST Alkalinity	Metals (dissolved)	Bromide	Calcium	Chloride	Fluoride	Sulfate	TDS	
1908-257-01	Darwin Rather #1	8.22.19	13:20														X	X	X	X	X	X	X	X	

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion. In no event shall GAL be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date:	Time:	Received By:
Caitlin McGinn	8.22.19	4:00	Jerry Allen
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ADDITIONAL REMARKS: Report to State? (Circle) Yes No

cc: cmcginn@ltenv.com

See attached analyte list

Laboratory ice

10.8/10.6°C Temperature at receipt:

JOA CHECKED BY

† GAL cannot always accept verbal changes. Please fax or email written change requests.

* Chain of Custody must be signed in "Reliquished By:" as an acceptance of services and all applicable charges.

Project Information

LT Environmental

848 E 2nd Ave
Durango, CO 81301
Laboratory PM: Debbie Zufelt

Phone:(970) 385-1096
Fax:-

LTE
8/22/2019

Project Name:	La Plata Springs
Project Number:	005217001
Client PM:	Caitlin McGinn
Comments:	

Analysis	Comment
Alkalinity, Bicarbonate	
Alkalinity, Carbonate	
Alkalinity, Hydroxide	
Alkalinity, Total	
Bromide by IC	
Calcium Dissolved by ICP	
Chloride by IC	
Fluoride by IC	
Iron Dissolved by ICP	
Magnesium Dissolved by ICP	
Potassium Dissolved by ICP	
Sodium Dissolved by ICP	
Solids, Total Dissolved (TDS)	
Sulfate by IC	

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #:	731833	Job #:	42586	IS-65828	Co. Job#:
Sample Name:	River Spring				Co. Lab#:
Company:	LT Environmental				
API/Well:					
Container:	VOA Vial				
Field/Site Name:	2019 Fruitland Outcrop Monitoring				
Location:	La Plata County, CO				
Formation/Depth:					
Sampling Point:					
Date Sampled:	8/22/2019 12:30	Date Received:	8/23/2019	Date Reported:	9/11/2019

Component	Chemical mol. %	$\delta^{13}C$ ‰	δD ‰	$\delta^{18}O$ ‰	Dissolved gas cc/L	Dissolved gas ppm
Carbon Monoxide	nd					
Helium	na					
Hydrogen	nd					
Argon	0.967					
Oxygen	21.52					
Nitrogen	44.35					
Carbon Dioxide	33.16					
Methane	0.0028				0.001	0.0008
Ethane	nd				< 0.0006	< 0.0008
Ethylene	nd					
Propane	nd				< 0.0006	< 0.001
Propylene	nd					
Iso-butane	nd					
N-butane	nd					
Iso-pentane	nd					
N-pentane	nd					
Hexanes +	nd					

Remarks:
Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.93
*Addition of helium negates the ability to detect native helium and may negate the ability to detect hydrogen.

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Isotopic composition of oxygen is relative to VSMOW, except for carbon dioxide which is relative to VPDB. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #:	727819	Job #:	42305	IS-65828	Co. Job#:
Sample Name:	Kane Ranch Spring				Co. Lab#:
Company:	LT Environmental				
API/Well:					
Container:	VOA Vial				
Field/Site Name:	2019 Fruitland Outcrop Monitoring 005219002.004				
Location:	Kane Ranch Spring				
Formation/Depth:					
Sampling Point:					
Date Sampled:	7/18/2019 12:10	Date Received:	7/22/2019	Date Reported:	8/12/2019

Component	Chemical mol. %	$\delta^{13}C$ ‰	δD ‰	$\delta^{18}O$ ‰	Dissolved gas cc/L	Dissolved gas ppm
Carbon Monoxide	nd					
Helium	na					
Hydrogen	nd					
Argon	1.01					
Oxygen	2.24					
Nitrogen	49.65					
Carbon Dioxide	7.63					
Methane	39.47				12	8.1
Ethane	nd				< 0.0009	< 0.001
Ethylene	nd					
Propane	nd				< 0.0009	< 0.002
Propylene	nd					
Iso-butane	nd					
N-butane	nd					
Iso-pentane	nd					
N-pentane	nd					
Hexanes +	nd					

Remarks:
Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.97
*Addition of helium negates the ability to detect native helium and may negate the ability to detect hydrogen.

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Isotopic composition of oxygen is relative to VSMOW, except for carbon dioxide which is relative to VPDB. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #:	731832	Job #:	42586	IS-65828	Co. Job#:
Sample Name:	Darwin Rather #1				Co. Lab#:
Company:	LT Environmental				
API/Well:					
Container:	VOA Vial				
Field/Site Name:	2019 Fruitland Outcrop Monitoring				
Location:	La Plata County, CO				
Formation/Depth:					
Sampling Point:					
Date Sampled:	8/22/2019 13:20	Date Received:	8/23/2019	Date Reported:	9/11/2019

Component	Chemical mol. %	$\delta^{13}C$ ‰	δD ‰	$\delta^{18}O$ ‰	Dissolved gas cc/L	Dissolved gas ppm
Carbon Monoxide	nd					
Helium	na					
Hydrogen	nd					
Argon	1.19					
Oxygen	25.91					
Nitrogen	56.75					
Carbon Dioxide	16.15					
Methane	0.0048				0.002	0.001
Ethane	nd				< 0.0006	< 0.0008
Ethylene	nd					
Propane	nd				< 0.0006	< 0.001
Propylene	nd					
Iso-butane	nd					
N-butane	nd					
Iso-pentane	nd					
N-pentane	nd					
Hexanes +	nd					

Remarks:
Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.94
*Addition of helium negates the ability to detect native helium and may negate the ability to detect hydrogen.

nd = not detected. na = not analyzed. Isotopic composition of hydrogen is relative to VSMOW. Isotopic composition of carbon is relative to VPDB. Isotopic composition of oxygen is relative to VSMOW, except for carbon dioxide which is relative to VPDB. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.

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Isotech Gas Data

Job 42305
CoreTrac IS-65828

Isotech Lab No.	Sample Name	Sample Date	Sample Time	Field Name	Location	GC Date	He %	H_2 %	Ar %	O_2 %	CO_2 %	N_2 %	CO %	C_1 %	C_2 %	C_2H_4 %	C_3 %	C_3H_6 %	iC_4 %	nC_4 %	iC_5 %	nC_5 %	C_6+ %	Dissolved CH_4 cc/L	Dissolved CH_4 mg/L	Dissolved C_2H_6 cc/L	Dissolved C_2H_6 mg/L	Dissolved C_3H_8 cc/L	Dissolved C_3H_8 mg/L	Helium dilution factor *	Comments
727819	Kane Ranch Spring	7/18/2019	12:10	2019 Fruitland Outcrop Monitoring 005219002.004	Kane Ranch Spring	8/8/2019	na	nd	1.01	2.24	7.63	49.65	nd	**39.47**	nd	nd	nd	nd	nd	nd	nd	nd	nd	12	8.1	< 0.0009	< 0.001	< 0.0009	< 0.002	0.97	

Bold Red - both carbon and hydrogen isotopes likely.

nd = not detected, na = not analyzed

* Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace.

* Addition of helium negates the ability to detect native helium and may negate the ability to detect hydrogen.

Samples without He dilution factor had sufficient headspace to be extracted directly.

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Isotech Gas Data

Job 42586
CoreTrac IS-65828

nd = not detected, na = not analyzed
* Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace.
* Addition of helium negates the ability to detect native helium and may negate the ability to detect hydrogen.
Samples without He dilution factor had sufficient headspace to be extracted directly.

Isotech Lab No.	Sample Name	Sample Date	Sample Time	Field Name	Location	GC Date	He %	H_2 %	Ar %	O_2 %	CO_2 %	N_2 %	CO %	C_1 %	C_2 %	C_2H_4 %	C_3 %	C_3H_6 %	iC_4 %	nC_4 %	iC_5 %	nC_5 %	C_6+ %	Dissolved CH_4 cc/L	Dissolved CH_4 mg/L	Dissolved C_2H_6 cc/L	Dissolved C_2H_6 mg/L	Dissolved C_3H_8 cc/L	Dissolved C_3H_8 mg/L	Helium dilution factor *	Comments
731832	Darwin Rather #1	8/22/2019	13:20	2019 Fruitland Outcrop Monitoring	La Plata County, CO	9/9/2019	na	nd	1.19	25.91	16.15	56.75	nd	0.0048	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.002	0.001	< 0.0006	< 0.0008	< 0.0006	< 0.001	0.94	
731833	River Spring	8/22/2019	12:30	2019 Fruitland Outcrop Monitoring	La Plata County, CO	9/9/2019	na	nd	0.967	21.52	33.16	44.35	nd	0.0028	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.001	0.0008	< 0.0006	< 0.0008	< 0.0006	< 0.001	0.93	