

2018 FRUITLAND OUTCROP MONITORING REPORT

LA PLATA COUNTY, COLORADO



February 2019

Prepared for:

THE GROUP
La Plata County, Colorado

Prepared by:

LT ENVIRONMENTAL, INC.
848 East Second Avenue
Durango, Colorado 81301
970.385.1096



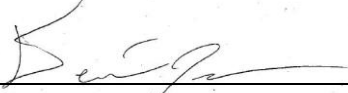
LT Environmental, Inc.
Advancing Opportunity



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LA PLATA COUNTY, COLORADO

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Prepared by:  February 5, 2019
Devin Hencmann
LTE Project Geologist
Date

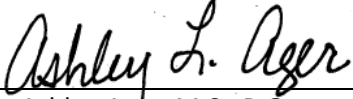
Reviewed by:  February 5, 2019
Ashley Ager, M.S., P.G.
LTE Senior Geologist
Date



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EXECUTIVE SUMMARY

This 2018 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. 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 a shut-in production well and two abandoned production wells.

The 2018 methane seep survey was conducted over 1,367 acres of the Kf outcrop from June 5 through July 18, 2018. 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 three additional shut-in/abandoned well locations.

In 2018, the methane flux was calculated at 26,101 MCFD, the largest methane flux measured since the survey began in 2007. Generally, methane flux rates across the project area decreased from 6,099 thousand cubic feet per day (MCFD) in 2007 to 2,900 MCFD in 2011. Starting in 2012, the methane flux began increasing, except for a small decline between 2012 and 2013 and again between 2016 and 2017. The upward trend resumed in 2018 and LTE measured a difference of 6,475 MCFD between 2017 to 2018, the largest yearly increase recorded.

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 of 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, which biased the results high in 2012. Additional flux points were added in the vicinity of the SFTC mitigation system during the subsequent years to reduce the bias high effect observed most significantly in 2012.

The seepage area from 2008 to 2018 decreased by 72 percent (%). The survey area increased nearly 3.5 times in acreage between 2007 and 2008; therefore, a seepage area decrease of 63% between 2009 and 2018, when the mapped areas are similar, is more appropriate. The seepage area decreased slightly from 2017 to 2018. It appears the methane flux rate along the Kf outcrop in La Plata County has concentrated to areas of preferential pathways that have smaller footprints than what was observed in the past.

The total estimated volumetric carbon dioxide flux for the mapped areas on the Kf outcrop in La Plata County in 2018 was 2,644 MCFD. Hydrogen sulfide flux values along the Kf outcrop continue to remain very 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.

Of the 12 natural springs originally identified along the Kf outcrop in La Plata County, only one natural spring was sampled in May 2018, 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 wells Federal 34-1/2-34-1 (API #05-067-07514) and Baird 1-25 (API #05-067-06568). 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 2018 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 2019. LTE will return to the sample locations visited during the 2018 field activities to observe changes in subsurface methane over time and space. Grid spacing will be revised based on the 2018 results.

Based on the results of the 2018 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 continues in 3-year intervals; therefore, the next natural springs sampling would start in 2020; and
- Remove the shut-in and abandoned production gas well sites from the detailed flux survey. This recommendation is based on nine years of data indicating that no methane flux has been measured at the three specified production wells.



1.0 INTRODUCTION

This 2018 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 north 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 those areas with the greatest potential for seeps 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 a number of previous and continuing studies, which 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. The probes are sampled by the BLM approximately six times per year;
- Installation of six flux chambers in the primary seep 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 seep 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 seep 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 2018;
- 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 2018;
- 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; and
- 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 2018 methane seep monitoring included the following tasks:

- Obtaining permission to access private properties;
- Conducting detailed seep mapping at seven key areas of interest;
- Monitoring accessible natural springs;
- Conducting detailed seep mapping at three shut-in/abandoned production well locations; and
- 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 2018 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; and
- 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 seep 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 scheduled again for 2020. The regional reconnaissance is conducted to supplement the detailed mapping of drainage transects. Reconnaissance includes low-altitude, high-resolution color-infrared (CIR) aerial imagery to map the vegetation along the outcrop and identify suspect areas for further field investigation. Additionally, CIR 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 seeps 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 seep areas, however anomalies from coal fires can be identified on the 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. A water discharge rate was measured using a graduated cylinder and stopwatch. 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 chain-of-custody 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 wells Federal 34-1/2-34-1 (API #05-067-07514) and Baird 1-25 (API #05-067-06568). 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 11, 2018, through August 10, 2018, for the seven main mapping areas. A total of 1,775 flux measurements were collected over 1,367 acres of land in the project area during the 2018 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 are 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 ($\text{mol}/\text{m}^2\cdot\text{day}$). 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 2018 monitoring event recorded methane flux above the reportable limit ($0.2 \text{ mol}/\text{m}^2\cdot\text{day}$) at 321 of the 1,775 (17.1 percent [%]) sample locations. The reportable methane flux values of each measured location area for the entire project area ranged from $0.2 \text{ mol}/\text{m}^2\cdot\text{day}$ to a maximum of $28,228 \text{ mol}/\text{m}^2\cdot\text{day}$. Methane flux results for each area of interest are discussed in Section 3.5.

3.2 OVERALL CARBON DIOXIDE RESULTS

The 2018 monitoring event detected carbon dioxide flux at 1,724 of the 1,775 (93.1%) sample locations. The carbon dioxide flux values of each measured location area for the entire project area ranged from $0.8 \text{ mol}/\text{m}^2\cdot\text{day}$ to a maximum $124 \text{ mol}/\text{m}^2\cdot\text{day}$. 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 1,775 sample locations. The flux meter is a highly sensitive field meter capable of detecting very low flux rates of hydrogen sulfide resulting in 779 points (42%) that were slightly above the unit's reliable detection limit of $0.0025 \text{ mol}/\text{m}^2\cdot\text{day}$. Given the flux meter's accuracy of plus or minus (\pm)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 2018 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 and 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:

$$\frac{\text{mol CH}_4}{\text{day}} \times \frac{16.04276 \text{ g CH}_4}{\text{mol CH}_4} \times \frac{0.0698 \text{ ft}^3 \text{ CH}_4}{\text{g CH}_4} = \frac{\text{ft}^3 \text{ CH}_4}{\text{day}}$$

For example,

$$1.0 \text{ mole/day CH}_4 = 1.12 \text{ CFD CH}_4$$

For carbon dioxide flux, the calculation is as follows:

$$\frac{\text{mol CO}_2}{\text{day}} \times \frac{44.01 \text{ g CO}_2}{\text{mol CO}_2} \times \frac{0.0253 \text{ ft}^3 \text{ CO}_2}{\text{g CO}_2} = \frac{\text{ft}^3 \text{ CO}_2}{\text{day}}$$

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 2018 was 26,101 MCFD. The total estimated volumetric carbon dioxide flux for the mapped areas on the Kf outcrop in La Plata County in 2018 was 2,644 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 11 and July 3, 2018. A total of 660 flux sample points was measured. The Basin Creek to Carbon Junction survey area has an estimated methane seepage area of approximately 108 acres with a flux rate of 7,090 MCFD. Carbon dioxide was mapped over approximately 463 acres with a total flux rate of 1,205 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 5 and July 6, 2018. A total of 133 flux sample points was measured. The Florida River mapping area has an estimated methane seepage area of approximately 21 acres with a total flux rate of 3,105 MCFD. Carbon dioxide was mapped over approximately 86 acres with a total flux rate of 91 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 6, 2018. A total of 20 flux sample points was measured. No methane seepage was observed at the SEC18T35NR8W seep area. Carbon dioxide was mapped over approximately five acres with a total flux rate of 1.0 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 10, 2018. A total of 16 flux sample points was measured. The SEC17T35NR8W seep area has an estimated methane seepage area of approximately two acres with a total flux rate of 24 MCFD. Carbon dioxide was mapped over approximately four acres with a total flux rate of 12.3 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 June 8 and July 11, 2018. A total of 94 flux sample points was measured. The Vosburg Pike mapping area has an estimated methane seepage area of approximately 14 acres with a total flux rate of 228 MCFD. Carbon dioxide was mapped over approximately 72 acres with a total flux rate of 93 MCFD.



3.5.6 SEC12T35NR8W

LTE detected methane in the subsurface within a suspect seep area from the 2011 regional reconnaissance. As a result, this area was included in the detailed flux survey program since 2012. The methane seep area, identified as SEC12T35NR8W, is located in Section 12, Township 35 North, Range 8 West, located between Vosburg Pike and SFTC. The landowners did not grant access to this seep 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 2018 methane flux survey was the fourth time flux measurements have been collected in the SEC12T35NR8W area. Measurements were collected on August 6 and August 10, 2018. A total of 141 flux sample points was measured. The SEC12T35NR8W mapping area has an estimated methane seepage area of approximately 22 acres with a total flux rate of 13,206 MCFD. Carbon dioxide was mapped over approximately 72 acres with a total flux rate of 383 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 June 13 and July 25, 2018. 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 seep area within SFTC, including the BP and Clarence and Ivy Walker properties, has been designated SFTC Central. The seep area located approximately 0.25 miles east of the creek has been labeled SFTC East.

The seep at SFTC is one of the most active methane seeps 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 10 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 seep 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 711 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 70 acres with a total flux rate of 2,448 MCFD. Carbon dioxide was mapped over approximately 427 acres with a total flux rate of 859 MCFD.

3.6 HISTORICAL FLUX DATA COMPARISON

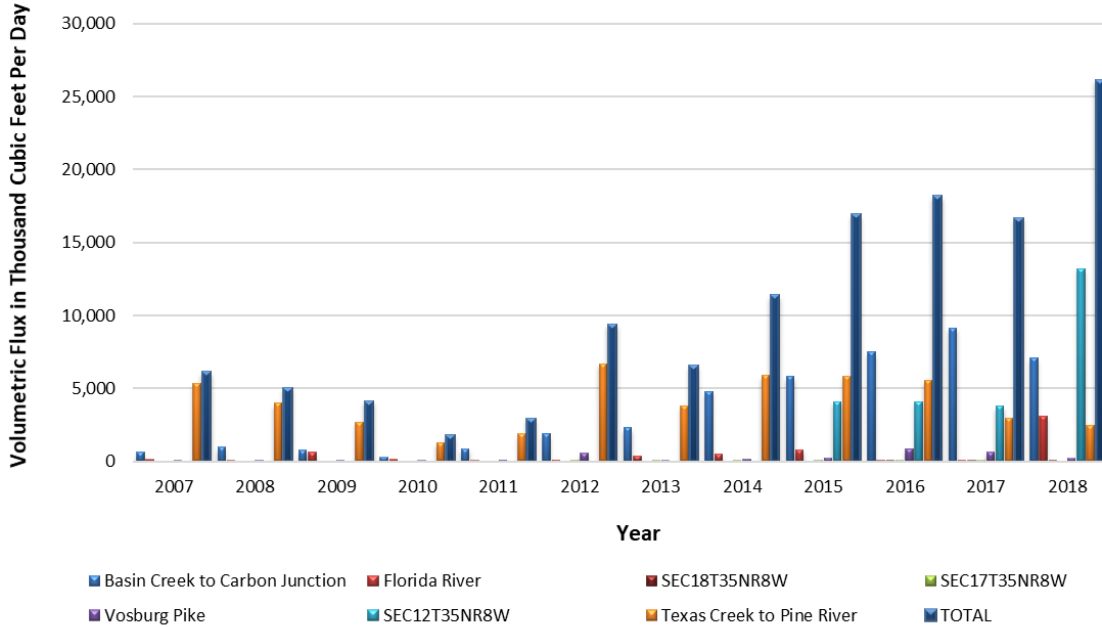
Elevated methane flux in 2012 prompted LTE to revise the grid spacing in the vicinity of flux points with significantly elevated methane flux to better bracket the seepage and report a more accurate methane flux. The revised grid spacing was utilized in the 2013 through the 2018 surveys. The increased 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 (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 of 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 biased the results high. The additional flux points in the vicinity of the mitigation system in 2013 through 2018 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 12 years along the entire Kf outcrop by area.



Reportable Volumetric Methane Flux



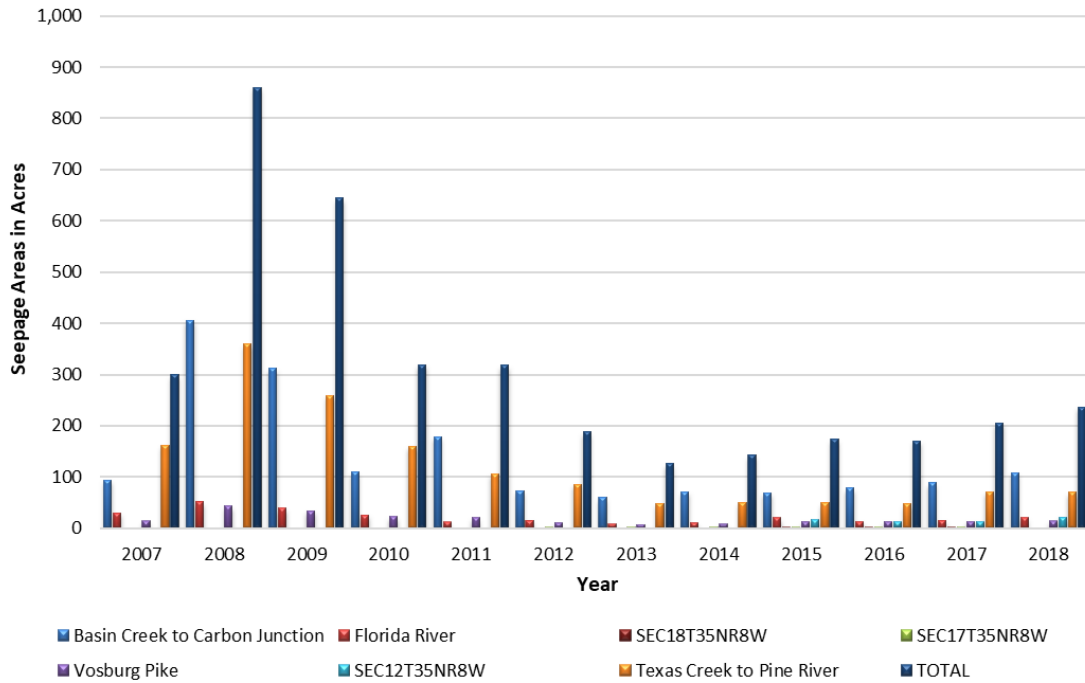
While the survey area increased by nearly 3.5 times in acreage between 2007 and 2008, the total methane flux decreased. Methane flux had a decreasing trend from 2007 to 2010 with a slight increase from 2010 to 2011. Total volumetric flux has seen a net increase since 2011 even with the addition of extra flux points to minimize/reduce interpolation exaggerations due to elevated methane flux values and/or areas where methane seepage extent could not be defined. The total volumetric flux in 2018 was 26,101 MCFD and was the highest methane flux measured with the flux meter. The addition of seep area SEC12T35NR8W in 2015 has contributed to total volumetric flux in 2015, 2016, 2017 and 2018. The largest increase from any one area in 2018 was observed in seep area SEC12T35NR8W.

The seepage area from 2008 to 2018 decreased by 72% (see the graph below). The survey area increased nearly 3.5 times in acreage between 2007 and 2008; therefore, a seepage area decrease of 63% between 2009 and 2018, when the mapped areas are similar, is a more appropriate description. Seepage area increased by 31 acres from 2017 to 2018. Even though there was an increase in seep area from 2017 to 2018, it still appears the methane flux rate along the Kf outcrop in La Plata County is concentrating to areas of preferential pathways that have smaller footprints than what was observed in the past.





Seepage Area



Figures 4, 5, 6, and 7 depict the methane seepage extents compared to the survey area from 2007 through 2018. Table 3 summarizes the changes in seepage area extent and the methane flux from 2007 through 2018. 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.





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, one was sampled during the 2018 sampling event. Property access was not granted for six natural springs and two natural springs were dry at the time of sampling. The locations of natural springs are depicted on Figure 8. A summary of natural springs sampled in 2018, along with past natural springs sampling status, is presented in Table 4.

5.1 FIELD OBSERVATIONS

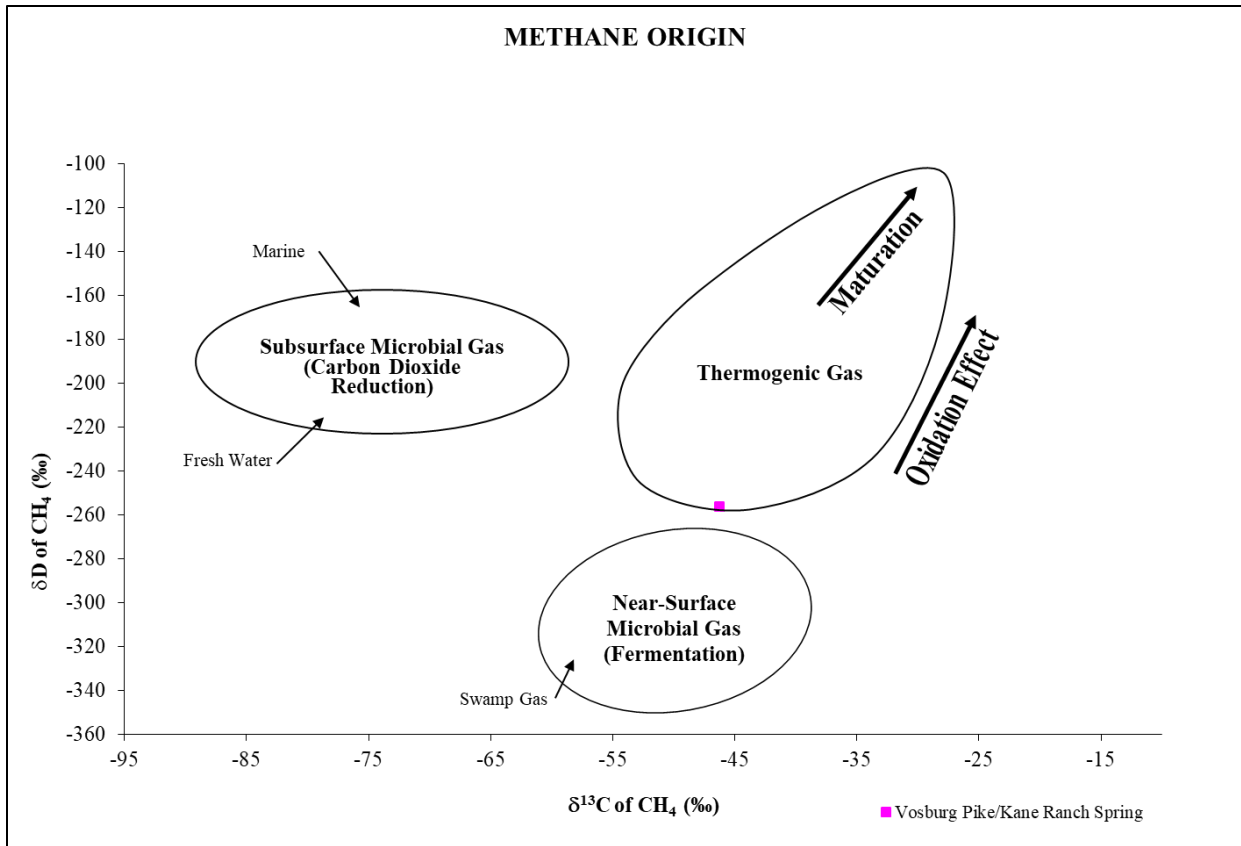
Discharge rates and field parameters were measured at one natural spring (Vosburg Pike/Kane Ranch Spring), which was sampled in August 2018. The 2018 field observations and measurements for the natural springs, including historical measurements, are summarized in Table 5.

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 2018 natural springs sampling, dissolved methane was detected in spring water sampled from the Vosburg Pike/Kane Ranch Spring, at a concentration of 15 mg/L. The 2018 natural spring sampling event was the first time the Vosburg Pike/Kane Ranch Spring has been sampled. Because concentrations of dissolved methane in the spring sample exceeded the COGCC 2 mg/L threshold necessary for further investigation, the sample was analyzed for stable isotopes.

Isotopic analysis was performed 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 waters are predominantly calcium-sulfate type water in 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 E.

5.3 SUBSURFACE SOIL GAS MEASUREMENTS

During the May 2018 natural springs sampling event, one subsurface soil gas measurement was collected at the sampled natural spring using traditional subsurface soil gas sampling techniques and the multi-gas meter. 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 three shut-in/abandoned production gas well sites: Pole Barn Monitor Well #1 (API #05-067-07969), Federal 34-1/2-34-1 (API #05-067-07514), and Baird 1-25 (API #05-067-06568). The three well sites were surveyed on July 12, 2018. 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, 25 measurements at Federal 34-1/2-34-1, and 25 measurements at Baird 1-25. Methane flux values were not detected above the reportable limit 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

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 located in the Basin Creek to Carbon Junction and the SFTC areas. After the 2012 survey, grid spacing around specific methane seeps 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, with 2016 being the highest methane flux measured since 2007. The year 2017 saw the first decrease in methane flux since 2013, with flux values decreasing from 18,165 MCFD measured in 2016 to 16,650 MCFD. 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.

The mitigation system at SFTC appears to have an affect on the methane flux results for that area. While the mitigation system does capture methane gas, they are not capable of capturing all of 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 2018 reduced the bias high affect observed in 2012.

The seepage area from 2008 to 2018 decreased by 72%. When comparing the 2018 monitoring event to the 2009 monitoring event, where the mappable area is similar, the seepage area decreased by approximately 63%. It appears the methane flux along the Kf outcrop in La Plata County has concentrated to areas of preferential pathways that have smaller footprints than what was observed in the past.

Data continue 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 2018 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 2019. LTE will return to the sample locations visited during the 2018 field activities to observe changes in subsurface methane over time and space. Grid spacing will be revised based on the 2018 results.



Based on the results of the 2018 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 on 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 continues 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; and
- Remove the shut-in/abandoned production gas well sites Pole Barn Monitor Well #1 (API #05-067-07969), Federal 34-1/2-34-1 (API #05-067-07514), and Baird 1-25 (API #05-067-06568) from the detailed flux survey. This recommendation is based on nine years of data indicating that no methane flux has been measured at the three shut-in/abandoned production wells.



8.0 REFERENCES

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----- 2003. *Fruitland Outcrop Monitoring Report*, La Plata County, Colorado. October 2003.

----- 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.

----- 2013. *2013 Fruitland Outcrop Monitoring Report*, La Plata County, Colorado. September 2013.

----- 2014. *2014 Fruitland Outcrop Monitoring Report*, La Plata County, Colorado. December 2014.

----- 2015. *2015 Fruitland Outcrop Monitoring Report*, La Plata County, Colorado. September 2015.

----- 2016. *2016 Fruitland Outcrop Monitoring Report*, La Plata County, Colorado. November 2016.

----- 2017. *2017 Fruitland Outcrop Monitoring Report*, La Plata County, Colorado. November 2017.



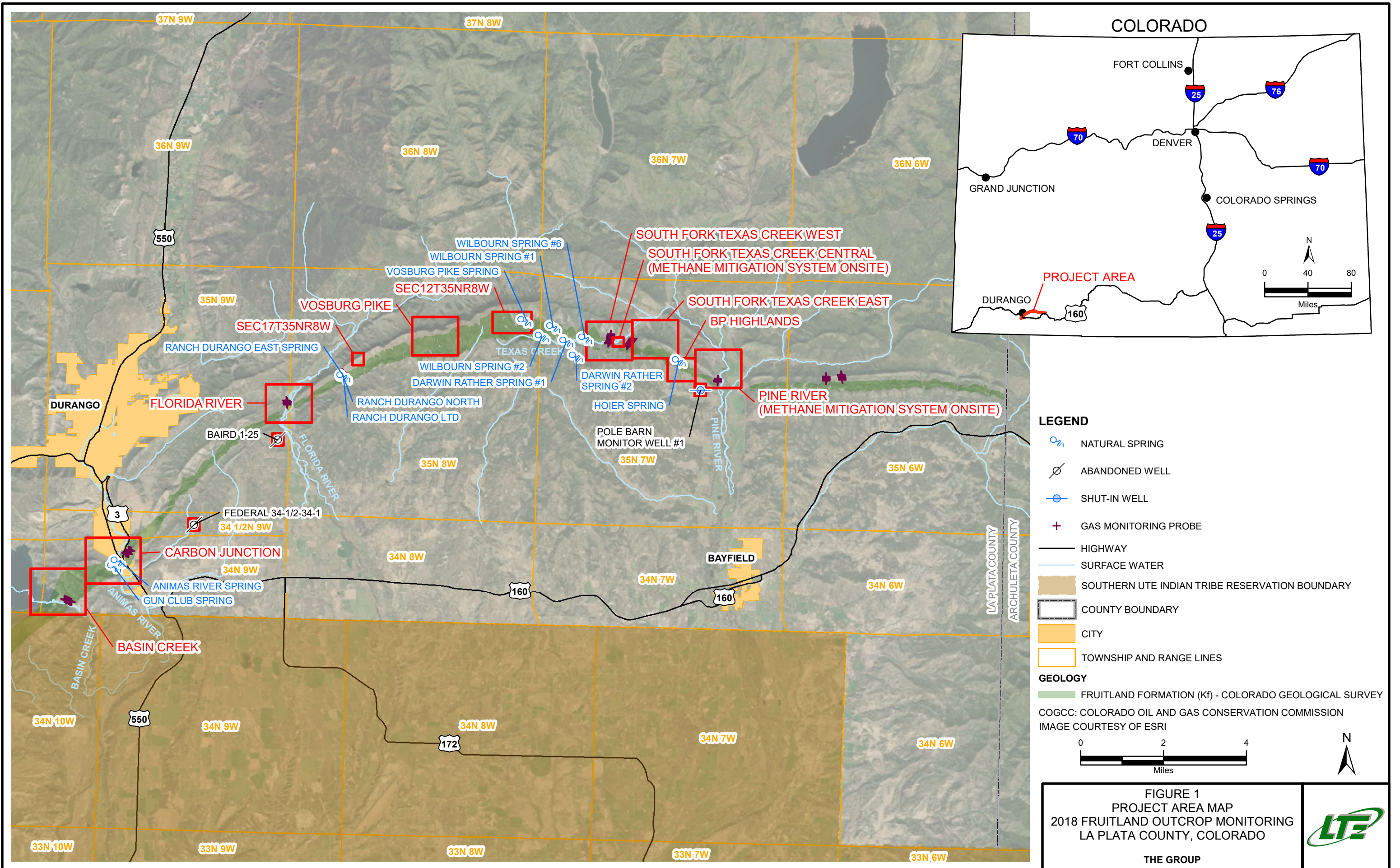
Sichel, H.S. 1966. The estimation of means and associated confidence limits for small samples from lognormal populations. Journal of the South African Institute of Mining and Metallurgy, Symposium on Mathematical Statistics and Computer Applications in Ore Valuation, 106-122.

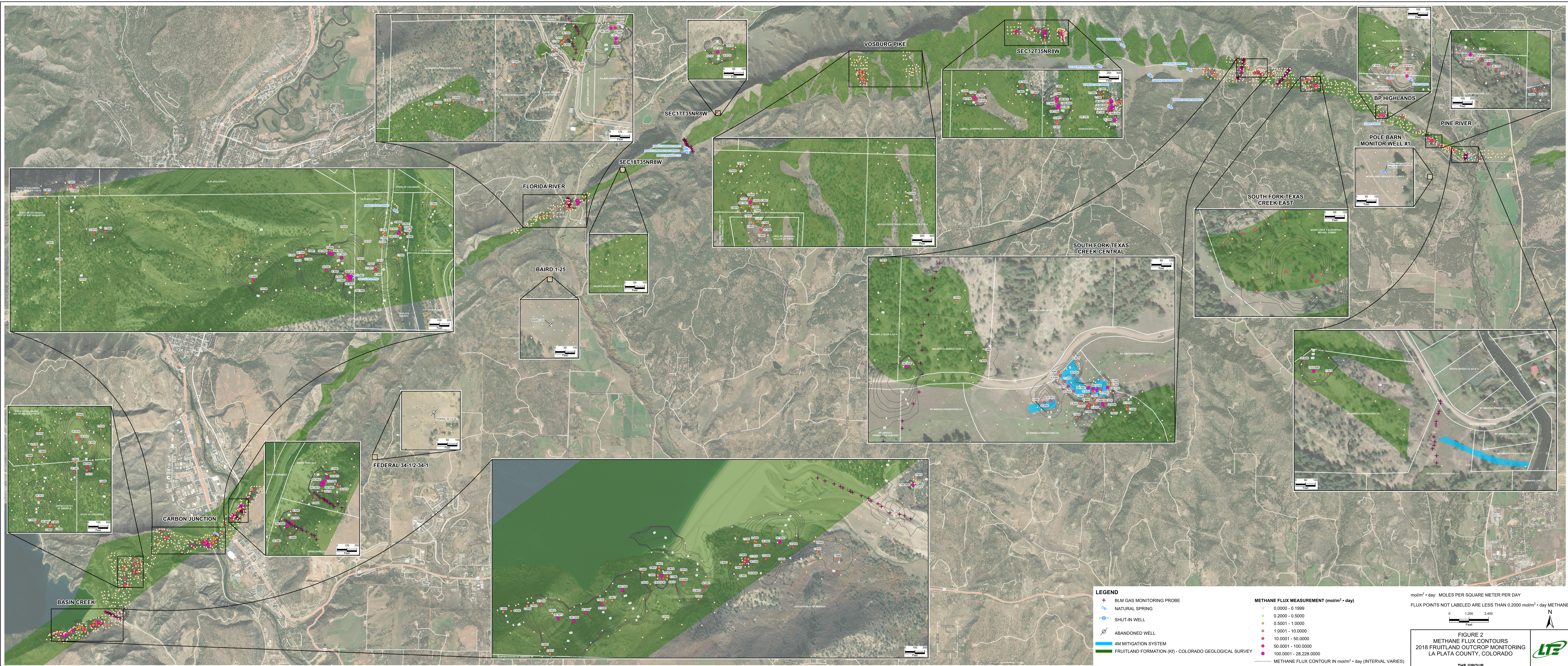
Sinclair, A.J. 1989. *A Fundamental Approach to Threshold Estimation in Exploration Geochemistry: Probability Plots Revisited.* A.W. Rose and P.M. Taufen (Editors), *Journal of Geochemical Exploration*, 41: 1-22.

West Systems. July 2007. *Portable Diffuse Flux Meter, Carbon Dioxide, Methane, & Hydrogen Sulfide, Release 7.00 Handbook.*



FIGURES





LEGEND

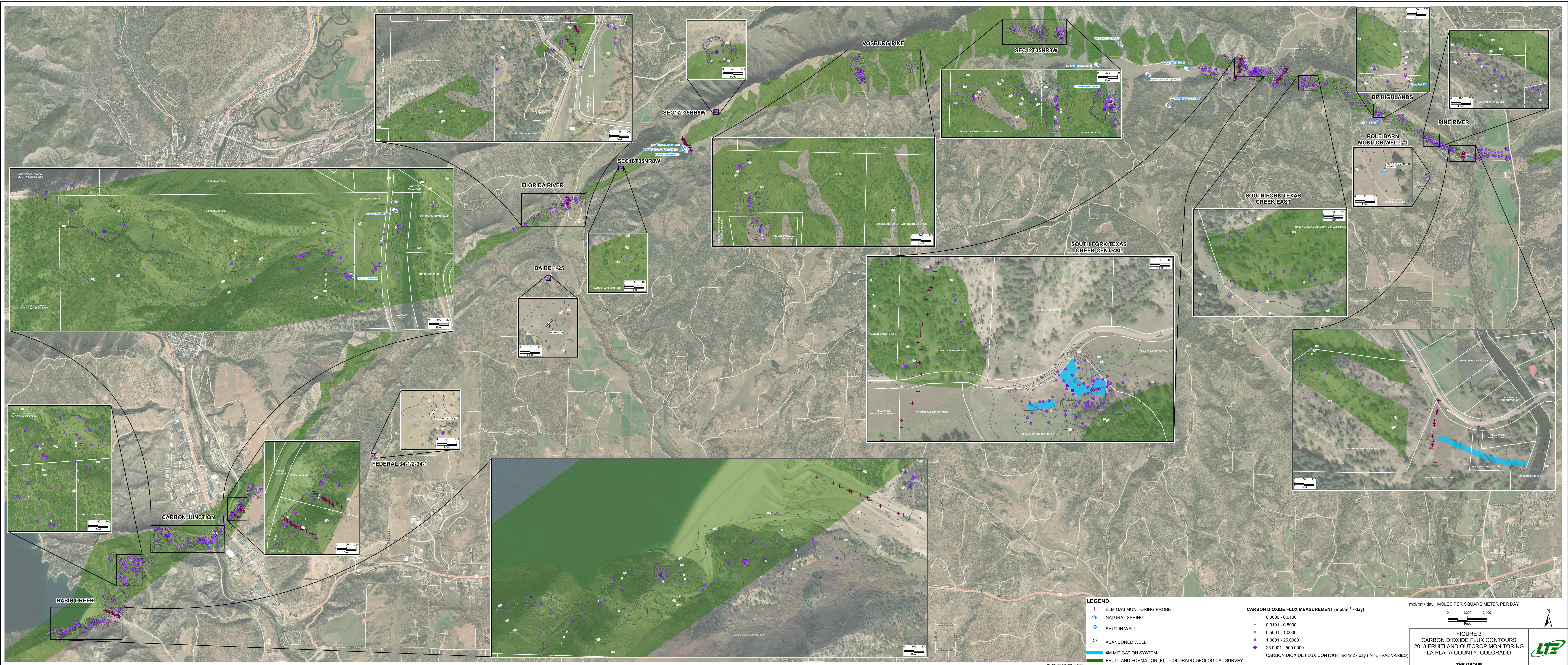
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- NATURAL SPRING
- SHUT-IN WELL
- ABANDONED WELL
- 4M MITIGATION SYSTEM
- FRUITLAND FORMATION (Kf) - COLORADO GEOLOGICAL SURVEY

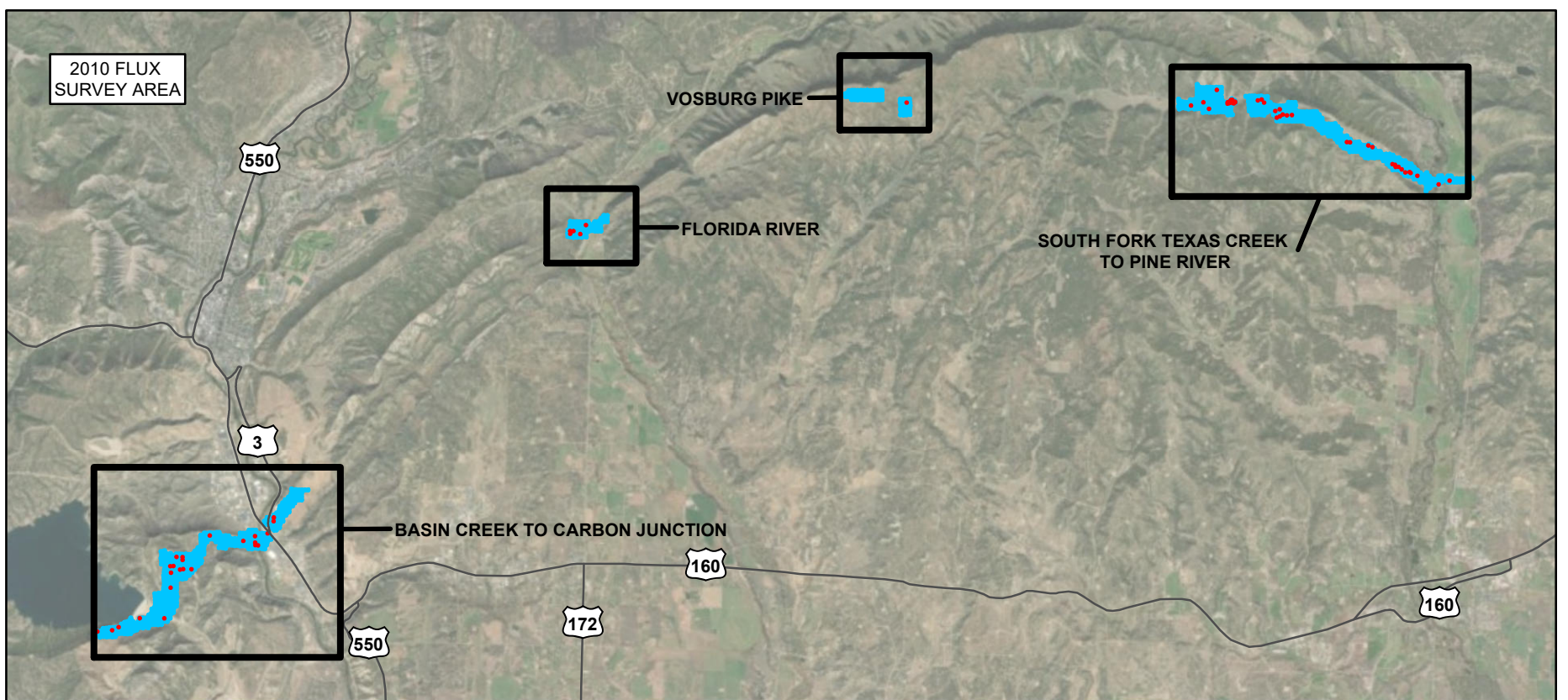
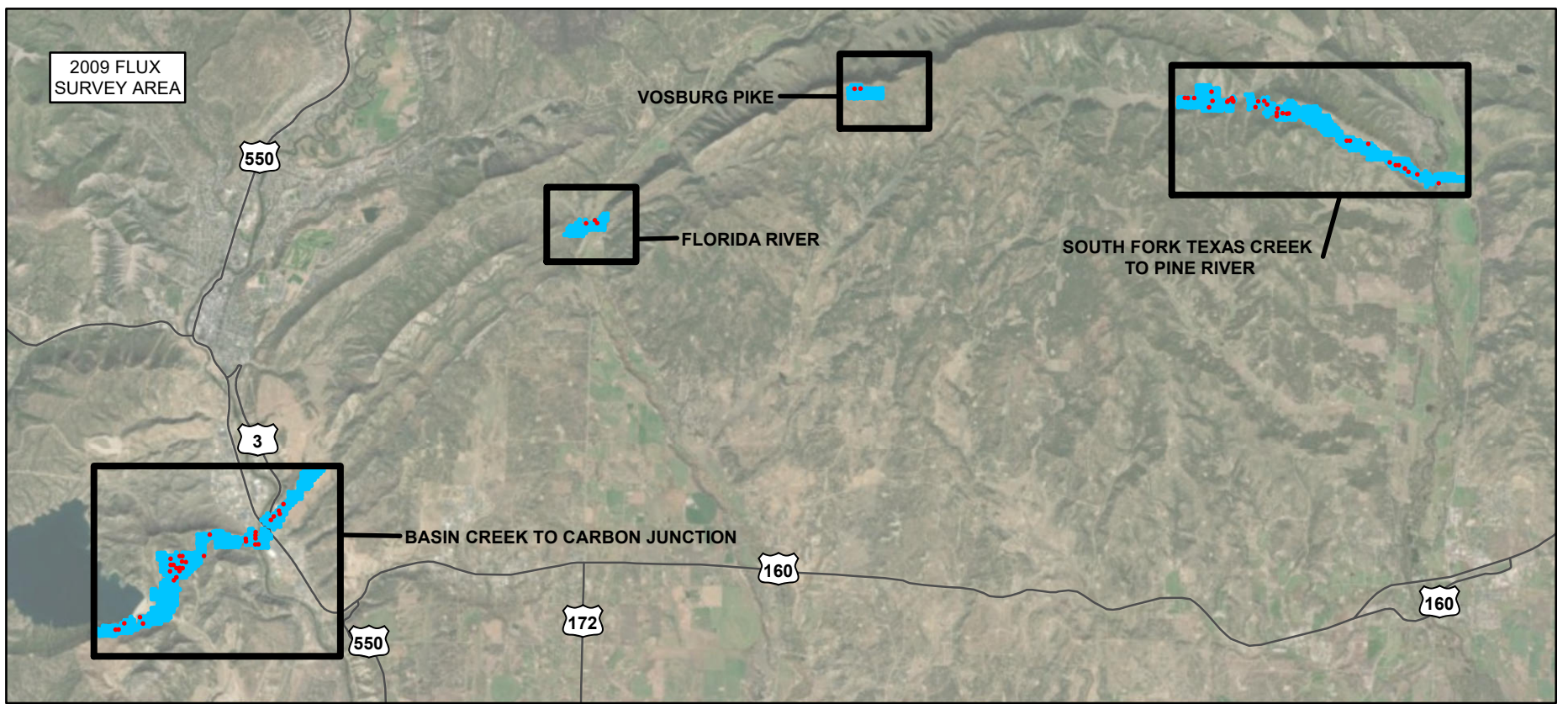
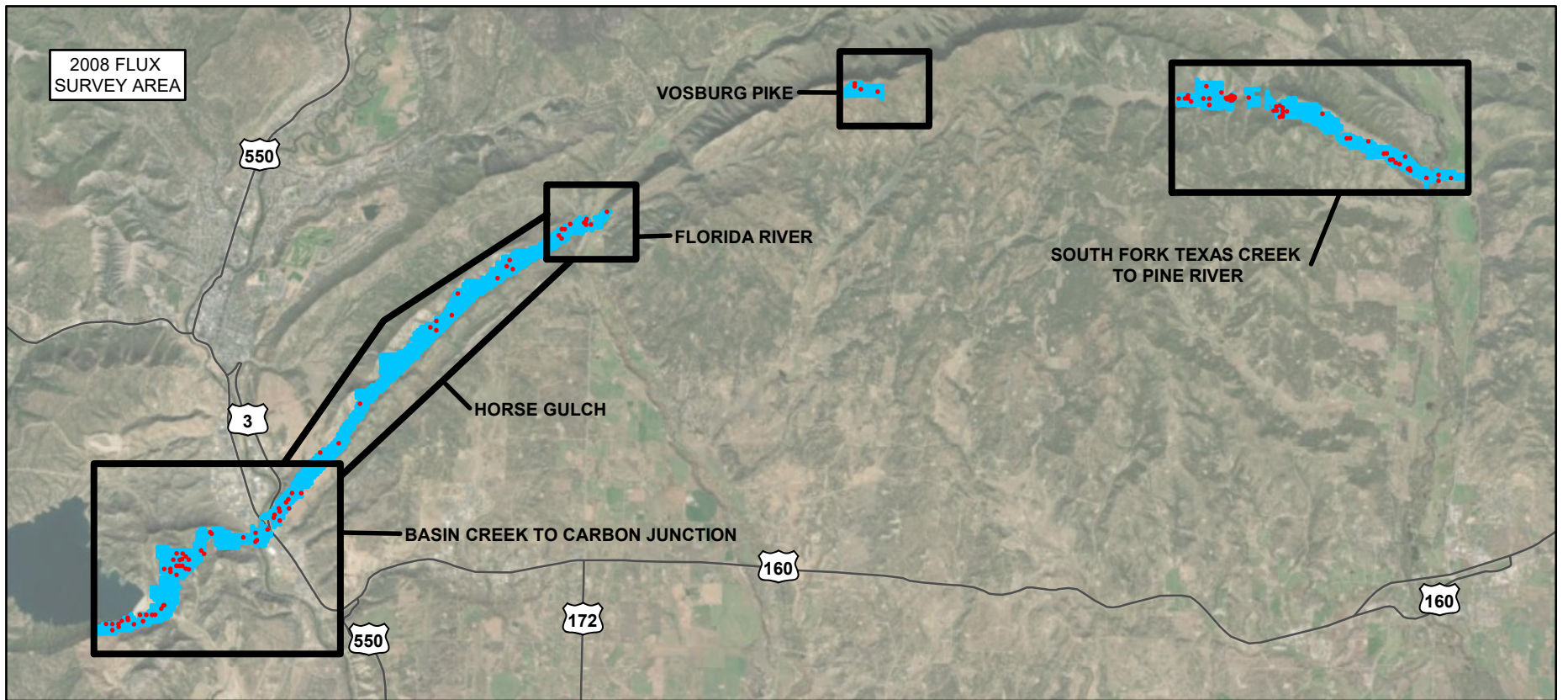
- METHANE FLUX MEASUREMENT (mol/m² · day)**
- 0.0000 - 0.1999
 - 0.2000 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 28,228.0000

mol/m² · day: MOLES PER SQUARE METER PER DAY
 FLUX POINTS NOT LABELED ARE LESS THAN 0.2000 mol/m² · day METHANE

FIGURE 2
 METHANE FLUX CONTOURS
 2018 FRUITLAND OUTCROP MONITORING
 LA PLATA COUNTY, COLORADO
 THE GROUP







LEGEND

- HIGHWAY
- ▭ AREA OF INTEREST
- METHANE DETECTED GREATER THAN 0.2000 mol/m² · day
- mol/m² · 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 METHANE FLUX COMPARISON

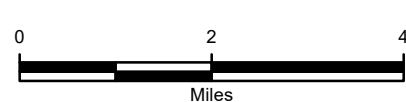
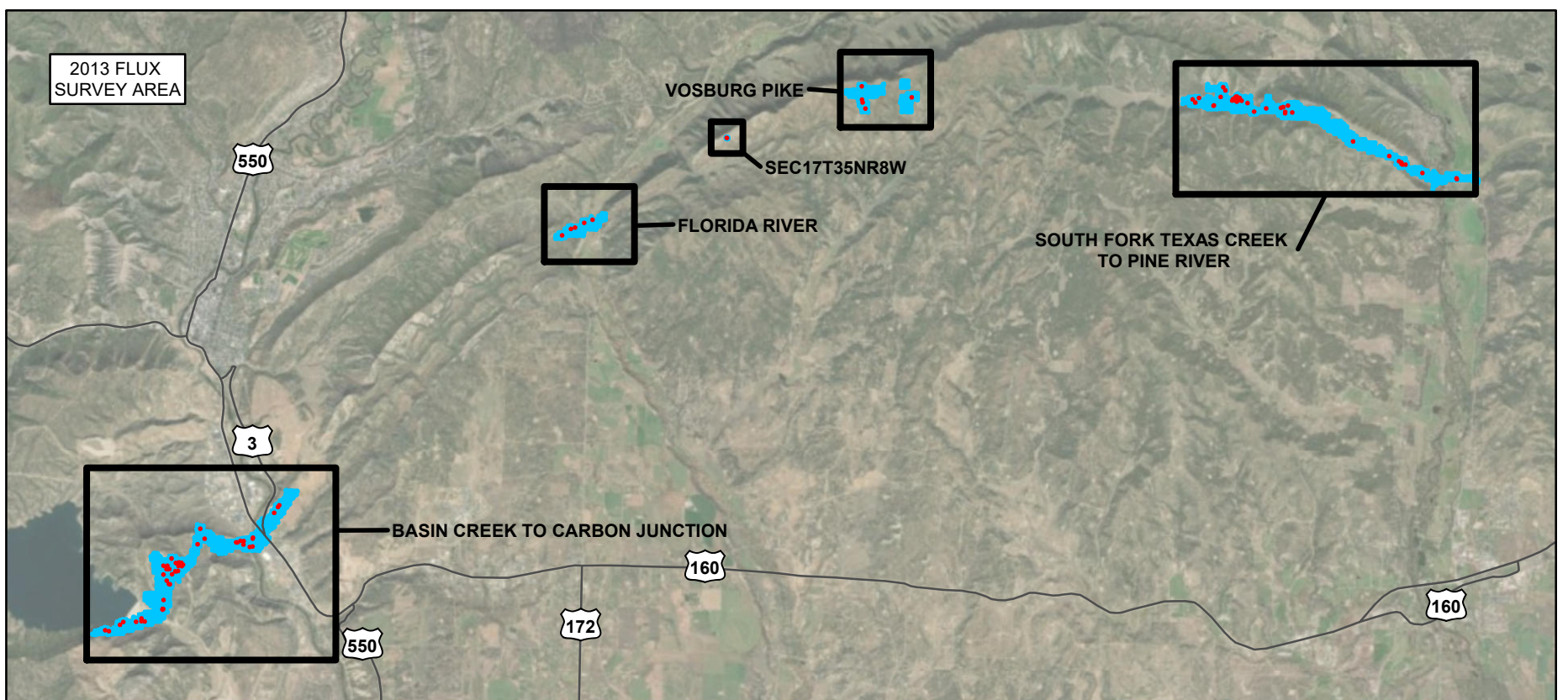
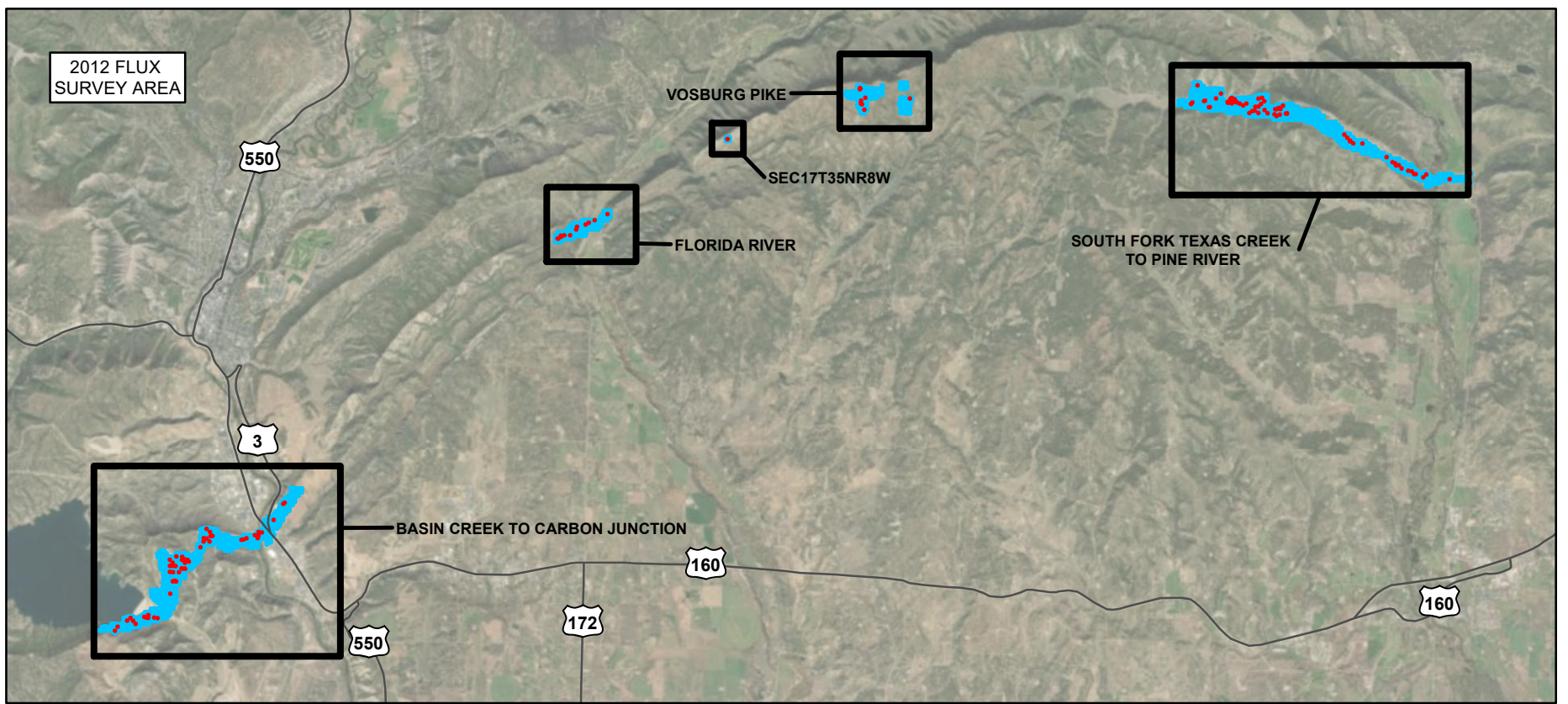
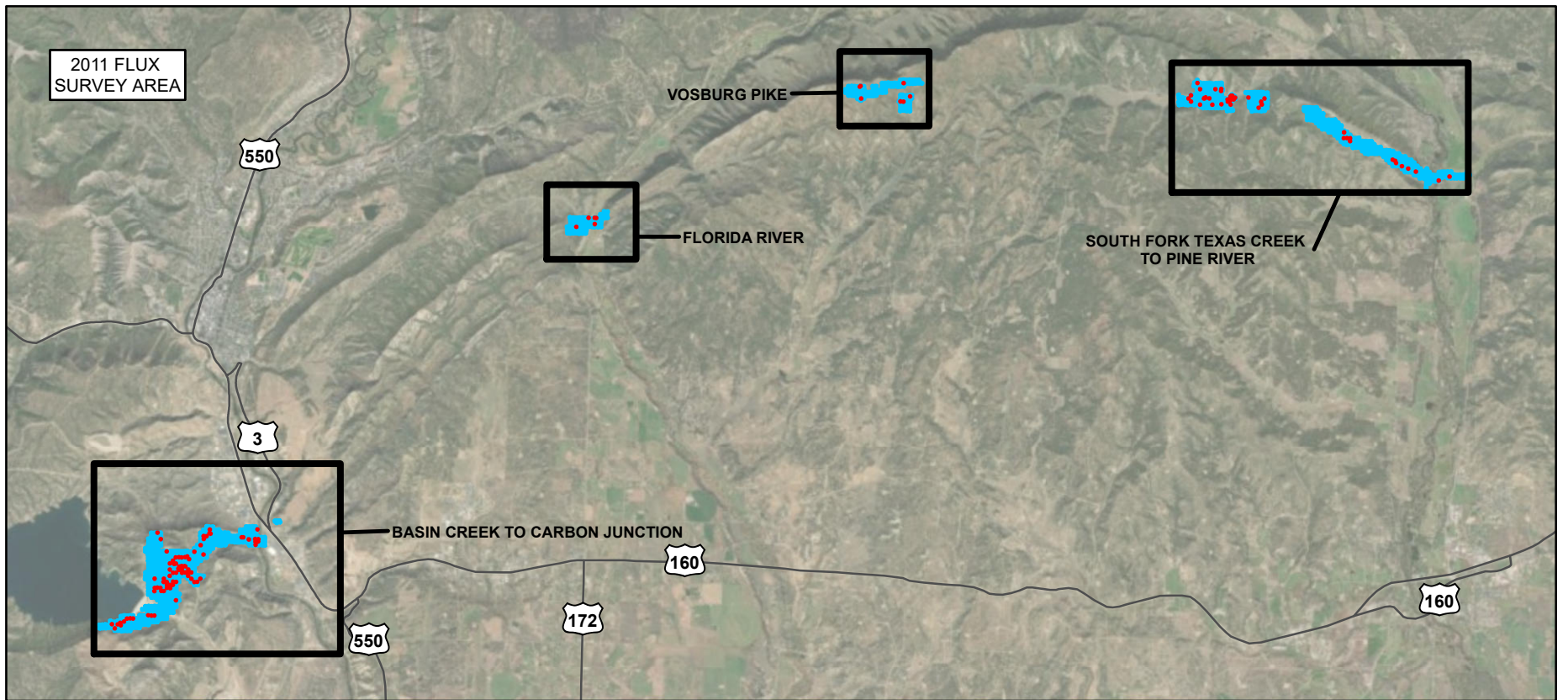


FIGURE 4
 METHANE FLUX COMPARISON 2008-2010
 2018 FRUITLAND OUTCROP MONITORING
 LA PLATA COUNTY, COLORADO



THE GROUP



LEGEND

- HIGHWAY
- ▭ AREA OF INTEREST
- METHANE DETECTED GREATER THAN 0.2000 mol/m² · day
- mol/m² · day: MOLES PER SQUARE METER PER DAY
- ▭ SURVEY BOUNDARY

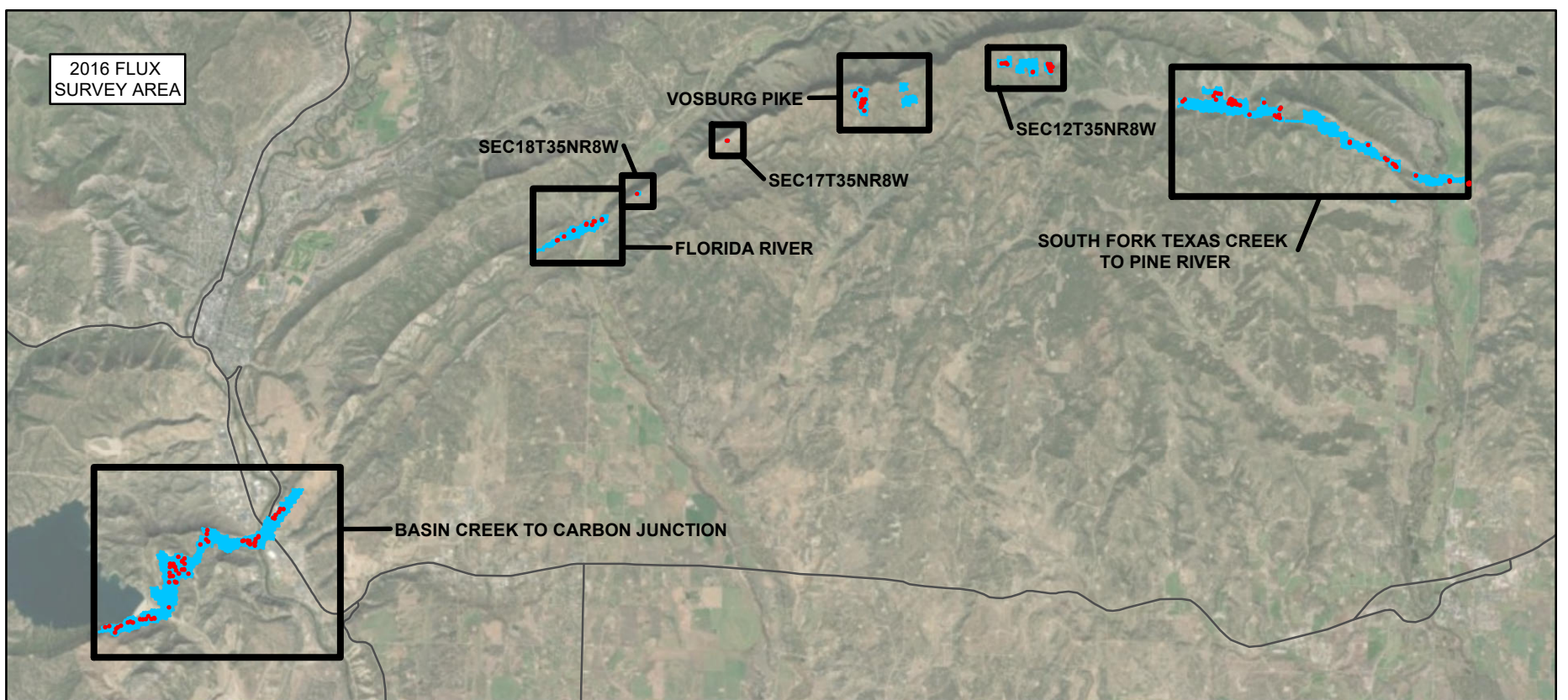
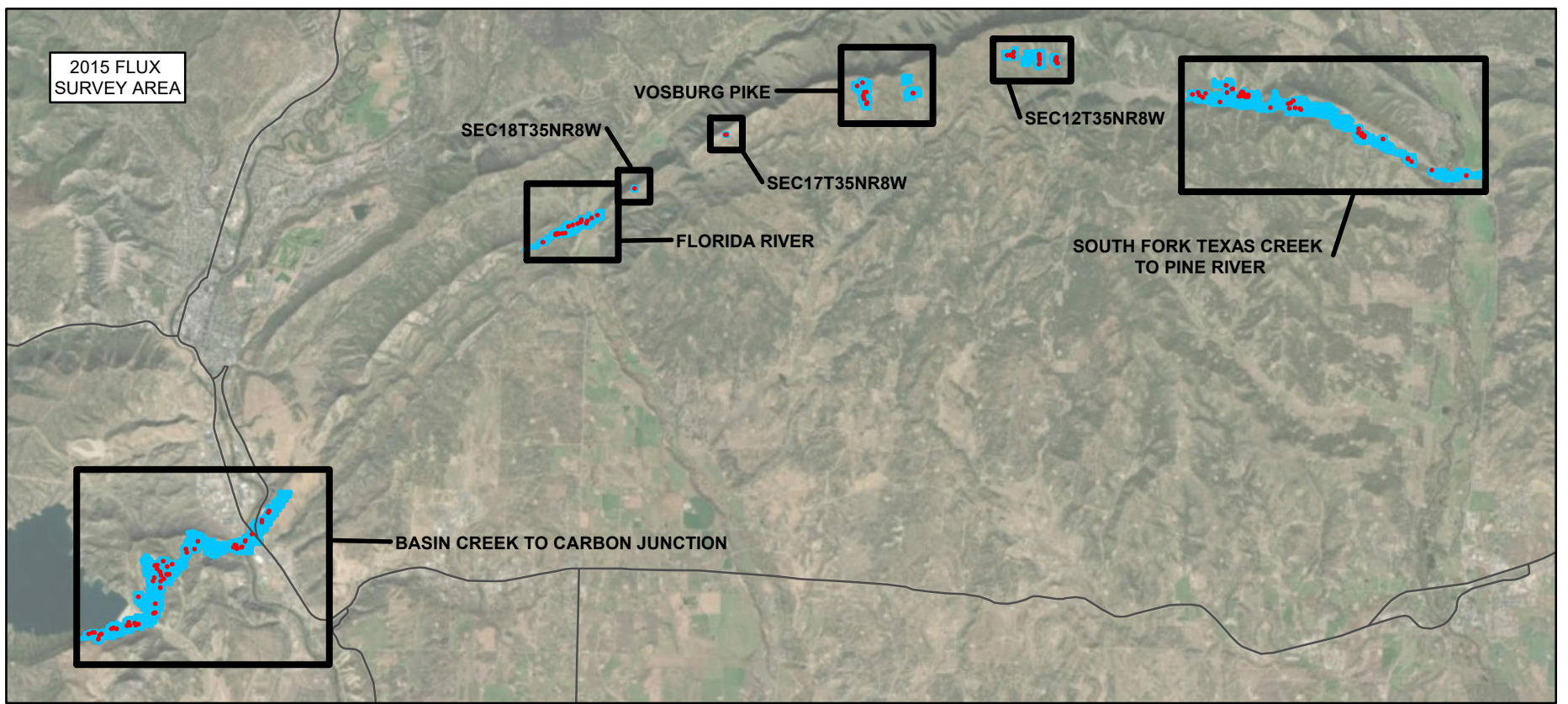
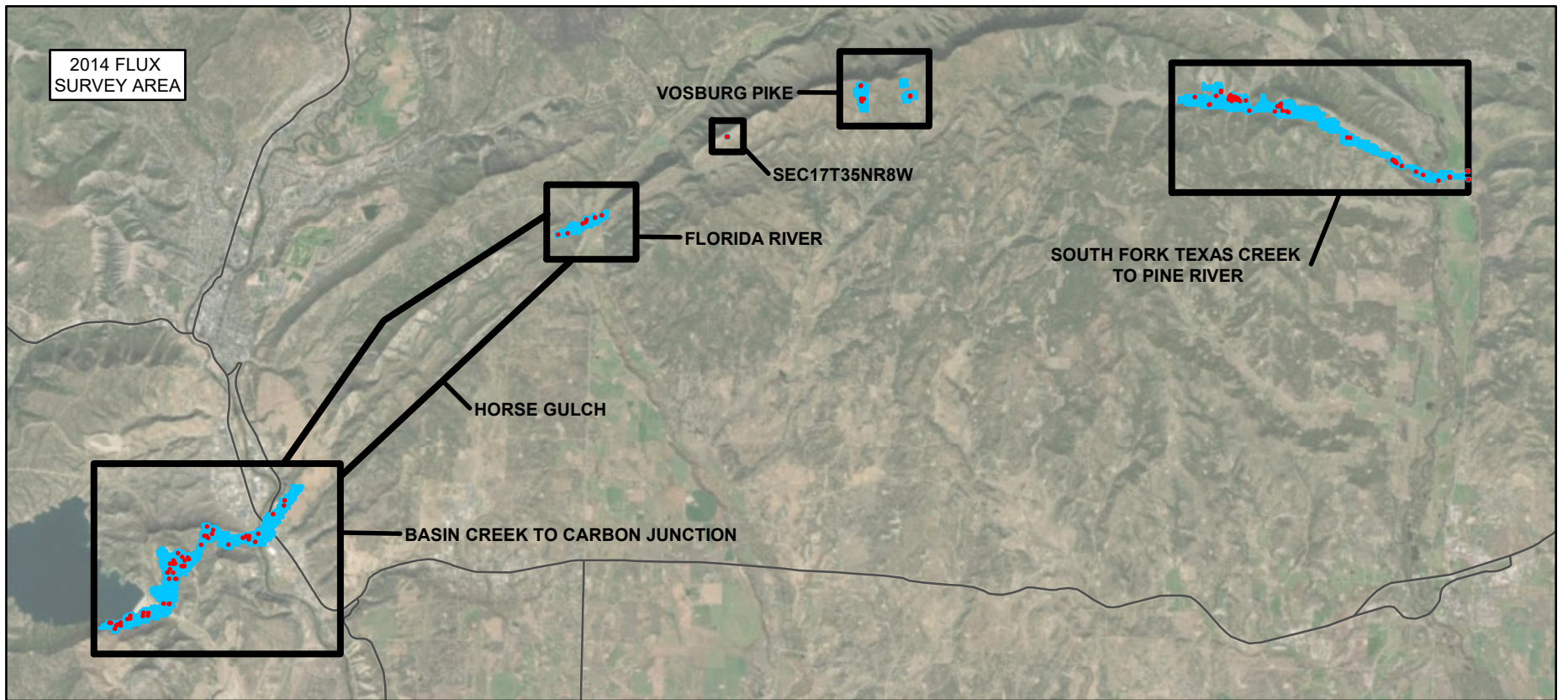
SEE FIGURE 6 FOR 2014, 2015 & 2016 METHANE FLUX COMPARISON
 SEE FIGURE 7 FOR 2017 & 2018 METHANE FLUX COMPARISON



FIGURE 5
 METHANE FLUX COMPARISON 2011-2013
 2018 FRUITLAND OUTCROP MONITORING
 LA PLATA COUNTY, COLORADO



THE GROUP



LEGEND

- HIGHWAY
- ▭ AREA OF INTEREST
- METHANE DETECTED GREATER THAN $0.2000 \text{ mol/m}^2 \cdot \text{day}$
- mol/m² · day: MOLES PER SQUARE METER PER DAY
- ▭ SURVEY BOUNDARY

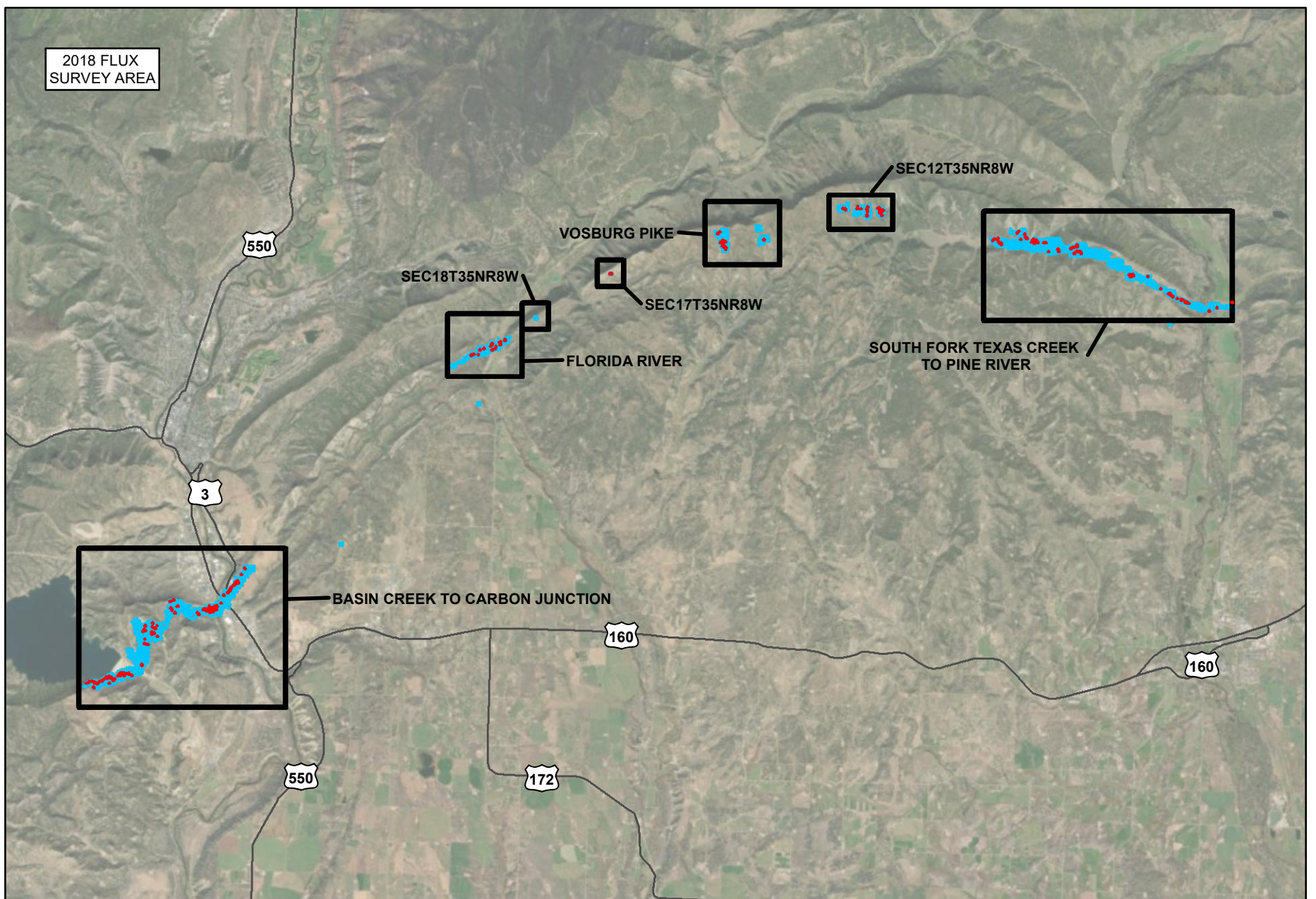
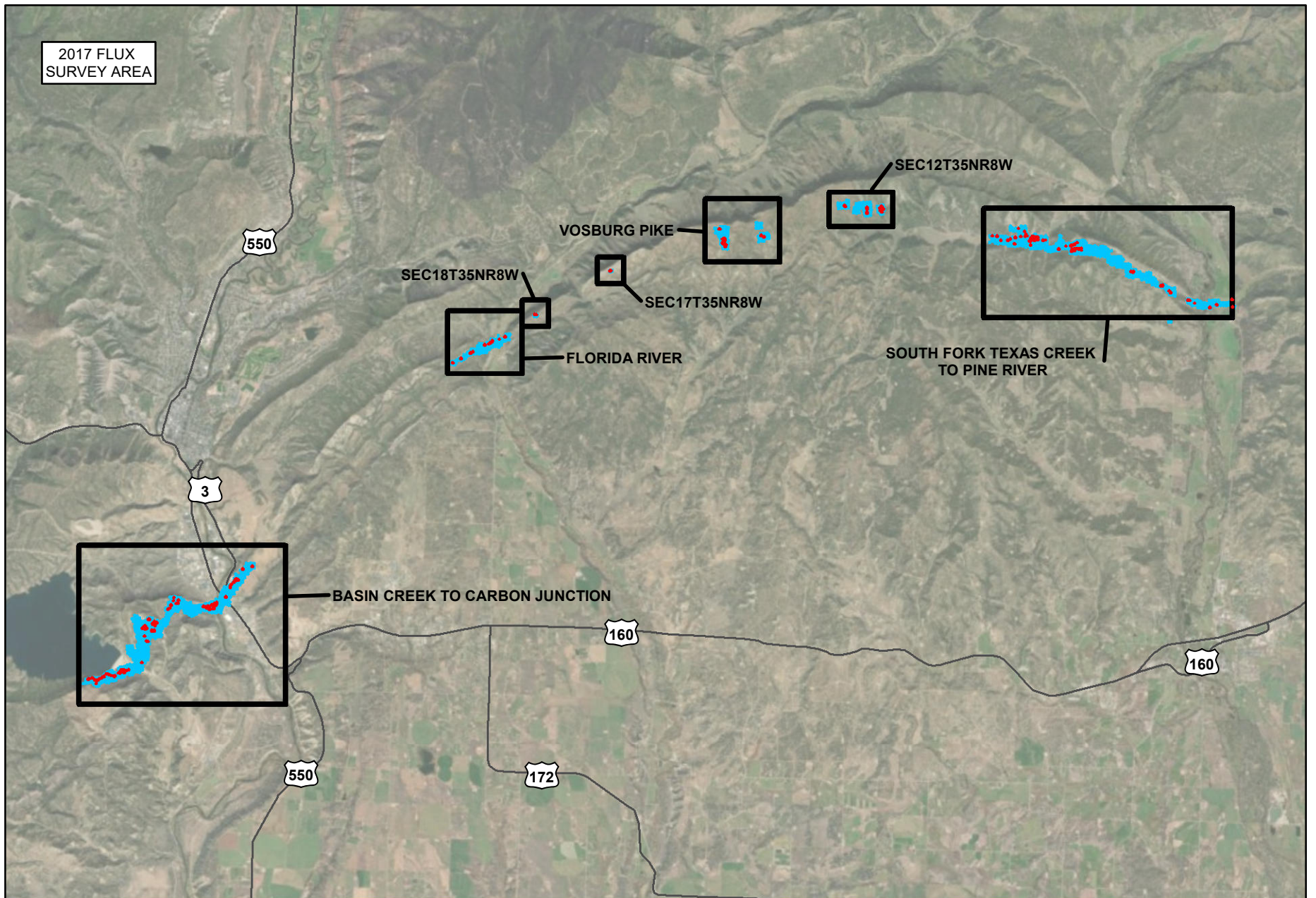
SEE FIGURE 7 FOR 2017 & 2018 METHANE FLUX COMPARISON



FIGURE 6
METHANE FLUX COMPARISON 2014-2016
2018 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP





LEGEND

- HIGHWAY
- ▭ 2015_AOI
- METHANE DETECTED GREATER THAN $0.2000 \text{ mol/m}^2 \cdot \text{day}$
- mol/m² · day: MOLES PER SQUARE METER PER DAY
- SURVEY BOUNDARY

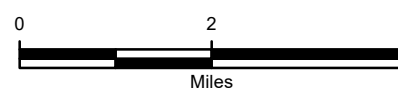
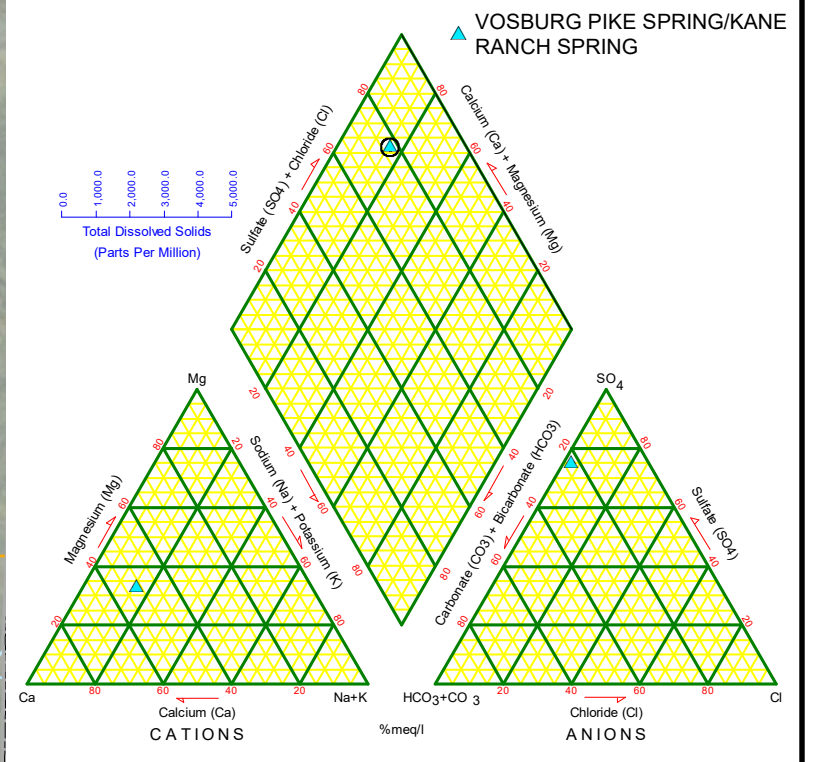
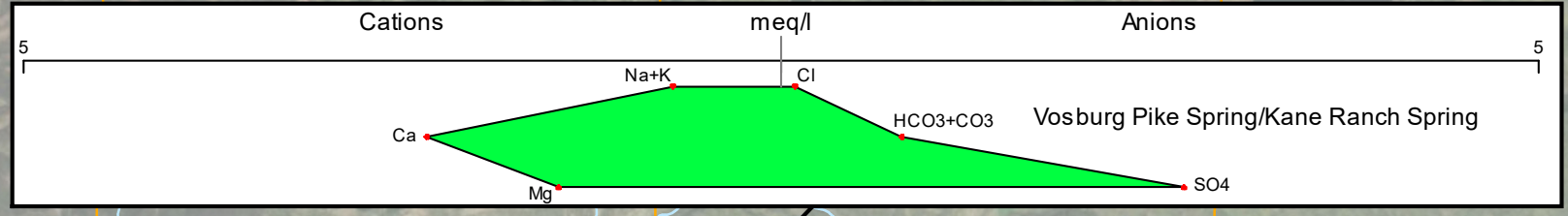
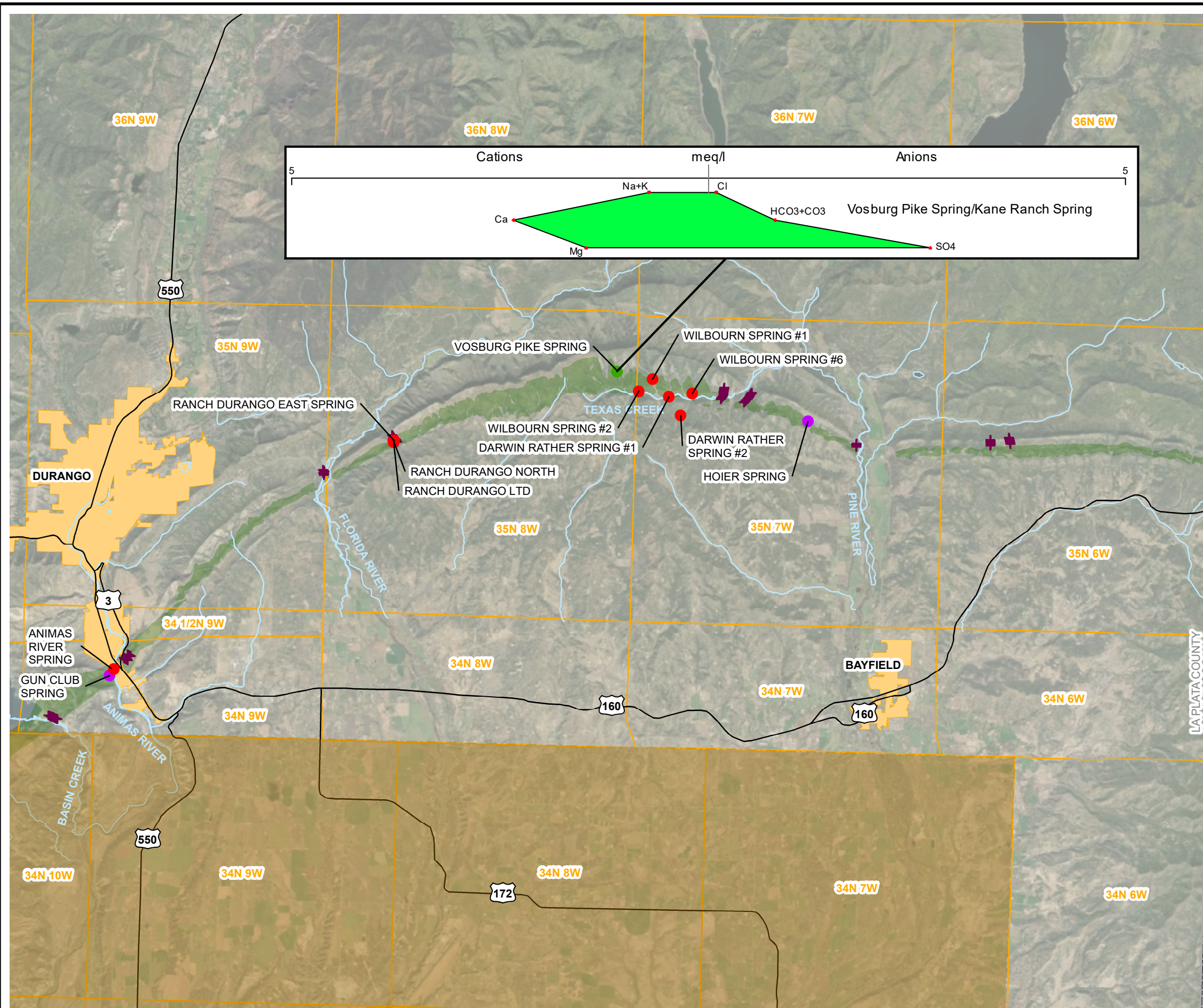


FIGURE 7
METHANE FLUX COMPARISON 2017-2018
2018 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP





LEGEND

- + GAS MONITORING PROBE
- NATURAL SPRING**
- SAMPLED
- DRY
- 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



FIGURE 8
 NATURAL SPRINGS
 2018 FRUITLAND OUTCROP MONITORING
 LA PLATA COUNTY, COLORADO
 THE GROUP



**TABLE 1
PROPERTY ACCESS STATUS
2018 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, 567515200183, 567509300144, 567508400169, 567508400263, 567508400193, 567508400192	BP AMERICA PRODUCTION CO	DURANGO, CO 81301
567508300307	BRYSON, PHILIP JAMES & LUCY T	BAYFIELD, CO 81122
566525100135	BUSBY, JOEL JR	DURANGO, CO 81301
566904200021, 566905100808, 566905400803	CITY OF DURANGO	DURANGO, CO 81301
567508200326	CLARK, BRETT	PATASKALA, OH 43062
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
567514300014	FOSSEL, JON S	BAYFIELD, CO 81122
567514201003	FRIEDMAN, ALAN R & GAY W & TRUSTEES	TUCSON, AZ 85705
567514201018	GREEN, BRYAN F & JULIE A	RIO RANCHO, NM 87144
567112100261	KANE RANCH LLC	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
SENT A CARD BACK BUT WAS NOT ON THIS LIST	LUDWIG, DERYLIN LIVING TRUST	BAYFIELD, CO 81122
567118300800, 566524100806	MACHO FAMILY TRUST	DURANGO, CO 81301
567509300188, 567509400231	MASSY, DALE P & GORETSKI, MICHAEL & MARI	WATERFORD, MI 48327
567118400806, 567119200229, 567119200898, 566524400831	PALMER RANCH LIMITED II & PALMER RANCH LTD	DURANGO, CO 81301
567508300308	POTTER, RODNEY L	BAYFIELD, CO 81122
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
567508100165, 567508100113	WALKER, CLARENCE GLEN & IVY K	BAYFIELD, CO 81122
567514201019	YOUNG, JENNIFER SUE TRUST	DURANGO, CO 81301
567119200267	BEACH, MARSHALL A, MARY P, ZACHARIAH A & TRUSTEES	SANTE FE, NM 87508
567111300824	MCCULLOUGH, SHERI LYNN TRUSTEE & ETALS	TEMPE, AZ 85283
567119200197	TURNER, STEPHAN & TURNER-ANDEREGG, REGINA	DURANGO, CO 81301
567514201009	BRAME, JOEL L	WILDWOOD, MO 63005
567514201017	GOMER, WILLIAM E	SPRING CREEK, NV 89815
567509200167	KURTZ, H RICHARD & ADELE MARIE	BAYFIELD, CO 81122
566524200126	ORSINI, THOMAS T & MARY M	DURANGO, CO 81301
567507400270	RATHER, DARWIN R & MAXINE J	BASALT, CO 81621
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
2018 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	660	142	4,817	642	80
Florida River	133	23	1,102	129	2.5
SEC18T35NR8W	20	0	0.0	20	0.8
SEC17T35NR8W	16	4	122	15	52.7
Vosburg Pike	94	17	268	92	3.9
SEC12T35NR8W	141	42	28,228	141	124
Texas Creek to Pine River	711	93	1,016	685	29
Total	1,775	321	-----	1,724	-----

Notes:

Flux measurements are in units of moles per square meter per day (mol/m² · day)

CH₄ - Methane

CO₂ - Carbon dioxide

¹ - Based on methane flux values that are greater than the flux meter reportable limit of 0.2 mol/m² · day

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



**TABLE 3
HISTORICAL METHANE AND CARBON DIOXIDE FLUX COMPARISON
2018 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO**

THE GROUP

Mapping Area	Methane																								
	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018		
	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	179	2,310	72	4,794	69	5,827	79	7,498	89	9,146	108	7,090
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	
SEC18T35NR8W	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1	2	0.24	2	0.17	0	0	
SEC17T35NR8W	---	---	---	---	---	---	---	---	---	---	2	49	2	9	2	0.43	2	75	2	9	2	5	2	24	
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	
SEC12T35NR8W	---	---	---	---	---	---	---	---	---	---	---	---	NM	NM	NM	NM	17	4,114	13	4,090	13	3,779	22	13,206	
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	
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	

Mapping Area	Carbon Dioxide																							
	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018	
	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)
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
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
SEC18T35NR8W	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4	1	5	2.0	5	1.5	5	1.0	
SEC17T35NR8W	---	---	---	---	---	---	---	---	---	---	5	15	3	4	4	3	4	25	4	3.6	4	3.2	4	12.3
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
SEC12T35NR8W	---	---	---	---	---	---	---	---	---	---	---	---	NM	NM	NM	NM	70	306	73	199	72	241	72	383
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
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

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
2018 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
	September	May	October	June	November	May	October	June	May	May	May/June	May	May/June	May/June	May	August
Animas River Spring	--	--	--	--	--	--	--	--	--	--	--	--	Sampled	Sampled	Sampled	No Access
Darwin Rather Spring #1	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	No Access
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
Hoier Spring	Not Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Dry	Not Sampled	Not Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Dry
Gun Club Spring	--	--	--	--	--	--	--	--	--	--	Sampled	Sampled	Sampled	No Flow	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
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
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
Vosburg Pike Spring/ Kane Ranch Spring	--	--	--	--	--	--	--	--	--	--	--	--	No Flow	No Flow	No Flow	Sampled

Note:

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



TABLE 5
NATURAL SPRINGS FIELD MEASUREMENTS
2018 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	Stagnant Water - Not Measured							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							0
	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	0.40	0	
	5/5/2017	12.66	7.41	401.7	263.24	205.40	5.99	0	
	7/16/2018	No Access - Not measured							
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							0
	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							0
	5/15/2014	No Access - Not Measured							
	5/20/2015	Dry - Not Measured							0
	5/20/2016	Stagnant Water - Not Measured							0
	5/5/2017	Stagnant Water - Not Measured							0
	7/16/2018	No Access - 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							0
	6/29/2010	Spring pipe cut during monitoring well installation; not enough water to sample							--
	5/4/2011	Dry - Not Measured							0
	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	0.20	0	
	5/5/2017	14.12	7.75	526.1	344.64	150.2	0.125	0	
6/1/2018	Dry - Not Measured							0	



TABLE 5
NATURAL SPRINGS FIELD MEASUREMENTS
2018 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)	
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							
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							
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							
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								
Vosburg Pike Spring/ Kane Ranch Spring	7/17/2015	No Flow - Not Measured						0	
	5/20/2016	No Flow - Not Measured						0	
	5/5/2017	No Flow - Not Measured						0	
	8/7/2018	20.47	8.78	0.35	227.69	125.2	<0.25	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 dissolved solids
µS/cm - micro Siemens per centimeter
< - less than
> - greater than



TABLE 6
NATURAL SPRINGS DISSOLVED METHANE CONCENTRATIONS
2018 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
	September	May	October	June	October	May	October	June	May	May	May/June	May/June	May/June	May/June	May	August
Animas River Spring	--	--	--	--	--	--	--	--	--	--	--	--	<0.02	<0.02	0.0042	--
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	--
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

Notes:

mg/L - milligrams per liter

< - less than the stated laboratory method detection limit

-- denotes not sampled



TABLE 7
NATURAL SPRINGS MAJOR IONS CONCENTRATIONS
2018 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

Natural Spring	Sample Date	Cations				Anions				TDS (mg/L)
		Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Carbonate (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	
Animas River Spring	6/22/2015	289	231	265	5.4	<10.0	510	1620	67	2830
	6/6/2016	249	182	230	<10.0	<10.0	507	1250	66.2	2720
	5/5/2017	273	205	262	5.2	<10.0	525	1270	61.1	2800
	6/19/2018	Not Sampled				Not Sampled				Not Sampled
Darwin Rather Spring #1	6/23/2008	65	21.4	9.0	1.3	<10	212	39	<10	230
	10/15/2008	56.7	18.6	7.5	0.9	<10	208	34	11	230
	5/12/2009	54.7	17.6	7.8	1.1	<10	200	33	10	205
	6/29/2010	59.9	19.6	8.4	1.3	<10	204	44	<10	245
	5/4/2011	52.4	17.3	7.4	2.1	<10	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	
Darwin Rather Spring #2	6/23/2008	39.3	6.1	13.6	<0.5	<10	138	19	<10	130
	10/15/2008	33.7	6.6	10.9	0.5	<10	133	16	<10	170
	5/12/2009	35.3	6.7	11.3	0.8	<10	123	22	<10	150
	6/29/2010	37.9	6.5	11.8	1.3	<10	119	12	<10	140
	5/4/2011	35.4	6.1	13	0.7	<10	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	
Hoier Spring	6/23/2008	25.8	12.4	13.9	1.3	<10	144	<10	<10	105
	10/15/2008	23.7	11.8	13.7	1.4	<10	138	<10	<10	135
	5/14/2009	24.0	11.2	11.9	1.2	<10	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	



TABLE 7
NATURAL SPRINGS MAJOR IONS CONCENTRATIONS
2018 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

Natural Spring	Sample Date	Cations				Anions				TDS (mg/L)
		Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Carbonate (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	
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
Rancho Durango LTD Spring	6/23/2008	79.5	20.1	16.7	0.9	<10	252	69	<10	305
	10/15/2008	69.7	17.5	14.9	1.0	<10	252	71	<10	300
	5/12/2009	79.8	19.1	16.4	1.2	<10	258	80	<10	305
	6/29/2010	80.3	18.7	16.9	1.4	<10	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
Rancho Durango North Spring	6/23/2008	108	31.9	14.5	2.0	<10	332	122	<10	460
	10/15/2008	77.1	22.0	13.7	1.1	<10	276	79	<10	355
	5/12/2009	80.1	19.3	15.5	1.1	<10	262	71	<10	335
	6/29/2010	83.4	19.8	16.8	1.1	<10	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
Rancho Durango East Spring	10/15/2008	60.5	12.9	14.8	0.7	<10	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
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	49	128	3.36	510

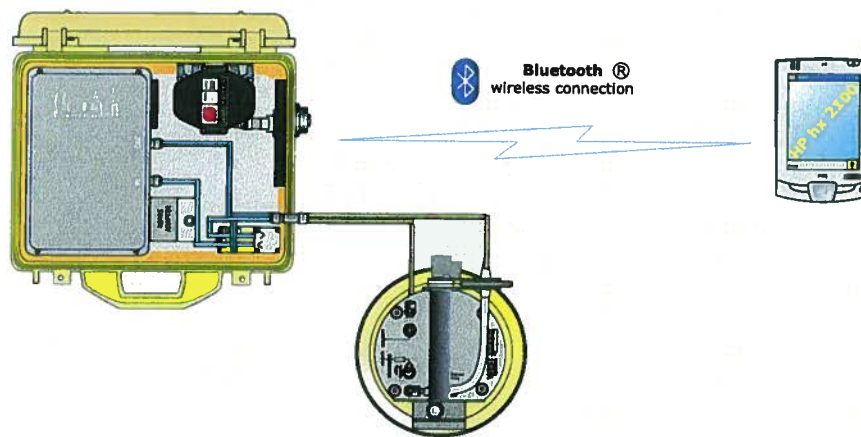
Notes:
mg/L - milligrams per liter
TDS - total dissolved solids
< - less than laboratory reporting limit
NA - not analyzed due to acidity (510 mg/L)





WEST Systems portable soil flux meter for Carbon dioxide, Methane and Hydrogen sulfide fluxes

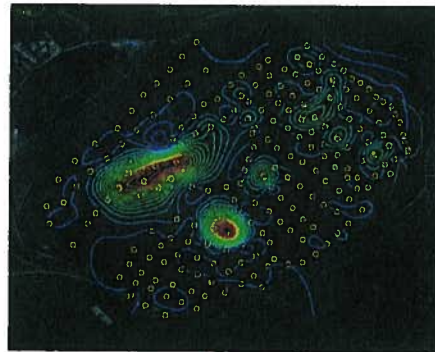
The WEST Systems Fluxmeter is a portable instrument for the measurement of soil gas diffuse degassing phenomena that uses the accumulation chamber method.



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 lines



a group of researchers during a flux mapping fieldwork, using the WS-LI820 flux meter
Courtesy of United States Geological Survey

West Systems Srl
Via Molise 3 - Zona Ind. Gello - 56025 Pontedera (PI) Italy
Phone +39 0587 294216 www.westsystems.com
Fax +39 0587 296068 g.virgili@westsystems.com

WEST
Systems

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").

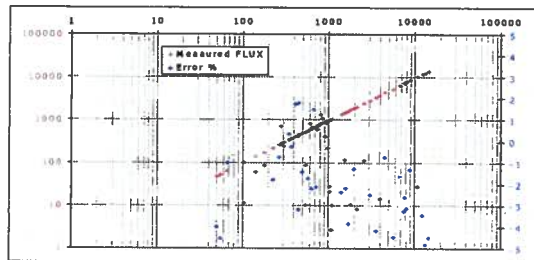
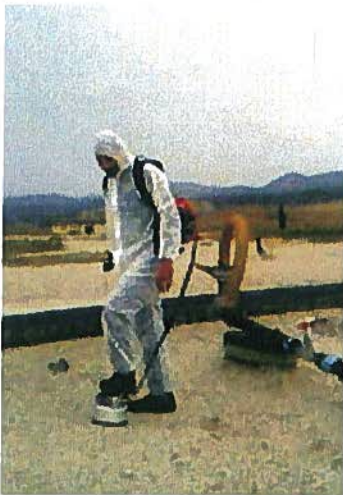
Software The instrument is supplied with a custom software, FluxManager, which allows recording and visualization of the increase in concentration of the target gas in the accumulation chamber, and then the flux calculations. The obtained measurements can be saved on the palmtop computer and then transferred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

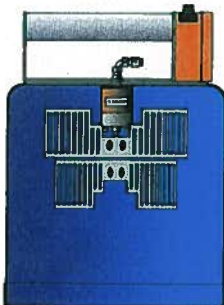
The standard flux meter configuration is supplied with a single gas detector, normally the carbon dioxide detector. The fluxmeter can host two sensors by the way special releases, based on specific customer request, it can be supplied with a maximum of 3 sensors.

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 landfill.

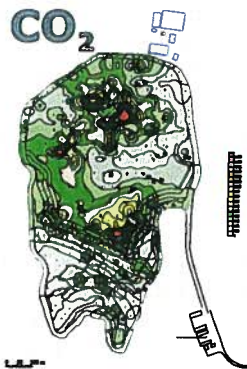


Accumulation Chamber Type B

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



CO₂ - LI820

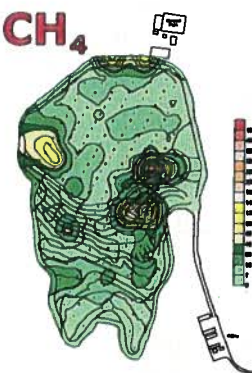
LI820 based Carbon dioxide fluxmeter

The CO₂ 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

CO₂ 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 CO₂

WS-DRAGER: CO₂ 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/m² 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%)

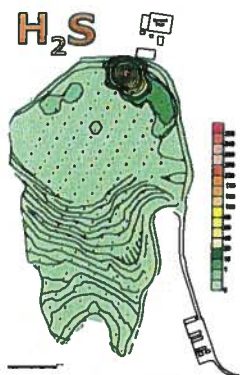
Methane fluxmeter

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/m²/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)



H₂S - WEST

Hydrogen sulfide

The hydrogen sulphide detector is an 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%.

H₂S Flux measurement range: from 0.0025 to 0.5 moles/m² 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.

West Systems Srl
Via Molise 3 - Zona Ind. Gello - 56025 Pontedera (PI) Italy
Phone +39 0587 294216 www.westsystems.com
Fax +39 0587 296068 g.virgili@westsystems.com

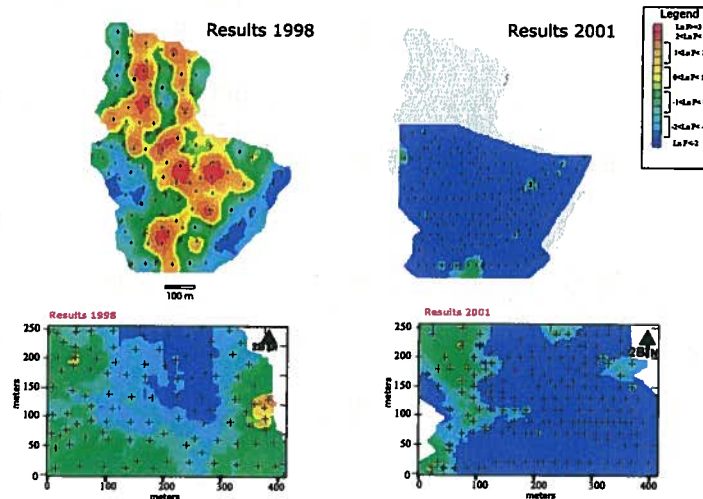
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Application on a landfill: mapping the biogas non controlled emissions.

The figure shows the compare between the results of the measurement regime of a landfill 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 interventions 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.

West Systems Srl

Via Molise 3 - Zona Ind. Gello - 56025 Pontedera (PI) Italy
Phone +39 0587 294216 www.westsystems.com (or .it)
Fax +39 0587 296068 g.virgili@westsystems.com (or .it)

Japan

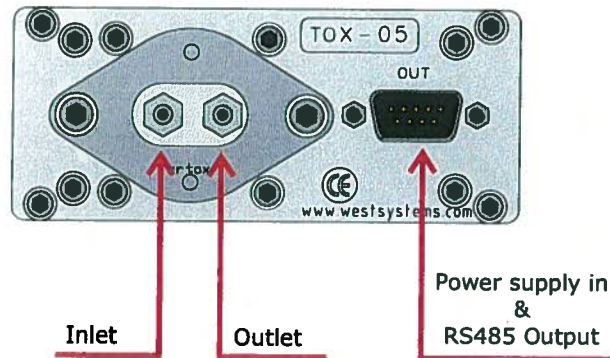
SHOKO CO., LTD.

7-13,1-chome, Shibakoen, Minato-ku Tokyo
105-8432, Japan
TEL : 03-3459-5106 FAX : 03-3459-5081
WEB SITE <http://www.shoko.co.jp>
e-mail s-isotope@shoko.co.jp

West Systems Srl
Via Molise 3 - Zona Ind. Gello - 56025 Pontedera (PI) Italy
Phone +39 0587 294216 www.westsystems.com
Fax +39 0587 296068 g.virgili@westsystems.com

WEST
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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

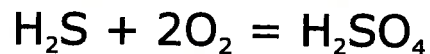
Legenda

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:



the gas sample specific consumption is very low:

$$2.5 \times 10^{-10} \text{ moles/Sec per ppm}$$

Due to this consumption the H2S flux is methodically underestimated 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%

Repeatability 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/m² 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/m²/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

CO₂ 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

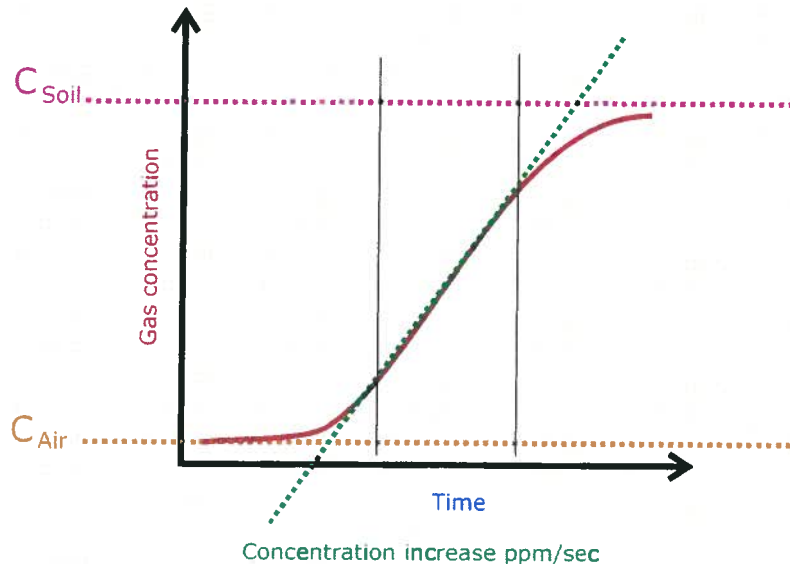
Relative Humidity Range: 0 to 95% RH, Non-Condensing

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

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

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

An example:

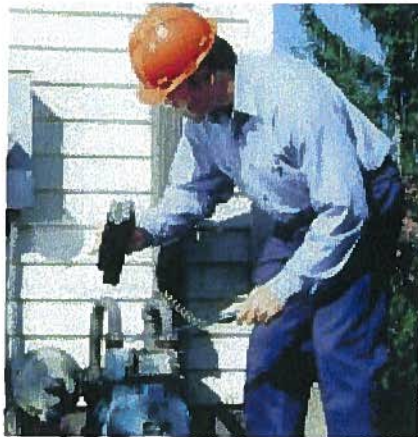
You're using the accumulation chamber B, the slope of the flux curve is 2.5 ppm/sec, the barometric pressure is 1008 mBar (HPa) and the air temperature is 22 °C.

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

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 ₂ S

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 ₂ S
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. Gasport 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 ₂ S	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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Corporate Headquarters
P.O. Box 426
Pittsburgh, PA 15230 USA
Phone (412) 967-3000
www.MSAnet.com

U.S. Customer Service Center
1-800-MSA-2222

MSA International
Phone (412) 967-3354
FAX (412) 967-3451

Offices and representatives worldwide
For further information:



QRAE II User's Guide



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

QRAE II User Guide

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 ₂ S	0-100 ppm	0.1 ppm 30 sec
Alarm Settings:	Separate limits for TWA, STEL, High, Low		
Alarms:	≥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

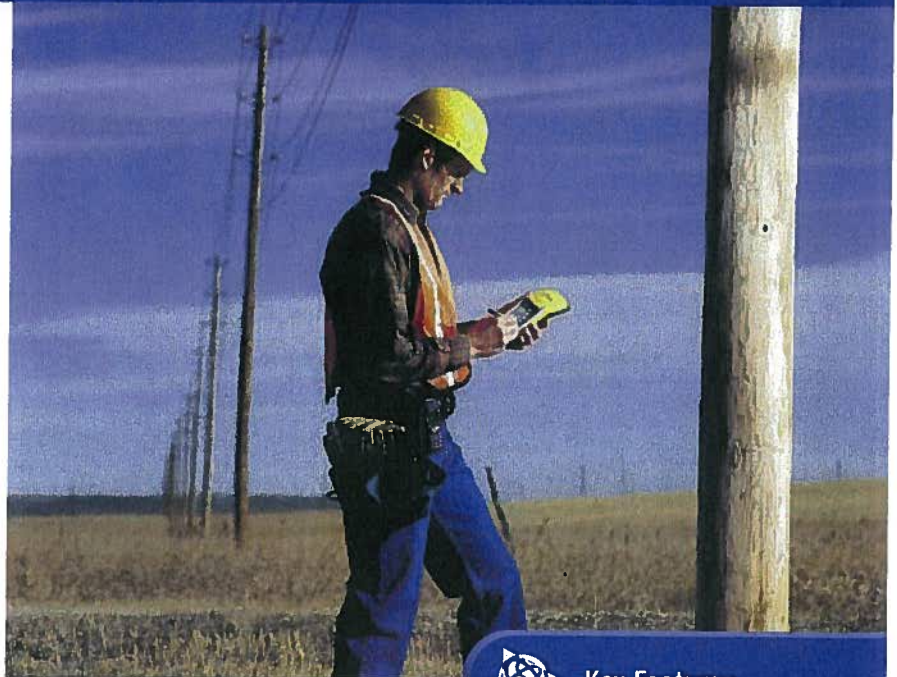
The GeoXT is optimized to provide the reliable, high-accuracy location data you need. Advanced features like EVEREST™ multipath rejection technology let you work under canopy, in urban canyons, or anywhere where accuracy is crucial.

Need submeter accuracy in real-time? Use corrections from a satellite-based augmentation system (SBAS) like WAAS¹ or EGNOS². 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



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

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.

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 AutoRoutes® 2004 in Europe.



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 WAAS¹/EGNOS²
- 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 adaptor³
- Portable power kit³
- Hurricane antenna
- External patch antenna
- Pole-mountable ground plane
- Baseball cap with antenna sleeve
- Beacon-on-a-Belt (BoB[™]) differential correction receiver³
- Hard carry case
- Null modem cable³
- 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_us.asp .
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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).

NORTH & SOUTH AMERICA

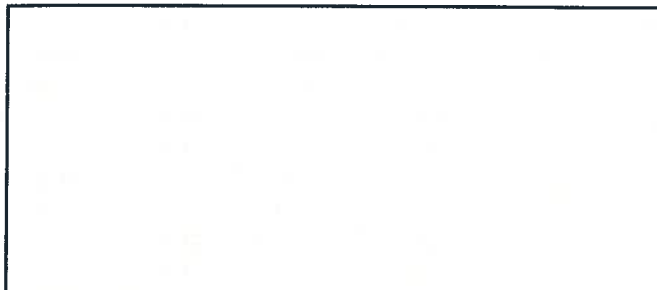
Trimble Navigation Limited
7403 Church Ranch Blvd • Suite 100
Westminster, CO 80021 • USA
+1-720-887-4374 Phone • +1-720-887-8019 Fax

EUROPE, AFRICA & MIDDLE EAST

Trimble GmbH
Am Prime Parc 11 • 65479 Raunheim • GERMANY
+49-6142-2100-0 Phone • +49-6142-2100-550 Fax

ASIA-PACIFIC

Trimble Navigation Australia Pty. Ltd
Level 1 • 123 Gotha St • Fortitude Valley
Queensland 4006 • AUSTRALIA
+61-7-3216-0044 Phone • +61-7-3216-0088 Fax



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www.trimble.com

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Operator's Manual

SMARTROLL™ MP Handheld Instrument



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 $\pm 0.1\%$ FS @ 15° C; $\pm 0.3\%$ FS max. from 0 to 50° C
Range	76 m (250 ft); absolute (non-vented)
Resolution	$\pm 0.01\%$ 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 $\pm 0.5\%$ + 1 $\mu\text{S}/\text{cm}$; $\pm 1\%$ max.
Range	5 to 100,000 $\mu\text{S}/\text{cm}$
Resolution	0.1 $\mu\text{S}/\text{cm}$
Sensor Type	Fixed
Response Time	Instantaneous in thermal equilibrium
Units of Measure	Actual conductivity ($\mu\text{S}/\text{cm}$, mS/cm) Specific conductivity ($\mu\text{S}/\text{cm}$, mS/cm) Salinity (PSU) Total dissolved solids (ppt, ppm) Resistivity (Ohms-cm) Density (g/cm^3)
Methodology	Std. Methods 2510 EPA 120.1

Dissolved Oxygen RDO Fast Cap (Optical Sensor) Specifications

Accuracy	± 0.1 mg/L; ± 0.2 mg/L; $\pm 10\%$ 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
Baird071218_01	BAIRD 1-25	1230599.248293	2330698.166262	12-07-2018 10:11:59	0.000000	0.000000	0.006837	788.3	28.8	-2.316	-0.001	0.028
Baird071218_02	BAIRD 1-25	1230627.726059	2330648.369116	12-07-2018 10:14:29	0.000000	0.000976	0.026604	789.0	29.2	-0.085	0.004	0.109
Baird071218_03	BAIRD 1-25	1230649.631639	2330653.500883	12-07-2018 10:16:38	0.000000	0.000974	0.078418	788.3	29.6	-0.001	0.004	0.322
Baird071218_04	BAIRD 1-25	1230681.759871	2330658.997303	12-07-2018 10:18:45	0.000000	0.001460	0.084666	788.3	29.9	-0.37	0.006	0.348
Baird071218_05	BAIRD 1-25	1230734.30922	2330657.748449	12-07-2018 10:21:08	0.000000	0.001944	0.065359	788.3	30.3	-0.684	0.008	0.269
Baird071218_06	BAIRD 1-25	1230787.483096	2330642.828921	12-07-2018 10:23:37	0.000000	0.001456	0.012861	788.3	30.7	-1.001	0.006	0.053
Baird071218_07	BAIRD 1-25	1230785.547225	2330687.663302	12-07-2018 10:25:50	0.000000	0.002423	0.039016	788.3	31.1	-0.311	0.01	0.161
Baird071218_08	BAIRD 1-25	1230738.637767	2330710.347033	12-07-2018 10:28:13	0.000000	0.001211	0.097092	788.4	31.4	0	0.005	0.401
Baird071218_09	BAIRD 1-25	1230695.924923	2330704.966432	12-07-2018 10:30:38	0.000000	0.003627	0.118485	788.4	31.8	-0.001	0.015	0.49
Baird071218_10	BAIRD 1-25	1230652.68205	2330706.894841	12-07-2018 10:33:01	0.000000	0.001932	0.089110	788.4	32.2	0	0.008	0.369
Baird071218_11	BAIRD 1-25	1230605.649254	2330730.828407	12-07-2018 10:35:13	0.000000	0.001689	0.142570	788.6	32.6	-1.09	0.007	0.591
Baird071218_12	BAIRD 1-25	1230666.959721	2330765.283479	12-07-2018 10:37:30	0.000000	0.001205	0.073963	788.6	33.0	-0.725	0.005	0.307
Baird071218_13	BAIRD 1-25	1230688.559401	2330751.277269	12-07-2018 10:39:36	0.000000	0.000962	0.099137	788.4	33.3	0	0.004	0.412
Baird071218_14	BAIRD 1-25	1230718.688973	2330757.700639	12-07-2018 10:41:59	0.000000	0.001442	0.093949	788.3	33.7	-1.28	0.006	0.391
Baird071218_15	BAIRD 1-25	1230793.948742	2330767.753927	12-07-2018 10:44:21	0.000000	0.002641	0.094343	788.6	34.1	-2.159	0.011	0.393
Baird071218_16	BAIRD 1-25	1230772.616596	2330807.072813	12-07-2018 10:46:42	0.000000	0.002878	0.093291	788.6	34.4	-0.424	0.012	0.389
Baird071218_17	BAIRD 1-25	1230789.988198	2330846.717667	12-07-2018 10:48:51	0.000000	0.002157	0.015342	789.0	34.7	-0.137	0.009	0.064
Baird071218_18	BAIRD 1-25	1230743.567781	2330842.577118	12-07-2018 10:51:12	0.000000	0.003350	0.065323	788.6	35.1	-0.962	0.014	0.273
Baird071218_19	BAIRD 1-25	1230734.901998	2330805.318222	12-07-2018 10:53:40	0.000000	0.000956	0.011471	788.4	35.4	-0.861	0.004	0.048
Baird071218_20	BAIRD 1-25	1230697.161125	2330810.519369	12-07-2018 10:55:56	0.000000	0.000000	0.000000	789.3	35.7	0	0	-0.138
Baird071218_21	BAIRD 1-25	1230683.132095	2330849.305661	12-07-2018 10:58:27	0.000000	0.000954	0.236746	788.3	36.1	-0.436	0.004	0.993
Baird071218_22	BAIRD 1-25	1230662.926984	2330804.593369	12-07-2018 11:00:51	0.000000	0.000715	0.089591	788.6	36.4	0	0.003	0.376
Baird071218_23	BAIRD 1-25	1230640.970841	2330840.261242	12-07-2018 11:03:01	0.000000	0.000714	0.073074	788.8	36.8	-0.678	0.003	0.307
Baird071218_24	BAIRD 1-25	1230602.519202	2330862.084313	12-07-2018 11:04:36	0.000000	0.004310	0.034238	794.2	37.1	-0.001	0.018	0.143
Baird071218_25	BAIRD 1-25	1230588.37367	2330780.495942	12-07-2018 11:07:00	0.000000	0.001425	0.071234	788.4	37.4	0	0.006	0.3
BasinCreek061118_01	BASIN CREEK	1209992.324992	2302986.945531	11-06-2018 11:46:19	0.000000	0.002706	0.000000	797.7	30.1	-1.844	0.011	-0.013

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061118_02	BASIN CREEK	1210005.592003	2303153.644833	11-06-2018 11:49:52	0.000000	0.000980	0.022046	797.6	31.4	-0.472	0.004	0.09
BasinCreek061118_03	BASIN CREEK	1209995.50193	2303358.203187	11-06-2018 11:53:30	0.000000	0.000488	0.209490	797.9	32.5	-0.661	0.002	0.858
BasinCreek061118_04	BASIN CREEK	1210138.8485	2303359.864272	11-06-2018 11:56:52	0.000000	0.000000	0.316413	798.0	33.5	0	0	1.3
BasinCreek061118_05	BASIN CREEK	1210166.151795	2303557.167017	11-06-2018 12:00:26	0.000000	0.001939	0.067373	796.9	34.4	0	0.008	0.278
BasinCreek061118_06	BASIN CREEK	1210141.509777	2303801.033675	11-06-2018 12:03:58	0.000000	0.000725	0.087733	796.8	35.2	0	0.003	0.363
BasinCreek061118_07	BASIN CREEK	1210143.345073	2304008.232948	11-06-2018 12:06:51	0.000000	0.000482	0.137261	797.1	35.9	0	0.002	0.569
BasinCreek061118_08	BASIN CREEK	1209934.242656	2304185.732442	11-06-2018 12:10:01	0.000000	0.000963	0.092958	797.3	36.5	-0.048	0.004	0.386
BasinCreek061118_09	BASIN CREEK	1209943.155769	2304367.246609	11-06-2018 12:13:00	0.000000	0.000240	0.403804	797.3	37.1	-1.022	0.001	1.68
BasinCreek061118_10	BASIN CREEK	1209759.630239	2304553.296458	11-06-2018 12:16:20	0.000000	0.000000	0.053017	797.3	37.7	-0.268	0	0.221
BasinCreek061118_11	BASIN CREEK	1209782.553031	2304408.119787	11-06-2018 12:18:50	0.000000	0.000479	0.078125	797.5	38.1	-0.938	0.002	0.326
BasinCreek061118_12	BASIN CREEK	1209560.192493	2304337.66861	11-06-2018 12:21:58	0.000000	0.000000	0.180358	798.1	38.5	-0.908	-0.006	0.753
BasinCreek061118_13	BASIN CREEK	1209598.715213	2304195.566499	11-06-2018 12:24:56	0.000000	0.000000	0.379485	798.8	38.9	-0.122	-0.003	1.585
BasinCreek061118_14	BASIN CREEK	1209782.739585	2304180.501244	11-06-2018 12:27:55	0.000000	0.000717	0.108053	798.6	39.3	-1.646	0.003	0.452
BasinCreek061118_15	BASIN CREEK	1209957.00334	2303957.974988	11-06-2018 12:31:20	0.000000	0.000477	0.021703	798.0	39.8	-0.984	0.002	0.091
BasinCreek061118_16	BASIN CREEK	1209988.300283	2303843.453885	11-06-2018 12:33:53	0.000000	0.000000	0.075783	798.4	40.2	-0.793	-0.001	0.318
BasinCreek061118_17	BASIN CREEK	1209785.661164	2303952.436167	11-06-2018 12:37:27	0.000000	0.001667	0.141216	799.1	40.7	0	0.007	0.593
BasinCreek061118_18	BASIN CREEK	1209746.375899	2303774.242687	11-06-2018 12:42:08	0.000000	0.000712	0.124161	798.4	41.4	-0.342	0.003	0.523
BasinCreek061118_19	BASIN CREEK	1209545.150899	2303920.975204	11-06-2018 12:45:46	0.000000	0.000474	0.086196	797.4	41.8	-1.44	0.002	0.364
BasinCreek061118_20	BASIN CREEK	1209552.277562	2303736.981058	11-06-2018 12:50:27	1.468833	0.002601	2.089890	797.1	42.2	6.213	0.011	8.84
BasinCreek061118_21	BASIN CREEK	1209388.02459	2303774.661954	11-06-2018 12:54:41	0.000000	0.002124	0.101478	796.7	42.6	0	0.009	0.43
BasinCreek061118_22	BASIN CREEK	1209348.037364	2303579.280511	11-06-2018 13:01:26	0.000000	0.001413	0.020727	796.4	43.1	-0.207	0.006	0.088
BasinCreek061118_23	BASIN CREEK	1209417.581694	2303424.076737	11-06-2018 13:06:45	0.000000	0.001173	0.166853	794.5	43.5	-0.001	0.005	0.711
BasinCreek061118_24	BASIN CREEK	1209521.989148	2303367.051092	11-06-2018 13:10:06	0.000000	0.000939	0.128156	794.9	43.6	-0.75	0.004	0.546
BasinCreek061118_25	BASIN CREEK	1209518.330337	2303168.010889	11-06-2018 13:16:04	0.526453	0.001639	0.093399	794.0	44.1	2.249	0.007	0.399
BasinCreek061118_26	BASIN CREEK	1209549.98487	2303009.117279	11-06-2018 13:24:07	13.226030	0.003504	2.828392	793.6	44.6	56.619	0.015	12.108
BasinCreek061118_27	BASIN CREEK	1209343.951194	2302943.178226	11-06-2018 13:34:51	0.000000	0.002331	0.169717	793.5	45.2	-0.631	0.01	0.728

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061118_28	BASIN CREEK	1209314.24532	2303102.09161	11-06-2018 13:40:17	0.000000	0.002318	0.009968	789.5	45.4	-0.864	0.01	0.043
BasinCreek061118_29	BASIN CREEK	1209230.419098	2303090.425505	11-06-2018 13:43:26	0.000000	0.001856	0.148033	790.5	45.5	-3.231	0.008	0.638
BasinCreek061118_30	BASIN CREEK	1209184.803961	2302976.741912	11-06-2018 13:46:31	0.000000	0.000696	0.098104	790.4	45.6	-0.664	0.003	0.423
BasinCreek061118_31	BASIN CREEK	1209210.827745	2302837.737004	11-06-2018 13:51:07	0.000000	0.001851	0.056454	789.0	45.8	-1.333	0.008	0.244
BasinCreek061118_32	BASIN CREEK	1209176.339839	2302806.593251	11-06-2018 13:54:03	0.000000	0.002078	0.375905	787.4	45.8	0	0.009	1.628
BasinCreek061118_33	BASIN CREEK	1209346.511744	2302724.906785	11-06-2018 13:58:09	0.000000	0.001847	0.553294	787.4	45.9	-0.005	0.008	2.397
BasinCreek061118_34	BASIN CREEK	1209398.1503	2302685.044315	11-06-2018 14:00:38	0.000000	0.001848	0.164003	788.2	46.0	0	0.008	0.71
BasinCreek061118_35	BASIN CREEK	1209505.859281	2302645.996891	11-06-2018 14:03:48	4.864280	0.001388	2.237065	789.4	46.1	21.033	0.006	9.673
BasinCreek061118_36	BASIN CREEK	1209498.013892	2302745.787681	11-06-2018 14:06:56	0.000000	0.000695	0.689128	790.4	46.1	0	0.003	2.976
BasinCreek061118_37	BASIN CREEK	1209499.073246	2302767.3848	11-06-2018 14:09:14	1.505679	0.000463	0.395281	789.7	46.0	6.506	0.002	1.708
BasinCreek061118_38	BASIN CREEK	1209471.7664	2302798.426482	11-06-2018 14:12:03	0.000000	0.001157	0.171908	789.5	46.0	-0.458	0.005	0.743
BasinCreek061118_39	BASIN CREEK	1209471.329833	2302835.064098	11-06-2018 14:14:48	0.000000	0.000000	0.074251	789.3	46.0	-0.41	-0.002	0.321
BasinCreek061118_40	BASIN CREEK	1209504.158058	2302833.861029	11-06-2018 14:17:57	0.000000	0.001619	0.717956	789.5	46.2	0	0.007	3.105
BasinCreek061118_41	BASIN CREEK	1209501.135928	2302832.418469	11-06-2018 14:19:12	0.000000	0.000000	0.247643	789.5	46.2	-0.564	0	1.071
BasinCreek061118_42	BASIN CREEK	1209508.500677	2302814.737031	11-06-2018 14:22:29	0.000000	0.001157	0.752282	790.1	46.3	-1.926	0.005	3.252
BasinCreek061118_43	BASIN CREEK	1209513.899739	2302803.882409	11-06-2018 14:22:56	0.000000	0.001157	0.752282	790.1	46.3	-1.926	0.005	3.252
BasinCreek061118_44	BASIN CREEK	1209518.062344	2302799.314107	11-06-2018 14:25:31	5.004164	0.000925	1.881505	790.1	46.4	21.639	0.004	8.136
BasinCreek061118_45	BASIN CREEK	1209516.15658	2302795.299686	11-06-2018 14:29:30	18.122770	0.000000	1.464784	790.1	46.5	78.391	-0.004	6.336
BasinCreek061118_46	BASIN CREEK	1209507.252816	2302789.788875	11-06-2018 14:32:12	5.265166	0.000231	4.438506	790.1	46.7	22.789	0.001	19.211
BasinCreek061118_47	BASIN CREEK	1209524.035342	2302810.721195	11-06-2018 14:34:33	11.721510	0.000693	3.540978	790.0	46.8	50.756	0.003	15.333
BasinCreek061118_48	BASIN CREEK	1209521.032591	2302801.208846	11-06-2018 14:36:34	183.693600	0.001847	6.495421	790.0	46.9	795.671	0.008	28.135
BasinCreek061118_49	BASIN CREEK	1209526.011333	2302794.870998	11-06-2018 14:38:33	4.490792	0.001154	2.331944	790.0	47.0	19.458	0.005	10.104
BasinCreek061118_50	BASIN CREEK	1209535.713821	2302769.635449	11-06-2018 14:40:27	0.000000	0.000693	0.048245	790.4	47.1	0	0.003	0.209
BasinCreek061118_51	BASIN CREEK	1209557.471345	2302764.735469	11-06-2018 14:42:21	0.000000	0.000692	0.127845	790.4	47.2	0	0.003	0.554
BasinCreek061118_52	BASIN CREEK	1209555.018766	2302798.600928	11-06-2018 14:44:46	1.460713	0.000692	0.489596	790.5	47.3	6.331	0.003	2.122
BasinCreek061118_53	BASIN CREEK	1209549.419298	2302832.052819	11-06-2018 14:47:26	3.248030	0.001384	0.301713	790.8	47.5	14.081	0.006	1.308

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061118_54	BASIN CREEK	1209721.903018	2302824.92647	11-06-2018 14:52:55	1.114978	0.002536	0.077682	791.0	47.8	4.837	0.011	0.337
BasinCreek061118_55	BASIN CREEK	1209726.211372	2302910.064173	11-06-2018 14:55:52	1.536377	0.001388	0.584064	794.0	47.9	6.642	0.006	2.525
BasinCreek061118_56	BASIN CREEK	1209733.481221	2302895.492682	11-06-2018 14:57:43	3.420648	0.002082	2.877526	794.0	47.9	14.788	0.009	12.44
BasinCreek061118_57	BASIN CREEK	1209698.663515	2303006.068012	11-06-2018 15:01:36	10.346230	0.003241	0.627178	794.7	47.9	44.689	0.014	2.709
BasinCreek061118_58	BASIN CREEK	1209719.126676	2303129.152973	11-06-2018 15:07:05	0.000000	0.004170	0.340523	795.4	48.0	-0.197	0.018	1.47
BasinCreek061118_59	BASIN CREEK	1209728.000484	2303153.76172	11-06-2018 15:08:54	147.946200	0.001622	9.348392	795.4	48.0	638.668	0.007	40.356
BasinCreek061118_60	BASIN CREEK	1209691.363404	2303237.582976	11-06-2018 15:11:16	0.000000	0.000928	0.175390	796.6	48.0	-0.344	0.004	0.756
BasinCreek061118_61	BASIN CREEK	1209670.706318	2303287.125482	11-06-2018 15:14:05	13.543400	0.001160	3.472512	796.7	48.0	58.37	0.005	14.966
BasinCreek061118_62	BASIN CREEK	1209556.218864	2303560.576884	11-06-2018 15:20:36	0.000000	0.001393	0.103343	798.4	48.4	-4.632	0.006	0.445
BasinCreek061118_63	BASIN CREEK	1209621.306128	2303531.943161	11-06-2018 15:23:09	1.524245	0.000000	0.255428	794.7	48.4	6.594	-0.001	1.105
BasinCreek061118_64	BASIN CREEK	1209732.212071	2303502.962914	11-06-2018 15:28:09	0.494814	0.003467	1.679271	794.8	48.5	2.141	0.015	7.266
BasinCreek061118_65	BASIN CREEK	1209773.37632	2303515.958745	11-06-2018 15:30:14	0.000000	0.003012	0.154753	796.7	48.5	-1.389	0.013	0.668
BasinCreek061118_66	BASIN CREEK	1209788.46724	2303321.025002	11-06-2018 15:34:55	0.000000	0.002549	0.103123	796.7	48.4	-0.536	0.011	0.445
BasinCreek061118_67	BASIN CREEK	1210003.097999	2303575.26679	11-06-2018 15:37:47	0.000000	0.000000	0.487046	797.1	48.3	-0.477	-0.007	2.1
BasinCreek061118_68	BASIN CREEK	1209976.834567	2302859.306582	11-06-2018 15:42:30	0.000000	0.003481	0.094923	797.4	48.2	-0.063	0.015	0.409
BasinCreek061118_69	BASIN CREEK	1209878.895627	2302665.395522	11-06-2018 15:45:35	0.000000	0.001159	0.090383	796.0	48.1	-2.964	0.005	0.39
BasinCreek061218_100	BASIN CREEK	1208658.852	2299963.898221	12-06-2018 14:02:31	0.000000	0.003614	0.382632	779.2	49.5	-0.762	0.016	1.694
BasinCreek061218_101	BASIN CREEK	1208934.122838	2300165.502759	12-06-2018 14:11:05	0.786409	0.003166	0.147466	781.2	49.9	3.477	0.014	0.652
BasinCreek061218_102	BASIN CREEK	1208915.556512	2300096.186873	12-06-2018 14:13:28	0.000000	0.000908	0.064444	784.0	50.0	-0.389	0.004	0.284
BasinCreek061218_103	BASIN CREEK	1208993.659747	2300161.536852	12-06-2018 14:18:04	0.000000	0.002720	0.043975	783.9	50.3	-0.397	0.012	0.194
BasinCreek061218_104	BASIN CREEK	1209027.982782	2300273.591065	12-06-2018 14:22:53	0.000000	0.003403	0.048099	785.1	50.5	-0.611	0.015	0.212
BasinCreek061218_105	BASIN CREEK	1209011.503613	2300331.112977	12-06-2018 14:25:43	6.780353	0.001133	0.544386	784.5	50.6	29.917	0.005	2.402
BasinCreek061218_106	BASIN CREEK	1209021.579011	2300412.451977	12-06-2018 14:30:32	4.629491	0.003169	0.141227	783.9	50.8	20.455	0.014	0.624
BasinCreek061218_107	BASIN CREEK	1209074.931415	2300389.061895	12-06-2018 14:33:43	0.000000	0.002036	0.041392	783.9	51.0	-0.615	0.009	0.183
BasinCreek061218_108	BASIN CREEK	1209078.4521	2300459.155231	12-06-2018 14:37:13	0.000000	0.003393	0.034613	784.3	51.1	-0.002	0.015	0.153
BasinCreek061218_109	BASIN CREEK	1209089.629882	2300486.196577	12-06-2018 14:39:26	0.000000	0.000000	0.007024	785.5	51.1	-0.887	-0.005	0.031

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061218_110	BASIN CREEK	1209072.657428	2300575.668783	12-06-2018 14:45:08	2.280644	0.002265	0.093536	785.4	51.2	10.07	0.01	0.413
BasinCreek061218_111	BASIN CREEK	1209104.063749	2300637.926748	12-06-2018 14:48:27	0.855202	0.003395	0.276843	785.0	51.2	3.778	0.015	1.223
BasinCreek061218_112	BASIN CREEK	1209106.405268	2300585.538337	12-06-2018 14:51:21	0.000000	0.002263	0.023987	785.0	51.3	-0.893	0.01	0.106
BasinCreek061218_113	BASIN CREEK	1209145.324276	2300575.316439	12-06-2018 14:53:41	0.000000	0.000453	0.060935	785.8	51.3	-1.316	0.002	0.269
BasinCreek061218_114	BASIN CREEK	1209154.668993	2300620.66186	12-06-2018 14:57:14	0.000000	0.000000	0.013598	786.4	51.4	-0.239	-0.004	0.06
BasinCreek061218_115	BASIN CREEK	1209088.088056	2300718.34819	12-06-2018 15:01:25	37.945370	0.004983	8.448913	786.2	51.5	167.529	0.022	37.302
BasinCreek061218_116	BASIN CREEK	1209152.589479	2300769.735375	12-06-2018 15:03:49	0.000000	0.001358	0.012446	785.7	51.6	-1.702	0.006	0.055
BasinCreek061218_70	BASIN CREEK	1209532.884281	2302361.295263	12-06-2018 11:51:08	0.000000	0.001706	0.189160	795.3	32.0	-0.53	0.007	0.776
BasinCreek061218_71	BASIN CREEK	1209371.415781	2302397.126245	12-06-2018 11:54:06	0.000000	0.000729	0.106724	795.5	32.9	-0.002	0.003	0.439
BasinCreek061218_72	BASIN CREEK	1209271.473565	2302396.439493	12-06-2018 11:57:26	42.069110	0.000727	2.297420	795.5	33.8	173.556	0.003	9.478
BasinCreek061218_73	BASIN CREEK	1209220.076569	2302376.527788	12-06-2018 12:00:59	12.907260	0.001208	1.862677	795.5	34.7	53.405	0.005	7.707
BasinCreek061218_74	BASIN CREEK	1209138.499153	2302324.049474	12-06-2018 12:06:08	0.576673	0.001923	0.364657	794.8	36.1	2.399	0.008	1.517
BasinCreek061218_75	BASIN CREEK	1209107.550862	2302484.763222	12-06-2018 12:14:18	0.000000	0.001432	0.199255	793.6	37.9	0	0.006	0.835
BasinCreek061218_76	BASIN CREEK	1209004.624699	2302487.440894	12-06-2018 12:19:16	0.000000	0.001187	0.097328	792.0	38.9	0	0.005	0.41
BasinCreek061218_77	BASIN CREEK	1208875.230537	2302356.763678	12-06-2018 12:24:24	0.000000	0.001181	0.062347	790.2	39.8	-1.248	0.005	0.264
BasinCreek061218_78	BASIN CREEK	1208882.42923	2302154.329961	12-06-2018 12:30:06	0.000000	0.000705	0.119862	788.9	40.8	0	0.003	0.51
BasinCreek061218_79	BASIN CREEK	1208748.550346	2301947.519039	12-06-2018 12:36:06	0.000000	0.000937	0.011713	788.6	41.7	-1.365	0.004	0.05
BasinCreek061218_80	BASIN CREEK	1208752.225824	2301753.96511	12-06-2018 12:39:41	0.000000	0.000933	0.064390	786.6	42.2	-1.346	0.004	0.276
BasinCreek061218_81	BASIN CREEK	1208927.997964	2301577.014246	12-06-2018 12:44:05	0.000000	0.001164	0.072381	786.2	42.8	-0.001	0.005	0.311
BasinCreek061218_82	BASIN CREEK	1208822.810838	2301520.535708	12-06-2018 12:49:07	0.000000	0.002550	0.007650	784.8	43.5	0	0.011	0.033
BasinCreek061218_83	BASIN CREEK	1208763.38759	2301402.099475	12-06-2018 12:52:44	0.000000	0.001388	0.214208	784.4	44.0	0	0.006	0.926
BasinCreek061218_84	BASIN CREEK	1208822.040216	2301342.508026	12-06-2018 12:56:00	0.000000	0.000924	0.071118	784.2	44.5	0	0.004	0.308
BasinCreek061218_85	BASIN CREEK	1208697.872776	2301224.588068	12-06-2018 13:00:09	0.000000	0.001383	0.000000	784.4	45.2	-1.003	0.006	-0.027
BasinCreek061218_86	BASIN CREEK	1208627.124844	2301185.81831	12-06-2018 13:03:07	0.000000	0.000690	0.104394	783.4	45.5	-2.14	0.003	0.454
BasinCreek061218_87	BASIN CREEK	1208511.909078	2301155.87423	12-06-2018 13:07:01	0.000000	0.002066	0.277352	783.2	45.9	-1.025	0.009	1.208
BasinCreek061218_88	BASIN CREEK	1208485.470481	2301010.40845	12-06-2018 13:11:28	0.000000	0.001374	0.054714	781.9	46.3	-0.353	0.006	0.239

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061218_89	BASIN CREEK	1208634.739612	2300966.401733	12-06-2018 13:16:33	0.000000	0.002514	0.129362	781.6	46.7	0	0.011	0.566
BasinCreek061218_90	BASIN CREEK	1208583.502012	2300809.469709	12-06-2018 13:21:57	2.632662	0.002749	0.668933	784.4	47.1	11.492	0.012	2.92
BasinCreek061218_91	BASIN CREEK	1208544.129926	2300821.227581	12-06-2018 13:25:35	0.000000	0.002056	0.082013	782.7	47.3	-0.926	0.009	0.359
BasinCreek061218_92	BASIN CREEK	1208556.948415	2300728.669978	12-06-2018 13:28:58	0.000000	0.000685	0.114814	782.3	47.4	-0.562	0.003	0.503
BasinCreek061218_93	BASIN CREEK	1208611.222908	2300703.499516	12-06-2018 13:31:36	0.000000	0.000000	0.005931	782.1	47.5	0	-0.001	0.026
BasinCreek061218_94	BASIN CREEK	1208648.612849	2300754.18901	12-06-2018 13:34:37	0.609150	0.001141	0.244345	782.4	47.6	2.67	0.005	1.071
BasinCreek061218_95	BASIN CREEK	1208793.06502	2300735.216319	12-06-2018 13:40:36	0.000000	0.002509	0.117469	783.2	48.0	-1.202	0.011	0.515
BasinCreek061218_96	BASIN CREEK	1208808.178694	2300646.723959	12-06-2018 13:43:54	0.000000	0.002281	0.055197	783.9	48.3	-0.463	0.01	0.242
BasinCreek061218_97	BASIN CREEK	1208906.691616	2300540.090804	12-06-2018 13:46:58	0.000000	0.001593	0.387822	782.7	48.5	0	0.007	1.704
BasinCreek061218_98	BASIN CREEK	1208796.308569	2300403.628208	12-06-2018 13:51:33	0.000000	0.002044	0.050872	782.0	48.9	-0.785	0.009	0.224
BasinCreek061218_99	BASIN CREEK	1208688.083903	2300199.55205	12-06-2018 13:56:02	0.000000	0.001810	0.067660	779.9	49.2	-0.056	0.008	0.299
BasinCreek061518_117	BASIN CREEK	1209713.734664	2302186.430205	15-06-2018 11:56:19	0.000000	0.000000	0.000000	790.7	31.4	-2.16	0	-0.048
BasinCreek061518_118	BASIN CREEK	1209621.244695	2301962.536918	15-06-2018 12:00:49	0.000000	0.000484	0.136893	790.9	32.7	-0.393	0.002	0.566
BasinCreek061518_119	BASIN CREEK	1209619.746568	2301845.42991	15-06-2018 12:04:42	0.000000	0.000000	0.122652	790.3	33.6	-0.001	-0.001	0.509
BasinCreek061518_120	BASIN CREEK	1209569.7352	2302002.671766	15-06-2018 12:08:06	0.000000	0.000240	0.012261	790.3	34.3	-1.178	0.001	0.051
BasinCreek061518_121	BASIN CREEK	1209532.607293	2302124.466183	15-06-2018 12:11:00	0.000000	0.000000	0.063315	789.9	34.9	0	0	0.264
BasinCreek061518_122	BASIN CREEK	1209409.237593	2302168.584846	15-06-2018 12:15:18	0.657843	0.000000	0.652816	790.5	35.7	2.748	0	2.727
BasinCreek061518_123	BASIN CREEK	1209308.244809	2302167.757584	15-06-2018 12:19:16	29.026950	0.000000	4.889294	789.6	36.3	121.628	0	20.487
BasinCreek061518_124	BASIN CREEK	1209125.956149	2302130.604816	15-06-2018 12:23:09	0.000000	0.000476	0.076343	788.4	36.9	-0.683	0.002	0.321
BasinCreek061518_125	BASIN CREEK	1208934.607292	2301983.38818	15-06-2018 12:27:42	0.331764	0.000237	0.170980	787.9	37.6	1.399	0.001	0.721
BasinCreek061518_126	BASIN CREEK	1209020.98763	2301796.297101	15-06-2018 12:34:32	0.000000	0.000235	0.034783	783.6	38.7	-1.452	0.001	0.148
BasinCreek061518_127	BASIN CREEK	1209142.239358	2301759.387179	15-06-2018 12:37:11	0.000000	0.000000	0.035151	782.6	39.2	-1.689	0	0.15
BasinCreek061518_128	BASIN CREEK	1209111.835126	2301908.633343	15-06-2018 12:40:26	0.000000	0.004443	0.131898	782.5	39.8	-0.685	0.019	0.564
BasinCreek061518_129	BASIN CREEK	1209294.617731	2301831.192224	15-06-2018 12:45:00	0.637367	0.000701	0.130370	784.0	40.7	2.728	0.003	0.558
BasinCreek061518_130	BASIN CREEK	1209349.984664	2301962.032681	15-06-2018 12:48:59	48.390540	0.002099	4.017502	784.6	41.5	207.486	0.009	17.226
BasinCreek061518_131	BASIN CREEK	1209379.769103	2301946.117348	15-06-2018 12:52:31	79.592620	0.001631	9.789490	785.3	42.0	341.51	0.007	42.004

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BasinCreek061518_132	BASIN CREEK	1209379.494813	2301945.014461	15-06-2018 12:55:22	4816.974000	2.526799	38.745500	785.3	42.5	20701.1	10.859	166.51
BasinCreek061518_133	BASIN CREEK	1209386.401794	2301906.511814	15-06-2018 12:58:34	1.593033	0.000000	0.233955	785.6	42.8	6.85	-0.049	1.006
BasinCreek061518_134	BASIN CREEK	1209352.261479	2301904.522595	15-06-2018 13:01:49	0.000000	0.000000	0.518813	785.6	43.1	-0.876	-0.007	2.233
BasinCreek061518_135	BASIN CREEK	1209343.83009	2302001.648525	15-06-2018 13:04:45	0.871902	0.000696	0.638435	785.2	43.3	3.757	0.003	2.751
BasinCreek061518_136	BASIN CREEK	1209375.58721	2302007.148816	15-06-2018 13:07:03	0.667449	0.000697	1.281948	786.0	43.4	2.874	0.003	5.52
BasinCreek061518_137	BASIN CREEK	1209420.838078	2302007.861323	15-06-2018 13:09:29	0.739589	0.000000	1.237064	786.9	43.6	3.183	0	5.324
BasinCreek061518_138	BASIN CREEK	1209428.931383	2301959.810008	15-06-2018 13:12:48	0.000000	0.000000	0.097510	787.0	43.9	-1.627	0	0.42
BasinCreek061518_139	BASIN CREEK	1209438.73262	2301921.589437	15-06-2018 13:15:29	0.802726	0.002085	0.861569	786.3	44.3	3.465	0.009	3.719
BasinCreek061518_140	BASIN CREEK	1209470.747219	2301922.532308	15-06-2018 13:18:04	4.543092	0.000695	1.107348	786.7	44.6	19.619	0.003	4.782
BasinCreek061518_141	BASIN CREEK	1209413.407472	2301752.333567	15-06-2018 13:22:10	5.836890	0.000925	0.625026	787.1	45.1	25.233	0.004	2.702
BasinCreek061518_142	BASIN CREEK	1209433.717678	2301639.175601	15-06-2018 13:26:40	0.000000	0.002538	0.031384	786.7	45.7	-1.39	0.011	0.136
BasinCreek061518_143	BASIN CREEK	1209370.125377	2301571.963025	15-06-2018 13:29:54	0.000000	0.001155	0.162606	787.9	45.9	-0.583	0.005	0.704
BasinCreek061518_144	BASIN CREEK	1209233.676392	2301546.675971	15-06-2018 13:35:17	346.793900	0.001843	18.549510	786.7	46.2	1505.144	0.008	80.508
BasinCreek061518_145	BASIN CREEK	1209127.708895	2301443.498907	15-06-2018 13:39:22	0.661690	0.001148	0.223243	784.2	46.2	2.881	0.005	0.972
BasinCreek061518_146	BASIN CREEK	1209120.108226	2301376.168059	15-06-2018 13:42:41	1.433647	0.000690	1.533701	785.1	46.1	6.233	0.003	6.668
BasinCreek061518_147	BASIN CREEK	1209087.776897	2301337.16831	15-06-2018 13:45:25	97.938850	0.001844	3.823855	786.5	46.0	424.913	0.008	16.59
BasinCreek061518_148	BASIN CREEK	1209173.32784	2301318.719467	15-06-2018 13:48:01	0.000000	0.000923	0.193810	787.3	46.0	-1.535	0.004	0.84
BasinCreek061518_149	BASIN CREEK	1209222.142482	2301379.155432	15-06-2018 13:50:55	0.000000	0.000461	0.215729	787.3	46.0	-0.537	0.002	0.935
BasinCreek061518_150	BASIN CREEK	1209301.44732	2301447.7458	15-06-2018 13:53:05	0.000000	0.000922	0.584608	786.3	46.0	-13.035	0.004	2.537
BasinCreek061518_151	BASIN CREEK	1209050.139301	2301223.819933	15-06-2018 13:57:27	0.000000	0.001152	0.111299	786.3	46.0	-0.26	0.005	0.483
BasinCreek061518_152	BASIN CREEK	1209000.146947	2301171.654705	15-06-2018 14:00:57	52.322050	0.001384	1.295197	787.1	46.0	226.829	0.006	5.615
BasinCreek061518_153	BASIN CREEK	1208917.391777	2301050.692849	15-06-2018 14:05:00	162.320500	0.003915	4.619442	785.9	46.0	704.774	0.017	20.057
BasinCreek061518_154	BASIN CREEK	1208960.856194	2301011.670875	15-06-2018 14:08:05	0.000000	0.000921	0.145541	785.8	46.0	-0.726	0.004	0.632
BasinCreek061518_155	BASIN CREEK	1208944.215071	2300890.031302	15-06-2018 14:12:54	191.401700	0.001612	5.898784	786.2	46.2	831.244	0.007	25.618
BasinCreek061518_156	BASIN CREEK	1208996.444473	2300830.478246	15-06-2018 14:15:43	0.447404	0.000459	0.995176	784.2	46.2	1.948	0.002	4.333
BasinCreek061518_157	BASIN CREEK	1209140.798681	2300900.72419	15-06-2018 14:18:49	0.000000	0.000918	0.071158	784.0	46.3	-0.773	0.004	0.31

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BasinCreek061518_158	BASIN CREEK	1209024.998839	2301012.573182	15-06-2018 14:23:00	0.000000	0.001378	0.072564	784.8	46.5	-1.378	0.006	0.316
BasinCreek061518_159	BASIN CREEK	1209063.146173	2301055.993915	15-06-2018 14:26:15	0.000000	0.001152	0.204757	787.4	46.6	-0.518	0.005	0.889
BasinCreek061518_160	BASIN CREEK	1209095.122019	2301125.880867	15-06-2018 14:29:14	0.000000	0.000460	0.028082	787.4	46.8	-0.487	0.002	0.122
BasinCreek062118_01	BASIN CREEK	1209961.276894	2304593.213096	21-06-2018 10:46:25	0.000000	0.000000	0.072107	801.5	32.5	0	-0.005	0.294
BasinCreek062118_02	BASIN CREEK	1210172.090439	2304534.485278	21-06-2018 10:53:04	0.000000	0.000000	0.212927	801.5	33.5	0	0	0.871
BasinCreek062118_03	BASIN CREEK	1210123.176731	2304402.164099	21-06-2018 10:59:20	0.000000	0.000000	0.478357	800.6	34.6	0	-0.01	1.966
BasinCreek062118_04	BASIN CREEK	1210163.216173	2304354.689999	21-06-2018 11:04:01	0.000000	0.000000	0.315860	801.8	35.5	0	-0.027	1.3
BasinCreek062118_05	BASIN CREEK	1210172.535768	2304185.092653	21-06-2018 11:08:07	0.000000	0.000000	0.080891	801.3	36.3	0	0	0.334
BasinCreek062118_06	BASIN CREEK	1210313.544824	2304144.336995	21-06-2018 11:15:29	0.000000	0.000000	0.591809	801.3	38.0	0	-0.03	2.457
BasinCreek062118_07	BASIN CREEK	1210369.943741	2304042.198895	21-06-2018 11:19:26	0.000000	0.000000	0.074046	799.5	38.9	0	-0.026	0.309
BasinCreek062118_08	BASIN CREEK	1210304.37379	2304320.103299	21-06-2018 11:27:29	0.000000	0.002146	0.198623	799.1	40.3	0	0.009	0.833
BasinCreek062118_09	BASIN CREEK	1210429.012666	2304446.45928	21-06-2018 11:32:37	0.000000	0.000000	1.420552	800.7	41.0	0	0	5.959
BasinCreek062118_10	BASIN CREEK	1210291.479763	2304495.685332	21-06-2018 11:37:46	0.000000	0.000000	1.067022	800.9	41.5	0	-0.039	4.482
BasinCreek062118_11	BASIN CREEK	1210275.640386	2304500.650754	21-06-2018 11:40:38	0.000000	0.000000	0.499218	800.5	41.8	-0.015	-0.03	2.1
BasinCreek062118_12	BASIN CREEK	1210308.724177	2304506.750638	21-06-2018 11:43:58	1186.964000	0.032040	13.264980	800.2	42.2	5001.273	0.135	55.892
BasinCreek062118_13	BASIN CREEK	1210327.397815	2304494.478359	21-06-2018 11:46:49	0.000000	0.000000	0.281119	800.2	42.6	0	0	1.186
BasinCreek062118_14	BASIN CREEK	1210318.724981	2304525.697782	21-06-2018 11:50:50	0.287411	0.002602	0.315088	800.1	43.2	1.215	0.011	1.332
BasinCreek062118_15	BASIN CREEK	1210321.145049	2304547.030555	21-06-2018 11:53:52	0.000000	0.000000	0.642256	799.7	43.5	0	-0.035	2.719
BasinCreek062118_16	BASIN CREEK	1210322.049787	2304566.452739	21-06-2018 11:58:22	0.000000	0.000000	0.115024	799.5	44.1	0	-0.038	0.488
BasinCreek062118_17	BASIN CREEK	1210355.378173	2304537.647999	21-06-2018 12:01:53	0.000000	0.000000	0.070387	799.5	44.5	-0.438	0	0.299
BasinCreek062118_18	BASIN CREEK	1210399.75705	2304550.333385	21-06-2018 12:05:19	0.000000	0.000000	0.761256	800.2	44.8	0	-0.022	3.234
BasinCreek062118_19	BASIN CREEK	1210378.103086	2304537.331352	21-06-2018 12:08:06	0.587498	0.000000	1.196137	799.3	45.1	2.501	-0.016	5.092
BasinCreek062118_20	BASIN CREEK	1210388.135141	2304514.513799	21-06-2018 12:12:14	0.000000	0.000000	0.366502	799.9	45.5	0	-0.045	1.561
BasinCreek062118_21	BASIN CREEK	1210359.915755	2304517.779119	21-06-2018 12:16:08	0.000000	0.000000	1.551425	799.3	45.8	0	-0.002	6.619
BasinCreek062118_22	BASIN CREEK	1210293.973377	2304532.413906	21-06-2018 12:20:45	0.000000	0.004683	0.417056	799.3	46.1	0	0.02	1.781
BasinCreek062118_23	BASIN CREEK	1210326.117179	2304605.511337	21-06-2018 12:24:13	0.000000	0.000000	0.181281	799.7	46.2	0	-0.058	0.774

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BasinCreek062118_24	BASIN CREEK	1210359.527872	2304611.397688	21-06-2018 12:30:44		0.000000	0.358663	798.3	46.4	-0.048		1.535
BasinCreek062118_25	BASIN CREEK	1210299.565176	2304719.606126	21-06-2018 12:30:59	0.000000	0.000000	0.358663	798.3	46.4	-0.001	-0.048	1.535
BasinCreek062118_26	BASIN CREEK	1210524.767567	2304972.713207	21-06-2018 12:37:24	0.000000	0.003733	0.092168	798.2	46.8	-0.047	0.016	0.395
BasinCreek062118_27	BASIN CREEK	1210562.078776	2304820.035019	21-06-2018 12:45:09	0.000000	0.010701	0.453174	796.8	47.2	0	0.046	1.948
BasinCreek062118_28	BASIN CREEK	1210557.239785	2304599.507036	21-06-2018 12:52:05	0.000000	0.000000	0.201281	798.0	47.6	-0.483	-0.048	0.865
BasinCreek062118_29	BASIN CREEK	1210530.79373	2304451.259166	21-06-2018 12:58:24	0.000000	0.000000	0.434332	799.4	47.9	0	-0.028	1.865
BasinCreek062118_30	BASIN CREEK	1210496.249145	2304193.44736	21-06-2018 13:04:00	0.000000	0.003490	0.390417	799.4	48.2	-0.106	0.015	1.678
BasinCreek062118_31	BASIN CREEK	1210486.756955	2303968.391799	21-06-2018 13:10:34	0.000000	0.010449	0.373383	798.3	48.4	0	0.045	1.608
BasinCreek062118_32	BASIN CREEK	1210537.427305	2303865.246522	21-06-2018 13:19:48	0.000000	0.004407	0.186249	797.4	48.4	0	0.019	0.803
BasinCreek062118_33	BASIN CREEK	1210688.876403	2303832.302221	21-06-2018 13:25:29	0.000000	0.000000	0.463994	795.9	48.2	0	-0.011	2.003
BasinCreek062118_34	BASIN CREEK	1210742.231848	2303948.290661	21-06-2018 13:29:33	0.000000	0.000000	0.716199	794.3	48.1	0	-0.031	3.097
BasinCreek062118_35	BASIN CREEK	1210702.164169	2304136.684209	21-06-2018 13:36:18	0.000000	0.000000	0.325574	795.1	48.0	0	-0.071	1.406
BasinCreek062118_36	BASIN CREEK	1210743.877805	2304440.243401	21-06-2018 13:44:40	0.000000	0.000000	0.159817	796.7	48.1	0	-0.042	0.689
BasinCreek062118_37	BASIN CREEK	1210761.775414	2304550.126514	21-06-2018 13:51:08	0.000000	0.000000	0.319751	798.4	48.2	0	-0.034	1.376
BasinCreek062118_38	BASIN CREEK	1210684.059841	2304774.789801	21-06-2018 13:57:36	0.000000	0.000000	0.215077	797.4	48.3	0	-0.06	0.927
BasinCreek062118_39	BASIN CREEK	1210807.546518	2305022.817555	21-06-2018 14:07:17	0.000000	0.000000	0.003709	796.7	48.3	0	-0.015	0.016
BasinCreek062118_40	BASIN CREEK	1210973.184906	2305015.768298	21-06-2018 14:13:55	0.000000	0.000000	0.603090	794.4	48.4	0	-0.025	2.61
BasinCreek062118_41	BASIN CREEK	1210918.40894	2304828.180704	21-06-2018 14:18:42	0.000000	0.000000	0.161375	793.7	48.4	0	-0.061	0.699
BasinCreek062118_42	BASIN CREEK	1210952.782881	2304683.083533	21-06-2018 14:23:11	0.000000	0.000000	0.117324	794.0	48.4	0	-0.067	0.508
BasinCreek062118_43	BASIN CREEK	1210916.168625	2304360.887073	21-06-2018 14:32:02	0.000000	0.000000	0.319708	793.6	48.4	0	-0.086	1.385
BasinCreek062118_44	BASIN CREEK	1210943.857317	2304168.179729	21-06-2018 14:41:03	0.000000	0.000000	0.550709	798.1	48.5	0	-0.011	2.373
BasinCreek062118_45	BASIN CREEK	1210938.044872	2304032.523043	21-06-2018 14:46:27	0.000000	0.000000	4.418156	796.0	48.5	0	-0.064	19.088
BasinCreek062118_46	BASIN CREEK	1210973.291973	2303708.323507	21-06-2018 14:55:56	0.000000	0.000000	0.249215	794.3	48.5	0	-0.038	1.079
BasinCreek062118_47	BASIN CREEK	1211009.923244	2303605.895761	21-06-2018 15:02:24	0.000000	0.000000	0.084209	791.0	48.4	0	-0.048	0.366
BasinCreek062118_48	BASIN CREEK	1210994.382341	2303436.914192	21-06-2018 15:07:29	0.000000	0.000000	0.136693	790.9	48.3	0	-0.053	0.594
BasinCreek062118_49	BASIN CREEK	1210852.282531	2303602.29703	21-06-2018 15:15:09	0.000000	0.000000	0.321522	791.0	48.3	0	-0.083	1.397

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek062518_100	BASIN CREEK	1212030.876763	2304937.443634	25-06-2018 15:43:49	0.000000	0.000000	0.385400	784.8	43.2	0	-0.044	1.661
BasinCreek062518_50	BASIN CREEK	1211393.786916	2305055.728147	25-06-2018 11:07:57	0.000000	0.002200	0.136127	790.3	29.3	0	0.009	0.557
BasinCreek062518_51	BASIN CREEK	1211244.892632	2304988.003412	25-06-2018 11:12:38	0.000000	0.002920	0.170587	790.3	30.6	0	0.012	0.701
BasinCreek062518_52	BASIN CREEK	1211174.340865	2304813.605277	25-06-2018 11:17:13	0.000000	0.003640	0.153103	791.1	31.8	0	0.015	0.631
BasinCreek062518_53	BASIN CREEK	1211144.625775	2304710.939447	25-06-2018 11:20:38	0.000000	0.003146	0.083736	791.4	32.7	0	0.013	0.346
BasinCreek062518_54	BASIN CREEK	1211294.03948	2304605.651738	25-06-2018 11:30:47	0.000000	0.005526	0.197249	791.3	34.9	0	0.023	0.821
BasinCreek062518_55	BASIN CREEK	1211312.389824	2304481.274424	25-06-2018 11:35:11	0.000000	0.005276	0.085612	792.4	35.9	0	0.022	0.357
BasinCreek062518_56	BASIN CREEK	1211177.517081	2304352.199618	25-06-2018 11:42:08	0.000000	0.000000	0.097391	796.9	36.8	0	0	0.405
BasinCreek062518_57	BASIN CREEK	1211215.341342	2304146.414946	25-06-2018 11:44:41	0.000000	0.003119	0.139399	796.9	37.5	0	0.013	0.581
BasinCreek062518_58	BASIN CREEK	1211212.124463	2303976.615832	25-06-2018 11:49:30	0.000000	0.000000	0.017218	796.3	38.3	0	-0.019	0.072
BasinCreek062518_59	BASIN CREEK	1211156.85059	2303693.754538	25-06-2018 12:00:15	0.000000	0.000000	0.000000	796.8	39.9	0	-0.015	-0.365
BasinCreek062518_60	BASIN CREEK	1211203.939311	2303548.711522	25-06-2018 12:06:25	0.000000	0.000000	0.384190	791.4	40.7	0	0	1.629
BasinCreek062518_61	BASIN CREEK	1211188.547822	2303451.084322	25-06-2018 12:13:50	0.000000	0.000000	1.091237	788.9	41.2	0	-0.042	4.649
BasinCreek062518_62	BASIN CREEK	1211327.542504	2303390.148026	25-06-2018 12:15:56	0.000000	0.000000	0.343075	788.9	41.5	0	0	1.463
BasinCreek062518_63	BASIN CREEK	1211558.114428	2303325.621888	25-06-2018 12:25:38	0.000000	0.000000	0.020088	786.3	41.7	0	0	0.086
BasinCreek062518_64	BASIN CREEK	1211604.87126	2303510.343967	25-06-2018 12:27:42	0.000000	0.000000	0.016112	786.3	41.8	-0.201	-0.024	0.069
BasinCreek062518_65	BASIN CREEK	1211379.277612	2303491.085946	25-06-2018 12:42:23	0.000000	0.000000	0.090871	788.9	41.9	0	-0.049	0.388
BasinCreek062518_66	BASIN CREEK	1211594.068546	2303731.252788	25-06-2018 12:44:10	0.000000	0.000000	0.258397	788.9	42.1	0	-0.022	1.104
BasinCreek062518_67	BASIN CREEK	1211421.593541	2303774.437988	25-06-2018 12:56:32	0.000000	0.000000	0.026069	792.6	42.5	0	-0.014	0.111
BasinCreek062518_68	BASIN CREEK	1211355.241672	2303775.400904	25-06-2018 12:59:38	0.000000	0.000000	0.307797	792.6	42.6	-1.016	-0.015	1.311
BasinCreek062518_69	BASIN CREEK	1211356.285247	2304184.899427	25-06-2018 13:09:20	0.000000	0.000000	0.195325	792.6	43.0	0	-0.015	0.833
BasinCreek062518_70	BASIN CREEK	1211486.867367	2304172.987318	25-06-2018 13:24:37	0.000000	0.000000	0.123791	794.5	43.2	0	-0.038	0.527
BasinCreek062518_71	BASIN CREEK	1211673.706698	2304207.923733	25-06-2018 13:29:06	0.000000	0.006798	0.151428	792.6	43.1	0	0.029	0.646
BasinCreek062518_72	BASIN CREEK	1211653.798437	2304366.475427	25-06-2018 13:32:06	0.000000	0.000000	0.000000	790.1	43.1	0	0	-0.136
BasinCreek062518_73	BASIN CREEK	1211729.760945	2304421.302975	25-06-2018 13:35:02	0.000000	0.000000	0.071846	791.3	43.1	0	-0.028	0.307
BasinCreek062518_74	BASIN CREEK	1211766.565337	2304589.095554	25-06-2018 13:41:13	0.000000	0.000000	0.198758	790.9	43.2	0	0	0.85

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek062518_75	BASIN CREEK	1211559.815582	2304648.827879	25-06-2018 13:47:54	0.000000	0.000000	0.408950	789.3	43.3	0	-0.071	1.753
BasinCreek062518_76	BASIN CREEK	1211527.101894	2304690.091101	25-06-2018 13:49:46	0.000000	0.000000	0.085149	789.3	43.3	0	-0.011	0.365
BasinCreek062518_77	BASIN CREEK	1211410.014098	2304758.912089	25-06-2018 13:53:35	0.000000	0.000000	0.290269	788.2	43.3	0	0	1.246
BasinCreek062518_78	BASIN CREEK	1211580.905282	2304977.693816	25-06-2018 14:00:36	0.000000	0.000000	0.116262	788.3	43.3	0	-0.064	0.499
BasinCreek062518_79	BASIN CREEK	1211759.644677	2305125.818294	25-06-2018 14:04:52	0.000000	0.000000	0.164554	788.6	43.3	0	-0.04	0.706
BasinCreek062518_80	BASIN CREEK	1211771.347752	2305017.766997	25-06-2018 14:14:02	0.000000			786.2	43.3	0		
BasinCreek062518_81	BASIN CREEK	1211795.571442	2304858.546324	25-06-2018 14:14:21	0.000000	0.000000	0.110375	786.2	43.3	0	-0.017	0.475
BasinCreek062518_82	BASIN CREEK	1211933.984608	2304827.547413	25-06-2018 14:16:48	0.000000	0.000000	0.000000	786.2	43.4	0	-0.017	-0.02
BasinCreek062518_83	BASIN CREEK	1212000.175405	2304753.357192	25-06-2018 14:20:10	11.056530	0.002554	1.252444	785.6	43.3	47.618	0.011	5.394
BasinCreek062518_84	BASIN CREEK	1211958.499592	2304572.037602	25-06-2018 14:25:15	0.000000	0.000000	0.567226	785.5	43.4	0	-0.06	2.444
BasinCreek062518_85	BASIN CREEK	1212039.707614	2304384.844494	25-06-2018 14:33:20	0.000000	0.000000	0.131023	786.0	43.3	0	-0.032	0.564
BasinCreek062518_86	BASIN CREEK	1211999.119793	2304289.304969	25-06-2018 14:38:00	0.000000	0.000000	0.243694	786.0	43.3	0	-0.033	1.049
BasinCreek062518_87	BASIN CREEK	1212189.600163	2304229.129709	25-06-2018 14:43:35	0.000000	0.000000	0.066716	787.0	43.5	0	-0.06	0.287
BasinCreek062518_88	BASIN CREEK	1212308.940192	2304138.674342	25-06-2018 14:48:18	0.000000	0.000000	0.239810	786.2	43.6	0	-0.043	1.033
BasinCreek062518_89	BASIN CREEK	1212180.542218	2304350.516041	25-06-2018 14:57:32	0.000000	0.000000	0.495021	785.1	43.7	0	-0.068	2.136
BasinCreek062518_90	BASIN CREEK	1212136.31838	2304578.166178	25-06-2018 15:00:11	0.000000	0.000000	0.350519	785.1	43.6	0	-0.072	1.512
BasinCreek062518_91	BASIN CREEK	1212220.597753	2304757.700658	25-06-2018 15:05:37	0.000000	0.000000	0.213510	784.0	43.5	0	-0.057	0.922
BasinCreek062518_92	BASIN CREEK	1212127.85721	2304921.288754	25-06-2018 15:13:54	0.000000	0.000000	0.693780	784.0	43.4	0	-0.058	2.995
BasinCreek062518_93	BASIN CREEK	1212121.31412	2305139.485802	25-06-2018 15:16:39	0.000000	0.000000	0.057003	784.0	43.3	0	-0.069	0.246
BasinCreek062518_94	BASIN CREEK	1211935.829718	2305075.212733	25-06-2018 15:22:06	0.000000	0.000000	0.268758	785.0	43.2	0	-0.052	1.158
BasinCreek062518_95	BASIN CREEK	1211943.564832	2305009.972453	25-06-2018 15:25:42	1.235893	0.006740	1.015812	785.8	43.1	5.318	0.029	4.371
BasinCreek062518_96	BASIN CREEK	1211950.64928	2304956.24325	25-06-2018 15:29:31	2.660193	0.000000	2.392454	785.6	43.0	11.446	-0.052	10.294
BasinCreek062518_97	BASIN CREEK	1211954.412926	2304921.990456	25-06-2018 15:31:58	25.284710	0.001860	1.409563	785.6	42.9	108.758	0.008	6.063
BasinCreek062518_98	BASIN CREEK	1211939.380812	2304935.9914	25-06-2018 15:35:34	3.766618	0.010683	0.841671	784.8	42.9	16.218	0.046	3.624
BasinCreek062518_99	BASIN CREEK	1211982.563596	2304903.835855	25-06-2018 15:42:37	0.000000	0.000000		784.8	43.2	0	-0.051	
BasinCreek062618_101	BASIN CREEK	1212314.194418	2304941.55803	26-06-2018 11:32:23	0.000000	0.005398	0.526897	786.3	40.2	-0.981	0.023	2.245

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek062618_102	BASIN CREEK	1212355.458777	2304768.871865	26-06-2018 11:37:00	19.141160	0.002807	1.498598	786.5	41.3	81.822	0.012	6.406
BasinCreek062618_103	BASIN CREEK	1212325.441007	2304538.963804	26-06-2018 11:41:00	0.000000	0.001398	0.697974	785.5	42.1	0	0.006	2.995
BasinCreek062618_104	BASIN CREEK	1212389.770477	2304470.606406	26-06-2018 11:45:05	0.000000	0.001161	1.360086	784.8	43.0	-0.826	0.005	5.858
BasinCreek062618_105	BASIN CREEK	1212394.508453	2304392.650391	26-06-2018 11:48:41	0.000000	0.001391	0.696227	785.4	43.8	-0.001	0.006	3.004
BasinCreek062618_106	BASIN CREEK	1212586.50616	2304178.22125	26-06-2018 11:54:19	0.000000	0.001852	0.055330	786.5	44.6	-0.258	0.008	0.239
BasinCreek062618_107	BASIN CREEK	1212720.438926	2304149.646028	26-06-2018 11:59:42	0.000000	0.002768	0.070573	785.0	45.2	-3.614	0.012	0.306
BasinCreek062618_108	BASIN CREEK	1212744.528399	2304036.323596	26-06-2018 12:03:50	0.000000	0.005285	0.087771	782.8	45.5	-0.757	0.023	0.382
BasinCreek062618_109	BASIN CREEK	1212862.902445	2303978.913275	26-06-2018 12:07:41	0.000000	0.002982	0.177799	782.1	45.7	-1.465	0.013	0.775
BasinCreek062618_110	BASIN CREEK	1212950.848917	2304077.37818	26-06-2018 12:11:58	0.000000	0.002748	0.158475	781.2	45.9	-1.179	0.012	0.692
BasinCreek062618_111	BASIN CREEK	1213112.870538	2304143.118097	26-06-2018 12:16:26	0.000000	0.002516	0.076631	780.8	46.1	-0.482	0.011	0.335
BasinCreek062618_112	BASIN CREEK	1213123.741977	2304114.415169	26-06-2018 12:18:41	0.000000	0.002056	0.074029	779.9	46.1	-0.965	0.009	0.324
BasinCreek062618_113	BASIN CREEK	1213062.069527	2303991.100203	26-06-2018 12:22:27	0.000000	0.001370	0.050216	779.6	46.3	-0.932	0.006	0.22
BasinCreek062618_114	BASIN CREEK	1213133.765935	2303916.913781	26-06-2018 12:25:45	0.000000	0.001824	0.032151	779.3	46.5	-0.002	0.008	0.141
BasinCreek062618_115	BASIN CREEK	1213309.302758	2303951.042758	26-06-2018 12:30:41	0.000000	0.002048	0.121943	778.5	46.9	-1.3	0.009	0.536
BasinCreek062618_116	BASIN CREEK	1213370.12105	2304111.766229	26-06-2018 12:34:52	0.000000	0.001587	0.102024	776.3	47.1	0	0.007	0.45
BasinCreek062618_117	BASIN CREEK	1213487.337635	2304168.974748	26-06-2018 12:38:47	0.000000	0.002268	0.281475	777.1	47.3	-1.619	0.01	1.241
BasinCreek062618_118	BASIN CREEK	1213531.40408	2303947.777874	26-06-2018 12:43:19	0.000000	0.004302	0.696712	776.5	47.6	-1.368	0.019	3.077
BasinCreek062618_119	BASIN CREEK	1213541.474812	2303837.547693	26-06-2018 12:47:55	0.000000	0.001583	0.112872	776.2	47.8	-1.173	0.007	0.499
BasinCreek062618_120	BASIN CREEK	1213696.655106	2303726.732658	26-06-2018 12:53:27	0.000000	0.003162	0.021232	775.8	48.1	-1.553	0.014	0.094
BasinCreek062618_121	BASIN CREEK	1213782.396308	2303898.046191	26-06-2018 12:59:18	0.000000	0.002479	0.159364	774.7	48.3	-2.912	0.011	0.707
BasinCreek062618_122	BASIN CREEK	1213944.728309	2303943.844018	26-06-2018 13:02:10	0.000000	0.002251	0.066843	773.5	48.3	-0.539	0.01	0.297
BasinCreek062618_123	BASIN CREEK	1213952.37623	2304124.40884	26-06-2018 13:06:22	0.000000	0.002478	0.155894	774.5	48.4	-2.012	0.011	0.692
BasinCreek062618_124	BASIN CREEK	1213804.367463	2304107.139149	26-06-2018 13:09:29	0.000000	0.003830	0.425836	774.6	48.4	-3.383	0.017	1.89
BasinCreek062618_125	BASIN CREEK	1213785.13153	2304311.718312	26-06-2018 13:15:26	0.000000	0.002253	0.065119	774.9	48.5	-0.642	0.01	0.289
BasinCreek062618_126	BASIN CREEK	1213679.307884	2304316.214492	26-06-2018 13:21:02	0.000000	0.002485	0.124033	777.2	48.6	-0.572	0.011	0.549
BasinCreek062618_127	BASIN CREEK	1213528.576236	2304473.527398	26-06-2018 13:27:43	0.000000	0.002938	0.148008	777.1	48.5	-1.279	0.013	0.655

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek062618_128	BASIN CREEK	1213413.520072	2304426.74584	26-06-2018 13:34:17	0.000000	0.003166	0.207850	777.8	48.5	0	0.014	0.919
BasinCreek062618_129	BASIN CREEK	1213388.049213	2304563.434941	26-06-2018 13:38:59	0.000000	0.002262	1.160643	778.0	48.6	-0.854	0.01	5.132
BasinCreek062618_130	BASIN CREEK	1213470.645945	2304714.809288	26-06-2018 13:42:36	0.000000	0.002037	0.269095	778.8	48.7	-0.875	0.009	1.189
BasinCreek062618_131	BASIN CREEK	1213572.470006	2304745.951501	26-06-2018 13:45:07	0.000000	0.001362	0.117792	781.0	48.7	-1.561	0.006	0.519
BasinCreek062618_132	BASIN CREEK	1213429.16682	2304789.935172	26-06-2018 13:47:47	0.000000	0.001135	0.154758	781.1	48.8	-2.065	0.005	0.682
BasinCreek062618_133	BASIN CREEK	1213402.909523	2304775.440341	26-06-2018 13:50:20	0.579740	0.009988	0.594949	781.6	48.9	2.554	0.044	2.621
BasinCreek062618_134	BASIN CREEK	1213202.054771	2304610.573325	26-06-2018 13:56:44	0.000000	0.003626	0.241790	781.0	49.2	0	0.016	1.067
BasinCreek062618_135	BASIN CREEK	1213134.63922	2304397.777514	26-06-2018 14:01:15	0.000000	0.001583	0.000000	779.3	49.2	0	0.007	-0.425
BasinCreek062618_136	BASIN CREEK	1213140.579831	2304709.35395	26-06-2018 14:05:52	2.419764	0.002712	2.514909	778.9	49.2	10.707	0.012	11.128
BasinCreek062618_137	BASIN CREEK	1213148.555816	2304751.577138	26-06-2018 14:08:21	0.000000	0.000226	1.205586	779.9	49.1	0	0.001	5.326
BasinCreek062618_138	BASIN CREEK	1213031.748513	2304816.400112	26-06-2018 14:12:02	3.666853	0.002944	3.671155	780.3	49.1	16.191	0.013	16.21
BasinCreek062618_139	BASIN CREEK	1213002.590619	2304840.544541	26-06-2018 14:14:21	0.000000	0.005439	1.130092	781.0	49.2	-4.703	0.024	4.987
BasinCreek062618_140	BASIN CREEK	1212979.778363	2304882.511369	26-06-2018 14:16:53	0.000000	0.002947	1.864575	781.4	49.2	0	0.013	8.224
BasinCreek062618_141	BASIN CREEK	1212917.173536	2304810.827213	26-06-2018 14:20:06	0.000000	0.002947	0.707566	781.6	49.3	-1.386	0.013	3.121
BasinCreek062618_142	BASIN CREEK	1212968.826293	2304609.996542	26-06-2018 14:24:02	1.988812	0.002716	0.735055	780.7	49.5	8.788	0.012	3.248
BasinCreek062618_143	BASIN CREEK	1212959.257765	2304441.249435	26-06-2018 14:28:29	0.000000	0.004968	0.398772	779.2	49.6	0	0.022	1.766
BasinCreek062618_144	BASIN CREEK	1212801.920946	2304384.967874	26-06-2018 14:32:06	0.000000	0.003162	0.150210	779.7	49.7	-0.742	0.014	0.665
BasinCreek062618_145	BASIN CREEK	1212780.149828	2304501.233193	26-06-2018 14:35:13	0.000000	0.001583	0.856731	780.7	49.7	-0.004	0.007	3.788
BasinCreek062618_146	BASIN CREEK	1212748.297678	2304710.387119	26-06-2018 14:38:33	0.000000	0.001582	0.095151	780.4	49.8	-1.253	0.007	0.421
BasinCreek062618_147	BASIN CREEK	1212622.512972	2304732.217679	26-06-2018 14:41:09	0.000000	0.001584	0.151880	781.8	49.9	-3.142	0.007	0.671
BasinCreek062618_148	BASIN CREEK	1212582.891592	2304585.038902	26-06-2018 14:44:22	0.000000	0.002264	1.285534	782.0	49.9	0	0.01	5.678
BasinCreek062618_149	BASIN CREEK	1212615.68654	2304471.104584	26-06-2018 14:47:10	0.000000	0.001131	0.622240	781.2	50.0	0	0.005	2.752
BasinCreek062818_01	BASIN CREEK	1212334.525453	2305079.917013	28-06-2018 12:04:50	0.000000	0.000953	0.456096	785.2	35.2	-4.135	0.004	1.915
BasinCreek062818_02	BASIN CREEK	1212541.329081	2305098.413232	28-06-2018 12:12:05	0.000000	0.000000	0.165142	785.2	37.7	0	-0.001	0.699
BasinCreek062818_03	BASIN CREEK	1212680.933332	2305062.609784	28-06-2018 12:18:16	0.000000	0.000235	0.243117	784.7	39.3	-0.705	0.001	1.035
BasinCreek062818_04	BASIN CREEK	1212512.050384	2304972.266774	28-06-2018 12:23:08	0.000000	0.001168	0.151807	783.2	40.5	-1.011	0.005	0.65

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek062818_05	BASIN CREEK	1212716.699254	2304961.5881	28-06-2018 12:29:14	0.000000	0.002096	0.038423	783.9	41.7	-1.045	0.009	0.165
BasinCreek062818_06	BASIN CREEK	1212736.171543	2305118.322573	28-06-2018 12:34:36	0.000000	0.002316	0.450309	782.0	42.6	0	0.01	1.944
BasinCreek062818_07	BASIN CREEK	1212771.887651	2305304.884264	28-06-2018 12:42:09	10.159070	0.002080	2.132548	782.8	43.6	43.951	0.009	9.226
BasinCreek062818_09	BASIN CREEK	1212913.312279	2305323.436424	28-06-2018 12:46:12	6.554114	0.002314	1.325772	784.7	44.0	28.322	0.01	5.729
BasinCreek062818_11	BASIN CREEK	1213172.110358	2305054.318754	28-06-2018 13:30:28	0.000000	0.003888	0.062667	783.6	47.3	-1.074	0.017	0.274
BasinCreek062818_12	BASIN CREEK	1213205.905486	2304941.575169	28-06-2018 13:33:12	0.000000	0.006353	0.102556	781.5	49.0	0	0.028	0.452
BasinCreek062818_13	BASIN CREEK	1213383.829599	2304929.4254	28-06-2018 13:42:00	0.000000	0.003174	0.044435	781.6	49.3	-0.612	0.014	0.196
BasinCreek062818_14	BASIN CREEK	1213535.465408	2305011.378246	28-06-2018 13:48:39	0.000000	0.004306	0.135758	781.6	49.4	-0.992	0.019	0.599
BasinCreek062818_15	BASIN CREEK	1213582.030571	2305099.478253	28-06-2018 13:51:55	0.000000	0.002261	1.493030	779.9	49.4	0	0.01	6.602
BasinCreek062818_16	BASIN CREEK	1213768.08991	2304951.797024	28-06-2018 13:56:14	0.000000	0.002715	0.057241	780.0	49.3	-1.186	0.012	0.253
BasinCreek062818_17	BASIN CREEK	1213682.154145	2305031.962653	28-06-2018 14:00:37	0.000000	0.003395	0.121532	780.0	49.2	-1.494	0.015	0.537
BasinCreek062818_18	BASIN CREEK	1213663.477281	2305117.884419	28-06-2018 14:04:38	0.000000	0.001357	0.566941	779.4	49.2	0	0.006	2.507
BasinCreek062818_19	BASIN CREEK	1213787.249732	2305093.332209	28-06-2018 14:08:21	0.000000	0.000000	0.126567	780.1	49.1	0	-0.014	0.559
BasinCreek062818_20	BASIN CREEK	1213772.286192	2305335.020832	28-06-2018 14:13:02	0.000000	0.003621	0.127850	779.4	49.0	-1.987	0.016	0.565
BasinCreek062818_21	BASIN CREEK	1213599.207695	2305386.481785	28-06-2018 14:18:23	5.449372	0.002948	1.112593	781.2	49.1	24.034	0.013	4.907
BasinCreek062818_22	BASIN CREEK	1213524.212934	2305495.988688	28-06-2018 14:22:21	0.000000	0.003178	2.756301	782.0	49.1	-0.103	0.014	12.144
BasinCreek062818_23	BASIN CREEK	1213398.901215	2305540.211715	28-06-2018 14:26:35	0.000000	0.000000	1.233139	783.6	49.1	0	-0.009	5.422
BasinCreek062818_24	BASIN CREEK	1213332.160185	2305348.750985	28-06-2018 14:30:30	18.247760	0.002953	4.758103	782.7	49.1	80.326	0.013	20.945
BasinCreek062818_25	BASIN CREEK	1213369.768939	2305163.893584	28-06-2018 14:35:54	0.000000	0.006580	0.155640	781.7	49.1	-2.473	0.029	0.686
BasinCreek062818_26	BASIN CREEK	1213597.96949	2305728.919629	28-06-2018 14:46:57	0.000000	0.006828	0.280396	784.4	49.2	0	0.03	1.232
BasinCreek062818_27	BASIN CREEK	1213492.510039	2305861.637004	28-06-2018 14:50:59	0.000000	0.004325	0.345740	784.7	49.3	-0.001	0.019	1.519
BasinCreek062818_28	BASIN CREEK	1213481.262893	2305711.425377	28-06-2018 14:54:26	0.000000	0.010242	0.221908	784.9	49.4	-0.001	0.045	0.975
BasinCreek062818_29	BASIN CREEK	1213417.153634	2305710.826823	28-06-2018 14:57:09	1.474476	0.003635	1.365651	783.5	49.4	6.49	0.016	6.011
BasinCreek062818_30	BASIN CREEK	1213318.690215	2305747.756049	28-06-2018 15:00:03	0.000000	0.003408	0.485117	783.6	49.4	0	0.015	2.135
BasinCreek062818_31	BASIN CREEK	1213275.332664	2305774.124815	28-06-2018 15:02:20	0.000000	0.002955	0.272053	783.8	49.4	-0.685	0.013	1.197
BasinCreek062818_32	BASIN CREEK	1213176.714532	2305895.07836	28-06-2018 15:04:53	0.000000	0.005230	0.175562	784.5	49.5	-0.483	0.023	0.772

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek062818_33	BASIN CREEK	1213141.180263	2305752.877676	28-06-2018 15:07:58	0.000000	0.001591	0.020689	784.3	49.5	0	0.007	0.091
BasinCreek062818_34	BASIN CREEK	1213169.819242	2305576.899517	28-06-2018 15:11:02	6.290681	0.003406	8.242868	783.5	49.6	27.706	0.015	36.304
BasinCreek062818_35	BASIN CREEK	1213160.633783	2305429.239363	28-06-2018 15:13:57	0.000000	0.001364	0.417398	784.5	49.6	-1.696	0.006	1.836
BasinCreek062818_36	BASIN CREEK	1213270.417969	2305388.36074	28-06-2018 15:18:03	16.531860	0.003635	7.486066	783.9	49.6	72.774	0.016	32.954
BasinCreek062818_37	BASIN CREEK	1212938.815485	2305793.771499	28-06-2018 15:26:08	0.000000	0.004759	0.376664	782.3	49.7	-0.071	0.021	1.662
BasinCreek062818_38	BASIN CREEK	1212948.572734	2305591.202766	28-06-2018 15:30:19	0.000000	0.006828	0.109243	785.6	49.7	-0.336	0.03	0.48
BasinCreek062818_39	BASIN CREEK	1212841.861964	2305502.132644	28-06-2018 15:33:46	84.438180	0.004330	2.096375	786.4	49.6	370.519	0.019	9.199
BasinCreek062818_40	BASIN CREEK	1212791.291793	2305498.636002	28-06-2018 15:36:19	2.410981	0.002505	1.870349	785.6	49.5	10.587	0.011	8.213
BasinCreek062818_41	BASIN CREEK	1212825.415862	2305593.471234	28-06-2018 15:39:55	0.000000	0.001595	0.236501	785.5	49.3	-0.591	0.007	1.038
BasinCreek062818_42	BASIN CREEK	1212813.895765	2305662.815053	28-06-2018 15:42:24	0.000000	0.004569	0.206532	787.4	49.2	0	0.02	0.904
BasinCreek062818_43	BASIN CREEK	1212577.537502	2305739.428375	28-06-2018 15:48:24	1.238791	0.003425	0.538217	787.0	49.2	5.425	0.015	2.357
BasinCreek062818_44	BASIN CREEK	1212417.34315	2305577.199078	28-06-2018 15:52:56	0.000000	0.001368	0.091405	785.6	49.2	-2.248	0.006	0.401
BasinCreek062818_45	BASIN CREEK	1212516.44307	2305558.336214	28-06-2018 15:55:58	0.000000	0.002732	0.043034	784.5	49.1	-1.4	0.012	0.189
BasinCreek062818_46	BASIN CREEK	1212539.784191	2305412.914184	28-06-2018 15:58:59	0.000000	0.003412	0.119651	783.5	49.0	0	0.015	0.526
BasinCreek062818_47	BASIN CREEK	1212349.07971	2305312.536428	28-06-2018 16:03:38	0.000000	0.003641	0.217333	783.6	48.9	0	0.016	0.955
BasinCreek062918_48	BASIN CREEK	1212157.981802	2305560.02852	29-06-2018 11:49:40	0.000000	0.001447	0.192678	787.8	32.4	-0.103	0.006	0.799
BasinCreek062918_49	BASIN CREEK	1212300.515091	2305774.322509	29-06-2018 11:53:24	0.000000	0.001201	0.175414	788.6	33.8	-0.564	0.005	0.73
BasinCreek062918_50	BASIN CREEK	1212326.141558	2305928.210922	29-06-2018 11:56:44	0.000000	0.006220	0.382277	787.9	34.9	-0.047	0.026	1.598
BasinCreek062918_51	BASIN CREEK	1212450.396323	2306040.161783	29-06-2018 12:00:21	0.000000	0.001909	0.166584	788.6	35.9	0	0.008	0.698
BasinCreek062918_52	BASIN CREEK	1212765.096021	2306000.586216	29-06-2018 12:07:40	0.000000	0.003340	0.321819	792.1	37.4	-1.89	0.014	1.349
BasinCreek062918_53	BASIN CREEK	1212900.045249	2306036.652668	29-06-2018 12:11:21	0.000000	0.001658	0.376286	788.3	38.2	-1.197	0.007	1.589
BasinCreek062918_54	BASIN CREEK	1212985.814412	2306113.303314	29-06-2018 12:18:16	0.000000	0.000000	0.039092	787.2	39.5	-1.27	-0.008	0.166
BasinCreek062918_55	BASIN CREEK	1213302.83766	2305981.341995	29-06-2018 12:24:17	0.000000	0.001175	0.077813	788.1	40.4	-1.108	0.005	0.331
BasinCreek062918_56	BASIN CREEK	1213283.69672	2306121.925622	29-06-2018 12:27:31	0.000000	0.001638	0.125922	785.9	40.9	-0.942	0.007	0.538
BasinCreek062918_57	BASIN CREEK	1213204.944619	2306200.309115	29-06-2018 12:29:47	0.000000	0.000469	0.066535	787.4	41.2	-1.105	0.002	0.284
BasinCreek062918_98	BASIN CREEK	1213681.87969	2306188.584223	29-06-2018 14:52:07	0.000000	0.003887	0.091923	785.4	48.1	-1.709	0.017	0.402

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BasinCreek062918_99	BASIN CREEK	1213630.158261	2306143.94713	29-06-2018 14:54:45	0.000000	0.000688	0.163212	787.1	48.0	-2.476	0.003	0.712
BasinCreek062818_10	BC	1213047.740375	2305229.411499	28-06-2018 13:02:42	0.000000	0.004149	0.191756	786.2	45.9	-3.891	0.018	0.832
CarbonJunction061818_38	CARBON JUNCT	1214001.008655	2308240.655915	18-06-2018 12:59:47	0.000000	0.000701	0.006078	790.5	43.1	-0.176	0.003	0.026
CarbonJunction061818_39	CARBON JUNCT	1214146.416493	2308066.646823	18-06-2018 13:06:47	0.000000	0.006318	0.152809	791.0	43.0	-1.23	0.027	0.653
CarbonJunction061818_40	CARBON JUNCT	1214192.86281	2307884.428648	18-06-2018 13:13:07	0.000000	0.004453	0.333033	791.7	42.8	-2.013	0.019	1.421
CarbonJunction061818_41	CARBON JUNCT	1214325.703427	2307815.572028	18-06-2018 13:17:48	0.000000	0.003739	0.062635	789.5	42.8	-1.798	0.016	0.268
CarbonJunction061818_42	CARBON JUNCT	1214524.182533	2307747.048239	18-06-2018 13:23:37	0.000000	0.005587	0.538029	787.2	43.1	-0.907	0.024	2.311
CarbonJunction061818_43	CARBON JUNCT	1214596.590525	2307607.783286	18-06-2018 13:27:14	0.000000	0.002788	0.639248	786.2	43.3	0	0.012	2.751
CarbonJunction061818_44	CARBON JUNCT	1214706.04714	2307581.448509	18-06-2018 13:30:48	0.000000	0.003243	0.574447	784.2	43.5	-1.519	0.014	2.48
CarbonJunction061818_45	CARBON JUNCT	1214857.151847	2307442.494279	18-06-2018 13:34:56	0.000000	0.000926	0.056009	783.8	43.6	-0.858	0.004	0.242
CarbonJunction061818_46	CARBON JUNCT	1214911.262258	2307345.081909	18-06-2018 13:40:27	11.898290	0.015009	80.465160	782.0	43.6	51.528	0.065	348.471
CarbonJunction061818_47	CARBON JUNCT	1215138.437931	2307028.154137	18-06-2018 13:46:48	0.000000	0.005766	0.198111	781.3	43.7	-1.008	0.025	0.859
CarbonJunction061818_48	CARBON JUNCT	1215115.012981	2307002.049197	18-06-2018 13:48:46	0.000000	0.006663	3.391682	778.1	43.6	-0.347	0.029	14.762
CarbonJunction061818_49	CARBON JUNCT	1215206.661373	2306851.198877	18-06-2018 13:52:44	0.000000	0.007817	0.942207	778.4	43.5	-3.699	0.034	4.098
CarbonJunction061818_50	CARBON JUNCT	1215304.98296	2306753.902921	18-06-2018 13:56:19	0.687908	0.002994	1.175454	779.2	43.3	2.987	0.013	5.104
CarbonJunction061818_51	CARBON JUNCT	1215249.736959	2306736.455131	18-06-2018 13:59:27	0.000000	0.003918	1.341830	779.3	43.1	-49.62	0.017	5.822
CarbonJunction061818_52	CARBON JUNCT	1215265.514502	2306660.033188	18-06-2018 14:02:44	0.000000	0.002074	0.036869	778.9	43.0	-1.234	0.009	0.16
CarbonJunction061818_53	CARBON JUNCT	1215377.104751	2306694.484815	18-06-2018 14:08:20	0.000000	0.004614	0.221236	779.3	42.8	-0.562	0.02	0.959
CarbonJunction061818_54	CARBON JUNCT	1215416.935821	2306849.837265	18-06-2018 14:12:36	0.000000	0.003238	0.154056	780.9	42.6	-1.172	0.014	0.666
CarbonJunction061818_55	CARBON JUNCT	1215408.410801	2306941.917361	18-06-2018 14:15:50	0.000000	0.006714	0.810553	781.1	42.4	-0.344	0.029	3.501
CarbonJunction061818_56	CARBON JUNCT	1215383.81145	2307002.172507	18-06-2018 14:19:05	4.365179	0.005791	1.430507	781.2	42.3	18.846	0.025	6.176
CarbonJunction061818_57	CARBON JUNCT	1215362.821876	2307031.052594	18-06-2018 14:21:42	10.969450	0.003243	5.323254	781.1	42.2	47.35	0.014	22.978
CarbonJunction061818_58	CARBON JUNCT	1215418.80281	2307027.170036	18-06-2018 14:24:29	0.000000	0.006253	0.377753	780.9	42.2	-1.215	0.027	1.631
CarbonJunction061818_59	CARBON JUNCT	1215380.422419	2307169.599685	18-06-2018 14:27:54	0.000000	0.004173	0.139331	781.9	42.3	-2.526	0.018	0.601
CarbonJunction061818_60	CARBON JUNCT	1215419.677367	2307143.417754	18-06-2018 14:30:22	0.000000	0.004407	0.142408	782.5	42.4	0	0.019	0.614
CarbonJunction061918_77	CARBON JUNCT	1214974.462753	2308278.397481	19-06-2018 11:27:21	0.000000	0.006384	0.127205	793.4	40.7	-0.017	0.027	0.538

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CarbonJunction061918_78	CARBON JUNCT	1214953.814883	2308158.745596	19-06-2018 11:30:33	0.000000	0.007535	0.271950	791.1	41.1	-2.792	0.032	1.155
CarbonJunction061918_79	CARBON JUNCT	1215006.752033	2307945.065197	19-06-2018 11:35:07	0.000000	0.007513	0.271644	790.1	41.6	-1.945	0.032	1.157
CarbonJunction061918_80	CARBON JUNCT	1215055.17085	2307785.99251	19-06-2018 11:38:11	0.000000	0.005614	0.525889	788.0	41.9	-0.816	0.024	2.248
CarbonJunction061918_81	CARBON JUNCT	1215197.214193	2307736.260589	19-06-2018 11:41:12	0.000000	0.003504	0.103950	787.6	42.2	-1.268	0.015	0.445
CarbonJunction061918_82	CARBON JUNCT	1215170.480889	2307594.8338	19-06-2018 11:44:21	0.000000	0.003730	0.205833	786.7	42.5	-0.696	0.016	0.883
CarbonJunction061918_83	CARBON JUNCT	1215151.794145	2307418.108209	19-06-2018 11:47:51	0.000000	0.001861	0.166322	785.8	42.8	-0.997	0.008	0.715
CarbonJunction061918_84	CARBON JUNCT	1215361.210327	2307344.20683	19-06-2018 11:51:22	0.000000	0.004637	0.138174	783.9	43.1	-0.41	0.02	0.596
CarbonJunction061918_85	CARBON JUNCT	1215357.217766	2307495.690199	19-06-2018 11:53:46	0.000000	0.005554	0.329316	783.0	43.3	-3.702	0.024	1.423
CarbonJunction061918_86	CARBON JUNCT	1214987.502598	2307535.900626	19-06-2018 11:57:59	0.000000	0.004170	1.291049	784.3	43.5	-0.491	0.018	5.573
CarbonJunction061918_87	CARBON JUNCT	1214731.561831	2307812.523737	19-06-2018 12:04:07	0.000000	0.008341	0.063951	784.7	43.6	-0.995	0.036	0.276
CarbonJunction061918_88	CARBON JUNCT	1214577.325748	2308008.168024	19-06-2018 12:11:08	0.000000	0.004409	0.196078	785.6	43.5	-0.946	0.019	0.845
CarbonJunction061918_89	CARBON JUNCT	1214693.532576	2308038.804123	19-06-2018 12:13:56	0.000000	0.002562	0.120395	787.9	43.3	-1.722	0.011	0.517
CarbonJunction061918_90	CARBON JUNCT	1214560.677608	2308098.045097	19-06-2018 12:17:03	0.000000	0.005126	0.173821	788.1	43.2	-1.134	0.022	0.746
CarbonJunction061918_91	CARBON JUNCT	1214385.232547	2307965.959099	19-06-2018 12:20:35	0.000000	0.004665	0.374376	788.7	43.1	-1.9	0.02	1.605
CarbonJunction061918_92	CARBON JUNCT	1214386.250657	2308114.185994	19-06-2018 12:24:04	0.000000	0.005831	0.115447	788.6	43.1	-5.992	0.025	0.495
CarbonJunction061918_93	CARBON JUNCT	1214254.426456	2308182.529015	19-06-2018 12:27:25	0.000000	0.006546	0.208071	790.5	43.1	-0.984	0.028	0.89
CarbonJunction061918_94	CARBON JUNCT	1214195.231897	2308330.450889	19-06-2018 12:30:52	0.000000	0.007723	0.287616	791.3	43.1	-0.796	0.033	1.229
CarbonJunction061918_95	CARBON JUNCT	1214329.516376	2308358.51564	19-06-2018 12:34:03	0.000000	0.003984	0.552562	792.6	43.2	-1.102	0.017	2.358
CarbonJunction061918_96	CARBON JUNCT	1214525.929429	2308409.246602	19-06-2018 12:37:26	0.000000	0.003520	0.074617	793.9	43.3	-1.238	0.015	0.318
CarbonJunction061918_97	CARBON JUNCT	1214780.634878	2308183.344609	19-06-2018 12:43:51	0.000000	0.003754	0.311080	794.5	43.6	-2.161	0.016	1.326
BasinCreek062918_58	CARBON JUNCT	1213162.493853	2306320.120565	29-06-2018 12:32:11	0.000000	0.000000	0.000000	787.0	41.5	-0.577	-0.001	-0.022
BasinCreek062918_59	CARBON JUNCT	1213284.504352	2306494.369498	29-06-2018 12:37:40	0.000000	0.014958	0.523519	787.5	42.0	0	0.064	2.24
BasinCreek062918_60	CARBON JUNCT	1213344.181629	2306379.622772	29-06-2018 12:40:50	0.000000	0.005151	0.210729	789.7	42.3	0	0.022	0.9
BasinCreek062918_61	CARBON JUNCT	1213549.095026	2306401.585635	29-06-2018 12:46:45	0.000000	0.001168	0.030597	789.0	42.8	0	0.005	0.131
BasinCreek062918_62	CARBON JUNCT	1213603.114115	2306531.092277	29-06-2018 12:50:07	0.000000	0.001860	0.117886	786.2	43.1	0	0.008	0.507
BasinCreek062918_63	CARBON JUNCT	1213675.954981	2306611.607545	29-06-2018 12:53:48	0.000000	0.001625	0.108905	785.9	43.4	-1.827	0.007	0.469

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek062918_64	CARBON JUNCT	1213814.482885	2306432.874585	29-06-2018 12:58:40	0.000000	0.003011	0.072038	785.2	43.9	-0.2	0.013	0.311
BasinCreek062918_65	CARBON JUNCT	1213958.356091	2306539.754464	29-06-2018 13:03:55	0.000000	0.000926	0.050443	785.6	44.4	-0.302	0.004	0.218
BasinCreek062918_66	CARBON JUNCT	1213949.174279	2306684.489344	29-06-2018 13:07:24	0.000000	0.005303	0.360813	783.5	44.7	-0.579	0.023	1.565
BasinCreek062918_67	CARBON JUNCT	1214089.286892	2306779.575902	29-06-2018 13:11:02	0.000000	0.002763	0.246411	783.6	45.1	-0.001	0.012	1.07
BasinCreek062918_68	CARBON JUNCT	1214241.189911	2306874.685594	29-06-2018 13:14:46	0.000000	0.002527	0.290331	782.3	45.4	-0.095	0.011	1.264
BasinCreek062918_69	CARBON JUNCT	1214414.468158	2306938.190662	29-06-2018 13:18:21	0.000000	0.000458	0.272674	780.9	45.6	-0.787	0.002	1.19
BasinCreek062918_70	CARBON JUNCT	1214341.838069	2307024.115726	29-06-2018 13:20:57	0.000000	0.002060	0.294298	780.4	45.8	-0.707	0.009	1.286
BasinCreek062918_71	CARBON JUNCT	1214394.296023	2307117.316547	29-06-2018 13:24:13	0.475673	0.001145	0.419132	781.1	46.0	2.078	0.005	1.831
BasinCreek062918_72	CARBON JUNCT	1214292.56636	2307305.091957	29-06-2018 13:28:30	0.000000	0.001827	0.068973	780.3	46.4	-0.808	0.008	0.302
BasinCreek062918_73	CARBON JUNCT	1214432.555341	2307384.788201	29-06-2018 13:31:55	0.000000	0.002968	0.135595	780.4	46.6	0	0.013	0.594
BasinCreek062918_74	CARBON JUNCT	1214598.77067	2307393.118571	29-06-2018 13:35:03	0.000000	0.009112	0.096364	779.3	46.8	-1.226	0.04	0.423
BasinCreek062918_75	CARBON JUNCT	1214707.068974	2307390.106612	29-06-2018 13:38:53	0.000000	0.001138	0.089690	779.2	47.0	-0.399	0.005	0.394
BasinCreek062918_76	CARBON JUNCT	1214787.815629	2307203.975961	29-06-2018 13:44:33	0.000000	0.000909	0.141797	778.8	47.4	0	0.004	0.624
BasinCreek062918_77	CARBON JUNCT	1214858.365428	2307321.287681	29-06-2018 13:47:10	0.000000	0.002721	0.395614	777.0	47.4	-1.37	0.012	1.745
BasinCreek062918_78	CARBON JUNCT	1214896.132046	2307239.046034	29-06-2018 13:49:57	12.821920	0.002268	2.429581	777.5	47.5	56.537	0.01	10.713
BasinCreek062918_79	CARBON JUNCT	1214940.490092	2307157.886638	29-06-2018 13:52:16	0.000000	0.000227	0.467110	777.0	47.5	-0.962	0.001	2.061
BasinCreek062918_80	CARBON JUNCT	1214953.353853	2306981.090394	29-06-2018 13:55:36	0.000000	0.003623	0.080608	776.5	47.6	-1.602	0.016	0.356
BasinCreek062918_81	CARBON JUNCT	1214921.249704	2306743.361661	29-06-2018 13:59:15	0.000000	0.002263	0.326755	776.5	47.8	-0.916	0.01	1.444
BasinCreek062918_82	CARBON JUNCT	1214963.546753	2306595.638338	29-06-2018 14:02:34	0.000000	0.004308	0.215386	778.0	47.8	-0.695	0.019	0.95
BasinCreek062918_83	CARBON JUNCT	1214835.365064	2306580.468838	29-06-2018 14:05:53	0.000000	0.003628	0.214534	778.2	47.8	-0.788	0.016	0.946
BasinCreek062918_84	CARBON JUNCT	1214768.785199	2306783.805572	29-06-2018 14:09:32	0.805072	0.003634	0.984936	779.3	47.8	3.545	0.016	4.337
BasinCreek062918_85	CARBON JUNCT	1214722.442049	2306913.333059	29-06-2018 14:14:04	0.000000	0.002951	0.437852	778.9	47.8	-0.988	0.013	1.929
BasinCreek062918_86	CARBON JUNCT	1214645.830665	2307050.6727	29-06-2018 14:17:27	0.000000	0.001133	0.142019	777.5	47.9	-1.368	0.005	0.627
BasinCreek062918_87	CARBON JUNCT	1214602.408618	2306871.93378	29-06-2018 14:20:34	0.516858	0.002493	0.909544	777.8	47.9	2.281	0.011	4.014
BasinCreek062918_88	CARBON JUNCT	1214524.005567	2306830.719309	29-06-2018 14:23:04	0.000000	0.001361	0.110209	778.4	47.9	-0.508	0.006	0.486
BasinCreek062918_89	CARBON JUNCT	1214412.088005	2306761.332479	29-06-2018 14:25:28	0.000000	0.006128	0.268947	779.3	48.0	-0.544	0.027	1.185

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek062918_90	CARBON JUNCT	1214501.956706	2306722.360507	29-06-2018 14:27:48	0.000000	0.001138	0.148661	781.7	48.0	-0.606	0.005	0.653
BasinCreek062918_91	CARBON JUNCT	1214547.087927	2306571.331615	29-06-2018 14:30:42	0.000000	0.002045	0.026814	780.5	48.1	-0.525	0.009	0.118
BasinCreek062918_92	CARBON JUNCT	1214464.154369	2306542.513456	29-06-2018 14:33:00	0.000000	0.001593	0.163387	781.6	48.1	-0.713	0.007	0.718
BasinCreek062918_93	CARBON JUNCT	1214545.115833	2306378.282572	29-06-2018 14:35:55	0.000000	0.008195	0.301386	782.1	48.2	-0.355	0.036	1.324
BasinCreek062918_94	CARBON JUNCT	1214418.343445	2306366.032003	29-06-2018 14:38:17	0.000000	0.000910	0.046880	781.9	48.2	-1.628	0.004	0.206
BasinCreek062918_95	CARBON JUNCT	1214227.928632	2306597.435723	29-06-2018 14:42:02	0.000000	0.006607	0.314870	782.8	48.2	-0.695	0.029	1.382
BasinCreek062918_96	CARBON JUNCT	1214100.585983	2306429.936629	29-06-2018 14:44:45	0.000000	0.001369	0.224548	783.8	48.1	-0.627	0.006	0.984
BasinCreek062918_97	CARBON JUNCT	1213967.831946	2306433.31062	29-06-2018 14:47:16	0.000000	0.001142	0.225291	784.8	48.1	-1.055	0.005	0.986
CarbonJunction070218_48	CARBON JUNCT	1215728.424289	2310694.643894	02-07-2018 14:37:02	0.000000	0.004441	0.363195	805.5	49.2	0	0.019	1.554
CarbonJunction070218_50	CARBON JUNCT	1215763.673076	2310903.953289	02-07-2018 14:44:59	0.605580	0.025028	0.691891	806.4	49.3	2.589	0.107	2.958
CarbonJunction070218_51	CARBON JUNCT	1215897.203221	2310905.958833	02-07-2018 14:47:23	0.000000	0.004441	0.041368	806.0	49.4	-0.98	0.019	0.177
CarbonJunction070218_52	CARBON JUNCT	1215950.568088	2310787.510315	02-07-2018 14:50:11	0.000000	0.000234	0.035995	806.3	49.5	-1.103	0.001	0.154
CarbonJunction070218_53	CARBON JUNCT	1216204.147663	2310938.439121	02-07-2018 14:53:35	0.000000	0.003272	0.083426	806.4	49.6	0	0.014	0.357
CarbonJunction070218_54	CARBON JUNCT	1215774.218424	2311178.001162	02-07-2018 15:01:34	0.000000	0.003736	0.094106	806.3	49.8	-0.334	0.016	0.403
CarbonJunction070218_59	CARBON JUNCT	1215023.488802	2311371.402294	02-07-2018 15:15:16	0.000000	0.000466	0.000000	804.5	49.5	-0.608	0.002	-0.216
CarbonJunction070218_60	CARBON JUNCT	1215414.408784	2311378.738319	02-07-2018 15:19:38	0.000000	0.003498	0.032418	804.8	49.6	-0.547	0.015	0.139
CarbonJunction070218_61	CARBON JUNCT	1215522.967733	2311355.828105	02-07-2018 15:21:46	0.000000	0.000233	0.055383	803.0	49.6	-0.274	0.001	0.238
CarbonJunction070218_62	CARBON JUNCT	1215592.926334	2311468.109479	02-07-2018 15:24:27	0.000000	0.000930	0.153061	802.7	49.6	-1.363	0.004	0.658
CarbonJunction070218_63	CARBON JUNCT	1215638.172243	2311691.69112	02-07-2018 15:28:08	0.000000	0.001162	0.000000	802.0	49.7	-0.711	0.005	-0.088
CarbonJunction070218_64	CARBON JUNCT	1215743.367633	2311692.445834	02-07-2018 15:30:14	0.000000	0.011119	0.224001	799.6	49.7	0	0.048	0.967
CarbonJunction070218_65	CARBON JUNCT	1215768.624076	2311614.037137	02-07-2018 15:32:09	0.000000	0.000000	0.052551	799.1	49.7	-2.107	-0.012	0.227
CarbonJunction070218_66	CARBON JUNCT	1215794.197113	2311367.793794	02-07-2018 15:36:26	0.000000	0.004165	0.039109	799.3	49.9	-1.543	0.018	0.169
CarbonJunction070318_100	CARBON JUNCT	1217514.982773	2312952.629608	03-07-2018 13:12:55	0.000000	0.000698	0.714232	796.1	46.9	-0.182	0.003	3.07
CarbonJunction070318_101	CARBON JUNCT	1217681.20351	2312941.483215	03-07-2018 13:15:20	0.000000	0.000000	0.101410	796.4	47.1	-0.314	-0.006	0.436
CarbonJunction070318_102	CARBON JUNCT	1217754.047359	2312845.958915	03-07-2018 13:18:33	0.000000	0.001628	0.643572	796.6	47.3	-0.001	0.007	2.768
CarbonJunction070318_103	CARBON JUNCT	1217765.941842	2313115.626658	03-07-2018 13:21:19	0.000000	0.001394	1.741872	796.4	47.4	-0.96	0.006	7.496

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CarbonJunction070318_104	CARBON JUNCT	1217634.991561	2313147.897964	03-07-2018 13:23:50	0.000000	0.004415	0.265122	796.6	47.5	-0.42	0.019	1.141
CarbonJunction070318_105	CARBON JUNCT	1217644.264539	2313259.096013	03-07-2018 13:25:53	0.000000	0.000697	0.241098	796.3	47.5	-1.047	0.003	1.038
CarbonJunction070318_106	CARBON JUNCT	1217768.484089	2313266.524811	03-07-2018 13:27:58	0.000000	0.000928	0.001392	795.8	47.6	-1.192	0.004	0.006
CarbonJunction070318_107	CARBON JUNCT	1217886.701417	2313246.889827	03-07-2018 13:29:53	0.000000	0.000000	0.099081	796.0	47.7	-0.451	-0.002	0.427
CarbonJunction070318_108	CARBON JUNCT	1218017.375618	2313243.059868	03-07-2018 13:31:55	0.000000	0.000928	0.314932	795.8	47.8	-0.966	0.004	1.358
CarbonJunction070318_109	CARBON JUNCT	1218028.99427	2313001.921668	03-07-2018 13:34:15	0.000000	0.000928	0.458282	796.1	47.9	-2.293	0.004	1.976
CarbonJunction070318_110	CARBON JUNCT	1218027.898624	2312812.163616	03-07-2018 13:36:30	0.000000	0.000464	0.264974	796.0	48.0	-1.315	0.002	1.143
CarbonJunction070318_111	CARBON JUNCT	1218025.730335	2312659.905636	03-07-2018 13:39:43	0.000000	0.000696	0.137480	796.3	48.1	-1.248	0.003	0.593
CarbonJunction070318_112	CARBON JUNCT	1217801.626215	2312569.33202	03-07-2018 13:45:21	13.202680	0.003479	1.555495	797.2	48.3	56.919	0.015	6.706
CarbonJunction070318_113	CARBON JUNCT	1217885.589791	2312527.804396	03-07-2018 13:49:15	1.676023	0.006976	0.837547	798.9	48.2	7.208	0.03	3.602
CarbonJunction070318_114	CARBON JUNCT	1218020.235734	2312504.608054	03-07-2018 13:53:42	0.000000	0.000466	0.183655	799.5	48.1	-0.083	0.002	0.789
CarbonJunction070318_115	CARBON JUNCT	1217935.062989	2312447.630313	03-07-2018 13:57:17	0.000000	0.003726	0.200723	799.8	48.1	-0.785	0.016	0.862
CarbonJunction070318_116	CARBON JUNCT	1217802.77042	2312457.161341	03-07-2018 14:00:51	0.000000	0.005121	0.101488	799.5	48.1	-0.499	0.022	0.436
CarbonJunction070318_117	CARBON JUNCT	1217644.008109	2312426.282727	03-07-2018 14:03:33	0.000000	0.002330	0.260681	800.4	48.2	-1.185	0.01	1.119
CarbonJunction070318_118	CARBON JUNCT	1217629.111041	2312394.333958	03-07-2018 14:05:34	0.000000	0.002562	0.959552	800.2	48.2	-2.222	0.011	4.12
CarbonJunction070318_119	CARBON JUNCT	1217564.31774	2312401.566143	03-07-2018 14:08:12	0.000000	0.000699	0.772123	800.5	48.2	-2.141	0.003	3.314
CarbonJunction070318_120	CARBON JUNCT	1217568.359567	2312372.733287	03-07-2018 14:10:41	0.000000	0.000000	0.003727	800.3	48.2	-1.21	-0.003	0.016
CarbonJunction070318_121	CARBON JUNCT	1217493.102592	2312187.554826	03-07-2018 14:20:02	0.000000	0.004189	0.074244	799.9	48.3	-2.824	0.018	0.319
CarbonJunction070318_122	CARBON JUNCT	1217372.671935	2312302.746613	03-07-2018 14:27:32	65.712300	0.142240	1.070179	800.1	48.3	282.27	0.611	4.597
CarbonJunction070318_123	CARBON JUNCT	1217403.947892	2312338.615145	03-07-2018 14:30:28	0.000000	0.000000	0.128112	800.3	48.2	-0.856	-0.001	0.55
CarbonJunction070318_124	CARBON JUNCT	1217376.185319	2312236.381679	03-07-2018 14:34:29	0.000000	0.000000	0.050303	799.9	48.1	-0.239	-0.001	0.216
CarbonJunction070318_125	CARBON JUNCT	1217216.920464	2311797.286916	03-07-2018 14:42:43	0.000000	0.000000	0.367988	802.0	47.9	-2.019	-0.008	1.575
CarbonJunction070318_126	CARBON JUNCT	1217165.843876	2311875.685304	03-07-2018 14:57:33	0.000000	0.007942	0.027329	799.3	46.9	-0.361	0.034	0.117
CarbonJunction070318_127	CARBON JUNCT	1217022.898072	2311869.545495	03-07-2018 15:01:10	0.000000	0.000234	0.037493	801.1	46.6	-0.747	0.001	0.16
CarbonJunction070318_128	CARBON JUNCT	1216967.751623	2311828.31121	03-07-2018 15:03:40	0.000000	0.000705	0.132241	802.5	46.4	-1.343	0.003	0.563
CarbonJunction070318_129	CARBON JUNCT	1216874.684811	2311721.924487	03-07-2018 15:06:32	0.000000	0.000000	0.000000	801.8	46.2	-0.311	0	-0.009

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CarbonJunction070318_130	CARBON JUNCT	1216778.449851	2311684.852518	03-07-2018 15:09:51	0.000000	0.001880	0.019745	802.6	46.2	-0.469	0.008	0.084
CarbonJunction070318_131	CARBON JUNCT	1216869.891164	2311878.35877	03-07-2018 15:14:52	0.000000	0.002822	1.128085	803.2	46.3	-0.624	0.012	4.797
CarbonJunction070318_132	CARBON JUNCT	1216878.929883	2311864.074995	03-07-2018 15:16:23	0.000000	0.003527	0.347808	803.2	46.3	-0.466	0.015	1.479
CarbonJunction070318_133	CARBON JUNCT	1216902.18688	2311972.055866	03-07-2018 15:20:34	5.538577	0.002822	1.567366	803.7	46.5	23.552	0.012	6.665
CarbonJunction070318_134	CARBON JUNCT	1216837.858394	2311878.868314	03-07-2018 15:24:26	124.927300	0.632770	1.108696	802.0	46.8	532.861	2.699	4.729
CarbonJunction070318_135	CARBON JUNCT	1216786.908055	2311844.623764	03-07-2018 15:27:15	171.078400	0.010316	0.815637	802.5	47.0	729.714	0.044	3.479
CarbonJunction070318_136	CARBON JUNCT	1216754.425227	2311831.886282	03-07-2018 15:29:27	192.066300	0.250544	2.650521	802.5	47.1	819.491	1.069	11.309
CarbonJunction070318_137	CARBON JUNCT	1216753.921639	2311806.16636	03-07-2018 15:32:00	433.952200	0.387176	1.782932	802.5	47.3	1852.704	1.653	7.612
CarbonJunction070318_138	CARBON JUNCT	1216740.013173	2311805.763321	03-07-2018 15:34:53	281.597900	0.905189	1.084494	802.5	47.5	1202.997	3.867	4.633
CarbonJunction070318_139	CARBON JUNCT	1216663.631628	2311818.066033	03-07-2018 15:37:26	0.577926	0.000000	1.445049	802.4	47.6	2.47	-0.114	6.176
CarbonJunction070318_140	CARBON JUNCT	1216651.012852	2311760.17762	03-07-2018 15:39:30	0.000000	0.000000	0.268691	802.9	47.7	-1.983	-0.021	1.148
CarbonJunction070318_141	CARBON JUNCT	1216547.749716	2311708.674208	03-07-2018 15:42:14	6.945356	0.000000	5.269521	803.7	47.7	29.645	-0.007	22.492
CarbonJunction070318_142	CARBON JUNCT	1216622.682257	2311656.179272	03-07-2018 15:44:22	0.000000	0.000000	0.528611	803.8	47.7	-1.188	-0.011	2.256
CarbonJunction070318_143	CARBON JUNCT	1216535.746231	2311565.955159	03-07-2018 15:46:30	0.000000	0.000000	0.035868	804.2	47.7	-2.296	-0.025	0.153
CarbonJunction070318_144	CARBON JUNCT	1216397.03491	2311416.508816	03-07-2018 15:49:04	0.000000	0.000000	0.000000	804.4	47.7	-0.431	-0.01	-0.17
CarbonJunction070318_145	CARBON JUNCT	1216368.068558	2311481.182155	03-07-2018 15:52:04	4.754033	0.000938	2.593322	804.8	47.7	20.264	0.004	11.054
CarbonJunction070318_146	CARBON JUNCT	1216264.89976	2311435.411787	03-07-2018 15:54:57	82.167920	0.006794	1.945496	803.7	47.7	350.719	0.029	8.304
CarbonJunction070318_147	CARBON JUNCT	1216192.906146	2311336.813782	03-07-2018 15:57:06	0.000000	0.000000	0.652238	803.4	47.7	-0.189	0	2.785
CarbonJunction070318_148	CARBON JUNCT	1216211.296541	2311372.714174	03-07-2018 15:59:12	250.000600	0.006558	19.643020	803.4	47.7	1067.481	0.028	83.874
CarbonJunction070318_149	CARBON JUNCT	1216299.333929	2311300.624377	03-07-2018 16:01:33	0.000000	0.000000	0.070992	804.0	47.8	-1.159	0	0.303
CarbonJunction070318_150	CARBON JUNCT	1216195.903526	2311225.829247	03-07-2018 16:04:03	0.000000	0.000469	0.088888	804.8	47.8	-0.571	0.002	0.379
CarbonJunction070318_67	CARBON JUNCT	1215981.677651	2311234.929431	03-07-2018 11:15:52	22.296320	0.004224	4.802717	805.0	29.9	89.743	0.017	19.331
CarbonJunction070318_68	CARBON JUNCT	1215995.794679	2311377.126323	03-07-2018 11:21:27	0.000000	0.000000	0.305258	805.1	31.5	-0.581	0	1.235
CarbonJunction070318_69	CARBON JUNCT	1216119.140349	2311411.034008	03-07-2018 11:24:25	5.698632	0.002212	2.138001	803.1	32.4	23.181	0.009	8.697
CarbonJunction070318_70	CARBON JUNCT	1216178.352535	2311488.36056	03-07-2018 11:28:44	0.000000	0.000490	0.295767	803.0	33.6	-0.001	0.002	1.208
CarbonJunction070318_71	CARBON JUNCT	1215926.591794	2311563.134811	03-07-2018 11:33:04	0.000000	0.001464	0.039273	802.9	34.7	-1.361	0.006	0.161

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction070318_72	CARBON JUNCT	1216065.265317	2311650.74173	03-07-2018 11:45:09	0.000000	0.000483	0.091933	800.4	37.1	-0.673	0.002	0.381
CarbonJunction070318_73	CARBON JUNCT	1216170.882265	2311738.316201	03-07-2018 11:47:53	0.000000	0.001926	0.261219	799.9	37.6	-0.691	0.008	1.085
CarbonJunction070318_74	CARBON JUNCT	1216269.777765	2311781.762577	03-07-2018 11:50:18	0.000000	0.000720	0.048980	799.0	38.1	-0.525	0.003	0.204
CarbonJunction070318_75	CARBON JUNCT	1216172.542998	2311920.999241	03-07-2018 11:52:59	0.000000	0.003834	0.069255	799.0	38.7	-2.7	0.016	0.289
CarbonJunction070318_76	CARBON JUNCT	1216035.885535	2311935.413617	03-07-2018 11:55:12	0.000000	0.000718	0.041628	798.7	39.1	0	0.003	0.174
CarbonJunction070318_77	CARBON JUNCT	1215969.100765	2311763.266259	03-07-2018 11:58:06	0.000000	0.003586	0.060715	799.3	39.6	0	0.015	0.254
CarbonJunction070318_78	CARBON JUNCT	1216365.052759	2312112.577979	03-07-2018 12:02:43	0.000000	0.001429	0.037400	798.6	40.4	-0.88	0.006	0.157
CarbonJunction070318_79	CARBON JUNCT	1216401.910831	2312013.903541	03-07-2018 12:06:13	0.000000	0.000000	0.062996	798.2	40.9	-0.163	-0.004	0.265
CarbonJunction070318_80	CARBON JUNCT	1216525.761753	2312013.036013	03-07-2018 12:09:53	0.000000	0.001424	0.061245	798.6	41.5	-0.043	0.006	0.258
CarbonJunction070318_81	CARBON JUNCT	1216530.699989	2312130.105444	03-07-2018 12:13:50	0.000000	0.001423	0.048373	799.5	42.2	-0.001	0.006	0.204
CarbonJunction070318_82	CARBON JUNCT	1216561.897413	2312341.86817	03-07-2018 12:16:16	0.000000	0.001182	0.042065	797.8	42.6	-0.145	0.005	0.178
CarbonJunction070318_83	CARBON JUNCT	1216749.136153	2312333.772221	03-07-2018 12:18:49	0.000000	0.003069	0.077440	797.8	42.9	0	0.013	0.328
CarbonJunction070318_84	CARBON JUNCT	1216736.626174	2312179.822661	03-07-2018 12:21:00	0.000000	0.000000	0.172797	797.6	43.3	-0.56	-0.001	0.733
CarbonJunction070318_85	CARBON JUNCT	1216723.962802	2312046.693357	03-07-2018 12:24:00	0.000000	0.000000	0.273553	798.2	43.7	-0.991	0	1.161
CarbonJunction070318_86	CARBON JUNCT	1216723.711385	2312029.176855	03-07-2018 12:26:31	25.331550	0.002121	1.807528	799.0	44.0	107.505	0.009	7.671
CarbonJunction070318_87	CARBON JUNCT	1216735.308899	2312012.922304	03-07-2018 12:29:36	0.000000	0.004945	0.667978	799.4	44.4	-0.304	0.021	2.837
CarbonJunction070318_88	CARBON JUNCT	1216746.073337	2311980.972615	03-07-2018 12:31:54	0.000000	0.001649	0.168625	800.1	44.6	-0.929	0.007	0.716
CarbonJunction070318_89	CARBON JUNCT	1216967.55985	2312223.887741	03-07-2018 12:38:35	0.000000	0.003763	0.073147	800.3	45.1	0	0.016	0.311
CarbonJunction070318_90	CARBON JUNCT	1217068.045731	2312193.941928	03-07-2018 12:44:00	0.000000	0.001406	0.119018	798.2	45.5	-1.727	0.006	0.508
CarbonJunction070318_91	CARBON JUNCT	1217134.496164	2312228.448329	03-07-2018 12:46:34	0.000000	0.000235	0.126876	799.5	45.7	-0.794	0.001	0.541
CarbonJunction070318_92	CARBON JUNCT	1216970.646077	2312363.660747	03-07-2018 12:51:52	0.000000	0.002579	0.000000	799.9	46.0	0	0.011	-0.05
CarbonJunction070318_93	CARBON JUNCT	1216909.077901	2312510.653793	03-07-2018 12:54:08	0.000000	0.000934	0.025931	797.4	46.1	-0.935	0.004	0.111
CarbonJunction070318_94	CARBON JUNCT	1217119.283184	2312469.028164	03-07-2018 12:57:33	0.000000	0.003736	0.212274	797.1	46.1	-0.536	0.016	0.909
CarbonJunction070318_95	CARBON JUNCT	1217138.407531	2312537.021893	03-07-2018 13:00:11	0.000000	0.001168	0.067969	797.5	46.2	-2.11	0.005	0.291
CarbonJunction070318_96	CARBON JUNCT	1217188.994983	2312753.202368	03-07-2018 13:03:13	0.000000	0.000467	0.093789	797.1	46.4	-1.554	0.002	0.402
CarbonJunction070318_97	CARBON JUNCT	1217326.261618	2312653.023023	03-07-2018 13:05:52	0.000000	0.001166	0.069002	796.7	46.5	-1.064	0.005	0.296

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction070318_98	CARBON JUNCT	1217402.961181	2312801.231128	03-07-2018 13:08:20	0.000000	0.000699	0.115080	796.4	46.6	-0.494	0.003	0.494
CarbonJunction070318_99	CARBON JUNCT	1217540.089116	2312836.250768	03-07-2018 13:10:47	0.000000	0.000000	0.522591	796.3	46.8	-0.626	0	2.245
CarbonJunction061818_24	CJ	1214458.148261	2309857.806181	18-06-2018 11:33:26	511.482100	0.016992	5.782450	805.4	41.6	2137.142	0.071	24.161
Federal071218_01	FED 34-1/2-34-1	1219731.946404	2320130.846656	12-07-2018 13:52:47	0.000000	0.000000	0.302595	792.0	35.3	0	-0.029	1.26
Federal071218_02	FED 34-1/2-34-1	1219718.713406	2320089.430933	12-07-2018 13:55:11	0.000000	0.000718	1.176383	791.7	36.1	0	0.003	4.913
Federal071218_03	FED 34-1/2-34-1	1219705.703236	2320041.971686	12-07-2018 13:57:24	0.000000	0.003104	0.163315	791.5	36.9	-1.957	0.013	0.684
Federal071218_04	FED 34-1/2-34-1	1219708.009553	2319983.809691	12-07-2018 13:59:04	0.000000	0.002622	0.186152	791.4	37.4	0	0.011	0.781
Federal071218_05	FED 34-1/2-34-1	1219700.149736	2319927.099657	12-07-2018 14:01:19	0.000000	0.001427	0.137025	791.4	38.0	0	0.006	0.576
Federal071218_06	FED 34-1/2-34-1	1219763.251113	2319946.746743	12-07-2018 14:03:08	0.000000	0.003326	0.132343	791.7	38.5	0	0.014	0.557
Federal071218_07	FED 34-1/2-34-1	1219775.292732	2320000.672306	12-07-2018 14:05:07	0.000000	0.002607	0.060445	791.1	39.0	0	0.011	0.255
Federal071218_08	FED 34-1/2-34-1	1219773.984158	2320043.238026	12-07-2018 14:06:49	0.000000	0.001421	0.048786	791.4	39.4	-0.098	0.006	0.206
Federal071218_09	FED 34-1/2-34-1	1219757.308052	2320078.650099	12-07-2018 14:08:36	0.000000	0.003310	0.127690	791.2	39.8	-0.5	0.014	0.54
Federal071218_10	FED 34-1/2-34-1	1219819.039182	2320097.319934	12-07-2018 14:10:50	0.000000	0.001417	0.027162	791.3	40.2	-2.259	0.006	0.115
Federal071218_11	FED 34-1/2-34-1	1219862.103676	2320103.856489	12-07-2018 14:12:43	0.000000	0.001652	0.058051	791.6	40.6	-0.217	0.007	0.246
Federal071218_12	FED 34-1/2-34-1	1219860.257183	2320032.732844	12-07-2018 14:15:07	0.000000	0.002592	0.073277	791.4	41.0	-0.968	0.011	0.311
Federal071218_13	FED 34-1/2-34-1	1219818.910384	2320023.616961	12-07-2018 14:17:21	0.000000	0.000941	0.067276	791.1	41.4	-1.078	0.004	0.286
Federal071218_14	FED 34-1/2-34-1	1219806.92564	2319989.285328	12-07-2018 14:18:57	0.000000	0.001880	0.180720	791.1	41.7	-0.001	0.008	0.769
Federal071218_15	FED 34-1/2-34-1	1219807.559538	2319934.768451	12-07-2018 14:20:53	0.000000	0.000470	0.059392	791.0	42.0	-0.001	0.002	0.253
Federal071218_16	FED 34-1/2-34-1	1219867.222889	2319991.660149	12-07-2018 14:23:12	0.000000	0.000469	0.058882	791.2	42.3	0	0.002	0.251
Federal071218_17	FED 34-1/2-34-1	1219864.754299	2319960.041247	12-07-2018 14:24:56	0.000000	0.001876	0.043137	791.2	42.5	-0.593	0.008	0.184
Federal071218_18	FED 34-1/2-34-1	1219905.11695	2319935.123678	12-07-2018 14:26:29	0.000000	0.002108	0.047312	791.2	42.8	-0.001	0.009	0.202
Federal071218_19	FED 34-1/2-34-1	1219906.212396	2319992.925633	12-07-2018 14:28:32	0.000000	0.004681	0.050559	791.2	43.0	-0.001	0.02	0.216
Federal071218_20	FED 34-1/2-34-1	1219910.558495	2320043.688376	12-07-2018 14:30:32	0.000000	0.002339	0.025965	791.2	43.2	0	0.01	0.111
Federal071218_21	FED 34-1/2-34-1	1219906.37228	2320096.443839	12-07-2018 14:32:34	0.000000	0.001402	0.041599	791.2	43.5	-1.248	0.006	0.178
Federal071218_22	FED 34-1/2-34-1	1219917.599817	2320124.932185	12-07-2018 14:34:07	0.000000	0.001168	0.133825	791.2	43.7	0	0.005	0.573
Federal071218_23	FED 34-1/2-34-1	1219870.605376	2320135.281925	12-07-2018 14:35:56	0.000000	0.004665	0.164203	790.9	44.0	0	0.02	0.704

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Federal071218_24	FED 34-1/2-34-1	1219820.270907	2320138.833925	12-07-2018 14:37:39	0.000000	0.007236	0.066992	792.0	44.2	-0.001	0.031	0.287
Federal071218_25	FED 34-1/2-34-1	1219763.866993	2320129.637214	12-07-2018 14:39:44	0.000000	0.000704	0.038254	796.8	44.4	-0.938	0.003	0.163
FloridaRiver070518_01	FLORIDA RIVER	1234978.597384	2331964.008177	05-07-2018 11:03:42	0.000000	0.003213	0.190052	797.6	28.7	-1.361	0.013	0.769
FloridaRiver070518_02	FLORIDA RIVER	1235013.01821	2332024.734473	05-07-2018 11:06:45	1.200451	0.025882	1.742256	797.9	29.6	4.87	0.105	7.068
FloridaRiver070518_03	FLORIDA RIVER	1234905.400775	2331993.638692	05-07-2018 11:08:52	0.000000	0.002211	0.088454	797.7	30.5	-0.001	0.009	0.36
FloridaRiver070518_04	FLORIDA RIVER	1235163.964472	2332038.905639	05-07-2018 11:12:07	0.000000	0.002694	0.383239	797.9	31.6	-0.002	0.011	1.565
FloridaRiver070518_05	FLORIDA RIVER	1235181.322147	2332111.82217	05-07-2018 11:14:51	0.954496	0.015383	0.348688	797.7	32.4	3.909	0.063	1.428
FloridaRiver070518_06	FLORIDA RIVER	1235336.543662	2332117.673909	05-07-2018 11:18:22	0.000000	0.004136	0.421126	797.9	33.6	-0.137	0.017	1.731
FloridaRiver070518_07	FLORIDA RIVER	1235568.677194	2332236.979514	05-07-2018 11:22:18	0.000000	0.008721	0.539481	797.6	34.8	0	0.036	2.227
FloridaRiver070518_08	FLORIDA RIVER	1235825.011706	2332273.062848	05-07-2018 11:25:52	0.000000	0.000725	0.108457	797.9	35.8	-0.943	0.003	0.449
FloridaRiver070518_09	FLORIDA RIVER	1235572.945203	2332285.549358	05-07-2018 11:29:07	0.000000	0.006985	0.307807	797.9	36.7	0	0.029	1.278
FloridaRiver070518_10	FLORIDA RIVER	1235563.574354	2332336.338048	05-07-2018 11:31:23	0.000000	0.000962	0.255467	798.2	37.2	-0.188	0.004	1.062
FloridaRiver070518_11	FLORIDA RIVER	1235540.655052	2332375.730813	05-07-2018 11:36:12	0.000000	0.002157	1.386130	797.9	38.2	0	0.009	5.783
FloridaRiver070518_12	FLORIDA RIVER	1235569.396519	2332374.305542	05-07-2018 11:37:38	0.000000	0.018678	0.868760	797.9	38.5	-0.002	0.078	3.628
FloridaRiver070518_13	FLORIDA RIVER	1235557.752624	2332457.045449	05-07-2018 11:39:58	2.400021	0.005502	0.966419	798.1	38.9	10.033	0.023	4.04
FloridaRiver070518_14	FLORIDA RIVER	1235509.665607	2332408.38895	05-07-2018 11:43:06	390.268300	0.014806	0.456825	798.0	39.4	1634.289	0.062	1.913
FloridaRiver070518_15	FLORIDA RIVER	1235513.666842	2332460.119579	05-07-2018 11:46:25	84.866770	0.012405	1.305848	798.2	39.8	355.754	0.052	5.474
FloridaRiver070518_16	FLORIDA RIVER	1235348.671194	2332523.379124	05-07-2018 11:49:45	0.000000	0.011668	0.863403	798.0	40.3	-0.42	0.049	3.626
FloridaRiver070518_17	FLORIDA RIVER	1235320.938586	2332482.155514	05-07-2018 11:51:49	0.000000	0.005235	0.542079	798.0	40.5	-1.044	0.022	2.278
FloridaRiver070518_18	FLORIDA RIVER	1235325.063583	2332465.871685	05-07-2018 11:54:34	64.649170	0.016651	0.752147	798.2	40.7	271.783	0.07	3.162
FloridaRiver070518_19	FLORIDA RIVER	1235126.097909	2332534.757515	05-07-2018 11:57:22	0.000000	0.009028	0.245187	798.0	41.0	0	0.038	1.032
FloridaRiver070518_20	FLORIDA RIVER	1235138.109542	2332379.045329	05-07-2018 12:00:01	0.000000	0.007598	0.120385	798.3	41.3	-0.561	0.032	0.507
FloridaRiver070518_21	FLORIDA RIVER	1234952.320145	2332131.725208	05-07-2018 12:04:45	0.000000	0.010431	0.330949	798.3	41.8	0	0.044	1.396
FloridaRiver070518_22	FLORIDA RIVER	1234921.921797	2332325.69426	05-07-2018 12:07:20	0.000000	0.010894	0.348614	798.0	42.0	-0.002	0.046	1.472
FloridaRiver070518_23	FLORIDA RIVER	1235374.313702	2332473.733999	05-07-2018 12:15:43	1101.506000	0.008754	0.760870	798.2	42.4	4655.778	0.037	3.216
FloridaRiver070518_24	FLORIDA RIVER	1235508.264142	2332611.552363	05-07-2018 12:46:32	0.000000	0.000000	0.116440	798.0	43.5	-1.714	-0.008	0.494

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FloridaRiver070518_25	FLORIDA RIVER	1235411.180138	2332812.584266	05-07-2018 12:50:09	0.000000	0.000942	0.215705	797.5	43.6	0	0.004	0.916
FloridaRiver070518_26	FLORIDA RIVER	1235527.008195	2332736.097164	05-07-2018 12:53:09	0.000000	0.000000	0.099708	796.4	43.6	-0.312	-0.004	0.424
FloridaRiver070518_27	FLORIDA RIVER	1235722.459127	2332742.07978	05-07-2018 12:58:00	0.000000	0.000000	0.074485	796.0	43.7	-1.168	-0.001	0.317
FloridaRiver070518_28	FLORIDA RIVER	1235781.940867	2332745.262233	05-07-2018 13:00:56	0.000000	0.000704	0.000000	795.4	43.8	-0.305	0.003	-0.033
FloridaRiver070518_29	FLORIDA RIVER	1235738.292228	2332802.129601	05-07-2018 13:03:57	0.000000	0.001642	0.821698	795.4	44.0	-0.91	0.007	3.503
FloridaRiver070518_30	FLORIDA RIVER	1235674.225798	2332832.521547	05-07-2018 13:06:41	0.905827	0.003045	0.919647	794.3	44.0	3.867	0.013	3.926
FloridaRiver070518_31	FLORIDA RIVER	1235705.341914	2332824.405474	05-07-2018 13:08:55	1.263051	0.000468	0.849842	794.3	44.0	5.392	0.002	3.628
FloridaRiver070518_32	FLORIDA RIVER	1235747.931443	2332931.849453	05-07-2018 13:11:36	0.000000	0.002810	0.251250	794.0	44.0	0	0.012	1.073
FloridaRiver070518_33	FLORIDA RIVER	1235912.479051	2332846.773106	05-07-2018 13:14:24	0.000000	0.001404	0.006318	793.5	44.0	-0.75	0.006	0.027
FloridaRiver070518_34	FLORIDA RIVER	1235957.42973	2333050.879521	05-07-2018 13:18:05	0.000000	0.000000	0.088807	794.3	43.9	-0.248	-0.007	0.379
FloridaRiver070518_35	FLORIDA RIVER	1235927.96276	2333189.264912	05-07-2018 13:22:00	0.000000	0.002105	0.252853	792.4	43.7	0	0.009	1.081
FloridaRiver070518_36	FLORIDA RIVER	1235829.318482	2333126.482032	05-07-2018 13:24:39	0.000000	0.000000	0.126875	791.3	43.6	-0.649	-0.005	0.543
FloridaRiver070518_37	FLORIDA RIVER	1235529.648674	2332963.684863	05-07-2018 13:29:06	0.000000	0.000468	0.076784	792.3	43.4	-0.184	0.002	0.328
FloridaRiver070518_38	FLORIDA RIVER	1235519.77544	2333113.999001	05-07-2018 13:32:17	0.000000	0.000000	0.166907	794.0	43.2	-0.416	0	0.711
FloridaRiver070618_100	FLORIDA RIVER	1234595.00705	2331013.254627	06-07-2018 11:33:45	0.000000	0.003079	0.227821	796.7	41.5	0	0.013	0.962
FloridaRiver070618_101	FLORIDA RIVER	1234504.28773	2330977.470346	06-07-2018 11:35:46	0.000000	0.003078	0.084055	796.8	41.6	-0.002	0.013	0.355
FloridaRiver070618_102	FLORIDA RIVER	1234414.336259	2330798.956185	06-07-2018 11:38:22	0.000000	0.003077	0.056567	797.0	41.8	-0.922	0.013	0.239
FloridaRiver070618_103	FLORIDA RIVER	1234561.966047	2330745.073069	06-07-2018 11:41:18	1.207302	0.003545	0.486892	796.4	42.0	5.108	0.015	2.06
FloridaRiver070618_104	FLORIDA RIVER	1234778.434248	2330756.204571	06-07-2018 11:43:57	0.000000	0.001417	0.150623	796.0	42.2	-0.382	0.006	0.638
FloridaRiver070618_105	FLORIDA RIVER	1234749.886625	2330573.798864	06-07-2018 11:46:35	0.000000	0.002829	0.027579	795.5	42.5	-0.712	0.012	0.117
FloridaRiver070618_106	FLORIDA RIVER	1234585.092237	2330583.077308	06-07-2018 11:48:58	0.000000	0.003297	0.275978	795.2	42.7	-2.238	0.014	1.172
FloridaRiver070618_107	FLORIDA RIVER	1234444.431461	2330545.628513	06-07-2018 11:51:21	0.000000	0.002120	0.002120	796.0	42.9	0	0.009	0.009
FloridaRiver070618_108	FLORIDA RIVER	1234396.323829	2330393.784031	06-07-2018 11:53:44	0.000000	0.002352	0.081131	795.4	43.2	0	0.01	0.345
FloridaRiver070618_109	FLORIDA RIVER	1234465.01814	2330352.696751	06-07-2018 11:56:05	0.000000	0.002114	0.120941	794.8	43.4	-0.87	0.009	0.515
FloridaRiver070618_110	FLORIDA RIVER	1234537.214711	2330352.29087	06-07-2018 11:58:06	0.000000	0.000939	0.227413	794.8	43.6	-0.755	0.004	0.969
FloridaRiver070618_111	FLORIDA RIVER	1234551.414324	2330319.280545	06-07-2018 12:00:27	0.576032	0.002814	0.342899	794.8	43.8	2.456	0.012	1.462

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver070618_112	FLORIDA RIVER	1234581.035046	2330398.772674	06-07-2018 12:02:38	0.504767	0.003748	0.333544	794.5	44.1	2.155	0.016	1.424
FloridaRiver070618_113	FLORIDA RIVER	1234762.75347	2330366.847756	06-07-2018 12:07:43	0.000000	0.002573	0.156239	795.1	44.8	-0.558	0.011	0.668
FloridaRiver070618_114	FLORIDA RIVER	1234784.343383	2330164.30146	06-07-2018 12:12:24	0.000000	0.000000	0.000000	794.0	45.3	0	-0.001	0
FloridaRiver070618_115	FLORIDA RIVER	1234518.244873	2330185.932533	06-07-2018 12:16:30	2.151030	0.001162	0.507479	792.5	45.7	9.253	0.005	2.183
FloridaRiver070618_116	FLORIDA RIVER	1234520.315276	2330158.164674	06-07-2018 12:18:21	1.640480	0.001627	0.644665	792.5	45.8	7.059	0.007	2.774
FloridaRiver070618_117	FLORIDA RIVER	1234463.834865	2330123.350664	06-07-2018 12:20:24	0.000000	0.005809	0.501416	792.6	45.9	-1.155	0.025	2.158
FloridaRiver070618_118	FLORIDA RIVER	1234379.975163	2330171.241721	06-07-2018 12:22:51	0.000000	0.001626	0.097111	793.0	46.1	-3.414	0.007	0.418
FloridaRiver070618_119	FLORIDA RIVER	1234459.179283	2329961.592029	06-07-2018 12:26:05	0.000000	0.003021	0.405069	793.5	46.2	-0.5	0.013	1.743
FloridaRiver070618_120	FLORIDA RIVER	1234523.251458	2329959.219658	06-07-2018 12:28:05	0.000000	0.002319	0.053108	792.1	46.3	0	0.01	0.229
FloridaRiver070618_121	FLORIDA RIVER	1234569.787545	2330004.103018	06-07-2018 12:30:01	0.000000	0.000464	0.082525	792.0	46.4	-1.706	0.002	0.356
FloridaRiver070618_122	FLORIDA RIVER	1234536.427364	2329880.662043	06-07-2018 12:32:57	0.000000	0.001854	0.172205	792.1	46.5	-2.331	0.008	0.743
FloridaRiver070618_123	FLORIDA RIVER	1234485.625527	2329861.718122	06-07-2018 12:34:57	0.000000	0.000000	0.112471	715.8	46.5	-0.207	-0.001	0.537
FloridaRiver070618_124	FLORIDA RIVER	1234336.891656	2329598.357633	06-07-2018 12:39:23	0.000000	0.002083	0.061781	791.3	46.7	-0.414	0.009	0.267
FloridaRiver070618_125	FLORIDA RIVER	1234358.028495	2329780.411536	06-07-2018 12:42:09	0.000000	0.003474	0.449815	792.1	46.7	-0.428	0.015	1.942
FloridaRiver070618_126	FLORIDA RIVER	1234349.121462	2329878.704541	06-07-2018 12:44:37	0.000000	0.002779	0.261952	792.3	46.8	-1.776	0.012	1.131
FloridaRiver070618_127	FLORIDA RIVER	1234365.589325	2329922.900429	06-07-2018 12:46:20	0.000000	0.003473	0.257023	792.1	46.8	-1.917	0.015	1.11
FloridaRiver070618_128	FLORIDA RIVER	1234301.428492	2329950.194467	06-07-2018 12:48:12	0.000000	0.000463	0.086633	792.4	46.8	-0.581	0.002	0.374
FloridaRiver070618_129	FLORIDA RIVER	1234247.353371	2329875.741674	06-07-2018 12:51:17	0.000000	0.000000	0.128552	792.6	46.9	-5.407	-0.012	0.555
FloridaRiver070618_130	FLORIDA RIVER	1234105.843667	2329737.809099	06-07-2018 12:54:50	0.000000	0.001853	0.241803	792.8	47.0	-0.998	0.008	1.044
FloridaRiver070618_131	FLORIDA RIVER	1234091.192951	2329610.133201	06-07-2018 12:57:22	0.000000	0.000232	0.091301	793.2	47.0	-3.691	0.001	0.394
FloridaRiver070618_132	FLORIDA RIVER	1233978.868449	2329597.968007	06-07-2018 12:59:25	0.000000	0.001855	0.079513	793.5	47.0	-0.374	0.008	0.343
FloridaRiver070618_133	FLORIDA RIVER	1233897.762246	2329441.501027	06-07-2018 13:02:53	0.000000	0.000000	0.164282	794.5	47.1	-0.236	0	0.708
FloridaRiver070618_134	FLORIDA RIVER	1233969.540665	2329330.337583	06-07-2018 13:05:29	0.000000	0.000000	0.350198	794.1	47.1	-0.785	-0.002	1.51
FloridaRiver070618_135	FLORIDA RIVER	1233990.521317	2329342.636965	06-07-2018 13:07:11	0.000000	0.002087	0.545243	794.1	47.1	-4.991	0.009	2.351
FloridaRiver070618_136	FLORIDA RIVER	1234021.032621	2329384.338926	06-07-2018 13:09:13	0.000000	0.000000	1.229562	794.0	47.2	-1.04	0	5.304
FloridaRiver070618_137	FLORIDA RIVER	1234076.821581	2329396.830957	06-07-2018 13:10:54	0.000000	0.002778	0.087748	793.0	47.2	-0.464	0.012	0.379

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FloridaRiver070618_138	FLORIDA RIVER	1234114.555312	2329375.481468	06-07-2018 13:12:37	0.000000	0.003935	0.178914	793.0	47.3	-1.069	0.017	0.773
FloridaRiver070618_139	FLORIDA RIVER	1234073.578489	2329256.98575	06-07-2018 13:14:55	0.000000	0.000463	0.117990	792.9	47.4	-1.386	0.002	0.51
FloridaRiver070618_140	FLORIDA RIVER	1233981.279606	2329137.412067	06-07-2018 13:17:32	0.000000	0.002313	0.087182	792.8	47.5	-1.556	0.01	0.377
FloridaRiver070618_141	FLORIDA RIVER	1233919.086988	2329033.659449	06-07-2018 13:20:12	0.000000	0.000693	0.045077	793.0	47.7	-1.526	0.003	0.195
FloridaRiver070618_142	FLORIDA RIVER	1233820.226944	2328839.161075	06-07-2018 13:23:00	0.000000	0.000000	0.001155	792.6	47.8	-2.867	-0.005	0.005
FloridaRiver070618_143	FLORIDA RIVER	1233817.628015	2328724.942249	06-07-2018 13:25:38	0.000000	0.001384	0.269178	792.0	48.0	-0.865	0.006	1.167
FloridaRiver070618_144	FLORIDA RIVER	1233766.913829	2328571.09708	06-07-2018 13:28:37	0.000000	0.000461	0.077909	791.7	48.1	-1.422	0.002	0.338
FloridaRiver070618_145	FLORIDA RIVER	1233686.842237	2328565.258831	06-07-2018 13:30:27	0.000000	0.005062	0.060050	790.5	48.2	-2.078	0.022	0.261
FloridaRiver070618_146	FLORIDA RIVER	1233617.861297	2328565.75903	06-07-2018 13:33:38	0.000000	0.000230	0.436561	790.1	48.3	-0.449	0.001	1.899
FloridaRiver070618_147	FLORIDA RIVER	1233555.073919	2328440.068517	06-07-2018 13:38:18	0.000000	0.000689	0.000000	789.5	48.5	-1.384	0.003	-0.135
FloridaRiver070618_148	FLORIDA RIVER	1233518.757639	2328391.208919	06-07-2018 13:40:46	0.000000	0.001148	0.322508	789.4	48.5	-1.321	0.005	1.405
FloridaRiver070618_149	FLORIDA RIVER	1233576.150173	2328673.865687	06-07-2018 13:44:12	0.000000	0.000459	0.060542	788.9	48.6	-0.694	0.002	0.264
FloridaRiver070618_150	FLORIDA RIVER	1233539.491723	2328853.91486	06-07-2018 13:47:08	0.000000	0.000000	0.040862	789.7	48.6	-1.502	-0.002	0.178
FloridaRiver070618_151	FLORIDA RIVER	1233675.552126	2328790.869133	06-07-2018 13:50:05	0.000000	0.000230	0.274072	790.3	48.6	-0.001	0.001	1.193
FloridaRiver070618_152	FLORIDA RIVER	1233706.245918	2328724.909183	06-07-2018 13:52:05	0.000000	0.000000	0.645551	790.3	48.6	-1.345	-0.001	2.81
FloridaRiver070618_153	FLORIDA RIVER	1233682.123755	2328999.403316	06-07-2018 13:55:17	0.000000	0.000689	0.000000	790.3	48.6	-1.3	0.003	-0.099
FloridaRiver070618_59	FLORIDA RIVER	1234929.644974	2331832.64923	06-07-2018 09:26:55	1.406635	0.000000	0.358637	800.6	27.3	5.644	-0.001	1.439
FloridaRiver070618_60	FLORIDA RIVER	1234867.01425	2331824.265805	06-07-2018 09:29:42	0.000000	0.000497	0.016637	800.6	28.4	-0.001	0.002	0.067
FloridaRiver070618_61	FLORIDA RIVER	1234871.086048	2331783.273099	06-07-2018 09:31:41	0.000000	0.003716	0.183817	800.3	29.0	-0.001	0.015	0.742
FloridaRiver070618_62	FLORIDA RIVER	1235185.572562	2331795.459372	06-07-2018 09:35:02	0.000000	0.007655	0.008396	800.1	29.9	-0.064	0.031	0.034
FloridaRiver070618_63	FLORIDA RIVER	1235283.312534	2331787.85112	06-07-2018 09:38:00	0.000000	0.002219	0.423625	800.8	30.6	-0.208	0.009	1.718
FloridaRiver070618_64	FLORIDA RIVER	1235313.912793	2331771.932346	06-07-2018 09:40:24	3.885158	0.002949	1.983502	799.8	31.2	15.807	0.012	8.07
FloridaRiver070618_65	FLORIDA RIVER	1235330.234692	2331779.107648	06-07-2018 09:42:13	1.178371	0.000246	0.460397	799.8	31.5	4.799	0.001	1.875
FloridaRiver070618_66	FLORIDA RIVER	1235327.690099	2331790.022422	06-07-2018 09:44:21	0.855093	0.000000	0.852396	799.8	31.9	3.487	-0.002	3.476
FloridaRiver070618_67	FLORIDA RIVER	1235349.683122	2331806.462673	06-07-2018 09:46:24	1.472106	0.000000	0.407027	799.8	32.3	6.011	0	1.662
FloridaRiver070618_68	FLORIDA RIVER	1235404.069405	2331832.726125	06-07-2018 09:48:46	38.163010	0.002199	1.089255	799.0	32.7	156.19	0.009	4.458

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FloridaRiver070618_69	FLORIDA RIVER	1235356.148635	2331902.768167	06-07-2018 09:50:45	0.000000	0.002928	0.355517	798.7	33.0	-1.029	0.012	1.457
FloridaRiver070618_70	FLORIDA RIVER	1235386.107825	2331947.875016	06-07-2018 09:52:40	0.000000	0.003416	0.418215	799.2	33.2	-0.882	0.014	1.714
FloridaRiver070618_71	FLORIDA RIVER	1235540.432949	2331928.631985	06-07-2018 09:55:11	0.000000	0.003167	0.099409	799.1	33.6	0	0.013	0.408
FloridaRiver070618_72	FLORIDA RIVER	1235556.277094	2331824.809168	06-07-2018 09:59:21	0.000000	0.000487	0.077598	799.1	34.1	0	0.002	0.319
FloridaRiver070618_73	FLORIDA RIVER	1235565.75792	2331721.509033	06-07-2018 10:01:34	0.000000	0.004369	0.160179	798.3	34.5	-1.384	0.018	0.66
FloridaRiver070618_74	FLORIDA RIVER	1235376.255087	2331595.625821	06-07-2018 10:06:15	0.000000	0.002421	0.034615	798.3	35.3	-1.953	0.01	0.143
FloridaRiver070618_75	FLORIDA RIVER	1235328.27519	2331440.217489	06-07-2018 10:11:40	0.000000	0.004595	0.194685	799.9	36.2	0	0.019	0.805
FloridaRiver070618_76	FLORIDA RIVER	1235173.584478	2331532.544608	06-07-2018 10:14:52	0.000000	0.003857	0.056401	798.5	36.7	-0.796	0.016	0.234
FloridaRiver070618_77	FLORIDA RIVER	1235179.104807	2331552.641819	06-07-2018 10:17:05	0.000000	0.002650	0.097098	798.7	36.9	-0.899	0.011	0.403
FloridaRiver070618_78	FLORIDA RIVER	1235198.955013	2331589.505427	06-07-2018 10:19:35	0.000000	0.003131	0.515605	799.1	37.2	0	0.013	2.141
FloridaRiver070618_79	FLORIDA RIVER	1235230.7806	2331651.451963	06-07-2018 10:23:41	0.000000	0.003610	1.837127	799.4	37.5	0	0.015	7.633
FloridaRiver070618_80	FLORIDA RIVER	1235221.342371	2331690.526961	06-07-2018 10:25:48	3.176885	0.002886	2.542133	799.4	37.7	13.208	0.012	10.569
FloridaRiver070618_81	FLORIDA RIVER	1234982.488929	2331414.80216	06-07-2018 10:31:21	0.000000	0.000721	0.053571	800.2	38.4	0	0.003	0.223
FloridaRiver070618_82	FLORIDA RIVER	1234778.308059	2331434.5206	06-07-2018 10:34:05	0.000000	0.006224	0.478074	798.2	38.7	0	0.026	1.997
FloridaRiver070618_83	FLORIDA RIVER	1234743.245291	2331562.456044	06-07-2018 10:36:04	0.000000	0.004306	0.074874	798.1	38.9	0	0.018	0.313
FloridaRiver070618_84	FLORIDA RIVER	1234544.644316	2331382.455135	06-07-2018 10:38:48	0.000000	0.009562	0.185271	798.1	39.1	0	0.04	0.775
FloridaRiver070618_85	FLORIDA RIVER	1234525.598105	2331199.280519	06-07-2018 10:52:27	0.000000	0.000000	0.075749	798.3	40.3	-0.335	0	0.318
FloridaRiver070618_86	FLORIDA RIVER	1234763.11499	2331226.543479	06-07-2018 10:55:32	0.000000	0.000714	0.061176	798.0	40.4	0	0.003	0.257
FloridaRiver070618_87	FLORIDA RIVER	1234947.758704	2331402.3626	06-07-2018 10:58:40	0.000000	0.004045	0.353786	797.6	40.4	-0.001	0.017	1.487
FloridaRiver070618_88	FLORIDA RIVER	1235140.565525	2331379.541489	06-07-2018 11:02:08	0.000000	0.000714	0.205743	798.3	40.4	-0.559	0.003	0.864
FloridaRiver070618_89	FLORIDA RIVER	1235079.389205	2331248.507563	06-07-2018 11:05:02	0.000000	0.000000	0.352967	797.9	40.4	-0.407	-0.002	1.483
FloridaRiver070618_90	FLORIDA RIVER	1235173.610681	2331214.066893	06-07-2018 11:07:39	0.000000	0.002854	0.134866	797.4	40.4	-0.001	0.012	0.567
FloridaRiver070618_91	FLORIDA RIVER	1235038.92358	2331184.9536	06-07-2018 11:10:15	1.435818	0.001903	0.561625	797.2	40.3	6.036	0.008	2.361
FloridaRiver070618_92	FLORIDA RIVER	1235126.50365	2331072.68268	06-07-2018 11:12:36	0.000000	0.001666	0.156086	797.4	40.3	-0.606	0.007	0.656
FloridaRiver070618_93	FLORIDA RIVER	1235219.75325	2330965.496157	06-07-2018 11:15:22	0.000000	0.000713	0.094329	796.8	40.5	-0.527	0.003	0.397
FloridaRiver070618_94	FLORIDA RIVER	1235211.382892	2330809.189476	06-07-2018 11:18:03	0.000000	0.000949	0.223318	796.1	40.6	-0.515	0.004	0.941

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver070618_95	FLORIDA RIVER	1235041.585429	2330639.905756	06-07-2018 11:21:17	0.000000	0.007350	0.126609	795.6	40.7	-0.514	0.031	0.534
FloridaRiver070618_96	FLORIDA RIVER	1234994.563338	2330775.447314	06-07-2018 11:24:04	0.000000	0.000948	0.105651	795.4	40.9	-0.053	0.004	0.446
FloridaRiver070618_97	FLORIDA RIVER	1234923.418014	2330869.978723	06-07-2018 11:26:32	0.393401	0.001422	0.944399	796.0	41.0	1.66	0.006	3.985
FloridaRiver070618_98	FLORIDA RIVER	1234978.267562	2330961.381027	06-07-2018 11:28:48	0.000000	0.007343	1.035584	796.1	41.2	-1.011	0.031	4.372
FloridaRiver070618_99	FLORIDA RIVER	1234742.269904	2330985.067586	06-07-2018 11:31:17	0.000000	0.000237	0.076010	796.1	41.3	-1.557	0.001	0.321
CarbonJunction061818_01	GUN CLUB SPR	1215027.506441	2309922.270326	18-06-2018 10:10:29	0.000000	0.001002	0.143227	806.5	28.1	-1.685	0.004	0.572
CarbonJunction061818_02	GUN CLUB SPR	1215045.423971	2310079.265972	18-06-2018 10:14:32	0.000000	0.003739	0.406009	806.5	29.5	-0.771	0.015	1.629
CarbonJunction061818_03	GUN CLUB SPR	1214787.794322	2309977.495306	18-06-2018 10:21:04	0.414673	0.010156	0.893753	806.6	31.4	1.674	0.041	3.608
CarbonJunction061818_04	GUN CLUB SPR	1214606.823951	2309949.051539	18-06-2018 10:24:35	0.531437	0.007659	0.622604	806.6	32.2	2.151	0.031	2.52
CarbonJunction061818_05	GUN CLUB SPR	1214930.345164	2309779.783349	18-06-2018 10:29:03	0.632000	0.006645	0.420595	806.1	33.2	2.568	0.027	1.709
CarbonJunction061818_06	GUN CLUB SPR	1215046.486379	2309791.65711	18-06-2018 10:31:45	0.000000	0.007368	0.465401	806.0	33.8	-0.264	0.03	1.895
CarbonJunction061818_07	GUN CLUB SPR	1215055.944847	2309671.959495	18-06-2018 10:35:28	0.000000	0.007352	0.561201	806.1	34.5	-1.275	0.03	2.29
CarbonJunction061818_08	GUN CLUB SPR	1214778.748959	2309638.99001	18-06-2018 10:39:34	0.000000	0.009526	0.001710	805.5	35.3	-0.001	0.039	0.007
CarbonJunction061818_09	GUN CLUB SPR	1214758.120414	2309733.62326	18-06-2018 10:42:24	0.000000	0.001950	0.193084	805.3	35.8	0	0.008	0.792
CarbonJunction061818_10	GUN CLUB SPR	1214694.192227	2309634.499963	18-06-2018 10:45:34	182.490500	0.018748	3.621727	805.3	36.2	749.517	0.077	14.875
CarbonJunction061818_11	GUN CLUB SPR	1214689.232044	2309606.580566	18-06-2018 10:48:41	0.000000	0.006321	0.633525	805.1	36.6	-1.784	0.026	2.606
CarbonJunction061818_12	GUN CLUB SPR	1214684.049703	2309665.136229	18-06-2018 10:52:02	246.582600	0.008006	5.622555	805.0	37.2	1016.406	0.033	23.176
CarbonJunction061818_13	GUN CLUB SPR	1214646.258014	2309756.039571	18-06-2018 10:56:05	127.687000	0.369000	1.868742	805.5	37.8	527.012	1.523	7.713
CarbonJunction061818_14	GUN CLUB SPR	1214572.263204	2309726.308572	18-06-2018 11:00:24	0.000000	0.000000	0.443779	804.7	38.4	-0.774	-0.005	1.837
CarbonJunction061818_15	GUN CLUB SPR	1214542.006284	2309698.316608	18-06-2018 11:04:00	8.379970	0.013511	4.573722	804.7	38.8	34.733	0.056	18.957
CarbonJunction061818_16	GUN CLUB SPR	1214518.855844	2309601.290691	18-06-2018 11:10:14	83.628080	0.017065	3.852122	803.7	39.6	347.94	0.071	16.027
CarbonJunction061818_17	GUN CLUB SPR	1214489.29453	2309773.824009	18-06-2018 11:15:11	0.000000	0.012691	0.316567	802.0	40.1	-1.508	0.053	1.322
CarbonJunction061818_18	GUN CLUB SPR	1214469.498714	2309796.788699	18-06-2018 11:17:40	5.453023	0.018246	2.238781	804.6	40.3	22.713	0.076	9.325
CarbonJunction061818_19	GUN CLUB SPR	1214440.742499	2309816.462708	18-06-2018 11:20:46	23.088010	0.019924	5.165636	805.0	40.5	96.18	0.083	21.519
CarbonJunction061818_20	GUN CLUB SPR	1214462.148739	2309829.116199	18-06-2018 11:22:45	183.387400	0.014394	3.104748	805.0	40.7	764.442	0.06	12.942
CarbonJunction061818_21	GUN CLUB SPR	1214447.954687	2309842.167279	18-06-2018 11:25:28	393.799600	0.013903	4.413623	804.9	40.9	1642.786	0.058	18.412

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction061818_22	GUN CLUB SPR	1214422.279212	2309844.209978	18-06-2018 11:28:16	114.893000	0.012940	0.983939	805.4	41.2	479.451	0.054	4.106
CarbonJunction061818_23	GUN CLUB SPR	1214458.148261	2309857.806181	18-06-2018 11:30:53	140.319400	0.013167	3.354796	805.4	41.5	586.115	0.055	14.013
CarbonJunction061818_25	GUN CLUB SPR	1214371.830548	2309984.33355	18-06-2018 11:36:55	0.000000	0.007892	0.361851	805.6	41.9	-2.622	0.033	1.513
CarbonJunction061818_26	GUN CLUB SPR	1214194.906284	2309958.866503	18-06-2018 11:40:48	0.000000	0.009076	1.157617	805.0	42.1	-0.001	0.038	4.847
CarbonJunction061818_27	GUN CLUB SPR	1214201.537278	2309817.628928	18-06-2018 11:45:56	0.000000	0.003101	0.450825	804.5	42.3	-1.259	0.013	1.89
CarbonJunction061818_28	GUN CLUB SPR	1214317.391867	2309737.041639	18-06-2018 11:51:12	0.000000	0.005948	0.571928	802.9	42.5	-0.725	0.025	2.404
CarbonJunction061818_29	GUN CLUB SPR	1214337.625927	2309601.236603	18-06-2018 11:55:31	0.000000	0.005701	0.315227	802.2	42.7	-0.848	0.024	1.327
CarbonJunction061818_30	GUN CLUB SPR	1214352.43079	2309384.230159	18-06-2018 12:01:21	0.000000	0.002845	0.294225	801.4	43.0	-0.202	0.012	1.241
CarbonJunction061818_31	GUN CLUB SPR	1214314.665179	2309143.858745	18-06-2018 12:27:04	0.000000	0.007800	0.911191	797.7	42.5	-2.511	0.033	3.855
CarbonJunction061818_32	GUN CLUB SPR	1214213.09797	2309053.633493	18-06-2018 12:31:37	0.000000	0.007076	0.254497	795.5	42.3	-0.555	0.03	1.079
CarbonJunction061818_33	GUN CLUB SPR	1214298.433142	2308962.629792	18-06-2018 12:35:34	0.614762	0.011764	0.479952	793.5	42.3	2.613	0.05	2.04
CarbonJunction061818_34	GUN CLUB SPR	1214077.227223	2308782.876452	18-06-2018 12:43:46	0.000000	0.001881	0.081608	793.7	42.5	-0.748	0.008	0.347
CarbonJunction061818_35	GUN CLUB SPR	1214074.906871	2308638.491413	18-06-2018 12:47:10	0.000000	0.003046	0.008668	790.9	42.6	-0.686	0.013	0.037
CarbonJunction061818_36	GUN CLUB SPR	1213987.902475	2308574.779076	18-06-2018 12:50:50	0.000000	0.003047	0.121636	791.7	42.8	0	0.013	0.519
CarbonJunction061818_37	GUN CLUB SPR	1213918.640754	2308423.487213	18-06-2018 12:55:34	0.000000	0.001871	0.292131	790.6	43.0	-0.781	0.008	1.249
CarbonJunction061918_100	GUN CLUB SPR	1214422.023846	2308854.45436	19-06-2018 12:54:33	55.082470	0.002817	2.177175	796.3	44.1	234.632	0.012	9.274
CarbonJunction061918_101	GUN CLUB SPR	1214577.518184	2309154.455203	19-06-2018 13:03:28	0.000000	0.006327	0.309066	795.8	44.5	-1.22	0.027	1.319
CarbonJunction061918_102	GUN CLUB SPR	1214533.018638	2309330.123628	19-06-2018 13:08:20	0.000000	0.004704	1.037941	799.3	44.7	-0.902	0.02	4.413
CarbonJunction061918_103	GUN CLUB SPR	1214717.50941	2309636.674523	19-06-2018 13:25:56	5.608932	0.008496	4.681897	803.3	45.2	23.766	0.036	19.838
CarbonJunction061918_61	GUN CLUB SPR	1214925.244176	2309569.508971	19-06-2018 10:25:12	0.000000	0.001240	0.179082	804.2	30.1	-8.108	0.005	0.722
CarbonJunction061918_62	GUN CLUB SPR	1214879.857756	2309434.403243	19-06-2018 10:28:51	0.000000	0.002717	0.279388	804.1	31.3	-0.001	0.011	1.131
CarbonJunction061918_63	GUN CLUB SPR	1214734.22895	2309394.539005	19-06-2018 10:38:40	0.000000	0.001712	0.073353	802.7	33.9	-0.001	0.007	0.3
CarbonJunction061918_64	GUN CLUB SPR	1214686.083442	2309400.715348	19-06-2018 10:40:59	8.690117	0.002683	1.180470	802.0	34.4	35.63	0.011	4.84
CarbonJunction061918_65	GUN CLUB SPR	1214662.954947	2309362.710811	19-06-2018 10:43:46	13.740090	0.002920	2.637440	801.5	34.9	56.462	0.012	10.838
CarbonJunction061918_66	GUN CLUB SPR	1214665.518365	2309335.727442	19-06-2018 10:46:23	14.703360	0.008259	1.092386	801.1	35.3	60.529	0.034	4.497
CarbonJunction061918_67	GUN CLUB SPR	1214657.643133	2309318.233532	19-06-2018 10:48:37	0.651864	0.003880	0.516544	800.8	35.7	2.688	0.016	2.13

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction061918_68	GUN CLUB SPR	1214655.914244	2309307.120295	19-06-2018 10:50:22	0.723429	0.003150	1.558545	800.8	36.0	2.986	0.013	6.433
CarbonJunction061918_69	GUN CLUB SPR	1214767.468087	2309177.287778	19-06-2018 10:54:41	0.000000	0.002658	0.167704	800.8	36.8	-0.801	0.011	0.694
CarbonJunction061918_70	GUN CLUB SPR	1214780.910403	2309039.153323	19-06-2018 10:59:28	0.000000	0.003612	0.258826	800.2	37.7	0	0.015	1.075
CarbonJunction061918_71	GUN CLUB SPR	1214625.737108	2308919.799115	19-06-2018 11:03:58	0.000000	0.000000	0.000000	798.4	38.4	-0.289	-0.001	-0.229
CarbonJunction061918_72	GUN CLUB SPR	1214647.767122	2308840.037208	19-06-2018 11:07:57	0.000000	0.001673	0.146527	797.5	38.9	-1.333	0.007	0.613
CarbonJunction061918_73	GUN CLUB SPR	1214707.865958	2308771.376506	19-06-2018 11:10:37	0.000000	0.003341	0.259623	796.9	39.2	0	0.014	1.088
CarbonJunction061918_74	GUN CLUB SPR	1214579.521664	2308638.147605	19-06-2018 11:16:20	0.000000	0.003570	3.541958	796.3	39.8	-0.595	0.015	14.883
CarbonJunction061918_75	GUN CLUB SPR	1214704.335736	2308572.385432	19-06-2018 11:19:37	0.000000	0.003326	0.000000	795.3	40.0	-1.494	0.014	-0.368
CarbonJunction061918_76	GUN CLUB SPR	1214730.20325	2308483.310102	19-06-2018 11:22:25	0.000000	0.004029	0.178221	794.0	40.2	-1.762	0.017	0.752
CarbonJunction061918_98	GUN CLUB SPR	1214405.90546	2308598.482299	19-06-2018 12:49:28	0.000000	0.003034	0.110846	791.3	44.0	-1.412	0.013	0.475
CarbonJunction061918_99	GUN CLUB SPR	1214385.577495	2308823.722732	19-06-2018 12:52:33	0.000000	0.005634	0.299555	796.3	44.1	-2.561	0.024	1.276
CarbonJunction070218_01	GUN CLUB SPR	1215226.219442	2310278.042027	02-07-2018 11:22:07	0.000000	0.001738	0.165338	807.3	31.0	-0.988	0.007	0.666
CarbonJunction070218_02	GUN CLUB SPR	1215191.480977	2310304.18182	02-07-2018 11:25:44	0.000000	0.001483	0.315375	807.7	32.5	0	0.006	1.276
CarbonJunction070218_03	GUN CLUB SPR	1215176.549964	2310321.24833	02-07-2018 11:28:53	0.000000	0.005915	0.451014	808.3	33.6	0	0.024	1.83
CarbonJunction070218_04	GUN CLUB SPR	1215161.921066	2310331.848203	02-07-2018 11:31:10	0.000000	0.008353	0.297511	808.1	34.5	-0.003	0.034	1.211
CarbonJunction070218_05	GUN CLUB SPR	1215144.242674	2310328.067027	02-07-2018 11:33:52	0.000000	0.010785	0.317661	808.6	35.4	0	0.044	1.296
CarbonJunction070218_06	GUN CLUB SPR	1214984.603502	2310348.665617	02-07-2018 11:40:55	0.000000	0.001461	0.481828	808.4	37.4	-0.597	0.006	1.979
CarbonJunction070218_07	GUN CLUB SPR	1214967.839392	2310345.171783	02-07-2018 11:43:33	0.960375	0.003161	1.164121	809.1	38.1	3.95	0.013	4.788
CarbonJunction070218_08	GUN CLUB SPR	1214961.651395	2310358.594164	02-07-2018 11:45:48	5.662510	0.005095	0.914271	808.5	38.5	23.337	0.021	3.768
CarbonJunction070218_09	GUN CLUB SPR	1214941.854916	2310357.26749	02-07-2018 11:48:17	10.672130	0.008241	2.614468	808.9	39.0	44.032	0.034	10.787
CarbonJunction070218_10	GUN CLUB SPR	1214900.685804	2310341.622175	02-07-2018 11:50:59	106.913000	0.181202	3.033735	808.7	39.5	441.927	0.749	12.54
CarbonJunction070218_11	GUN CLUB SPR	1214903.526969	2310344.895004	02-07-2018 11:53:30	15.029560	0.006038	4.418157	808.6	40.0	62.232	0.025	18.294
CarbonJunction070218_12	GUN CLUB SPR	1214905.762995	2310372.572351	02-07-2018 11:59:21	0.678594	0.001205	0.040243	809.4	41.0	2.816	0.005	0.167
CarbonJunction070218_13	GUN CLUB SPR	1214889.0318	2310399.180589	02-07-2018 12:05:01	0.558565	0.000961	0.018739	809.5	42.0	2.325	0.004	0.078
CarbonJunction070218_14	GUN CLUB SPR	1214813.755253	2310289.132829	02-07-2018 12:20:01	0.000000	0.001669	0.165729	809.1	44.2	-1.469	0.007	0.695
CarbonJunction070218_15	GUN CLUB SPR	1214638.511666	2310326.66214	02-07-2018 12:23:35	1.792313	0.001189	0.749275	808.1	44.6	7.535	0.005	3.15

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction070218_16	GUN CLUB SPR	1214472.608928	2310332.072547	02-07-2018 12:27:01	0.000000	0.001426	0.694340	808.3	45.0	-1.61	0.006	2.922
CarbonJunction070218_17	GUN CLUB SPR	1214226.561148	2310318.083231	02-07-2018 12:34:52	0.000000	0.002133	0.146493	808.1	45.7	-0.001	0.009	0.618
CarbonJunction070218_18	GUN CLUB SPR	1214176.679653	2310177.738225	02-07-2018 12:38:33	0.000000	0.002369	0.082440	808.1	45.9	-1.77	0.01	0.348
CarbonJunction070218_19	GUN CLUB SPR	1214312.503534	2310113.422247	02-07-2018 12:41:49	0.000000	0.000000	0.108729	806.8	46.1	0	-0.01	0.46
CarbonJunction070218_20	GUN CLUB SPR	1214502.346559	2310080.57982	02-07-2018 12:46:17	6.146813	0.003540	1.809399	806.3	46.4	26.046	0.015	7.667
CarbonJunction070218_21	GUN CLUB SPR	1214524.696573	2310108.607465	02-07-2018 12:49:03	77.837690	0.031374	1.211079	806.7	46.7	329.969	0.133	5.134
CarbonJunction070218_22	GUN CLUB SPR	1214554.610805	2310107.199753	02-07-2018 12:51:16	4.422287	0.008489	1.940675	806.9	46.9	18.754	0.036	8.23
CarbonJunction070218_23	GUN CLUB SPR	1214586.609428	2310146.797855	02-07-2018 12:54:17	1.911659	0.002122	2.808434	807.2	47.1	8.109	0.009	11.913
CarbonJunction070218_24	GUN CLUB SPR	1214774.737771	2310172.504635	02-07-2018 12:57:36	3.273950	0.004709	2.775500	807.2	47.5	13.905	0.02	11.788
CarbonJunction070218_25	GUN CLUB SPR	1214885.25643	2310199.625853	02-07-2018 13:00:23	8.783917	0.019060	1.996559	807.2	47.7	37.33	0.081	8.485
CarbonJunction070218_26	GUN CLUB SPR	1214900.398808	2310180.44688	02-07-2018 13:02:32	0.719035	0.004231	0.309568	807.1	48.0	3.059	0.018	1.317
CarbonJunction070218_27	GUN CLUB SPR	1215404.278545	2310615.787949	02-07-2018 13:16:43	0.000000	0.001404	0.041898	806.7	49.2	-0.888	0.006	0.179
CarbonJunction070218_28	GUN CLUB SPR	1215213.416139	2310587.259611	02-07-2018 13:19:33	0.000000	0.001641	0.388332	808.2	49.2	-1.381	0.007	1.656
CarbonJunction070218_29	GUN CLUB SPR	1215165.33555	2310693.437368	02-07-2018 13:23:10	5.099146	0.003046	1.500342	807.7	49.3	21.765	0.013	6.404
CarbonJunction070218_30	GUN CLUB SPR	1215012.129761	2310692.072711	02-07-2018 13:25:48	0.000000	0.000000	0.158052	807.5	49.4	-0.391	-0.01	0.675
CarbonJunction070218_31	GUN CLUB SPR	1214955.934411	2310614.878494	02-07-2018 13:29:36	0.000000	0.002107	0.455780	807.3	49.4	-0.022	0.009	1.947
CarbonJunction070218_32	GUN CLUB SPR	1214769.716556	2310539.023755	02-07-2018 13:34:10	0.000000	0.000000	0.000000	808.2	49.4	-0.198	-0.007	-0.148
CarbonJunction070218_33	GUN CLUB SPR	1214608.336954	2310557.479074	02-07-2018 13:37:11	0.000000	0.001881	0.363500	810.6	49.3	-0.766	0.008	1.546
CarbonJunction070218_34	GUN CLUB SPR	1214393.689412	2310572.837746	02-07-2018 13:42:00	0.000000	0.003517	0.298913	808.0	49.2	-0.743	0.015	1.275
CarbonJunction070218_35	GUN CLUB SPR	1214250.764629	2310598.635554	02-07-2018 13:45:27	0.000000	0.002581	0.241465	808.5	49.1	-0.68	0.011	1.029
CarbonJunction070218_36	GUN CLUB SPR	1214192.69962	2310663.055458	02-07-2018 13:52:39	0.000000	0.003049	0.088194	807.9	49.0	-0.64	0.013	0.376
CarbonJunction070218_37	GUN CLUB SPR	1214373.979977	2310697.979921	02-07-2018 14:01:06	0.000000	0.003049	0.058167	807.1	48.7	-0.512	0.013	0.248
CarbonJunction070218_38	GUN CLUB SPR	1214533.735713	2310743.172801	02-07-2018 14:03:44	0.000000	0.000000	0.004456	806.8	48.6	-0.34	-0.001	0.019
CarbonJunction070218_39	GUN CLUB SPR	1214756.280947	2310749.550205	02-07-2018 14:07:09	0.000000	0.002346	0.040352	806.8	48.5	-1.259	0.01	0.172
CarbonJunction070218_40	GUN CLUB SPR	1214763.475431	2310868.495962	02-07-2018 14:09:39	0.000000	0.001876	0.104848	806.4	48.4	-1.22	0.008	0.447
CarbonJunction070218_41	GUN CLUB SPR	1214944.041094	2310992.50816	02-07-2018 14:12:42	0.000000	0.001876	0.086542	806.3	48.4	-0.286	0.008	0.369

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction070218_42	GUN CLUB SPR	1214961.524641	2311135.161152	02-07-2018 14:15:05	0.000000	0.000000	0.122818	805.8	48.4	-1.084	0	0.524
CarbonJunction070218_43	GUN CLUB SPR	1214805.493819	2311184.259765	02-07-2018 14:17:41	0.000000	0.001641	0.154723	806.2	48.5	-0.541	0.007	0.66
CarbonJunction070218_44	GUN CLUB SPR	1214758.052679	2311308.167388	02-07-2018 14:20:39	0.000000	0.001638	0.031823	805.2	48.7	0	0.007	0.136
CarbonJunction070218_45	GUN CLUB SPR	1215133.618806	2310933.702099	02-07-2018 14:25:20	0.000000	0.001871	0.049809	805.2	48.9	-0.748	0.008	0.213
CarbonJunction070218_46	GUN CLUB SPR	1215363.724986	2310814.531427	02-07-2018 14:28:37	0.000000	0.003276	0.066926	806.0	49.0	-0.522	0.014	0.286
CarbonJunction070218_47	GUN CLUB SPR	1215577.708533	2310662.779151	02-07-2018 14:32:42	0.000000	0.003509	0.104802	806.0	49.1	-0.342	0.015	0.448
CarbonJunction070218_49	GUN CLUB SPR	1215570.746166	2310896.817327	02-07-2018 14:40:18	0.000000	0.004438	0.665637	805.2	49.3	-0.977	0.019	2.85
CarbonJunction070218_55	GUN CLUB SPR	1215648.356371	2311177.391271	02-07-2018 15:04:10	0.000000	0.000000	0.479839	803.9	49.8	-1.564	-0.004	2.061
CarbonJunction070218_56	GUN CLUB SPR	1215407.9731	2311202.536145	02-07-2018 15:07:00	0.000000	0.002095	0.019320	803.5	49.7	-0.705	0.009	0.083
CarbonJunction070218_57	GUN CLUB SPR	1215402.059784	2311103.962767	02-07-2018 15:09:40	0.000000	0.003028	0.106211	804.0	49.7	-0.713	0.013	0.456
CarbonJunction070218_58	GUN CLUB SPR	1215174.754822	2311230.383572	02-07-2018 15:12:38	0.000000	0.002798	0.125692	804.7	49.6	-0.578	0.012	0.539
PineRiver060118_01	PINE RIVER	1240336.09472	2381724.539777	01-06-2018 10:34:32	0.000000	0.000000	0.417680	779.8	24.4	-5.431	-0.007	1.704
PineRiver060118_02	PINE RIVER	1240348.9018	2381589.803724	01-06-2018 10:37:30	0.000000	0.000000	0.037879	779.8	25.3	0	-0.005	0.155
PineRiver060118_03	PINE RIVER	1240384.122319	2381391.284956	01-06-2018 10:41:56	0.000000	0.000000	0.021005	773.5	26.5	-0.001	0	0.087
PineRiver060118_04	PINE RIVER	1240457.457941	2381196.416675	01-06-2018 10:46:28	0.000000	0.000960	0.324552	772.1	27.9	0	0.004	1.353
PineRiver060118_05	PINE RIVER	1240764.992694	2381181.239872	01-06-2018 10:50:46	0.000000	0.000000	0.041025	771.3	29.3	-0.001	0	0.172
PineRiver060118_06	PINE RIVER	1240975.576442	2381192.46369	01-06-2018 10:58:05	0.000000	0.000237	0.117131	770.5	31.4	-0.272	0.001	0.495
PineRiver060118_14	PINE RIVER	1241010.875779	2381357.443022	01-06-2018 11:49:27	0.000000	0.000000	0.079539	769.2	38.0	-0.997	-0.002	0.344
PineRiver060118_15	PINE RIVER	1240944.94992	2381594.779605	01-06-2018 11:54:28	0.000000	0.000232	0.144709	770.5	38.1	-0.275	0.001	0.625
PineRiver060118_16	PINE RIVER	1240968.995983	2381746.200539	01-06-2018 11:59:34	0.000000	0.002779	0.098872	770.8	38.2	0	0.012	0.427
PineRiver060118_17	PINE RIVER	1240931.763945	2381934.021039	01-06-2018 12:03:36	0.000000	0.000464	0.012523	772.0	38.2	-0.791	0.002	0.054
PineRiver060118_18	PINE RIVER	1240824.676559	2381921.547683	01-06-2018 12:07:12	0.000000	0.000000	0.080106	771.2	38.4	-3.762	-0.002	0.346
PineRiver060118_19	PINE RIVER	1240747.521764	2382137.860226	01-06-2018 12:11:58	0.000000	0.000000	0.052344	772.0	38.6	-0.001	-0.008	0.226
PineRiver060118_20	PINE RIVER	1240754.1953	2382253.78307	01-06-2018 12:14:57	0.000000	0.000000	0.155110	769.6	38.7	-0.001	-0.004	0.672
PineRiver060118_21	PINE RIVER	1240631.008218	2382383.525673	01-06-2018 12:19:26	0.000000	0.000000	0.092002	769.3	38.9	-0.001	-0.006	0.399
PineRiver060118_22	PINE RIVER	1240583.429315	2382180.371791	01-06-2018 12:23:25	0.000000	0.000000	0.090038	770.5	39.0	-4.032	-0.011	0.39

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver060118_23	PINE RIVER	1240558.624961	2382025.303241	01-06-2018 12:27:06	0.000000	0.000231	0.152206	770.4	39.3	-1.606	0.001	0.66
PineRiver060118_24	PINE RIVER	1240437.703879	2381990.564375	01-06-2018 12:30:02	0.000000	0.000231	0.136365	771.3	39.5	-1.818	0.001	0.591
PineRiver060118_25	PINE RIVER	1240356.028255	2382193.055579	01-06-2018 12:33:51	0.000000	0.000923	0.006230	772.0	39.8	-0.716	0.004	0.027
PineRiver060118_26	PINE RIVER	1240342.570503	2382331.380051	01-06-2018 12:38:58	0.000000	0.000230	0.115200	771.9	40.2	-1.38	0.001	0.5
PineRiver060118_27	PINE RIVER	1240177.559786	2382325.629474	01-06-2018 12:41:52	0.000000	0.000000	0.041545	773.5	40.3	-1.708	-0.001	0.18
PineRiver060118_28	PINE RIVER	1240586.388433	2381789.335315	01-06-2018 12:48:05	0.000000	0.000923	0.075935	774.0	40.5	-0.563	0.004	0.329
PineRiver060118_29	PINE RIVER	1240686.685742	2381755.427341	01-06-2018 12:51:55	68.549070	0.000922	2.404672	773.4	40.6	297.324	0.004	10.43
PineRiver060118_30	PINE RIVER	1240758.530177	2381758.350361	01-06-2018 12:54:38	28.618120	0.001382	1.644137	772.7	40.7	124.28	0.006	7.14
PineRiver060118_31	PINE RIVER	1240772.813887	2381616.260164	01-06-2018 12:58:08	23.034340	0.000920	0.689134	772.6	40.9	100.108	0.004	2.995
PineRiver060118_32	PINE RIVER	1240762.194111	2381438.221005	01-06-2018 13:01:03	5.183479	0.000460	2.531830	772.7	41.1	22.539	0.002	11.009
PineRiver060118_33	PINE RIVER	1240599.162195	2381361.663232	01-06-2018 13:04:12	0.000000	0.000689	0.000000	772.3	41.3	0	0.003	-0.307
PineRiver060118_34	PINE RIVER	1240633.767143	2381575.089862	01-06-2018 13:07:25	1.057170	0.000919	1.486882	772.4	41.4	4.603	0.004	6.474
PineRiver060118_35	PINE RIVER	1240534.489703	2381625.929543	01-06-2018 13:10:02	0.000000	0.002069	0.148961	773.1	41.4	-1.018	0.009	0.648
PineRiver072318_01	PINE RIVER	1238640.778666	2389503.614635	23-07-2018 10:06:27	0.000000	0.003922	1.388957	791.4	28.8	-0.24	0.016	5.666
PineRiver072318_02	PINE RIVER	1238600.065864	2389515.389942	23-07-2018 10:09:04	0.000000	0.001468	1.236230	791.4	29.4	-0.985	0.006	5.053
PineRiver072318_03	PINE RIVER	1238546.002414	2389506.895943	23-07-2018 10:13:10	0.000000	0.005121	0.905647	791.4	30.4	0	0.021	3.714
PineRiver072318_04	PINE RIVER	1238543.713618	2389463.747532	23-07-2018 10:15:17	0.000000	0.003894	1.204082	791.5	31.0	0	0.016	4.947
PineRiver072318_05	PINE RIVER	1238552.026495	2389420.628375	23-07-2018 10:17:27	0.000000	0.005587	1.583092	791.5	31.6	0	0.023	6.517
PineRiver072318_06	PINE RIVER	1238604.911207	2389402.693603	23-07-2018 10:19:51	0.000000	0.006542	0.793027	791.8	32.5	0	0.027	3.273
PineRiver072318_07	PINE RIVER	1238638.719866	2389394.926008	23-07-2018 10:21:40	0.000000	0.005076	1.173680	791.4	33.1	0	0.021	4.856
PineRiver072318_08	PINE RIVER	1238648.305206	2389439.451652	23-07-2018 10:24:19	0.000000	0.003856	1.084104	791.5	34.0	0	0.016	4.498
PineRiver072318_09	PINE RIVER	1238621.387491	2389466.651009	23-07-2018 10:26:49	2.341668	0.003125	1.343557	791.5	34.8	9.741	0.013	5.589
PineRiver072318_10	PINE RIVER	1238611.470659	2389458.564443	23-07-2018 10:29:35	0.718028	0.006471	1.190642	791.4	35.7	2.996	0.027	4.968
PineRiver072318_100	PINE RIVER	1238408.980214	2386011.391376	23-07-2018 14:48:56	0.000000	0.000000	0.099257	784.7	48.5	0	-0.008	0.435
PineRiver072318_101	PINE RIVER	1238351.281201	2386116.920464	23-07-2018 14:51:48	0.000000	0.000684	0.098484	784.0	48.5	-0.845	0.003	0.432
PineRiver072318_102	PINE RIVER	1238185.760375	2386317.646604	23-07-2018 14:55:28	0.000000	0.002514	0.144885	785.9	48.5	-1.024	0.011	0.634

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PineRiver072318_11	PINE RIVER	1238649.044574	2389471.880035	23-07-2018 10:31:40	0.000000	0.007413	0.773315	791.4	36.4	0	0.031	3.234
PineRiver072318_12	PINE RIVER	1238603.041472	2389447.007679	23-07-2018 10:33:27	0.000000	0.006447	1.186489	791.8	37.0	0	0.027	4.969
PineRiver072318_13	PINE RIVER	1238603.529828	2389476.894577	23-07-2018 10:35:23	0.000000	0.004051	0.529206	791.4	37.5	-0.698	0.017	2.221
PineRiver072318_14	PINE RIVER	1238611.74243	2389496.945101	23-07-2018 10:37:08	0.000000	0.004520	0.800264	791.4	38.0	-1.103	0.019	3.364
PineRiver072318_15	PINE RIVER	1238112.383216	2389628.504659	23-07-2018 10:44:02	0.000000	0.006156	1.357838	791.7	39.6	0	0.026	5.735
PineRiver072318_16	PINE RIVER	1238137.418611	2389571.797969	23-07-2018 10:47:31	0.000000	0.000473	0.582307	791.5	40.1	0	0.002	2.464
PineRiver072318_17	PINE RIVER	1238156.568201	2389520.252514	23-07-2018 10:49:26	0.000000	0.005666	0.565893	791.7	40.5	-0.704	0.024	2.397
PineRiver072318_18	PINE RIVER	1238108.541142	2389452.114385	23-07-2018 10:51:30	0.000000	0.006131	0.816385	791.8	40.9	0	0.026	3.462
PineRiver072318_19	PINE RIVER	1238054.558504	2389439.171517	23-07-2018 10:53:41	0.000000	0.003769	1.430545	791.7	41.2	-0.569	0.016	6.073
PineRiver072318_20	PINE RIVER	1238003.430867	2389438.300012	23-07-2018 10:58:32	0.000000	0.003996	1.501168	791.7	41.9	-0.003	0.017	6.387
PineRiver072318_21	PINE RIVER	1237958.744658	2389434.092597	23-07-2018 11:00:35	0.000000	0.005169	0.216882	792.0	42.1	-1.067	0.022	0.923
PineRiver072318_22	PINE RIVER	1237950.442019	2389487.923614	23-07-2018 11:03:18	0.000000	0.007984	1.040983	792.0	42.3	0	0.034	4.433
PineRiver072318_23	PINE RIVER	1237948.07609	2389532.53821	23-07-2018 11:05:05	0.000000	0.005631	0.360607	791.8	42.5	-2.688	0.024	1.537
PineRiver072318_24	PINE RIVER	1237949.716742	2389589.917836	23-07-2018 11:07:04	0.000000	0.002345	0.337743	791.8	42.6	0	0.01	1.44
PineRiver072318_25	PINE RIVER	1237997.074188	2389602.937344	23-07-2018 11:09:07	0.000000	0.005629	0.703820	792.0	42.7	-2.416	0.024	3.001
PineRiver072318_26	PINE RIVER	1238041.347415	2389602.422102	23-07-2018 11:11:18	0.000000	0.004686	1.189028	791.7	42.9	0	0.02	5.075
PineRiver072318_27	PINE RIVER	1238095.916928	2389574.607807	23-07-2018 11:13:50	0.000000	0.002108	0.015221	791.8	43.1	-3.354	0.009	0.065
PineRiver072318_28	PINE RIVER	1238085.623263	2389507.760335	23-07-2018 11:16:18	0.000000	0.002340	1.211392	791.7	43.3	0	0.01	5.177
PineRiver072318_29	PINE RIVER	1238062.141232	2389504.328941	23-07-2018 11:17:51	0.000000	0.001637	0.314156	791.7	43.4	0	0.007	1.343
PineRiver072318_30	PINE RIVER	1238049.211513	2389549.763532	23-07-2018 11:19:29	0.000000	0.005145	1.065876	791.7	43.5	0	0.022	4.558
PineRiver072318_31	PINE RIVER	1237993.787247	2389561.38213	23-07-2018 11:21:26	0.000000	0.004910	0.841924	791.8	43.6	-0.27	0.021	3.601
PineRiver072318_32	PINE RIVER	1237989.27644	2389517.616573	23-07-2018 11:23:09	0.000000	0.002805	0.893071	792.0	43.7	-0.16	0.012	3.82
PineRiver072318_33	PINE RIVER	1238021.845591	2389488.824929	23-07-2018 11:24:46	0.000000	0.003272	0.159627	792.0	43.8	-0.624	0.014	0.683
PineRiver072318_34	PINE RIVER	1238182.636894	2389157.467799	23-07-2018 11:29:49	0.000000	0.003734	1.947863	791.8	44.2	-0.001	0.016	8.347
PineRiver072318_35	PINE RIVER	1238395.777282	2389151.241186	23-07-2018 11:32:09	0.000000	0.007466	0.926677	792.1	44.4	0	0.032	3.972
PineRiver072318_36	PINE RIVER	1238375.668852	2388952.380564	23-07-2018 11:34:35	0.000000	0.007924	0.966762	791.8	44.6	-0.396	0.034	4.148

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver072318_37	PINE RIVER	1238143.398592	2388989.529597	23-07-2018 11:37:20	0.000000	0.005825	1.343995	792.1	44.8	-0.644	0.025	5.768
PineRiver072318_38	PINE RIVER	1238162.471686	2388775.311212	23-07-2018 11:39:51	0.000000	0.006988	1.333090	792.1	44.9	-0.302	0.03	5.723
PineRiver072318_39	PINE RIVER	1238346.264683	2388729.298285	23-07-2018 11:42:25	0.000000	0.008376	1.362059	791.7	45.1	-0.578	0.036	5.854
PineRiver072318_40	PINE RIVER	1238195.975759	2388596.092453	23-07-2018 11:45:25	0.000000	0.003489	1.179889	791.8	45.2	0	0.015	5.072
PineRiver072318_41	PINE RIVER	1238346.999708	2388393.315917	23-07-2018 11:48:01	0.000000	0.005581	0.789191	791.7	45.3	-1.193	0.024	3.394
PineRiver072318_42	PINE RIVER	1238403.34839	2388479.148293	23-07-2018 11:50:18	0.000000	0.004650	0.926208	791.8	45.4	-1.022	0.02	3.984
PineRiver072318_43	PINE RIVER	1238543.339028	2388390.026519	23-07-2018 11:52:29	0.000000	0.008366	0.523086	791.7	45.5	-0.702	0.036	2.251
PineRiver072318_44	PINE RIVER	1238568.379252	2388179.957183	23-07-2018 11:55:26	0.000000	0.005581	0.871565	792.5	45.6	-0.57	0.024	3.748
PineRiver072318_45	PINE RIVER	1238375.02077	2388176.660109	23-07-2018 11:58:13	0.000000	0.005807	0.685641	791.8	45.7	-1.272	0.025	2.952
PineRiver072318_46	PINE RIVER	1238244.239182	2388255.603152	23-07-2018 12:00:58	0.000000	0.001393	0.331165	791.7	45.7	-0.904	0.006	1.426
PineRiver072318_47	PINE RIVER	1238193.405561	2388288.488217	23-07-2018 12:03:28	0.668643	0.004416	1.386789	792.3	45.7	2.877	0.019	5.967
PineRiver072318_48	PINE RIVER	1238173.65837	2388292.341426	23-07-2018 12:05:24	0.000000	0.006740	3.208649	792.3	45.7	-1.979	0.029	13.806
PineRiver072318_49	PINE RIVER	1238159.753281	2388276.098962	23-07-2018 12:07:09	0.000000	0.010218	1.699254	791.7	45.7	-0.294	0.044	7.317
PineRiver072318_50	PINE RIVER	1238142.484847	2388358.211435	23-07-2018 12:09:25	0.000000	0.008360	0.942405	791.7	45.7	-0.001	0.036	4.058
PineRiver072318_51	PINE RIVER	1238134.670762	2388154.539707	23-07-2018 12:12:13	0.000000	0.003949	0.532017	792.0	45.7	-0.69	0.017	2.29
PineRiver072318_52	PINE RIVER	1238174.10433	2388002.606702	23-07-2018 12:14:12	0.000000	0.003019	1.911516	791.7	45.7	-1.003	0.013	8.231
PineRiver072318_53	PINE RIVER	1237969.402461	2387588.778466	23-07-2018 12:31:36	0.000000	0.000697	0.170924	791.7	45.7	-1.683	0.003	0.736
PineRiver072318_54	PINE RIVER	1238019.641855	2387512.862907	23-07-2018 12:34:13	0.000000	0.000465	0.107810	791.6	45.5	-0.036	0.002	0.464
PineRiver072318_55	PINE RIVER	1238098.103658	2387543.503513	23-07-2018 12:37:06	0.000000	0.001162	0.075523	791.7	45.5	-0.137	0.005	0.325
PineRiver072318_56	PINE RIVER	1238283.191102	2387567.327408	23-07-2018 12:40:17	0.000000	0.001858	0.207603	791.4	45.6	-0.227	0.008	0.894
PineRiver072318_57	PINE RIVER	1238543.594452	2387687.50809	23-07-2018 12:44:20	0.000000	0.002784	0.685097	791.4	45.9	0	0.012	2.953
PineRiver072318_58	PINE RIVER	1238538.821347	2387782.986569	23-07-2018 12:46:35	0.000000	0.003478	1.210124	791.2	46.0	-0.946	0.015	5.219
PineRiver072318_59	PINE RIVER	1238573.47869	2387923.544527	23-07-2018 12:50:44	0.000000	0.003013	1.642433	791.3	46.2	0	0.013	7.087
PineRiver072318_60	PINE RIVER	1238334.325462	2387917.562202	23-07-2018 12:54:14	0.000000	0.005562	1.079512	791.8	46.4	-0.789	0.024	4.658
PineRiver072318_61	PINE RIVER	1238343.3279	2387785.318178	23-07-2018 12:57:15	0.000000	0.000695	0.339937	791.4	46.5	-0.312	0.003	1.468
PineRiver072318_62	PINE RIVER	1238136.627702	2387760.533823	23-07-2018 13:00:29	0.000000	0.002315	0.395570	791.3	46.6	-1.174	0.01	1.709

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver072318_63	PINE RIVER	1237995.082866	2387795.925416	23-07-2018 13:04:07	0.000000	0.000694	0.635087	791.2	46.7	-0.8	0.003	2.745
PineRiver072318_64	PINE RIVER	1237954.380711	2387774.415444	23-07-2018 13:07:42	0.000000	0.001850	1.526046	791.2	46.8	-0.086	0.008	6.598
PineRiver072318_65	PINE RIVER	1237954.782849	2387743.222091	23-07-2018 13:09:24	0.000000	0.004856	0.666869	791.0	46.8	-0.672	0.021	2.884
PineRiver072318_66	PINE RIVER	1237989.490881	2387739.879296	23-07-2018 13:10:59	0.000000	0.002082	0.445490	791.0	46.7	-1.416	0.009	1.926
PineRiver072318_67	PINE RIVER	1237953.668844	2387681.875397	23-07-2018 13:13:14	24.891210	0.002313	5.955821	791.0	46.7	107.613	0.01	25.749
PineRiver072318_68	PINE RIVER	1237920.194114	2387717.981191	23-07-2018 13:15:06	0.000000	0.000000	0.045792	790.9	46.7	0	-0.003	0.198
PineRiver072318_69	PINE RIVER	1237923.952144	2387673.798692	23-07-2018 13:17:01	0.000000	0.000925	0.126698	790.9	46.8	-1.129	0.004	0.548
PineRiver072318_70	PINE RIVER	1237940.37583	2387629.232111	23-07-2018 13:18:33	0.000000	0.000000	0.018727	790.9	46.8	-0.857	-0.009	0.081
PineRiver072318_71	PINE RIVER	1238117.874129	2387138.570803	23-07-2018 13:24:19	0.000000	0.002080	0.435542	790.9	47.0	-0.782	0.009	1.885
PineRiver072318_72	PINE RIVER	1237959.462214	2387188.226386	23-07-2018 13:27:14	0.000000	0.000693	0.225611	791.0	46.9	0	0.003	0.976
PineRiver072318_73	PINE RIVER	1237986.021042	2387329.837699	23-07-2018 13:29:33	0.000000	0.000462	0.753250	790.9	46.9	-0.589	0.002	3.259
PineRiver072318_74	PINE RIVER	1238147.897467	2387371.986429	23-07-2018 13:32:43	0.000000	0.003930	0.480578	791.0	46.9	-0.23	0.017	2.079
PineRiver072318_75	PINE RIVER	1238338.479971	2387300.217098	23-07-2018 13:36:51	0.000000	0.000000	0.368722	791.3	47.0	-0.743	-0.001	1.595
PineRiver072318_76	PINE RIVER	1238382.897072	2387139.368855	23-07-2018 13:40:23	0.000000	0.001848	0.495400	790.8	47.1	-0.564	0.008	2.145
PineRiver072318_77	PINE RIVER	1238328.751014	2387048.323601	23-07-2018 13:43:16	0.000000	0.003232	0.166467	790.8	47.2	-0.68	0.014	0.721
PineRiver072318_78	PINE RIVER	1238464.510385	2386993.273834	23-07-2018 13:45:38	0.000000	0.001154	0.244675	790.6	47.2	-0.751	0.005	1.06
PineRiver072318_79	PINE RIVER	1238398.233613	2386802.331912	23-07-2018 13:49:08	0.000000	0.001615	0.203729	790.5	47.3	-0.642	0.007	0.883
PineRiver072318_80	PINE RIVER	1238555.465919	2386741.332303	23-07-2018 13:53:00	0.000000	0.001153	0.012918	790.6	47.4	-1.156	0.005	0.056
PineRiver072318_81	PINE RIVER	1238562.022461	2386638.318297	23-07-2018 13:55:24	0.000000	0.000000	0.081154	790.4	47.5	-0.277	-0.003	0.352
PineRiver072318_82	PINE RIVER	1238193.600589	2386774.272385	23-07-2018 13:59:15	0.000000	0.001843	0.115664	790.4	47.7	-0.191	0.008	0.502
PineRiver072318_83	PINE RIVER	1238205.128013	2386993.859919	23-07-2018 14:02:04	0.000000	0.001382	0.171622	790.5	47.8	0	0.006	0.745
PineRiver072318_84	PINE RIVER	1237994.14435	2386968.124404	23-07-2018 14:04:40	0.000000	0.001612	0.000000	790.5	47.9	-0.329	0.007	-0.083
PineRiver072318_85	PINE RIVER	1237990.011126	2386818.496869	23-07-2018 14:07:03	0.000000	0.001381	0.206036	790.7	48.1	0	0.006	0.895
PineRiver072318_86	PINE RIVER	1238178.408834	2386585.967975	23-07-2018 14:11:16	0.000000	0.000000	0.071081	790.6	48.3	0	-0.001	0.309
PineRiver072318_87	PINE RIVER	1238211.286491	2386588.334026	23-07-2018 14:12:55	0.000000	0.001840	0.092215	790.6	48.4	0	0.008	0.401
PineRiver072318_88	PINE RIVER	1238335.336313	2386558.025301	23-07-2018 14:15:33	0.000000	0.000459	0.858140	788.9	48.6	-2.137	0.002	3.742

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver072318_89	PINE RIVER	1238386.03894	2386411.875273	23-07-2018 14:19:30	0.000000	0.001603	0.101451	788.3	48.8	-0.872	0.007	0.443
PineRiver072318_90	PINE RIVER	1238539.075769	2386400.013991	23-07-2018 14:21:50	0.000000	0.000685	0.028559	786.7	48.9	-0.6	0.003	0.125
PineRiver072318_91	PINE RIVER	1238635.445906	2386218.185368	23-07-2018 14:26:02	0.000000	0.002285	0.160649	787.1	49.0	-0.039	0.01	0.703
PineRiver072318_92	PINE RIVER	1238651.246348	2386125.730373	23-07-2018 14:28:19	0.000000	0.002284	0.289578	786.6	49.0	-0.342	0.01	1.268
PineRiver072318_93	PINE RIVER	1238703.334041	2386022.249292	23-07-2018 14:31:10	0.000000	0.001599	0.077200	786.7	49.0	-1.411	0.007	0.338
PineRiver072318_94	PINE RIVER	1238627.887798	2385976.49437	23-07-2018 14:35:02	33.045970	0.002284	2.626074	786.6	49.0	144.701	0.01	11.499
PineRiver072318_95	PINE RIVER	1238568.717681	2386033.933119	23-07-2018 14:37:57	1015.606000	0.000912	2.136295	784.8	48.8	4454.547	0.004	9.37
PineRiver072318_96	PINE RIVER	1238610.573065	2385958.751356	23-07-2018 14:40:38	0.000000	0.000000	0.012317	784.9	48.7	-20.557	-0.001	0.054
PineRiver072318_97	PINE RIVER	1238542.071782	2385963.135864	23-07-2018 14:42:25	0.000000	0.000000	0.101038	784.6	48.6	-1.71	-0.015	0.443
PineRiver072318_98	PINE RIVER	1238506.306407	2386041.829517	23-07-2018 14:43:58	0.000000	0.000912	0.499981	784.3	48.6	-1.067	0.004	2.193
PineRiver072318_99	PINE RIVER	1238550.612209	2386124.676587	23-07-2018 14:46:36	7.767284	0.001825	1.417025	784.6	48.5	34.045	0.008	6.211
PineRiver072418_103	PINE RIVER	1238500.126347	2385748.452307	24-07-2018 09:53:56	0.000000	0.000000	0.131154	787.1	32.2	-0.719	-0.001	0.544
PineRiver072418_104	PINE RIVER	1238556.13858	2385544.028176	24-07-2018 09:57:28	0.000000	0.001681	0.046595	787.2	33.4	-1.177	0.007	0.194
PineRiver072418_105	PINE RIVER	1238678.585162	2385370.649884	24-07-2018 10:00:02	0.000000	0.002155	0.134553	786.5	34.1	-0.002	0.009	0.562
PineRiver072418_106	PINE RIVER	1238791.396943	2385188.876548	24-07-2018 10:03:39	0.000000	0.000477	0.148483	786.5	35.0	-0.001	0.002	0.622
PineRiver072418_107	PINE RIVER	1238912.032037	2385183.725915	24-07-2018 10:10:59	2.830302	0.000712	0.935996	785.9	36.5	11.923	0.003	3.943
PineRiver072418_108	PINE RIVER	1238935.44617	2385173.157504	24-07-2018 10:13:13	0.000000	0.000475	1.292902	786.7	36.9	0	0.002	5.448
PineRiver072418_109	PINE RIVER	1238916.229932	2385224.863033	24-07-2018 10:15:55	26.360450	0.000474	1.598307	787.1	37.2	111.128	0.002	6.738
PineRiver072418_110	PINE RIVER	1238816.503042	2385320.57762	24-07-2018 10:18:10	0.000000	0.000711	0.350447	787.0	37.5	0	0.003	1.479
PineRiver072418_111	PINE RIVER	1238782.807506	2385384.312276	24-07-2018 10:20:08	0.000000	0.000948	0.297787	787.1	37.6	-3.064	0.004	1.257
PineRiver072418_112	PINE RIVER	1238826.850764	2385428.198615	24-07-2018 10:21:59	0.000000	0.001895	0.371129	787.4	37.8	-3.439	0.008	1.567
PineRiver072418_113	PINE RIVER	1238779.130512	2385524.486308	24-07-2018 10:25:06	0.872891	0.000710	0.858450	787.6	38.0	3.687	0.003	3.626
PineRiver072418_114	PINE RIVER	1238752.331623	2385608.88423	24-07-2018 10:27:14	0.000000	0.000473	0.293018	787.9	38.2	-0.697	0.002	1.238
PineRiver072418_115	PINE RIVER	1238699.535366	2385502.479875	24-07-2018 10:29:25	0.000000	0.001655	0.341639	787.8	38.5	-0.054	0.007	1.445
PineRiver072418_116	PINE RIVER	1238654.947301	2385601.510659	24-07-2018 10:31:53	0.000000	0.001889	0.285550	787.5	38.7	-1.23	0.008	1.209
PineRiver072418_117	PINE RIVER	1238606.537543	2385695.284024	24-07-2018 10:33:58	0.000000	0.000236	0.070134	787.6	38.8	-1.157	0.001	0.297

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver072418_118	PINE RIVER	1238641.590731	2385717.427304	24-07-2018 10:36:27	0.000000	0.000708	0.641347	787.8	39.0	-0.605	0.003	2.717
PineRiver072418_119	PINE RIVER	1238617.061201	2385843.282573	24-07-2018 10:39:13	1.206539	0.001180	0.092248	787.9	39.2	5.114	0.005	0.391
PineRiver072418_120	PINE RIVER	1238695.382272	2385849.38036	24-07-2018 10:43:04	0.717836	0.000708	0.678441	788.3	39.4	3.043	0.003	2.876
PineRiver072418_121	PINE RIVER	1238751.501889	2385864.652648	24-07-2018 10:46:13	0.000000	0.000708	0.161260	789.5	39.6	-1.04	0.003	0.683
PineRiver072418_122	PINE RIVER	1238816.985705	2385761.759198	24-07-2018 10:48:50	0.000000	0.000000	0.253356	789.8	39.7	-0.001	0	1.073
PineRiver072418_123	PINE RIVER	1238744.616054	2385720.485593	24-07-2018 10:52:03	0.000000	0.000236	0.476628	789.5	39.8	0	0.001	2.02
PineRiver072418_124	PINE RIVER	1238802.11289	2385654.96839	24-07-2018 10:54:32	1.504798	0.001178	1.879937	788.7	39.9	6.386	0.005	7.978
PineRiver072418_125	PINE RIVER	1238873.274745	2385662.408748	24-07-2018 10:57:13	0.000000	0.000236	0.000000	788.7	40.0	-0.352	0.001	-0.019
PineRiver072418_126	PINE RIVER	1238911.606305	2385561.566669	24-07-2018 11:12:34	0.000000	0.000000	0.233114	788.8	40.8	-0.758	0	0.992
PineRiver072418_127	PINE RIVER	1238850.731904	2385530.656337	24-07-2018 11:15:05	2.243355	0.000470	1.560523	789.0	40.8	9.544	0.002	6.639
PineRiver072418_128	PINE RIVER	1238903.799005	2385445.563861	24-07-2018 11:17:15	0.000000	0.000000	0.227670	788.1	40.9	-1.407	0	0.97
PineRiver072418_129	PINE RIVER	1238941.634436	2385371.428031	24-07-2018 11:19:31	0.000000	0.003989	1.792387	788.1	41.0	-0.515	0.017	7.639
PineRiver072418_130	PINE RIVER	1238950.605292	2385273.77594	24-07-2018 11:21:54	0.000000	0.003046	0.713092	787.6	41.2	-0.682	0.013	3.043
PineRiver072418_131	PINE RIVER	1238904.355614	2384984.118369	24-07-2018 11:26:56	0.000000	0.000000	0.040687	787.4	41.8	-0.098	-0.001	0.174
PineRiver072418_132	PINE RIVER	1238996.550882	2384989.706666	24-07-2018 11:30:40	0.000000	0.001630	0.245708	785.5	42.3	-0.002	0.007	1.055
PineRiver072418_133	PINE RIVER	1239094.167883	2385018.101144	24-07-2018 11:34:26	0.000000	0.000931	0.413625	785.8	42.6	-0.685	0.004	1.777
PineRiver072418_134	PINE RIVER	1239241.212621	2385007.040808	24-07-2018 11:38:39	0.000000	0.004889	0.188100	786.9	43.0	-1.532	0.021	0.808
PineRiver072418_135	PINE RIVER	1239130.552077	2384782.556716	24-07-2018 11:44:11	36.770270	0.000464	1.000498	785.9	43.5	158.401	0.002	4.31
PineRiver072418_136	PINE RIVER	1239061.815774	2384855.116281	24-07-2018 11:47:24	1.439794	0.001390	1.469900	784.8	43.8	6.217	0.006	6.347
PineRiver072418_137	PINE RIVER	1239017.510829	2384796.609134	24-07-2018 11:50:28	0.000000	0.001389	0.319604	785.0	44.1	0	0.006	1.381
PineRiver072418_138	PINE RIVER	1239029.271053	2384564.441134	24-07-2018 11:57:16	0.000000	0.000692	0.114621	784.0	44.8	-0.946	0.003	0.497
PineRiver072418_139	PINE RIVER	1239201.926358	2384414.679209	24-07-2018 12:04:58	0.000000	0.001377	0.094350	782.1	45.5	-1.941	0.006	0.411
PineRiver072418_140	PINE RIVER	1239378.661924	2384309.669551	24-07-2018 12:09:05	0.000000	0.000229	0.708789	781.7	46.0	-1.048	0.001	3.094
PineRiver072418_141	PINE RIVER	1239337.976907	2384375.093359	24-07-2018 12:11:11	0.000000	0.002292	0.104504	782.5	46.2	-0.665	0.01	0.456
PineRiver072418_142	PINE RIVER	1239284.126091	2384518.298557	24-07-2018 12:14:58	215.648000	0.001831	3.520328	782.3	46.6	942.392	0.008	15.384
PineRiver072418_143	PINE RIVER	1239191.15331	2384535.969876	24-07-2018 12:18:27	0.000000	0.001601	0.274146	782.4	46.9	-3.628	0.007	1.199

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver072418_144	PINE RIVER	1239187.204687	2384703.675124	24-07-2018 12:23:05	60.915000	0.003426	2.695675	782.5	47.3	266.716	0.015	11.803
PineRiver072418_145	PINE RIVER	1239236.560551	2384621.932694	24-07-2018 12:27:12	16.481900	0.001372	2.809254	783.9	47.5	72.082	0.006	12.286
PineRiver072418_146	PINE RIVER	1239347.31164	2384550.440365	24-07-2018 12:31:14	0.000000	0.001598	0.739449	783.4	47.8	-0.161	0.007	3.239
PineRiver072418_147	PINE RIVER	1239306.97004	2384639.381588	24-07-2018 12:35:41	1.878281	0.001597	0.934235	783.6	48.1	8.233	0.007	4.095
PineRiver072418_148	PINE RIVER	1239335.745454	2384760.988898	24-07-2018 12:39:29	0.000000	0.001596	0.204784	784.0	48.4	-1.076	0.007	0.898
PineRiver072418_149	PINE RIVER	1239400.141387	2384971.668672	24-07-2018 12:45:17	0.000000	0.001825	0.047906	785.0	48.7	0	0.008	0.21
PineRiver072418_150	PINE RIVER	1239525.349293	2384962.49951	24-07-2018 12:50:00	0.000000	0.001592	0.125784	783.2	48.9	0	0.007	0.553
PineRiver072418_151	PINE RIVER	1239519.852751	2384763.139379	24-07-2018 12:54:18	0.000000	0.002497	0.018386	781.6	48.9	0	0.011	0.081
PineRiver072418_152	PINE RIVER	1239584.271101	2384572.053656	24-07-2018 12:57:06	0.000000	0.001137	0.172780	782.8	48.9	0	0.005	0.76
PineRiver072418_153	PINE RIVER	1239635.832573	2384349.144958	24-07-2018 13:00:47	0.000000	0.000000	0.266774	783.1	48.9	0	-0.001	1.173
PineRiver072418_154	PINE RIVER	1239695.211045	2384290.239987	24-07-2018 13:02:40	0.000000	0.000910	0.321998	783.0	48.9	0	0.004	1.416
PineRiver072418_155	PINE RIVER	1239767.188647	2384200.185736	24-07-2018 13:05:02	0.000000	0.000000	0.095017	782.7	48.9	0	-0.008	0.418
PineRiver072418_156	PINE RIVER	1239800.568967	2383984.942836	24-07-2018 13:08:27	0.000000	0.001363	0.236087	782.4	48.9	0	0.006	1.039
PineRiver072418_157	PINE RIVER	1239756.780582	2384004.570831	24-07-2018 13:11:16	0.000000	0.001590	0.054499	781.9	48.9	-0.525	0.007	0.24
PineRiver072418_158	PINE RIVER	1239604.78619	2384216.568504	24-07-2018 13:17:56	0.000000	0.002042	0.294659	781.3	49.0	0	0.009	1.299
PineRiver072418_159	PINE RIVER	1239587.588213	2384184.881419	24-07-2018 13:20:03	0.000000	0.000000	0.249714	781.2	49.0	0	-0.003	1.101
PineRiver072418_160	PINE RIVER	1239565.094735	2384145.432962	24-07-2018 13:22:41	0.000000	0.000227	0.047378	780.8	49.0	0	0.001	0.209
PineRiver072418_161	PINE RIVER	1239650.336272	2384027.958597	24-07-2018 13:26:53	0.000000	0.001359	0.333162	780.1	49.0	-1.022	0.006	1.471
PineRiver072418_162	PINE RIVER	1239676.208119	2383909.785669	24-07-2018 13:29:53	1.701856	0.002037	0.985392	779.7	49.0	7.518	0.009	4.353
PineRiver072418_163	PINE RIVER	1239612.490346	2383927.107814	24-07-2018 13:32:30	0.000000	0.000000	0.141690	779.6	49.0	-0.985	-0.002	0.626
PineRiver072418_164	PINE RIVER	1239624.519099	2383749.915471	24-07-2018 13:35:24	0.000000	0.001810	0.193699	779.4	49.0	-0.416	0.008	0.856
PineRiver072418_165	PINE RIVER	1239698.634254	2383750.674222	24-07-2018 13:37:36	0.000000	0.000453	0.205971	779.6	49.0	-0.779	0.002	0.91
PineRiver072418_166	PINE RIVER	1239690.250567	2383559.487588	24-07-2018 13:41:37	0.000000	0.001585	0.151301	779.9	48.9	-0.139	0.007	0.668
PineRiver072418_167	PINE RIVER	1239943.431593	2383617.867417	24-07-2018 13:47:59	0.000000	0.001359	0.000000	779.6	48.7	-0.492	0.006	-0.459
PineRiver072418_168	PINE RIVER	1239939.736446	2383408.807158	24-07-2018 13:51:55	0.000000	0.001132	0.030569	779.2	48.7	-0.297	0.005	0.135
PineRiver072418_169	PINE RIVER	1239832.82989	2383344.906307	24-07-2018 13:54:48	0.000000	0.000679	0.207494	778.4	48.6	0	0.003	0.917

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver072418_170	PINE RIVER	1239788.43089	2383263.995219	24-07-2018 13:57:31	0.000000	0.001359	0.422952	778.9	48.6	0	0.006	1.868
PineRiver072418_171	PINE RIVER	1239963.845742	2383214.908054	24-07-2018 14:01:15	0.000000	0.000000	0.122672	778.6	48.6	-0.011	-0.001	0.542
PineRiver072418_172	PINE RIVER	1239977.7324	2382997.217507	24-07-2018 14:04:45	0.000000	0.002035	0.241293	777.7	48.5	-1.804	0.009	1.067
PineRiver072418_173	PINE RIVER	1240004.80659	2382830.036746	24-07-2018 14:07:52	0.000000	0.000679	0.220516	777.8	48.5	0	0.003	0.975
PineRiver072418_174	PINE RIVER	1240126.907726	2382772.070053	24-07-2018 14:10:08	0.000000	0.000000	0.098867	777.8	48.4	0	-0.001	0.437
PineRiver072418_175	PINE RIVER	1240253.078687	2382588.120303	24-07-2018 14:13:15	0.000000	0.001357	0.067829	777.3	48.4	0	0.006	0.3
PineRiver072418_176	PINE RIVER	1240331.038904	2382631.507874	24-07-2018 14:15:18	0.000000	0.001357	0.154717	777.4	48.3	0	0.006	0.684
PineRiver072418_177	PINE RIVER	1240581.280901	2382528.897461	24-07-2018 14:18:40	0.000000	0.000452	0.148847	777.7	48.4	0	0.002	0.658
PineRiver072418_178	PINE RIVER	1240533.489548	2382739.710041	24-07-2018 14:22:57	0.000000	0.000903	0.272898	776.5	48.6	-1.119	0.004	1.209
PineRiver072418_179	PINE RIVER	1240608.605497	2382896.73191	24-07-2018 14:25:57	0.000000	0.000676	0.742177	775.1	48.8	-1.306	0.003	3.296
PineRiver072418_180	PINE RIVER	1240711.58099	2382816.821683	24-07-2018 14:28:31	0.000000	0.001123	0.201743	773.8	49.0	-0.603	0.005	0.898
PineRiver072418_181	PINE RIVER	1240651.19889	2382900.80783	24-07-2018 14:31:12	12.570550	0.000449	1.394082	774.2	49.2	55.96	0.002	6.206
PineRiver072418_182	PINE RIVER	1240717.354669	2382968.059116	24-07-2018 14:33:36	0.000000	0.000449	0.131027	773.5	49.3	-0.619	0.002	0.584
PineRiver072418_183	PINE RIVER	1240678.846972	2383091.721548	24-07-2018 14:35:49	0.000000	0.000672	0.120361	773.2	49.5	0	0.003	0.537
PineRiver072418_184	PINE RIVER	1240602.294356	2383080.631559	24-07-2018 14:38:24	0.000000	0.000000	0.013673	773.5	49.6	0	-0.015	0.061
PineRiver072418_185	PINE RIVER	1240444.219149	2383039.146007	24-07-2018 14:40:31	0.000000	0.000000	1.679245	775.0	49.6	-1.153	-0.009	7.477
PineRiver072418_186	PINE RIVER	1240375.003314	2382806.618378	24-07-2018 14:42:29	0.000000	0.000000	0.172597	774.5	49.6	-0.762	-0.027	0.769
PineRiver072418_187	PINE RIVER	1240296.741168	2382923.028904	24-07-2018 14:43:58	0.000000	0.000675	0.525005	776.3	49.5	-3.291	0.003	2.333
PineRiver072418_188	PINE RIVER	1240174.236646	2382962.699505	24-07-2018 14:45:37	0.000000	0.000000	0.173771	776.5	49.5	0	-0.006	0.772
PineRiver072418_189	PINE RIVER	1240146.87121	2383176.966827	24-07-2018 14:47:20	0.000000	0.000000	0.101839	777.0	49.4	-2.396	-0.011	0.452
PineRiver072418_190	PINE RIVER	1240297.23607	2383292.610325	24-07-2018 14:49:15	0.000000	0.000000	0.215269	775.5	49.3	0	-0.019	0.957
PineRiver072418_191	PINE RIVER	1240184.204956	2383337.598969	24-07-2018 14:50:40	0.000000	0.000000	1.723438	775.9	49.1	-1.074	-0.009	7.653
PineRiver072418_192	PINE RIVER	1240177.243749	2383435.354223	24-07-2018 14:51:51	0.000000	0.000000	0.165121	775.9	49.0	-0.267	0	0.733
PoleBarn071218_01	POLE BARN MW	1237030.673762	2384509.172617	12-07-2018 11:52:06	0.000000	0.012450	0.370392	785.5	33.7	0	0.052	1.547
PoleBarn071218_02	POLE BARN MW	1237073.954964	2384490.540451	12-07-2018 11:54:42	0.000000	0.000956	0.277318	785.6	34.2	0	0.004	1.16
PoleBarn071218_03	POLE BARN MW	1237067.849917	2384547.631902	12-07-2018 11:56:46	0.000000	0.009069	0.127915	785.5	34.7	0	0.038	0.536

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PoleBarn071218_04	POLE BARN MW	1237075.45086	2384606.910076	12-07-2018 11:58:51	0.000000	0.010015	0.287106	785.9	35.1	0	0.042	1.204
PoleBarn071218_05	POLE BARN MW	1237074.703839	2384658.259763	12-07-2018 12:01:04	0.000000	0.005715	0.211213	785.8	35.5	0	0.024	0.887
PoleBarn071218_06	POLE BARN MW	1237081.043915	2384694.979077	12-07-2018 12:03:50	0.000000	0.008554	0.143747	785.6	36.1	-0.001	0.036	0.605
PoleBarn071218_07	POLE BARN MW	1237040.314704	2384696.587606	12-07-2018 12:05:53	0.000000	0.007118	0.178183	785.5	36.5	0	0.03	0.751
PoleBarn071218_08	POLE BARN MW	1237014.435869	2384656.84581	12-07-2018 12:07:33	0.000000	0.006398	0.244080	785.3	36.8	0	0.027	1.03
PoleBarn071218_09	POLE BARN MW	1237021.651965	2384610.616324	12-07-2018 12:10:13	0.000000	0.009229	0.259605	785.5	37.3	-0.407	0.039	1.097
PoleBarn071218_10	POLE BARN MW	1237015.294199	2384562.778176	12-07-2018 12:12:21	0.000000	0.005909	0.108962	785.3	37.6	-0.984	0.025	0.461
PoleBarn071218_11	POLE BARN MW	1236965.123274	2384501.437818	12-07-2018 12:14:35	0.000000	0.011331	0.186721	785.3	38.0	-1.493	0.048	0.791
PoleBarn071218_12	POLE BARN MW	1236970.762989	2384543.099044	12-07-2018 12:16:45	0.000000	0.010612	0.225925	785.3	38.3	-0.164	0.045	0.958
PoleBarn071218_13	POLE BARN MW	1236970.359779	2384597.024852	12-07-2018 12:18:54	0.000000	0.010132	0.237502	785.6	38.7	-0.001	0.043	1.008
PoleBarn071218_14	POLE BARN MW	1236974.088599	2384641.542608	12-07-2018 12:20:47	0.000000	0.007296	0.198880	785.5	39.0	-1.017	0.031	0.845
PoleBarn071218_15	POLE BARN MW	1236976.778873	2384685.362502	12-07-2018 12:22:20	0.000000	0.003997	0.171178	785.5	39.3	0	0.017	0.728
PoleBarn071218_16	POLE BARN MW	1236935.494715	2384709.463855	12-07-2018 12:24:38	0.000000	0.019500	0.401511	785.6	39.6	-0.854	0.083	1.709
PoleBarn071218_17	POLE BARN MW	1236890.659522	2384686.300562	12-07-2018 12:26:33	0.000000	0.006574	0.268816	785.8	39.9	-0.372	0.028	1.145
PoleBarn071218_18	POLE BARN MW	1236864.556551	2384656.385384	12-07-2018 12:28:43	0.000000	0.012197	0.048083	785.8	40.2	0	0.052	0.205
PoleBarn071218_19	POLE BARN MW	1236907.705876	2384651.496447	12-07-2018 12:30:53	0.000000	0.009137	0.171493	785.9	40.6	-0.001	0.039	0.732
PoleBarn071218_20	POLE BARN MW	1236924.419876	2384612.363617	12-07-2018 12:32:25	0.000000	0.007490	0.146519	785.9	40.9	-1.263	0.032	0.626
PoleBarn071218_21	POLE BARN MW	1236869.85138	2384609.485394	12-07-2018 12:34:17	0.000000	0.012629	0.200420	786.0	41.2	0	0.054	0.857
PoleBarn071218_22	POLE BARN MW	1236868.668256	2384550.963346	12-07-2018 12:36:06	0.000000	0.008877	0.174039	785.9	41.5	-2.433	0.038	0.745
PoleBarn071218_23	POLE BARN MW	1236874.873314	2384498.322349	12-07-2018 12:37:42	0.000000	0.011203	0.156836	785.9	41.8	-0.812	0.048	0.672
PoleBarn071218_24	POLE BARN MW	1236918.79874	2384497.791359	12-07-2018 12:39:44	0.000000	0.008860	0.166713	785.9	42.1	0	0.038	0.715
PoleBarn071218_25	POLE BARN MW	1236928.795719	2384541.614811	12-07-2018 12:41:54	0.000000	0.006285	0.142471	785.4	42.4	0	0.027	0.612
PineRiver060118_07	S FORK TX CRE	1241158.175723	2381236.682073	01-06-2018 11:05:06	0.000000	0.000000	0.061696	770.8	33.0	0	-0.001	0.262
PineRiver060118_08	S FORK TX CRE	1241354.798901	2381172.150594	01-06-2018 11:13:40	0.000000	0.000234	0.078197	769.6	34.3	0	0.001	0.334
PineRiver060118_09	S FORK TX CRE	1241395.728289	2381373.66091	01-06-2018 11:22:05	0.000000	0.000232	0.023014	766.9	35.4	-0.825	0.001	0.099
PineRiver060118_10	S FORK TX CRE	1241321.085394	2381537.822972	01-06-2018 11:26:18	0.000000	0.000232	0.090146	767.7	35.9	-0.53	0.001	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
PineRiver060118_11	S FORK TX CRE	1241257.562693	2381438.617949	01-06-2018 11:30:21	0.000000	0.000696	0.061729	767.8	36.3	-0.086	0.003	0.266
PineRiver060118_12	S FORK TX CRE	1241191.61124	2381541.784848	01-06-2018 11:34:05	0.000000	0.000000	0.099826	767.3	36.7	-0.408	-0.002	0.431
PineRiver060118_13	S FORK TX CRE	1241131.731105	2381430.396328	01-06-2018 11:38:18	0.000000	0.000000	0.030577	768.4	37.1	-0.716	-0.002	0.132
SFTC071318_01	S FORK TX CRE	1243412.482731	2373564.529142	13-07-2018 10:38:21	0.000000	0.004348	0.204844	781.4	29.4	-0.673	0.018	0.848
SFTC071318_02	S FORK TX CRE	1243378.733295	2373579.943128	13-07-2018 10:40:40	0.000000	0.002168	0.258512	781.4	30.2	0	0.009	1.073
SFTC071318_03	S FORK TX CRE	1243449.230987	2373399.403477	13-07-2018 10:43:56	0.000000	0.002401	0.073004	781.7	31.3	-1.068	0.01	0.304
SFTC071318_04	S FORK TX CRE	1243416.647996	2373409.513251	13-07-2018 10:46:09	0.000000	0.003833	0.452537	781.6	32.0	0	0.016	1.889
SFTC071318_05	S FORK TX CRE	1243377.56465	2373403.974341	13-07-2018 10:49:17	0.000000	0.002149	0.147586	781.7	33.0	-0.724	0.009	0.618
SFTC071318_06	S FORK TX CRE	1243429.041892	2373171.754446	13-07-2018 10:54:10	0.000000	0.001428	0.126601	782.0	34.2	-0.001	0.006	0.532
SFTC071318_07	S FORK TX CRE	1243451.999837	2373047.784977	13-07-2018 10:59:00	0.000000	0.003793	0.361002	781.2	35.1	0	0.016	1.523
SFTC071318_08	S FORK TX CRE	1243410.853231	2372784.911774	13-07-2018 11:02:06	0.000000	0.002129	0.150186	781.0	35.7	0	0.009	0.635
SFTC071318_09	S FORK TX CRE	1243453.404272	2372562.083974	13-07-2018 11:05:16	0.000000	0.003540	0.061355	780.5	36.2	0	0.015	0.26
SFTC071318_10	S FORK TX CRE	1243420.05843	2372567.251637	13-07-2018 11:07:20	0.000000	0.001415	0.076629	780.6	36.5	0	0.006	0.325
SFTC071318_11	S FORK TX CRE	1243474.108836	2372331.593815	13-07-2018 11:10:36	0.000000	0.000942	0.065929	780.8	37.0	-0.405	0.004	0.28
SFTC071318_12	S FORK TX CRE	1243441.75132	2372320.034351	13-07-2018 11:12:35	0.000000	0.001412	0.095095	781.3	37.3	-0.903	0.006	0.404
SFTC071318_13	S FORK TX CRE	1243448.466493	2371981.285463	13-07-2018 11:16:12	0.000000	0.002818	0.205264	780.8	37.8	0	0.012	0.874
SFTC071318_14	S FORK TX CRE	1243524.605302	2371780.41958	13-07-2018 11:19:01	0.000000	0.002345	0.081364	780.8	38.3	-0.001	0.01	0.347
SFTC071318_15	S FORK TX CRE	1243493.329538	2371662.511015	13-07-2018 11:21:24	0.000000	0.001639	0.151054	780.6	38.6	-0.001	0.007	0.645
SFTC071318_16	S FORK TX CRE	1243495.819777	2371592.7124	13-07-2018 11:23:23	0.000000	0.002105	1.026357	780.2	38.9	-0.001	0.009	4.389
SFTC071318_17	S FORK TX CRE	1243539.899837	2371561.611679	13-07-2018 11:25:42	0.000000	0.004437	0.264610	780.2	39.3	-0.001	0.019	1.133
SFTC071318_18	S FORK TX CRE	1243557.23135	2371352.441002	13-07-2018 11:28:48	0.000000	0.002100	0.515548	780.8	39.9	-0.593	0.009	2.21
SFTC071318_19	S FORK TX CRE	1243575.443257	2371193.619703	13-07-2018 11:32:30	0.699655	0.001628	0.519917	780.0	40.6	3.009	0.007	2.236
SFTC071318_20	S FORK TX CRE	1243542.827483	2371136.40824	13-07-2018 11:34:41	0.000000	0.002322	0.025304	780.0	41.1	0	0.01	0.109
SFTC071318_21	S FORK TX CRE	1243589.106743	2371148.672727	13-07-2018 11:36:44	0.000000	0.002318	0.262675	779.7	41.4	-0.01	0.01	1.133
SFTC071318_22	S FORK TX CRE	1243598.709433	2371100.655061	13-07-2018 11:38:42	0.000000	0.000927	0.236000	780.4	41.7	-0.809	0.004	1.018
SFTC071318_23	S FORK TX CRE	1243592.701992	2370967.090296	13-07-2018 11:41:20	0.000000	0.002083	2.918600	780.0	42.1	-0.519	0.009	12.612

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071318_24	S FORK TX CRE	1243554.57552	2370959.062435	13-07-2018 11:43:30	1.274951	0.003930	5.582045	779.7	42.3	5.515	0.017	24.146
SFTC071318_25	S FORK TX CRE	1243558.717367	2370780.773157	13-07-2018 11:47:12	0.000000	0.001617	0.200473	779.7	42.6	-0.911	0.007	0.868
SFTC071318_26	S FORK TX CRE	1243596.343655	2370755.205401	13-07-2018 11:49:07	0.000000	0.000000	0.086115	779.9	42.8	-1.697	-0.008	0.373
SFTC071318_27	S FORK TX CRE	1243589.366711	2370594.686045	13-07-2018 11:51:32	0.000000	0.000461	0.084129	779.1	43.0	0	0.002	0.365
SFTC071318_28	S FORK TX CRE	1243565.482137	2370594.442967	13-07-2018 11:53:12	0.000000	0.003456	0.317975	779.1	43.1	-0.122	0.015	1.38
SFTC071318_29	S FORK TX CRE	1243265.946914	2371773.830506	13-07-2018 12:02:21	0.000000	0.003681	0.047394	779.4	43.7	0	0.016	0.206
SFTC071318_30	S FORK TX CRE	1243199.008203	2371747.605602	13-07-2018 12:04:52	0.000000	0.001152	0.410642	780.9	43.8	0	0.005	1.782
SFTC071318_31	S FORK TX CRE	1242949.311282	2371741.943726	13-07-2018 12:08:48	0.000000	0.000461	0.069110	780.9	43.9	-2.847	0.002	0.3
SFTC071318_32	S FORK TX CRE	1242789.846367	2371984.311014	13-07-2018 12:12:39	0.000000	0.001612	0.157712	781.2	44.2	0	0.007	0.685
SFTC071318_33	S FORK TX CRE	1242913.404994	2371953.978266	13-07-2018 12:16:02	0.000000	0.006902	0.234677	780.9	44.3	0	0.03	1.02
SFTC071318_34	S FORK TX CRE	1243208.271512	2371972.254114	13-07-2018 12:19:04	0.000000	0.003220	0.281064	780.9	44.4	-2.768	0.014	1.222
SFTC071318_35	S FORK TX CRE	1243360.701554	2372171.863927	13-07-2018 12:24:07	0.000000	0.000920	0.910237	780.8	44.4	0	0.004	3.958
SFTC071318_36	S FORK TX CRE	1243335.243524	2372192.917218	13-07-2018 12:25:56	0.000000	0.000920	0.164713	780.8	44.3	0	0.004	0.716
SFTC071318_37	S FORK TX CRE	1243393.311124	2372244.784184	13-07-2018 12:27:45	0.000000	0.000690	0.112039	780.6	44.2	-0.214	0.003	0.487
SFTC071318_38	S FORK TX CRE	1243373.48802	2372281.321154	13-07-2018 12:29:35	0.000000	0.000460	0.150737	780.6	44.1	-0.796	0.002	0.655
SFTC071318_39	S FORK TX CRE	1243434.015255	2372312.296706	13-07-2018 12:31:32	0.000000	0.001151	0.182725	780.6	44.1	-2.517	0.005	0.794
SFTC071318_40	S FORK TX CRE	1243241.156347	2372191.931056	13-07-2018 12:35:39	0.000000	0.007832	1.117440	781.1	44.0	0	0.034	4.851
SFTC071318_41	S FORK TX CRE	1242989.916385	2372154.532494	13-07-2018 12:39:55	0.000000	0.000000	0.205868	780.6	43.9	0	-0.003	0.894
SFTC071318_42	S FORK TX CRE	1242793.549917	2372158.571681	13-07-2018 12:42:58	0.000000	0.000460	0.158390	780.4	43.9	-0.001	0.002	0.688
SFTC071318_43	S FORK TX CRE	1242819.028582	2372320.168823	13-07-2018 12:45:59	0.000000	0.003450	0.063948	780.0	44.0	-1.165	0.015	0.278
SFTC071318_44	S FORK TX CRE	1242769.096863	2372542.006435	13-07-2018 12:50:02	0.000000	0.003908	0.030118	779.6	44.0	0	0.017	0.131
SFTC071318_45	S FORK TX CRE	1242764.502804	2372737.746634	13-07-2018 12:54:28	0.000000	0.000000	0.072840	779.4	44.1	-0.42	-0.004	0.317
SFTC071318_46	S FORK TX CRE	1242839.789596	2372924.764318	13-07-2018 12:58:08	0.000000	0.000689	0.158696	779.0	44.1	-0.23	0.003	0.691
SFTC071318_47	S FORK TX CRE	1242869.37066	2372773.464714	13-07-2018 13:01:39	0.000000	0.001379	0.105475	779.2	44.0	-1.368	0.006	0.459
SFTC071318_48	S FORK TX CRE	1242904.059334	2372568.998055	13-07-2018 13:04:42	0.000000	0.001841	0.122183	780.0	43.9	0	0.008	0.531
SFTC071318_49	S FORK TX CRE	1242936.159167	2372537.003283	13-07-2018 13:06:59	0.000000	0.000921	0.428682	780.6	43.8	-1.948	0.004	1.861

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071318_50	S FORK TX CRE	1242949.154691	2372498.462978	13-07-2018 13:08:54	0.000000	0.001382	0.214226	780.6	43.8	0	0.006	0.93
SFTC071318_51	S FORK TX CRE	1242990.438351	2372376.283494	13-07-2018 13:11:17	0.000000	0.003227	0.159724	780.8	43.7	-3.563	0.014	0.693
SFTC071318_52	S FORK TX CRE	1242989.484193	2372337.935869	13-07-2018 13:14:45	0.000000	0.000000	0.039184	780.6	43.6	-0.477	-0.002	0.17
SFTC071318_53	S FORK TX CRE	1243172.938773	2372377.971547	13-07-2018 13:21:18	0.000000	0.000691	0.090354	780.6	43.6	-1.524	0.003	0.392
SFTC071318_54	S FORK TX CRE	1243352.530487	2372401.905891	13-07-2018 13:23:51	0.000000	0.000000	0.118958	780.5	43.5	0	-0.005	0.516
SFTC071318_55	S FORK TX CRE	1243389.052039	2372575.954166	13-07-2018 13:26:10	0.000000	0.000000	0.132517	780.0	43.4	0	0	0.575
SFTC071318_56	S FORK TX CRE	1243145.755481	2372529.097359	13-07-2018 13:30:11	0.000000	0.000000	0.004148	779.9	43.4	0	0	0.018
SFTC071318_57	S FORK TX CRE	1243179.631498	2372718.663091	13-07-2018 13:33:03	0.000000	0.000231	0.083105	780.8	43.2	0	0.001	0.36
SFTC071318_58	S FORK TX CRE	1243191.494321	2372954.527608	13-07-2018 13:35:43	0.000000	0.000000	0.046646	780.8	43.1	0	-0.003	0.202
SFTC071318_59	S FORK TX CRE	1243161.146669	2373123.066484	13-07-2018 13:38:33	0.000000	0.001156	0.216702	781.5	42.9	0	0.005	0.937
SFTC071318_60	S FORK TX CRE	1243153.872236	2373369.319758	13-07-2018 13:40:52	0.000000	0.000000	0.017596	782.1	42.8	-0.833	-0.005	0.076
SFTC071618_100	S FORK TX CRE	1243177.055205	2373982.260147	16-07-2018 14:30:15	0.000000	0.002310	0.903112	780.0	42.7	-1.036	0.01	3.91
SFTC071618_61	S FORK TX CRE	1243359.52982	2371247.808309	16-07-2018 12:15:24	21.556750	0.011459	3.946198	779.5	38.6	92.177	0.049	16.874
SFTC071618_62	S FORK TX CRE	1243364.595118	2370943.620235	16-07-2018 12:18:47	0.000000	0.008403	0.619246	779.5	39.2	-0.001	0.036	2.653
SFTC071618_63	S FORK TX CRE	1243183.248441	2370921.51882	16-07-2018 12:21:37	0.000000	0.001165	0.274306	779.3	39.6	-2.416	0.005	1.177
SFTC071618_64	S FORK TX CRE	1243059.897401	2371011.96718	16-07-2018 12:24:54	0.000000	0.002561	0.489086	779.4	40.0	0	0.011	2.101
SFTC071618_65	S FORK TX CRE	1242951.842395	2371194.691917	16-07-2018 12:27:44	0.000000	0.003950	0.233952	778.6	40.3	-0.681	0.017	1.007
SFTC071618_66	S FORK TX CRE	1242977.49896	2371436.189313	16-07-2018 12:30:36	0.000000	0.006267	0.306145	778.6	40.6	-0.842	0.027	1.319
SFTC071618_67	S FORK TX CRE	1242931.273138	2371578.941602	16-07-2018 12:33:04	0.000000	0.005111	0.250914	779.6	40.7	-0.785	0.022	1.08
SFTC071618_68	S FORK TX CRE	1243116.144167	2371560.661027	16-07-2018 12:36:11	0.000000	0.003948	0.608891	779.5	40.8	-0.563	0.017	2.622
SFTC071618_69	S FORK TX CRE	1243129.164136	2371509.538659	16-07-2018 12:38:15	1.676818	0.006964	4.049158	779.5	40.9	7.223	0.03	17.442
SFTC071618_70	S FORK TX CRE	1243210.593429	2371473.086496	16-07-2018 12:40:33	2.339074	0.009981	2.967655	779.4	40.9	10.077	0.043	12.785
SFTC071618_71	S FORK TX CRE	1243205.995263	2371365.365398	16-07-2018 12:43:17	0.571812	0.009279	2.231342	779.4	41.1	2.465	0.04	9.619
SFTC071618_72	S FORK TX CRE	1243148.95478	2371246.783354	16-07-2018 12:45:19	0.000000	0.011595	0.396778	779.4	41.2	-0.207	0.05	1.711
SFTC071618_73	S FORK TX CRE	1243348.205889	2371416.013053	16-07-2018 12:47:52	0.000000	0.006487	0.324812	779.4	41.5	-0.543	0.028	1.402
SFTC071618_74	S FORK TX CRE	1243356.155655	2371558.729374	16-07-2018 12:50:05	0.000000	0.005324	0.249526	779.2	41.7	-0.001	0.023	1.078

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071618_75	S FORK TX CRE	1243448.871387	2370813.967675	16-07-2018 13:06:20	3.093116	0.017295	2.167464	779.0	42.8	13.413	0.075	9.399
SFTC071618_76	S FORK TX CRE	1243202.615126	2370713.487202	16-07-2018 13:09:05	0.000000	0.007842	0.600846	779.4	42.9	-0.691	0.034	2.605
SFTC071618_77	S FORK TX CRE	1243337.344159	2370742.090441	16-07-2018 13:11:21	0.000000	0.005761	0.582603	779.0	43.0	-0.836	0.025	2.528
SFTC071618_78	S FORK TX CRE	1243432.750548	2370732.898765	16-07-2018 13:13:08	0.000000	0.010365	0.173667	778.8	43.1	-0.841	0.045	0.754
SFTC071618_79	S FORK TX CRE	1243000.795173	2372971.382584	16-07-2018 13:28:32	0.000000	0.003674	0.116874	778.6	44.0	-0.362	0.016	0.509
SFTC071618_80	S FORK TX CRE	1242935.969897	2373177.349833	16-07-2018 13:33:05	0.000000	0.003216	0.155980	779.2	44.1	0	0.014	0.679
SFTC071618_81	S FORK TX CRE	1242843.035097	2373138.388833	16-07-2018 13:37:21	0.000000	0.002754	0.000000	778.9	44.3	-0.735	0.012	-1.382
SFTC071618_82	S FORK TX CRE	1242724.342952	2373368.357125	16-07-2018 13:41:25	0.000000	0.002520	0.388079	777.8	44.4	-0.975	0.011	1.694
SFTC071618_83	S FORK TX CRE	1242782.770021	2373574.4653	16-07-2018 13:46:09	0.000000	0.003207	0.340385	777.7	44.4	-0.951	0.014	1.486
SFTC071618_84	S FORK TX CRE	1243055.046686	2373391.611888	16-07-2018 13:50:13	0.000000	0.000229	0.211264	778.8	44.4	-0.289	0.001	0.921
SFTC071618_85	S FORK TX CRE	1243033.506749	2373579.941558	16-07-2018 13:53:04	0.000000	0.001838	0.200548	779.7	44.3	-0.747	0.008	0.873
SFTC071618_86	S FORK TX CRE	1243160.135546	2373556.735377	16-07-2018 13:55:29	0.000000	0.003679	0.344014	780.0	44.1	-1.035	0.016	1.496
SFTC071618_87	S FORK TX CRE	1243253.188688	2373578.250898	16-07-2018 13:57:40	0.000000	0.004599	0.303290	779.7	44.0	-0.75	0.02	1.319
SFTC071618_88	S FORK TX CRE	1243266.776039	2373670.583644	16-07-2018 13:59:54	0.000000	0.007130	0.314197	779.7	43.9	-0.553	0.031	1.366
SFTC071618_89	S FORK TX CRE	1243161.168275	2373691.258877	16-07-2018 14:02:34	0.000000	0.005526	0.591312	780.3	43.8	-0.297	0.024	2.568
SFTC071618_90	S FORK TX CRE	1242968.341646	2373761.413949	16-07-2018 14:05:19	0.000000	0.002763	0.212490	779.9	43.7	-0.226	0.012	0.923
SFTC071618_91	S FORK TX CRE	1242877.704152	2373766.504623	16-07-2018 14:07:16	0.000000	0.007136	1.270247	779.6	43.6	-1.057	0.031	5.518
SFTC071618_92	S FORK TX CRE	1242790.552774	2373779.31388	16-07-2018 14:09:03	0.000000	0.003913	0.221409	779.2	43.5	-1.159	0.017	0.962
SFTC071618_93	S FORK TX CRE	1242593.723944	2373722.610047	16-07-2018 14:11:28	0.000000	0.001151	0.176091	779.3	43.5	-0.391	0.005	0.765
SFTC071618_94	S FORK TX CRE	1242576.065883	2373906.982977	16-07-2018 14:14:07	0.000000	0.003912	0.319203	778.9	43.4	-1.137	0.017	1.387
SFTC071618_95	S FORK TX CRE	1242575.673495	2374078.066013	16-07-2018 14:16:31	0.000000	0.003455	0.162592	779.2	43.3	-1.07	0.015	0.706
SFTC071618_96	S FORK TX CRE	1242781.276093	2374085.572962	16-07-2018 14:19:32	0.000000	0.008293	0.133386	779.2	43.2	-1.76	0.036	0.579
SFTC071618_97	S FORK TX CRE	1242826.404306	2373968.160506	16-07-2018 14:21:33	0.000000	0.003688	0.284905	779.4	43.1	-2.069	0.016	1.236
SFTC071618_98	S FORK TX CRE	1242976.143987	2373974.546006	16-07-2018 14:23:39	0.000000	0.003229	0.302404	779.7	43.0	-0.924	0.014	1.311
SFTC071618_99	S FORK TX CRE	1242988.333909	2374076.488474	16-07-2018 14:25:55	0.000000	0.002770	0.148635	779.9	42.9	-0.943	0.012	0.644
SFTC071718_101	S FORK TX CRE	1243368.211711	2373785.128505	17-07-2018 11:23:28	0.000000	0.000000	0.613544	782.8	35.8	0	-0.004	2.589

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071718_102	S FORK TX CRE	1243365.206049	2373677.357119	17-07-2018 11:29:29	0.000000	0.000000	0.838161	782.8	37.3	0	-0.006	3.554
SFTC071718_103	S FORK TX CRE	1243299.272855	2373712.562243	17-07-2018 11:33:48	0.000000	0.000000	0.670621	782.8	38.0	-1.2	0	2.85
SFTC071718_104	S FORK TX CRE	1243292.050853	2373764.535421	17-07-2018 11:40:38	0.000000	0.000000	3.243214	782.8	38.7	-0.07	-0.002	13.814
SFTC071718_105	S FORK TX CRE	1243297.894014	2373824.655506	17-07-2018 11:46:27	3.798168	0.000000	15.854550	782.8	39.9	16.24	-0.014	67.79
SFTC071718_106	S FORK TX CRE	1243324.677225	2373900.326805	17-07-2018 11:52:00	0.000000	0.007701	6.173889	782.8	40.6	0	0.033	26.457
SFTC071718_107	S FORK TX CRE	1243292.905376	2373930.730636	17-07-2018 11:54:49	0.000000	0.000000	0.754417	782.8	40.9	0	-0.017	3.236
SFTC071718_108	S FORK TX CRE	1243265.376915	2373802.227937	17-07-2018 11:59:44	0.000000	0.000000	0.811537	783.1	41.2	0	-0.009	3.483
SFTC071718_109	S FORK TX CRE	1243226.468136	2373781.25195	17-07-2018 12:05:15	0.000000	0.000000	1.279493	782.8	41.4	0	-0.005	5.497
SFTC071718_110	S FORK TX CRE	1243251.621622	2373827.606865	17-07-2018 12:09:21	0.000000	0.000000	0.488257	782.8	41.6	0	-0.026	2.099
SFTC071718_111	S FORK TX CRE	1243235.521353	2373867.176612	17-07-2018 12:12:50	0.000000	0.000000	1.082563	783.2	41.7	0	-0.002	4.653
SFTC071718_112	S FORK TX CRE	1243246.014455	2373926.689888	17-07-2018 12:16:28	0.000000	0.000930	0.870047	783.4	41.9	0	0.004	3.741
SFTC071718_113	S FORK TX CRE	1243236.775925	2373981.57946	17-07-2018 12:19:20	0.000000	0.000465	1.113588	783.1	41.9	0	0.002	4.79
SFTC071718_114	S FORK TX CRE	1243214.242114	2373980.772729	17-07-2018 12:22:21	0.000000	0.000000	1.249202	783.5	42.1	0	-0.001	5.374
SFTC071718_115	S FORK TX CRE	1243169.116495	2373878.743609	17-07-2018 12:26:55	0.000000	0.002320	1.320219	782.8	42.4	0	0.01	5.69
SFTC071718_116	S FORK TX CRE	1243160.777131	2373770.127474	17-07-2018 12:32:27	0.000000	0.000464	1.286513	782.8	42.7	0	0.002	5.55
SFTC071718_117	S FORK TX CRE	1243197.482653	2373749.454774	17-07-2018 12:34:34	0.000000	0.000232	1.274116	782.8	42.9	0	0.001	5.5
SFTC071718_118	S FORK TX CRE	1243304.051744	2373881.377502	17-07-2018 12:39:55	20.057000	0.007866	12.402530	782.8	43.3	86.69	0.034	53.606
SFTC071718_119	S FORK TX CRE	1243295.813921	2373845.825002	17-07-2018 12:42:53	33.995520	0.003933	22.053530	783.1	43.4	146.925	0.017	95.313
SFTC071718_120	S FORK TX CRE	1243343.897908	2373979.264487	17-07-2018 12:51:23	0.000000	0.001848	0.514995	782.7	43.7	-2.986	0.008	2.229
SFTC071718_121	S FORK TX CRE	1243373.996511	2373986.896356	17-07-2018 12:54:08	0.000000	0.000000	11.054480	782.7	43.7	0	-0.016	47.846
SFTC071718_122	S FORK TX CRE	1243422.86725	2373968.356981	17-07-2018 12:57:12	11.127850	0.000000	15.846240	782.4	43.7	48.182	-0.007	68.612
SFTC071718_123	S FORK TX CRE	1243393.422207	2373991.917604	17-07-2018 13:01:47	61.381710	0.000000	28.573940	782.3	43.8	265.892	-0.011	123.776
SFTC071718_124	S FORK TX CRE	1243415.483885	2374009.068657	17-07-2018 13:06:16	0.000000	0.000000	0.662253	782.5	43.8	0	-0.007	2.868
SFTC071718_125	S FORK TX CRE	1243457.995542	2374025.708126	17-07-2018 13:09:40	20.470430	0.006001	4.958463	782.4	43.9	88.69	0.026	21.483
SFTC071718_126	S FORK TX CRE	1243498.367982	2373981.77715	17-07-2018 13:12:35	0.000000	0.000000	11.842460	782.5	43.9	0	-0.01	51.302
SFTC071718_127	S FORK TX CRE	1243459.408867	2373941.948768	17-07-2018 13:18:24	16.530560	0.000692	3.984745	782.0	44.1	71.702	0.003	17.284

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071718_128	S FORK TX CRE	1243480.004156	2373933.357365	17-07-2018 13:22:40	1.459483	0.000000	3.200354	781.7	44.1	6.333	-0.006	13.887
SFTC071718_129	S FORK TX CRE	1243427.993564	2373923.960788	17-07-2018 13:26:01	0.000000	0.000000	3.121706	781.7	44.2	0	-0.022	13.55
SFTC071718_130	S FORK TX CRE	1243434.026459	2373800.413202	17-07-2018 13:29:44	0.000000	0.000000	0.000000	781.7	44.2	0	-0.002	-0.738
SFTC071718_131	S FORK TX CRE	1243471.676604	2373878.347198	17-07-2018 13:32:30	0.000000	0.000000	0.000000	781.3	44.2	0	-0.002	-0.126
SFTC071718_132	S FORK TX CRE	1243506.430452	2373916.481334	17-07-2018 13:35:08	0.000000	0.000000	0.000000	781.7	44.2	0	-0.018	-0.125
SFTC071718_133	S FORK TX CRE	1243561.444946	2373960.505475	17-07-2018 13:38:13	0.000000	0.000000	0.000000	781.9	44.1	0	-0.015	-0.117
SFTC071718_134	S FORK TX CRE	1243591.821835	2373980.983596	17-07-2018 13:41:38	0.000000	0.000000	0.000000	781.9	44.0	0	-0.011	-0.217
SFTC071718_135	S FORK TX CRE	1243641.647173	2374020.995363	17-07-2018 13:44:59	0.000000	0.011305	0.000000	782.1	43.9	0	0.049	-0.145
SFTC071718_136	S FORK TX CRE	1243675.713138	2374053.780641	17-07-2018 13:49:27	0.000000	0.000000	0.000000	782.1	43.8	0	-0.017	-0.175
SFTC071718_137	S FORK TX CRE	1243718.921759	2374124.461144	17-07-2018 13:52:13	0.000000	0.000000	0.036479	782.4	43.8	0	-0.019	0.158
SFTC071718_138	S FORK TX CRE	1243596.37604	2374046.895903	17-07-2018 13:58:51	0.000000	0.000923	0.457749	782.1	43.9	0	0.004	1.984
SFTC071718_139	S FORK TX CRE	1243546.096065	2374039.58985	17-07-2018 14:00:39	2.997517	0.006922	4.728380	782.1	43.9	12.992	0.03	20.494
SFTC071718_140	S FORK TX CRE	1243532.517609	2374057.798837	17-07-2018 14:05:17	0.000000	0.004614	6.270404	782.0	43.9	-2.615	0.02	27.181
SFTC071718_141	S FORK TX CRE	1243548.413018	2374101.023619	17-07-2018 14:09:12	0.000000	0.000000	1.039626	782.0	44.0	0	-0.008	4.508
SFTC071718_142	S FORK TX CRE	1243501.019802	2374101.350877	17-07-2018 14:12:12	0.000000	0.000000	0.969411	782.1	44.0	0	-0.012	4.203
SFTC071718_143	S FORK TX CRE	1243499.695598	2374061.712704	17-07-2018 14:16:08	0.000000	0.000000	8.016330	782.5	44.0	0	-0.023	34.738
SFTC071718_144	S FORK TX CRE	1243439.702028	2374072.379546	17-07-2018 14:20:41	0.000000	0.005764	2.879511	782.0	44.1	0	0.025	12.49
SFTC071718_145	S FORK TX CRE	1243397.302426	2374061.248604	17-07-2018 14:24:02	0.000000	0.000000	0.962100	781.9	44.2	-3.248	-0.001	4.175
SFTC071718_146	S FORK TX CRE	1243363.80318	2374024.100936	17-07-2018 14:27:40	22.942410	0.008984	26.724610	781.6	44.2	99.596	0.039	116.015
SFTC071818_147	S FORK TX CRE	1243549.554212	2373397.965517	18-07-2018 09:37:09	0.000000	0.001448	0.443464	780.9	29.4	-5.24	0.006	1.837
SFTC071818_148	S FORK TX CRE	1243575.073175	2373429.015465	18-07-2018 09:39:59	0.000000	0.000241	0.246580	781.0	30.2	0	0.001	1.024
SFTC071818_149	S FORK TX CRE	1243570.581451	2373474.221665	18-07-2018 09:42:40	0.954932	0.002884	0.489000	780.9	30.8	3.974	0.012	2.035
SFTC071818_150	S FORK TX CRE	1243599.75851	2373499.919513	18-07-2018 09:45:16	0.994482	0.009595	1.115135	781.3	31.5	4.146	0.04	4.649
SFTC071818_151	S FORK TX CRE	1243621.191415	2373471.496141	18-07-2018 09:47:09	0.000000	0.002396	0.452033	781.3	31.9	-0.115	0.01	1.887
SFTC071818_152	S FORK TX CRE	1243673.085861	2373495.805839	18-07-2018 09:48:59	0.000000	0.005021	0.002869	780.9	32.3	-0.001	0.021	0.012
SFTC071818_153	S FORK TX CRE	1243702.728842	2373376.72751	18-07-2018 09:53:48	0.515590	0.002622	0.571845	780.5	33.1	2.163	0.011	2.399

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071818_154	S FORK TX CRE	1243760.373785	2373297.723279	18-07-2018 09:56:58	0.000000	0.003325	0.752937	779.5	33.8	0	0.014	3.17
SFTC071818_155	S FORK TX CRE	1243783.076351	2373345.522979	18-07-2018 09:58:59	0.000000	0.001659	3.016568	779.0	34.2	-0.363	0.007	12.725
SFTC071818_156	S FORK TX CRE	1243773.705803	2373445.130465	18-07-2018 10:01:15	0.000000	0.003552	0.329362	779.1	34.6	-0.995	0.015	1.391
SFTC071818_157	S FORK TX CRE	1243850.617792	2373370.492319	18-07-2018 10:03:46	0.000000	0.007575	0.378535	779.7	34.9	-1.032	0.032	1.599
SFTC071818_158	S FORK TX CRE	1243887.921137	2373403.255835	18-07-2018 10:06:11	0.000000	0.004251	0.283638	778.6	35.2	0	0.018	1.201
SFTC071818_159	S FORK TX CRE	1243916.532568	2373307.304242	18-07-2018 10:08:55	1.027596	0.007308	1.591724	778.2	35.6	4.359	0.031	6.752
SFTC071818_160	S FORK TX CRE	1243980.269173	2373358.874698	18-07-2018 10:11:45	0.000000	0.008695	0.231002	777.0	36.1	0	0.037	0.983
SFTC071818_161	S FORK TX CRE	1244006.047525	2373403.728471	18-07-2018 10:13:31	0.000000	0.004929	0.495203	777.0	36.5	0	0.021	2.11
SFTC071818_162	S FORK TX CRE	1244175.902674	2373366.543294	18-07-2018 10:16:31	0.000000	0.007961	0.213076	776.7	37.1	0	0.034	0.91
SFTC071818_163	S FORK TX CRE	1244319.762479	2373306.061915	18-07-2018 10:19:12	0.000000	0.001399	0.375944	775.1	37.7	0	0.006	1.612
SFTC071818_164	S FORK TX CRE	1244303.085434	2373168.843843	18-07-2018 10:21:36	0.000000	0.002326	0.184882	773.9	38.1	-0.507	0.01	0.795
SFTC071818_165	S FORK TX CRE	1244341.591226	2373022.200043	18-07-2018 10:24:44	0.000000	0.003252	0.373239	774.4	38.7	-0.001	0.014	1.607
SFTC071818_166	S FORK TX CRE	1244224.907363	2372998.069859	18-07-2018 10:27:20	0.000000	0.002088	0.000000	774.6	39.1	-0.961	0.009	-0.327
SFTC071818_167	S FORK TX CRE	1244196.410705	2373124.184508	18-07-2018 10:29:40	0.000000	0.005570	0.116738	775.8	39.5	-0.547	0.024	0.503
SFTC071818_168	S FORK TX CRE	1243987.000299	2373102.392451	18-07-2018 10:33:41	0.000000	0.007643	0.395355	775.7	40.1	-0.001	0.033	1.707
SFTC071818_169	S FORK TX CRE	1244022.757516	2372940.485703	18-07-2018 10:36:47	0.000000	0.000000	0.647211	776.5	40.6	-1.414	-0.006	2.796
SFTC071818_170	S FORK TX CRE	1244143.97606	2372857.354742	18-07-2018 10:40:45	1.447562	0.000923	3.251358	775.7	41.1	6.27	0.004	14.083
SFTC071818_171	S FORK TX CRE	1244009.933003	2372709.070598	18-07-2018 10:44:29	27.512360	0.001154	2.152169	776.6	41.5	119.181	0.005	9.323
SFTC071818_172	S FORK TX CRE	1243976.948517	2372716.183876	18-07-2018 10:46:22	0.000000	0.001389	1.030340	779.0	41.6	-0.159	0.006	4.451
SFTC071818_173	S FORK TX CRE	1244157.552356	2372604.951158	18-07-2018 10:49:24	0.000000	0.002081	0.426012	778.3	41.6	-0.848	0.009	1.842
SFTC071818_174	S FORK TX CRE	1244153.887166	2372370.53726	18-07-2018 10:53:47	0.000000	0.001851	0.868206	778.5	41.6	-0.05	0.008	3.753
SFTC071818_175	S FORK TX CRE	1244218.41583	2372155.567541	18-07-2018 10:56:49	0.000000	0.001615	0.153905	776.5	41.6	-0.497	0.007	0.667
SFTC071818_176	S FORK TX CRE	1244332.24192	2372184.65224	18-07-2018 10:58:45	0.000000	0.003458	1.340613	775.7	41.6	-1.425	0.015	5.816
SFTC071818_177	S FORK TX CRE	1243986.614319	2372152.18044	18-07-2018 11:29:38	0.000000	0.002084	0.386890	779.9	41.9	-0.602	0.009	1.671
SFTC071818_178	S FORK TX CRE	1243976.848482	2372342.826106	18-07-2018 11:32:48	0.000000	0.002538	0.843600	777.0	41.8	0	0.011	3.656
SFTC071818_179	S FORK TX CRE	1243973.494594	2372472.656797	18-07-2018 11:38:55	0.000000	0.006692	0.512549	777.1	41.8	-0.437	0.029	2.221

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071818_180	S FORK TX CRE	1243800.953958	2372824.630942	18-07-2018 11:43:11	0.000000	0.006706	0.119555	778.2	41.6	-0.446	0.029	0.517
SFTC071818_181	S FORK TX CRE	1243776.290534	2372975.32176	18-07-2018 11:45:33	0.000000	0.005088	0.039546	778.0	41.5	0	0.022	0.171
SFTC071818_182	S FORK TX CRE	1243786.540992	2373111.800829	18-07-2018 11:47:56	0.000000	0.002775	0.259442	777.9	41.5	-1.124	0.012	1.122
SFTC071818_183	S FORK TX CRE	1243558.485843	2373193.160584	18-07-2018 11:51:46	0.000000	0.000926	0.525464	778.4	41.5	-1.87	0.004	2.271
SFTC071818_184	S FORK TX CRE	1243565.995003	2373016.552345	18-07-2018 11:54:12	0.000000	0.002319	0.300350	780.5	41.6	-0.09	0.01	1.295
SFTC071818_185	S FORK TX CRE	1243575.304324	2372960.853962	18-07-2018 11:56:20	0.000000	0.003015	0.390058	780.4	41.6	-0.786	0.013	1.682
SFTC071818_186	S FORK TX CRE	1243536.231492	2372952.971498	18-07-2018 11:58:05	0.000000	0.002319	0.206856	780.4	41.6	-0.743	0.01	0.892
SFTC071818_187	S FORK TX CRE	1243546.205465	2373005.209858	18-07-2018 12:00:22	0.000000	0.004174	0.519458	780.4	41.6	0	0.018	2.24
SFTC071818_188	S FORK TX CRE	1243526.278592	2373046.204169	18-07-2018 12:02:35	0.000000	0.002319	0.621958	780.4	41.6	-0.324	0.01	2.682
SFTC071818_189	S FORK TX CRE	1243511.318624	2373002.918872	18-07-2018 12:05:01	240.203800	0.009510	1.246091	780.6	41.6	1035.538	0.041	5.372
SFTC071818_190	S FORK TX CRE	1243514.196668	2372983.014126	18-07-2018 12:07:50	0.000000	0.006033	0.174026	780.6	41.5	-0.001	0.026	0.75
SFTC071818_191	S FORK TX CRE	1243553.976815	2372807.310767	18-07-2018 12:11:03	0.000000	0.006494	0.505875	780.8	41.7	0	0.028	2.181
SFTC071818_192	S FORK TX CRE	1243405.702697	2374093.898454	18-07-2018 12:27:35	0.000000	0.010155	1.515197	779.9	42.9	0	0.044	6.565
SFTC071818_193	S FORK TX CRE	1243435.616545	2374121.997884	18-07-2018 12:29:29	0.000000	0.003936	0.707030	782.3	42.9	-3.402	0.017	3.054
SFTC071818_194	S FORK TX CRE	1243384.796982	2374115.818922	18-07-2018 12:31:51	301.894100	0.007869	8.700149	782.3	43.0	1304.438	0.034	37.592
SFTC071818_195	S FORK TX CRE	1243344.050341	2374119.626444	18-07-2018 12:34:03	1.500864	0.007869	1.667961	782.3	43.0	6.485	0.034	7.207
SFTC071818_196	S FORK TX CRE	1243338.637533	2374099.715483	18-07-2018 12:36:05	1.239412	0.004859	6.483948	782.3	43.1	5.357	0.021	28.025
SFTC071818_197	S FORK TX CRE	1243341.902382	2374031.628078	18-07-2018 12:38:14	0.000000	0.009018	1.324490	782.1	43.2	-0.246	0.039	5.728
SFTC071818_198	S FORK TX CRE	1243271.367561	2374048.449119	18-07-2018 12:40:26	0.000000	0.007628	1.072340	782.1	43.3	-0.631	0.033	4.639
SFTC071818_199	S FORK TX CRE	1243292.599701	2374064.346892	18-07-2018 12:44:45	3.303236	0.000000	1.110242	782.1	43.5	14.299	-0.013	4.806
SFTC071818_200	S FORK TX CRE	1243300.99741	2374087.602032	18-07-2018 12:47:05	0.000000	0.000923	0.000000	782.1	43.7	-14.339	0.004	-2.315
SFTC071818_201	S FORK TX CRE	1243286.84053	2374105.368883	18-07-2018 12:50:08	2.913725	0.011313	19.046800	782.4	43.8	12.62	0.049	82.496
SFTC071818_202	S FORK TX CRE	1243277.624136	2374117.046783	18-07-2018 12:52:08	13.515700	0.015003	4.687725	782.4	43.9	58.558	0.065	20.31
SFTC071818_203	S FORK TX CRE	1243294.920541	2374123.94823	18-07-2018 12:54:07	8.086371	0.010845	5.867153	782.4	44.0	35.046	0.047	25.428
SFTC071818_204	S FORK TX CRE	1243259.56133	2374113.676882	18-07-2018 12:56:14	3.108879	0.014532	4.739898	782.4	44.1	13.478	0.063	20.549
SFTC071818_205	S FORK TX CRE	1243225.414652	2374086.391416	18-07-2018 12:58:07	0.000000	0.005532	0.103034	782.1	44.2	-0.329	0.024	0.447

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071818_206	S FORK TX CRE	1243202.049631	2374042.035361	18-07-2018 13:00:17	1.222921	0.011768	5.208490	783.4	44.4	5.3	0.051	22.573
SFTC071818_207	S FORK TX CRE	1243166.044584	2374029.335015	18-07-2018 13:02:03	0.000000	0.006678	0.314799	782.1	44.5	-7.905	0.029	1.367
SFTC071818_208	S FORK TX CRE	1243153.856722	2374039.613449	18-07-2018 13:03:42	0.000000	0.003684	0.159578	782.3	44.6	-3.197	0.016	0.693
SFTC071818_209	S FORK TX CRE	1243160.856661	2374088.125635	18-07-2018 13:05:47	0.000000	0.002070	2.103931	781.5	44.7	-0.298	0.009	9.149
SFTC071818_210	S FORK TX CRE	1243174.081885	2374136.022626	18-07-2018 13:07:48	0.000000	0.002528	0.245001	781.3	44.8	0	0.011	1.066
SFTC071818_211	S FORK TX CRE	1243193.741799	2374160.237271	18-07-2018 13:09:26	0.000000	0.008499	1.034403	780.9	44.8	-0.763	0.037	4.503
SFTC071818_212	S FORK TX CRE	1243221.413581	2374179.908015	18-07-2018 13:11:17	0.000000	0.004595	0.249763	781.1	44.8	0	0.02	1.087
SFTC071818_213	S FORK TX CRE	1243230.500619	2374215.508312	18-07-2018 13:13:38	0.000000	0.004363	1.477286	780.9	44.9	-1.318	0.019	6.433
SFTC071818_214	S FORK TX CRE	1243208.141797	2374254.477984	18-07-2018 13:16:00	0.000000	0.002296	0.000000	780.6	44.9	-0.406	0.01	-0.058
SFTC071818_215	S FORK TX CRE	1243249.694494	2374268.913521	18-07-2018 13:18:50	1.407672	0.002066	1.055123	780.5	44.9	6.133	0.009	4.597
SFTC071818_216	S FORK TX CRE	1243257.464126	2374185.296558	18-07-2018 13:21:08	0.000000	0.008500	1.142678	781.2	44.9	0	0.037	4.974
SFTC071818_217	S FORK TX CRE	1243283.162559	2374216.417679	18-07-2018 13:24:04	32.804770	0.007122	2.360247	781.2	44.9	142.797	0.031	10.274
SFTC071818_218	S FORK TX CRE	1243284.740831	2374200.185508	18-07-2018 13:26:20	204.370300	0.012412	2.925502	781.6	44.9	889.155	0.054	12.728
SFTC071818_219	S FORK TX CRE	1243274.022695	2374146.401107	18-07-2018 13:28:26	0.000000	0.011950	0.890724	781.7	45.0	-1.023	0.052	3.876
SFTC071818_220	S FORK TX CRE	1243285.26345	2374146.269722	18-07-2018 13:30:32	2.488787	0.013099	2.507401	781.7	45.0	10.83	0.057	10.911
SFTC071818_221	S FORK TX CRE	1243314.416111	2374149.789053	18-07-2018 13:32:31	1.451681	0.013784	4.180446	781.7	45.1	6.319	0.06	18.197
SFTC071818_222	S FORK TX CRE	1243317.051478	2374156.304517	18-07-2018 13:33:48	0.000000	0.014239	1.248205	781.7	45.2	-0.189	0.062	5.435
SFTC071818_223	S FORK TX CRE	1243352.036294	2374141.854199	18-07-2018 13:35:57	2.398510	0.009872	0.937410	781.7	45.3	10.447	0.043	4.083
SFTC071818_224	S FORK TX CRE	1243365.686736	2374142.660134	18-07-2018 13:37:53	11.574050	0.014460	3.714952	781.7	45.4	50.428	0.063	16.186
SFTC071818_225	S FORK TX CRE	1243377.883015	2374145.160641	18-07-2018 13:39:45	957.515600	0.009866	1.675632	781.7	45.5	4173.194	0.043	7.303
SFTC071818_226	S FORK TX CRE	1243364.295524	2374153.499941	18-07-2018 13:41:36	0.000000	0.006431	0.537648	782.7	45.6	-0.386	0.028	2.341
SFTC071818_227	S FORK TX CRE	1243369.343356	2374166.035407	18-07-2018 13:43:52	131.875200	0.004126	3.642670	781.7	45.8	575.3	0.018	15.891
SFTC071818_228	S FORK TX CRE	1243369.63263	2374175.567774	18-07-2018 13:45:28	0.000000	0.011687	1.202156	781.7	45.9	-0.901	0.051	5.246
SFTC071818_229	S FORK TX CRE	1243363.500925	2374185.050261	18-07-2018 13:46:59	0.000000	0.003208	0.417523	781.7	45.9	-1.461	0.014	1.822
SFTC071818_230	S FORK TX CRE	1243374.267874	2374191.402567	18-07-2018 13:48:45	27.211160	0.004811	5.817610	781.7	46.0	118.782	0.021	25.395
SFTC071818_231	S FORK TX CRE	1243396.608147	2374185.192634	18-07-2018 13:51:17	0.000000	0.009156	0.420054	781.6	46.2	-0.484	0.04	1.835

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071818_232	S FORK TX CRE	1243397.552428	2374150.090456	18-07-2018 13:53:33	1.530223	0.013503	2.917174	781.7	46.3	6.686	0.059	12.746
SFTC071818_233	S FORK TX CRE	1243418.562376	2374156.11556	18-07-2018 13:55:13	0.000000	0.007779	1.371873	781.7	46.4	-1.01	0.034	5.996
SFTC071818_234	S FORK TX CRE	1243424.464255	2374145.606434	18-07-2018 13:56:48	0.000000	0.004117	1.015088	781.7	46.5	-1.671	0.018	4.438
SFTC071818_235	S FORK TX CRE	1243447.980838	2374145.595378	18-07-2018 13:58:21	0.000000	0.006402	0.596789	781.7	46.6	-0.047	0.028	2.61
SFTC071818_236	S FORK TX CRE	1243434.339223	2374175.733961	18-07-2018 14:00:15	0.000000	0.008229	1.537681	781.7	46.7	0	0.036	6.727
SFTC071818_237	S FORK TX CRE	1243431.247891	2374210.897775	18-07-2018 14:01:54	0.000000	0.011426	1.171810	781.7	46.8	-0.73	0.05	5.128
SFTC071818_238	S FORK TX CRE	1243419.499896	2374242.96309	18-07-2018 14:04:03	5.149868	0.014175	5.121518	782.1	46.8	22.525	0.062	22.401
SFTC071818_239	S FORK TX CRE	1243401.929268	2374243.782145	18-07-2018 14:05:58	0.744412	0.012799	1.734066	782.1	46.9	3.257	0.056	7.587
SFTC071818_240	S FORK TX CRE	1243385.939645	2374231.774632	18-07-2018 14:08:34	130.212000	0.005484	1.602602	782.1	47.0	569.89	0.024	7.014
SFTC071818_241	S FORK TX CRE	1243362.425582	2374249.269695	18-07-2018 14:10:35	0.000000	0.010960	1.383513	781.6	47.0	-0.334	0.048	6.059
SFTC071818_242	S FORK TX CRE	1243353.26235	2374267.355866	18-07-2018 14:12:00	0.000000	0.006850	0.777270	781.6	47.0	-2.354	0.03	3.404
SFTC071818_243	S FORK TX CRE	1243340.060357	2374231.868817	18-07-2018 14:13:42	0.000000	0.007079	1.888144	781.6	47.0	-1.08	0.031	8.269
SFTC071818_244	S FORK TX CRE	1243406.144925	2374260.254086	18-07-2018 14:17:29	0.000000	0.014602	1.178405	781.2	47.1	0	0.064	5.165
SFTC071818_245	S FORK TX CRE	1243448.588812	2374236.741483	18-07-2018 14:19:13	0.000000	0.012556	1.642511	781.9	47.2	0	0.055	7.195
SFTC071818_246	S FORK TX CRE	1243483.066316	2374187.070492	18-07-2018 14:22:08	0.000000	0.007988	1.084077	781.7	47.2	0	0.035	4.75
SFTC071818_247	S FORK TX CRE	1243541.455216	2374183.113792	18-07-2018 14:24:08	0.000000	0.002736	0.115616	781.3	47.3	0	0.012	0.507
SFTC071818_248	S FORK TX CRE	1243537.037867	2374278.765167	18-07-2018 14:28:25	0.000000	0.007755	0.427430	781.7	47.4	0	0.034	1.874
SFTC071818_249	S FORK TX CRE	1243504.686511	2374305.883906	18-07-2018 14:30:14	0.000000	0.003647	0.435874	781.3	47.4	0	0.016	1.912
SFTC071818_250	S FORK TX CRE	1243462.221864	2374346.052866	18-07-2018 14:32:04	0.000000	0.004558	0.604609	781.3	47.5	0	0.02	2.653
SFTC071818_251	S FORK TX CRE	1243414.424001	2374333.357609	18-07-2018 14:33:54	0.000000	0.006156	1.768700	781.6	47.5	0	0.027	7.758
SFTC071818_252	S FORK TX CRE	1243457.362622	2374464.424347	18-07-2018 14:36:05	0.000000	0.002961	0.274722	781.2	47.6	0	0.013	1.206
SFTC071818_253	S FORK TX CRE	1243519.59409	2374396.05961	18-07-2018 14:37:52	0.000000	0.009566	0.582824	781.3	47.7	0	0.042	2.559
SFTC071818_254	S FORK TX CRE	1243543.647927	2374578.5209	18-07-2018 14:40:12	0.000000	0.004328	0.960177	781.7	47.8	-0.533	0.019	4.215
SFTC071818_255	S FORK TX CRE	1243576.039364	2374942.509073	18-07-2018 14:43:47	0.000000	0.001593	0.322737	781.5	48.0	-0.381	0.007	1.418
SFTC071818_256	S FORK TX CRE	1243407.674086	2374740.630534	18-07-2018 14:47:11	0.000000	0.002729	0.428704	781.4	48.2	0	0.012	1.885
SFTC071818_257	S FORK TX CRE	1243329.921949	2374627.708659	18-07-2018 14:49:58	0.000000	0.000000	0.139151	781.2	48.2	-1.239	-0.007	0.612

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071818_258	S FORK TX CRE	1243285.807792	2374568.591631	18-07-2018 14:52:14	0.000000	0.000000	0.119309	780.8	48.2	-0.081	-0.008	0.525
SFTC071818_259	S FORK TX CRE	1243246.486522	2374657.858767	18-07-2018 14:55:02	0.000000	0.005451	0.836443	780.3	48.2	-0.534	0.024	3.683
SFTC071818_260	S FORK TX CRE	1243244.705115	2374770.455212	18-07-2018 14:58:13	5.281437	0.005675	2.156884	779.9	48.2	23.267	0.025	9.502
SFTC071918_262	S FORK TX CRE	1243337.856139	2374358.890515	19-07-2018 09:51:31	0.000000	0.001938	0.579296	781.4	28.5	-0.186	0.008	2.391
SFTC071918_263	S FORK TX CRE	1243359.165174	2374445.32435	19-07-2018 09:54:02	0.000000	0.000967	0.253324	781.4	29.2	-0.386	0.004	1.048
SFTC071918_264	S FORK TX CRE	1243289.842346	2374420.998576	19-07-2018 09:55:58	0.000000	0.003380	0.340878	781.7	29.7	-0.497	0.014	1.412
SFTC071918_265	S FORK TX CRE	1243271.050285	2374350.458503	19-07-2018 09:58:33	21.701820	0.002650	1.164301	781.6	30.3	90.084	0.011	4.833
SFTC071918_266	S FORK TX CRE	1243252.957971	2374348.365407	19-07-2018 10:00:20	1.220430	0.002407	0.804314	781.6	30.6	5.071	0.01	3.342
SFTC071918_267	S FORK TX CRE	1243209.387034	2374338.621881	19-07-2018 10:03:03	0.000000	0.001920	0.327073	780.6	31.1	0	0.008	1.363
SFTC071918_268	S FORK TX CRE	1243169.498571	2374497.864416	19-07-2018 10:06:11	0.000000	0.003113	0.197078	780.5	31.7	-0.001	0.013	0.823
SFTC071918_269	S FORK TX CRE	1243183.92166	2374566.314493	19-07-2018 10:08:27	0.000000	0.001196	0.305871	780.5	32.1	-1.632	0.005	1.279
SFTC071918_270	S FORK TX CRE	1243187.537154	2374657.784142	19-07-2018 10:10:53	0.000000	0.001672	0.524484	780.5	32.5	-0.001	0.007	2.196
SFTC071918_271	S FORK TX CRE	1243144.394327	2374708.302783	19-07-2018 10:14:54	0.000000	0.001906	0.257034	780.0	33.1	0	0.008	1.079
SFTC071918_272	S FORK TX CRE	1243088.202686	2374618.698286	19-07-2018 10:17:10	0.000000	0.003091	0.445635	779.4	33.4	-0.518	0.013	1.874
SFTC071918_273	S FORK TX CRE	1243078.502507	2374550.634323	19-07-2018 10:18:59	0.000000	0.002615	0.199961	779.8	33.6	-0.364	0.011	0.841
SFTC071918_274	S FORK TX CRE	1243071.566328	2374448.510848	19-07-2018 10:20:53	0.000000	0.002850	0.315682	779.8	33.9	-0.002	0.012	1.329
SFTC071918_275	S FORK TX CRE	1243075.568206	2374384.792525	19-07-2018 10:23:01	0.000000	0.002374	0.468824	779.8	34.1	-0.688	0.01	1.975
SFTC071918_276	S FORK TX CRE	1243034.741253	2374345.436128	19-07-2018 10:26:31	0.000000	0.002134	0.500584	780.0	34.5	-0.447	0.009	2.111
SFTC071918_277	S FORK TX CRE	1242987.754616	2374348.837546	19-07-2018 10:29:20	0.000000	0.003315	0.641279	779.7	34.8	0	0.014	2.708
SFTC071918_278	S FORK TX CRE	1242947.943301	2374456.127408	19-07-2018 10:32:48	0.000000	0.002837	0.313717	779.4	35.2	0	0.012	1.327
SFTC071918_279	S FORK TX CRE	1242959.007521	2374559.645931	19-07-2018 10:35:19	0.000000	0.003541	0.334969	779.0	35.5	0	0.015	1.419
SFTC071918_280	S FORK TX CRE	1242989.192625	2374663.31366	19-07-2018 10:37:58	0.000000	0.002831	0.622007	778.9	35.7	-0.002	0.012	2.637
SFTC071918_281	S FORK TX CRE	1242994.225862	2374747.22669	19-07-2018 10:40:02	0.000000	0.007072	0.103247	778.9	35.9	0	0.03	0.438
SFTC071918_282	S FORK TX CRE	1242860.191946	2374831.705056	19-07-2018 10:42:42	0.000000	0.003770	0.205707	779.1	36.1	-0.868	0.016	0.873
SFTC071918_283	S FORK TX CRE	1242836.504043	2374761.319142	19-07-2018 10:44:44	0.000000	0.003765	0.313653	778.5	36.3	-1.258	0.016	1.333
SFTC071918_284	S FORK TX CRE	1242838.506432	2374583.579126	19-07-2018 10:46:58	0.000000	0.001881	0.379105	778.6	36.5	0	0.008	1.612

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071918_285	S FORK TX CRE	1242589.646384	2374421.440428	19-07-2018 10:49:53	0.000000	0.002821	0.642211	779.0	36.8	-1.44	0.012	2.732
SFTC071918_286	S FORK TX CRE	1242606.329458	2374555.722021	19-07-2018 10:52:38	0.000000	0.002584	0.195452	779.0	37.0	0	0.011	0.832
SFTC071918_287	S FORK TX CRE	1242698.354441	2374751.539892	19-07-2018 10:55:01	0.000000	0.003054	0.518262	779.3	37.1	0	0.013	2.206
SFTC071918_288	S FORK TX CRE	1243031.840517	2374987.330781	19-07-2018 11:00:07	0.000000	0.002816	0.252932	779.3	37.5	0	0.012	1.078
SFTC071918_289	S FORK TX CRE	1243021.848273	2375044.031909	19-07-2018 11:01:52	0.000000	0.003754	0.312507	779.5	37.6	0	0.016	1.332
SFTC071918_290	S FORK TX CRE	1243179.46511	2374905.587617	19-07-2018 11:04:37	0.000000	0.001877	0.312741	780.0	37.8	0	0.008	1.333
SFTC071918_291	S FORK TX CRE	1243251.292495	2374956.003131	19-07-2018 11:07:14	2.363424	0.002107	0.394255	778.6	37.9	10.095	0.009	1.684
SFTC071918_292	S FORK TX CRE	1243261.551664	2375036.626493	19-07-2018 11:09:00	0.000000	0.003048	0.416642	780.0	38.0	0	0.013	1.777
SFTC071918_293	S FORK TX CRE	1243368.475707	2374969.679784	19-07-2018 11:11:17	0.000000	0.002344	1.172093	780.1	38.1	0	0.01	5
SFTC071918_294	S FORK TX CRE	1243410.241864	2375031.772355	19-07-2018 11:13:16	0.000000	0.005158	0.337393	780.5	38.2	-0.565	0.022	1.439
SFTC071918_295	S FORK TX CRE	1243586.450119	2375079.743769	19-07-2018 11:15:47	0.000000	0.001642	0.096636	781.3	38.4	0	0.007	0.412
SFTC071918_296	S FORK TX CRE	1243591.848564	2375248.806055	19-07-2018 11:18:02	0.000000	0.002817	0.298796	782.1	38.5	-2.184	0.012	1.273
SFTC071918_297	S FORK TX CRE	1243566.944317	2375395.982242	19-07-2018 11:21:16	0.000000	0.000234	0.000000	782.1	38.8	0	0.001	-0.099
SFTC071918_298	S FORK TX CRE	1243609.91062	2375537.35128	19-07-2018 11:24:29	0.000000	0.002337	0.771585	780.1	39.0	-0.693	0.01	3.301
SFTC071918_299	S FORK TX CRE	1243582.573553	2375712.479979	19-07-2018 11:28:47	0.000000	0.002566	0.190110	779.0	39.2	-0.745	0.011	0.815
SFTC071918_300	S FORK TX CRE	1243589.29275	2375865.069021	19-07-2018 11:32:35	0.000000	0.002327	0.677057	777.5	39.4	-0.88	0.01	2.91
SFTC071918_301	S FORK TX CRE	1243579.621669	2376013.107276	19-07-2018 11:36:49	0.000000	0.000928	0.038763	775.9	39.5	-4.431	0.004	0.167
SFTC071918_302	S FORK TX CRE	1243555.914522	2376057.741968	19-07-2018 11:39:10	0.000000	0.009028	0.166669	773.8	39.5	-0.563	0.039	0.72
SFTC071918_303	S FORK TX CRE	1243373.208535	2376092.302184	19-07-2018 11:43:00	0.000000	0.001388	0.263560	774.0	39.7	0	0.006	1.139
SFTC071918_304	S FORK TX CRE	1243326.937383	2376007.866626	19-07-2018 11:46:28	0.000000	0.004620	0.216469	773.0	39.8	-0.085	0.02	0.937
SFTC071918_305	S FORK TX CRE	1243411.372011	2375861.897113	19-07-2018 11:51:14	0.000000	0.000000	0.089291	772.5	40.0	-0.241	0	0.387
SFTC071918_306	S FORK TX CRE	1243493.56666	2375745.354539	19-07-2018 11:54:26	0.000000	0.004622	0.705738	774.2	40.2	-0.329	0.02	3.054
SFTC071918_307	S FORK TX CRE	1243439.398308	2375684.556807	19-07-2018 11:58:18	0.000000	0.005550	0.475948	775.3	40.4	-0.71	0.024	2.058
SFTC071918_308	S FORK TX CRE	1243138.785951	2375947.113436	19-07-2018 12:04:31	0.000000	0.004618	0.190479	775.0	40.8	-3.27	0.02	0.825
SFTC071918_309	S FORK TX CRE	1243171.043537	2376138.098568	19-07-2018 12:07:51	0.000000	0.000461	0.460056	774.7	40.9	-0.101	0.002	1.994
SFTC071918_310	S FORK TX CRE	1243176.635015	2376254.822781	19-07-2018 12:10:35	0.000000	0.003916	0.257794	773.8	41.0	-0.357	0.017	1.119

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071918_311	S FORK TX CRE	1242958.290228	2376314.157325	19-07-2018 12:14:39	0.000000	0.001383	0.209103	774.6	41.1	-0.672	0.006	0.907
SFTC071918_312	S FORK TX CRE	1242970.946457	2376169.760651	19-07-2018 12:20:01	0.000000	0.003921	0.263385	775.4	41.3	-0.361	0.017	1.142
SFTC071918_313	S FORK TX CRE	1242807.946636	2376213.41858	19-07-2018 12:22:38	0.000000	0.003228	0.384880	775.3	41.3	-0.905	0.014	1.669
SFTC071918_314	S FORK TX CRE	1242742.723707	2376315.395434	19-07-2018 12:24:37	0.000000	0.001612	0.161164	774.3	41.4	-0.352	0.007	0.7
SFTC071918_315	S FORK TX CRE	1242992.404616	2375973.156737	19-07-2018 12:28:02	0.000000	0.004831	0.713642	774.2	41.6	-0.427	0.021	3.102
SFTC071918_316	S FORK TX CRE	1243119.318609	2375807.444742	19-07-2018 12:30:33	0.000000	0.008527	0.575691	775.8	41.7	-0.162	0.037	2.498
SFTC071918_317	S FORK TX CRE	1243273.379162	2375759.235275	19-07-2018 12:33:12	0.000000	0.005299	0.298352	775.8	41.8	-0.43	0.023	1.295
SFTC071918_318	S FORK TX CRE	1243473.228434	2375494.279011	19-07-2018 12:36:49	0.000000	0.010121	0.280165	775.3	42.1	-0.146	0.044	1.218
SFTC071918_319	S FORK TX CRE	1243294.662687	2375585.799681	19-07-2018 12:39:34	0.000000	0.004377	0.168867	777.0	42.3	-0.002	0.019	0.733
SFTC071918_320	S FORK TX CRE	1243146.215098	2375622.464989	19-07-2018 12:42:41	0.000000	0.003454	0.473419	777.1	42.5	-0.654	0.015	2.056
SFTC071918_321	S FORK TX CRE	1242993.691027	2375754.774967	19-07-2018 12:45:24	0.000000	0.004832	0.799321	777.0	42.7	0	0.021	3.474
SFTC071918_322	S FORK TX CRE	1243002.597235	2375657.239081	19-07-2018 12:47:28	0.000000	0.008056	0.756817	777.3	42.7	-0.242	0.035	3.288
SFTC071918_323	S FORK TX CRE	1243174.857328	2375480.56725	19-07-2018 12:53:20	0.000000	0.005526	0.385236	778.1	42.9	-0.749	0.024	1.673
SFTC071918_324	S FORK TX CRE	1243302.518509	2375430.237087	19-07-2018 12:55:58	0.000000	0.001382	0.149713	778.8	43.1	-0.372	0.006	0.65
SFTC071918_325	S FORK TX CRE	1243456.233435	2375352.203959	19-07-2018 12:59:16	0.000000	0.005752	0.150941	778.5	43.3	-1.155	0.025	0.656
SFTC071918_326	S FORK TX CRE	1243498.454781	2375242.480134	19-07-2018 13:02:06	0.000000	0.002764	0.619170	779.6	43.4	0	0.012	2.688
SFTC071918_327	S FORK TX CRE	1243449.534661	2375101.990544	19-07-2018 13:04:16	0.000000	0.005076	0.185058	781.2	43.5	-1.505	0.022	0.802
SFTC071918_328	S FORK TX CRE	1243313.722749	2375147.01786	19-07-2018 13:06:33	0.000000	0.003228	0.000000	780.8	43.6	-0.179	0.014	-0.268
SFTC071918_329	S FORK TX CRE	1243308.130138	2375283.473817	19-07-2018 13:09:42	0.000000	0.005075	0.298973	781.5	43.7	-1.029	0.022	1.296
SFTC071918_330	S FORK TX CRE	1243184.183303	2375348.006753	19-07-2018 13:12:22	0.000000	0.002762	0.141078	779.9	43.8	-0.576	0.012	0.613
SFTC071918_331	S FORK TX CRE	1243027.632286	2375454.805317	19-07-2018 13:15:31	0.000000	0.002988	0.401958	779.3	44.0	-0.33	0.013	1.749
SFTC071918_332	S FORK TX CRE	1243032.636672	2375331.822338	19-07-2018 13:18:31	0.000000	0.007809	0.949484	779.3	44.2	-0.001	0.034	4.134
SFTC071918_333	S FORK TX CRE	1243182.392857	2375183.04949	19-07-2018 13:21:29	0.000000	0.005514	0.474640	780.0	44.4	-0.001	0.024	2.066
SFTC071918_334	S FORK TX CRE	1242994.126817	2375156.321819	19-07-2018 13:25:04	0.000000	0.000689	0.340520	780.6	44.6	-1.376	0.003	1.482
SFTC071918_335	S FORK TX CRE	1242755.198634	2375239.817136	19-07-2018 13:32:04	0.000000	0.003667	0.292410	780.0	45.2	-0.001	0.016	1.276
SFTC071918_336	S FORK TX CRE	1242757.468947	2375279.722165	19-07-2018 13:33:49	0.000000	0.011442	0.257675	779.4	45.4	-0.614	0.05	1.126

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071918_337	S FORK TX CRE	1242562.422649	2375176.149409	19-07-2018 13:36:48	0.716058	0.008007	2.060324	779.9	45.7	3.13	0.035	9.006
SFTC071918_338	S FORK TX CRE	1242577.622305	2374959.117672	19-07-2018 13:39:58	0.000000	0.005254	0.111016	779.7	46.1	0	0.023	0.486
SFTC071918_339	S FORK TX CRE	1242496.648481	2374939.783234	19-07-2018 13:42:16	0.000000	0.002738	0.158120	779.3	46.3	0	0.012	0.693
SFTC071918_340	S FORK TX CRE	1242374.595886	2375089.446875	19-07-2018 13:44:45	0.000000	0.008434	0.604716	779.0	46.5	0	0.037	2.653
SFTC071918_341	S FORK TX CRE	1242345.853937	2375321.619747	19-07-2018 13:47:40	0.000000	0.003418	0.198232	779.2	46.7	-0.001	0.015	0.87
SFTC071918_342	S FORK TX CRE	1242544.808557	2375382.65464	19-07-2018 13:50:05	0.000000	0.004323	0.535775	778.5	46.9	0	0.019	2.355
SFTC071918_343	S FORK TX CRE	1242721.416433	2375520.441768	19-07-2018 13:53:16	0.000000	0.007053	0.431813	779.0	47.1	0	0.031	1.898
SFTC071918_344	S FORK TX CRE	1242551.870306	2375519.801663	19-07-2018 13:55:45	0.000000	0.010677	0.546357	778.1	47.2	-0.464	0.047	2.405
SFTC071918_345	S FORK TX CRE	1242398.702236	2375510.584456	19-07-2018 13:58:35	0.000000	0.004992	0.354237	777.5	47.3	-0.187	0.022	1.561
SFTC071918_346	S FORK TX CRE	1242421.106972	2375730.350357	19-07-2018 14:01:35	0.000000	0.002268	0.265618	777.4	47.4	-0.223	0.01	1.171
SFTC071918_347	S FORK TX CRE	1242569.894482	2375776.90713	19-07-2018 14:04:21	0.000000	0.004080	0.587338	776.9	47.4	-0.813	0.018	2.591
SFTC071918_348	S FORK TX CRE	1242710.279017	2375778.217539	19-07-2018 14:06:58	0.000000	0.000000	0.097436	776.6	47.4	-0.177	-0.004	0.43
SFTC071918_349	S FORK TX CRE	1242761.462148	2375912.484239	19-07-2018 14:10:53	1.140924	0.003398	1.065950	776.3	47.4	5.037	0.015	4.706
SFTC071918_350	S FORK TX CRE	1242577.139018	2375974.932692	19-07-2018 14:14:03	6.942718	0.004526	2.869470	775.4	47.3	30.677	0.02	12.679
SFTC071918_351	S FORK TX CRE	1242463.209643	2375937.006153	19-07-2018 14:17:33	0.000000	0.005210	0.316903	776.1	47.3	-0.993	0.023	1.399
SFTC071918_352	S FORK TX CRE	1242554.047271	2376175.909922	19-07-2018 14:20:35	0.000000	0.005436	0.740840	775.5	47.1	-0.363	0.024	3.271
SFTC071918_353	S FORK TX CRE	1242580.834735	2376361.877744	19-07-2018 14:24:07	0.000000	0.000906	0.017667	775.3	47.0	-0.188	0.004	0.078
SFTC071918_354	S FORK TX CRE	1242772.152634	2376503.800306	19-07-2018 14:28:17	0.000000	0.002263	0.400030	774.0	46.8	-1.613	0.01	1.768
SFTC071918_355	S FORK TX CRE	1242969.814282	2376561.012321	19-07-2018 14:31:11	0.000000	0.000000	0.294083	775.4	46.7	-1.052	0	1.297
SFTC071918_356	S FORK TX CRE	1243020.342773	2376720.013179	19-07-2018 14:33:31	0.000000	0.005912	0.228960	777.3	46.6	0	0.026	1.007
SFTC071918_357	S FORK TX CRE	1242744.097371	2376813.724961	19-07-2018 14:36:45	0.000000	0.003637	0.535571	776.9	46.5	-4.326	0.016	2.356
SFTC071918_358	S FORK TX CRE	1242623.16016	2376793.89847	19-07-2018 14:38:42	0.000000	0.005228	0.415514	776.6	46.4	0	0.023	1.828
SFTC071918_359	S FORK TX CRE	1242566.826494	2376887.884381	19-07-2018 14:40:52	0.000000	0.006591	0.441597	776.5	46.4	0	0.029	1.943
SFTC071918_360	S FORK TX CRE	1242428.271978	2376840.922115	19-07-2018 14:42:58	0.000000	0.000000	0.017041	776.3	46.4	0	-0.002	0.075
SFTC071918_361	S FORK TX CRE	1242393.941411	2376973.515345	19-07-2018 14:45:18	0.000000	0.003179	2.414675	775.8	46.4	0	0.014	10.634
SFTC071918_362	S FORK TX CRE	1242247.960947	2377039.044592	19-07-2018 14:47:22	0.000000	0.001817	0.287018	775.8	46.4	-0.347	0.008	1.264

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071918_363	S FORK TX CRE	1242193.920921	2377165.95147	19-07-2018 14:49:20	0.000000	0.001588	0.400522	775.3	46.4	0	0.007	1.765
SFTC071918_364	S FORK TX CRE	1242228.390978	2376819.906678	19-07-2018 14:52:35	0.000000	0.005443	0.140386	775.1	46.5	0	0.024	0.619
SFTC071918_365	S FORK TX CRE	1242572.348845	2376573.781108	19-07-2018 14:56:51	0.000000	0.004077	0.448200	774.5	46.7	-0.111	0.018	1.979
SFTC072018_01	S FORK TX CRE	1242509.881053	2376987.563953	20-07-2018 11:46:13	0.000000	0.000476	1.159508	777.4	32.3	-5.323	0.002	4.871
SFTC072018_02	S FORK TX CRE	1242730.74174	2376964.930929	20-07-2018 11:50:46	0.000000	0.000712	0.685754	777.7	33.5	-1.193	0.003	2.891
SFTC072018_03	S FORK TX CRE	1242808.123509	2376913.31406	20-07-2018 11:53:52	5.101798	0.002600	0.742166	776.7	34.2	21.585	0.011	3.14
SFTC072018_04	S FORK TX CRE	1242836.624169	2376980.171584	20-07-2018 11:57:03	0.494824	0.000472	0.328860	777.3	34.8	2.096	0.002	1.393
SFTC072018_05	S FORK TX CRE	1242877.356964	2377059.503922	20-07-2018 12:01:01	17.790800	0.001412	1.488468	776.6	35.6	75.623	0.006	6.327
SFTC072018_06	S FORK TX CRE	1242949.155763	2376902.416447	20-07-2018 12:04:04	0.000000	0.000469	0.163305	775.8	36.1	-0.092	0.002	0.696
SFTC072018_07	S FORK TX CRE	1243029.435938	2377081.797091	20-07-2018 12:08:54	0.000000	0.001171	0.122468	776.0	36.8	-0.002	0.005	0.523
SFTC072018_08	S FORK TX CRE	1243082.812209	2377169.410336	20-07-2018 12:12:50	0.000000	0.000700	0.226306	774.4	37.3	0	0.003	0.97
SFTC072018_09	S FORK TX CRE	1243090.762873	2377217.828998	20-07-2018 12:16:28	0.000000	0.002095	0.176679	773.4	37.6	0	0.009	0.759
SFTC072018_10	S FORK TX CRE	1243176.06564	2377355.13071	20-07-2018 12:21:19	0.000000	0.001161	0.099360	772.8	38.2	-2.034	0.005	0.428
SFTC072018_11	S FORK TX CRE	1243177.959718	2377518.454197	20-07-2018 12:30:01	0.000000	0.001154	0.161398	771.1	39.2	-1.826	0.005	0.699
SFTC072018_12	S FORK TX CRE	1243252.875692	2377801.370604	20-07-2018 12:40:21	0.000000	0.001149	0.077898	769.6	40.1	-0.05	0.005	0.339
SFTC072018_13	S FORK TX CRE	1243194.05733	2377987.555202	20-07-2018 12:49:37	0.000000	0.001826	0.130343	765.5	40.5	-0.761	0.008	0.571
SFTC072018_14	S FORK TX CRE	1243017.462727	2378086.923819	20-07-2018 12:58:42	0.000000	0.003646	0.238799	765.1	40.9	-0.81	0.016	1.048
SFTC072018_15	S FORK TX CRE	1242960.286392	2377903.421462	20-07-2018 13:04:25	0.000000	0.002056	0.000000	767.5	41.1	-0.269	0.009	-1.965
SFTC072018_16	S FORK TX CRE	1242975.088904	2377800.445067	20-07-2018 13:07:24	0.000000	0.002513	0.205175	768.4	41.4	-0.539	0.011	0.898
SFTC072018_17	S FORK TX CRE	1243027.303699	2377573.48006	20-07-2018 13:11:56	0.000000	0.002282	0.164732	768.3	41.8	0	0.01	0.722
SFTC072018_18	S FORK TX CRE	1243045.632213	2377388.380889	20-07-2018 13:17:53	0.655090	0.002737	0.474210	769.3	42.3	2.872	0.012	2.079
SFTC072018_19	S FORK TX CRE	1242972.371034	2377385.223104	20-07-2018 13:26:54	1.148281	0.002739	0.135119	771.5	43.0	5.031	0.012	0.592
SFTC072018_20	S FORK TX CRE	1242859.360735	2377384.979742	20-07-2018 13:31:41	0.000000	0.000456	0.252844	771.6	43.1	-0.326	0.002	1.108
SFTC072018_21	S FORK TX CRE	1242783.397662	2377607.601171	20-07-2018 13:37:53	0.000000	0.002511	0.336957	772.4	43.3	-0.802	0.011	1.476
SFTC072018_22	S FORK TX CRE	1242769.386561	2377821.53829	20-07-2018 13:42:08	0.000000	0.000228	0.228473	772.0	43.2	-0.887	0.001	1.001
SFTC072018_23	S FORK TX CRE	1242820.58588	2377994.187149	20-07-2018 13:46:26	0.000000	0.001140	0.167617	771.1	43.1	-2.054	0.005	0.735

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC072018_24	S FORK TX CRE	1242763.049868	2378209.22844	20-07-2018 13:52:11	0.000000	0.008655	0.219780	769.6	42.9	-0.292	0.038	0.965
SFTC072018_25	S FORK TX CRE	1242797.971527	2378361.14715	20-07-2018 13:57:34	0.000000	0.000912	0.161662	770.0	42.7	-0.566	0.004	0.709
SFTC072018_26	S FORK TX CRE	1242720.754581	2378544.535237	20-07-2018 14:01:38	0.000000	0.000227	0.143310	767.7	42.5	-1.603	0.001	0.63
SFTC072018_27	S FORK TX CRE	1242613.848887	2378583.52922	20-07-2018 14:04:56	0.000000	0.001819	0.302687	767.0	42.3	-1.019	0.008	1.331
SFTC072018_28	S FORK TX CRE	1242431.886487	2378529.31628	20-07-2018 14:09:34	0.000000	0.000683	0.237877	767.5	42.2	-0.448	0.003	1.045
SFTC072018_29	S FORK TX CRE	1242112.997253	2378705.323235	20-07-2018 14:16:02	0.000000	0.001595	0.250947	768.0	42.0	-0.273	0.007	1.101
SFTC072018_30	S FORK TX CRE	1242161.068685	2378609.323587	20-07-2018 14:18:49	0.000000	0.003196	0.130814	769.0	41.9	-0.35	0.014	0.573
SFTC072018_31	S FORK TX CRE	1242445.300542	2378392.146663	20-07-2018 14:26:19	0.000000	0.000913	0.256851	769.3	42.0	-0.838	0.004	1.125
SFTC072018_32	S FORK TX CRE	1242637.146564	2378414.042973	20-07-2018 14:29:15	0.000000	0.001141	0.901977	768.4	41.9	0	0.005	3.954
SFTC072018_33	S FORK TX CRE	1242437.590367	2378263.4549	20-07-2018 14:38:32	0.000000	0.001824	0.220064	768.4	42.0	0	0.008	0.965
SFTC072018_34	S FORK TX CRE	1242158.954489	2378343.91513	20-07-2018 14:44:03	0.000000	0.000913	0.205523	769.7	42.1	-0.722	0.004	0.9
SFTC072018_35	S FORK TX CRE	1242201.199521	2378214.842004	20-07-2018 14:47:47	0.000000	0.000686	0.221909	770.3	42.1	-1.001	0.003	0.971
SFTC072018_36	S FORK TX CRE	1242174.786696	2378000.590374	20-07-2018 14:52:01	0.000000	0.000914	0.211841	770.5	42.2	-0.524	0.004	0.927
SFTC072018_37	S FORK TX CRE	1242391.78336	2378022.054178	20-07-2018 14:56:54	0.000000	0.003201	0.325591	771.4	42.4	-0.001	0.014	1.424
SFTC072018_38	S FORK TX CRE	1242567.421831	2378150.086631	20-07-2018 15:00:13	0.000000	0.001600	0.419943	771.5	42.5	-2.285	0.007	1.837
SFTC072018_39	S FORK TX CRE	1242592.350736	2377932.738212	20-07-2018 15:04:50	0.000000	0.000000	0.228869	771.1	42.6	-0.003	-0.001	1.002
SFTC072018_40	S FORK TX CRE	1242558.478555	2377804.635342	20-07-2018 15:09:14	0.000000	0.002740	0.646969	771.2	42.7	0	0.012	2.833
SFTC072018_41	S FORK TX CRE	1242597.512137	2377704.571417	20-07-2018 15:12:05	0.000000	0.001371	0.122958	771.8	42.7	0	0.006	0.538
SFTC072018_42	S FORK TX CRE	1242563.998931	2377661.741172	20-07-2018 15:14:24	3.066737	0.000686	0.916727	772.4	42.7	13.408	0.003	4.008
SFTC072018_43	S FORK TX CRE	1242550.138222	2377591.893857	20-07-2018 15:16:42	55.855080	0.003891	2.751174	773.0	42.7	244.013	0.017	12.019
SFTC072018_44	S FORK TX CRE	1242512.150307	2377625.162904	20-07-2018 15:18:52	25.709470	0.003661	2.101571	773.0	42.8	112.352	0.016	9.184
SFTC072018_45	S FORK TX CRE	1242437.669707	2377722.531281	20-07-2018 15:21:43	25.311980	0.002514	0.816744	772.7	43.1	110.763	0.011	3.574
SFTC072018_46	S FORK TX CRE	1242434.130111	2377813.351755	20-07-2018 15:24:33	0.000000	0.003426	0.200329	773.1	43.4	-2.892	0.015	0.877
SFTC072018_47	S FORK TX CRE	1242387.688869	2377626.72944	20-07-2018 15:28:17	0.000000	0.003648	0.332186	773.1	44.0	-0.142	0.016	1.457
SFTC072018_48	S FORK TX CRE	1242188.536115	2377671.330002	20-07-2018 15:34:54	0.000000	0.000910	0.250867	773.9	45.1	-0.407	0.004	1.103
SFTC072018_49	S FORK TX CRE	1242186.264642	2377593.162828	20-07-2018 15:37:01	0.000000	0.002271	0.391052	773.2	45.3	-0.642	0.01	1.722

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC072018_50	S FORK TX CRE	1242173.24409	2377370.100292	20-07-2018 15:39:49	0.000000	0.001590	0.111973	773.8	45.5	-0.633	0.007	0.493
SFTC072018_51	S FORK TX CRE	1242339.003015	2377355.806224	20-07-2018 15:42:06	0.000000	0.001591	0.406568	774.5	45.6	0	0.007	1.789
SFTC072018_52	S FORK TX CRE	1242346.717344	2377195.616627	20-07-2018 15:44:42	0.000000	0.001591	0.319137	774.9	45.7	0	0.007	1.404
SFTC072018_53	S FORK TX CRE	1242433.542241	2377168.093668	20-07-2018 15:47:27	1.670762	0.001591	1.454901	775.1	45.9	7.353	0.007	6.403
SFTC072018_54	S FORK TX CRE	1242537.414817	2377139.060284	20-07-2018 15:50:03	0.000000	0.003633	0.350338	775.0	46.1	-0.001	0.016	1.543
SFTC072018_55	S FORK TX CRE	1242573.212216	2377285.697042	20-07-2018 15:52:50	0.000000	0.002947	1.285014	774.2	46.3	-0.002	0.013	5.669
SFTC072018_56	S FORK TX CRE	1242583.324916	2377390.897517	20-07-2018 15:55:22	14.383520	0.002717	1.561693	773.5	46.4	63.532	0.012	6.898
SFTC072018_57	S FORK TX CRE	1242771.872103	2377186.530444	20-07-2018 15:59:11	0.000000	0.000000	0.527870	773.1	46.7	-0.639	0	2.335
SFTC072018_58	S FORK TX CRE	1242830.106688	2377203.721734	20-07-2018 16:01:09	0.000000	0.001130	0.599947	773.0	46.8	-0.778	0.005	2.655
SFTC072018_59	S FORK TX CRE	1242948.842555	2377256.816067	20-07-2018 16:03:54	0.000000	0.003160	0.506109	772.7	47.0	-0.002	0.014	2.242
SFTC072018_60	S FORK TX CRE	1243009.757049	2377256.230825	20-07-2018 16:05:37	0.000000	0.003155	0.462675	771.9	47.2	-0.91	0.014	2.053
SFTC072018_61	S FORK TX CRE	1243018.857282	2377183.231487	20-07-2018 16:07:30	0.000000	0.000225	0.020971	772.6	47.3	-1.57	0.001	0.093
SFTC072018_62	S FORK TX CRE	1242902.859272	2377156.522184	20-07-2018 16:09:53	25.077700	0.000451	0.478972	773.1	47.5	111.207	0.002	2.124
PineRiver072418_193	S FORK TX CRE	1242362.674692	2378798.937247	25-07-2018 09:17:41	0.000000	0.000000	0.197137	770.5	28.8	0	-0.009	0.826
PineRiver072418_194	S FORK TX CRE	1242572.373229	2378818.506612	25-07-2018 09:22:21	0.000000	0.001191	0.000000	770.5	29.3	0	0.005	-2.511
PineRiver072418_195	S FORK TX CRE	1242705.874391	2378860.506242	25-07-2018 09:27:23	0.000000	0.001189	0.495340	770.0	29.7	0	0.005	2.083
PineRiver072418_196	S FORK TX CRE	1242810.945382	2378799.681442	25-07-2018 09:30:53	0.000000	0.001423	0.266134	768.8	30.0	0	0.006	1.122
PineRiver072418_197	S FORK TX CRE	1242729.034821	2379228.377675	25-07-2018 09:38:31	0.000000	0.001183	0.000000	768.6	30.6	0	0.005	-3.539
PineRiver072418_198	S FORK TX CRE	1242723.173661	2379318.887473	25-07-2018 09:42:01	0.000000	0.001887	1.005759	766.6	30.9	0	0.008	4.265
PineRiver072418_199	S FORK TX CRE	1242653.945143	2379374.151679	25-07-2018 09:46:38	0.000000	0.000942	0.380977	766.2	31.2	0	0.004	1.618
PineRiver072418_200	S FORK TX CRE	1242688.113755	2379533.970218	25-07-2018 09:51:03	0.000000	0.001648	0.697060	766.8	31.5	0	0.007	2.961
PineRiver072418_201	S FORK TX CRE	1242582.302585	2379591.339818	25-07-2018 09:55:16	0.000000	0.001644	0.217701	765.7	31.8	0	0.007	0.927
PineRiver072418_202	S FORK TX CRE	1242556.972697	2379734.652774	25-07-2018 10:00:40	0.000000	0.000705	0.242235	766.8	32.1	-0.186	0.003	1.031
PineRiver072418_203	S FORK TX CRE	1242432.422925	2379996.022928	25-07-2018 10:08:43	0.000000	0.005389	0.348202	766.5	32.8	0	0.023	1.486
PineRiver072418_204	S FORK TX CRE	1242156.341271	2379842.183714	25-07-2018 10:15:44	0.000000	0.000234	0.571073	767.6	33.6	0	0.001	2.44
PineRiver072418_205	S FORK TX CRE	1241996.985358	2379868.731363	25-07-2018 10:21:20	0.000000	0.000469	0.000000	771.5	34.3	0	0.002	-0.247

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver072418_206	S FORK TX CRE	1241929.487885	2380167.944296	25-07-2018 10:28:11	0.000000	0.001171	0.568666	772.4	35.3	0	0.005	2.428
PineRiver072418_207	S FORK TX CRE	1241934.029166	2380314.81587	25-07-2018 10:32:18	0.000000	0.000700	0.056478	770.9	35.8	0	0.003	0.242
PineRiver072418_208	S FORK TX CRE	1241952.129197	2380509.058406	25-07-2018 10:37:53	0.000000	0.002560	0.518556	770.3	36.4	0	0.011	2.228
PineRiver072418_209	S FORK TX CRE	1241950.101462	2380738.339534	25-07-2018 10:47:09	0.000000	0.000927	0.258318	768.0	36.9	-0.379	0.004	1.115
PineRiver072418_210	S FORK TX CRE	1241907.539666	2380802.045529	25-07-2018 10:48:49	0.000000	0.003008	0.531242	768.0	37.3	0	0.013	2.296
PineRiver072418_211	S FORK TX CRE	1241763.756161	2380955.982384	25-07-2018 10:56:56	0.000000	0.000000	0.696751	768.8	37.9	0	-0.005	3.014
PineRiver072418_212	S FORK TX CRE	1241633.306406	2380892.068777	25-07-2018 10:59:16	0.000000	0.003689	0.710873	768.8	38.7	-0.929	0.016	3.083
PineRiver072418_213	S FORK TX CRE	1241436.713156	2380976.996115	25-07-2018 11:05:13	0.000000	0.008071	1.164232	770.8	39.5	0	0.035	5.049
PineRiver072418_214	S FORK TX CRE	1241142.678809	2380882.473587	25-07-2018 11:11:50	0.000000	0.001846	0.374338	773.2	40.2	0	0.008	1.622
PineRiver072418_215	S FORK TX CRE	1241165.741424	2380775.954436	25-07-2018 11:15:46	0.000000	0.000000	0.162612	776.8	40.5	0	-0.007	0.702
PineRiver072418_216	S FORK TX CRE	1241167.355498	2380603.504327	25-07-2018 11:20:11	0.000000	0.006003	0.325987	775.2	40.9	0	0.026	1.412
PineRiver072418_217	S FORK TX CRE	1241133.475797	2380511.910878	25-07-2018 11:24:19	0.000000	0.001616	0.393357	776.1	41.3	-0.025	0.007	1.704
PineRiver072418_218	S FORK TX CRE	1241320.471745	2380374.374863	25-07-2018 11:29:26	0.000000	0.004382	0.166511	776.6	41.8	0	0.019	0.722
PineRiver072418_219	S FORK TX CRE	1241333.12626	2380532.218733	25-07-2018 11:33:33	0.000000	0.002991	0.826166	775.7	42.2	0	0.013	3.591
PineRiver072418_220	S FORK TX CRE	1241323.636123	2380680.162363	25-07-2018 11:38:05	0.000000	0.000000	0.166345	775.4	42.5	-0.003	-0.001	0.724
PineRiver072418_221	S FORK TX CRE	1241497.249645	2380722.669926	25-07-2018 11:43:57	0.000000	0.003895	0.618876	774.5	43.0	0	0.017	2.701
PineRiver072418_222	S FORK TX CRE	1241519.768423	2380646.52063	25-07-2018 11:47:55	0.000000	0.004794	0.543986	772.6	43.4	0	0.021	2.383
PineRiver072418_223	S FORK TX CRE	1241741.809969	2380562.265467	25-07-2018 12:09:11	0.000000	0.000000	0.000000	771.0	43.9	0	-0.013	-0.492
PineRiver072418_224	S FORK TX CRE	1241735.664842	2380383.907958	25-07-2018 12:12:12	0.000000	0.000000	0.000000	771.0	44.4	0	-0.012	-0.227
PineRiver072418_225	S FORK TX CRE	1241639.928242	2380310.090427	25-07-2018 12:17:48	0.000000	0.003411	0.319962	771.6	44.2	0	0.015	1.407
PineRiver072418_226	S FORK TX CRE	1241568.607995	2380278.164198	25-07-2018 12:21:28	0.000000	0.002734	0.321700	772.8	44.1	0	0.012	1.412
PineRiver072418_227	S FORK TX CRE	1241520.481084	2380191.177568	25-07-2018 12:25:05	0.000000	0.000228	0.194264	773.4	44.1	0	0.001	0.852
PineRiver072418_228	S FORK TX CRE	1241319.343134	2380112.349479	25-07-2018 12:29:19	0.000000	0.000000	0.327032	773.8	44.2	0	-0.003	1.434
PineRiver072418_229	S FORK TX CRE	1241373.252374	2379994.326062	25-07-2018 12:32:37	0.000000	0.008223	1.156064	775.3	44.3	0	0.036	5.061
PineRiver072418_230	S FORK TX CRE	1241526.768045	2379778.119555	25-07-2018 12:36:58	0.000000	0.000000	0.545837	775.4	44.4	0	-0.008	2.39
PineRiver072418_231	S FORK TX CRE	1241670.463017	2379734.281411	25-07-2018 12:40:56	0.000000	0.000000	0.000000	775.7	44.7	0	0	-0.769

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PineRiver072418_232	S FORK TX CRE	1241543.234594	2379955.54245	25-07-2018 12:45:08	0.000000	0.000000	0.000000	774.5	44.9	0	-0.008	-0.395
PineRiver072418_233	S FORK TX CRE	1241627.606773	2380108.853628	25-07-2018 12:50:52	0.000000	0.007510	0.527063	774.6	45.2	0	0.033	2.316
PineRiver072418_234	S FORK TX CRE	1241813.868918	2380043.553257	25-07-2018 12:56:30	0.000000	0.002723	0.383466	772.8	45.4	0	0.012	1.69
PineRiver072418_235	S FORK TX CRE	1241992.801141	2379761.095949	25-07-2018 13:10:33	0.000000	0.006342	0.654123	771.9	45.6	0	0.028	2.888
PineRiver072418_236	S FORK TX CRE	1241973.766014	2379501.086155	25-07-2018 13:14:51	0.000000	0.013144	1.049487	771.6	45.3	0	0.058	4.631
PineRiver072418_237	S FORK TX CRE	1241984.432981	2379184.709445	25-07-2018 13:18:54	0.000000	0.006128	0.401510	772.3	45.1	0	0.027	1.769
PineRiver072418_238	S FORK TX CRE	1242021.488456	2378967.245226	25-07-2018 13:22:04	0.000000	0.016328	0.566489	771.4	45.0	0	0.072	2.498
PineRiver072418_239	S FORK TX CRE	1242205.010969	2378999.186485	25-07-2018 13:25:12	0.000000	0.006799	0.464617	770.7	44.9	0	0.03	2.05
PineRiver072418_240	S FORK TX CRE	1242193.004813	2379141.928482	25-07-2018 13:28:07	0.000000	0.007469	0.343099	769.6	44.9	0	0.033	1.516
PineRiver072418_241	S FORK TX CRE	1242223.64726	2379335.957763	25-07-2018 13:31:34	0.000000	0.006804	0.492813	771.2	44.9	0	0.03	2.173
PineRiver072418_242	S FORK TX CRE	1242143.577972	2379625.577687	25-07-2018 13:36:57	0.000000	0.010417	0.286011	770.3	45.0	0	0.046	1.263
PineRiver072418_243	S FORK TX CRE	1242128.422803	2379732.064774	25-07-2018 13:40:58	0.000000	0.003619	0.224849	769.7	45.1	0	0.016	0.994
PineRiver072618_244	S FORK TX CRE	1242598.161457	2378940.116586	26-07-2018 11:01:20	0.000000	0.000000	0.142389	767.4	29.8	-2.95	-0.001	0.601
PineRiver072618_245	S FORK TX CRE	1242620.927244	2379173.731154	26-07-2018 11:06:41	0.000000	0.001183	0.222850	768.8	30.8	-0.416	0.005	0.942
PineRiver072618_246	S FORK TX CRE	1242325.253428	2379711.722418	26-07-2018 11:18:14	0.000000	0.004441	0.402269	766.1	33.4	-0.82	0.019	1.721
PineRiver072618_247	S FORK TX CRE	1242338.141373	2379602.622022	26-07-2018 11:21:25	0.000000	0.003972	0.457690	767.0	33.9	0	0.017	1.959
PineRiver072618_248	S FORK TX CRE	1242371.196382	2379396.831864	26-07-2018 11:27:05	0.000000	0.003730	0.071801	767.8	34.9	-1.023	0.016	0.308
PineRiver072618_249	S FORK TX CRE	1242417.994121	2379165.824508	26-07-2018 11:31:42	0.000000	0.005575	0.000000	767.8	36.0	0	0.024	-0.069
PineRiver072618_250	S FORK TX CRE	1242371.398989	2378976.800197	26-07-2018 11:35:06	0.000000	0.002320	0.136197	768.9	36.8	0	0.01	0.587
VosburgPike080618_01	SEC12T35NR8W	1245939.923568	2359349.308597	06-08-2018 11:23:46	0.000000	0.000000	0.155700	756.4	28.1	-0.426	-0.009	0.663
VosburgPike080618_02	SEC12T35NR8W	1245936.436909	2359263.684502	06-08-2018 11:27:11	0.000000	0.000000	0.881082	756.4	29.4	-0.246	0	3.768
VosburgPike080618_03	SEC12T35NR8W	1245896.129844	2359305.024453	06-08-2018 11:30:08	0.519421	0.001165	0.776569	756.2	30.5	2.23	0.005	3.334
VosburgPike080618_04	SEC12T35NR8W	1245866.738324	2359314.728982	06-08-2018 11:32:29	53.340150	0.001626	2.717391	756.2	31.4	229.681	0.007	11.701
VosburgPike080618_05	SEC12T35NR8W	1245854.58854	2359339.321119	06-08-2018 11:36:22	50.313790	0.000695	4.187585	756.9	32.5	217.231	0.003	18.08
VosburgPike080618_06	SEC12T35NR8W	1245820.360662	2359365.508971	06-08-2018 11:38:34	64.832210	0.000923	3.959786	756.9	33.6	280.922	0.004	17.158
VosburgPike080618_07	SEC12T35NR8W	1245709.522977	2359361.101923	06-08-2018 11:42:28	0.000000	0.001838	0.168638	757.2	35.1	-0.221	0.008	0.734

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VosburgPike080618_08	SEC12T35NR8W	1245735.076635	2359552.862826	06-08-2018 11:46:19	0.000000	0.000000	0.227807	757.5	36.3	-0.537	0	0.995
VosburgPike080618_09	SEC12T35NR8W	1245906.683588	2359557.267513	06-08-2018 11:49:12	0.000000	0.000228	0.103461	757.6	37.1	-0.001	0.001	0.453
VosburgPike080618_10	SEC12T35NR8W	1246131.886456	2359542.817188	06-08-2018 11:54:31	0.000000	0.004092	0.173216	757.2	38.4	0	0.018	0.762
VosburgPike080618_11	SEC12T35NR8W	1246327.224265	2359556.54903	06-08-2018 11:58:09	0.000000	0.001583	0.206518	755.4	39.2	-0.001	0.007	0.913
VosburgPike080618_12	SEC12T35NR8W	1246346.297233	2359413.127143	06-08-2018 12:00:40	0.000000	0.000000	0.149297	754.6	39.8	-0.001	-0.002	0.662
VosburgPike080618_13	SEC12T35NR8W	1246114.372094	2359390.390327	06-08-2018 12:03:57	0.000000	0.000000	0.103823	755.0	40.4	-0.691	-0.001	0.461
VosburgPike080618_14	SEC12T35NR8W	1246126.909127	2359155.272657	06-08-2018 12:07:18	0.000000	0.003602	0.241349	756.2	41.0	-0.258	0.016	1.072
VosburgPike080618_15	SEC12T35NR8W	1246114.445235	2358946.395842	06-08-2018 12:10:54	0.000000	0.001571	0.080789	755.2	41.6	0	0.007	0.36
VosburgPike080618_16	SEC12T35NR8W	1246120.085842	2358738.380721	06-08-2018 12:13:43	0.000000	0.005368	0.180512	753.7	42.0	-0.001	0.024	0.807
VosburgPike080618_17	SEC12T35NR8W	1245923.575919	2358747.350937	06-08-2018 12:16:22	0.000000	0.002234	0.113487	753.7	42.4	0	0.01	0.508
VosburgPike080618_18	SEC12T35NR8W	1245713.26981	2358773.167304	06-08-2018 12:19:22	0.000000	0.001117	0.316673	754.4	42.8	-0.001	0.005	1.418
VosburgPike080618_19	SEC12T35NR8W	1245697.90376	2358994.583276	06-08-2018 12:22:53	0.000000	0.001560	0.137018	753.8	43.3	0	0.007	0.615
VosburgPike080618_20	SEC12T35NR8W	1245908.512291	2358981.509862	06-08-2018 12:26:50	0.000000	0.004906	0.585111	755.4	43.7	0	0.022	2.624
VosburgPike080618_21	SEC12T35NR8W	1245952.558508	2359024.443545	06-08-2018 12:28:48	0.000000	0.000668	0.468107	754.9	43.9	0	0.003	2.102
VosburgPike080618_22	SEC12T35NR8W	1245919.305505	2359157.458163	06-08-2018 12:31:42	1.224989	0.001336	0.303019	755.2	44.1	5.502	0.006	1.361
VosburgPike080618_23	SEC12T35NR8W	1245743.172956	2359138.018741	06-08-2018 12:34:23	0.000000	0.003782	0.456272	755.3	44.4	-0.001	0.017	2.051
VosburgPike080618_24	SEC12T35NR8W	1245776.229125	2360023.131539	06-08-2018 12:44:23	0.000000	0.002886	0.174492	756.1	45.4	-1.553	0.013	0.786
VosburgPike080618_25	SEC12T35NR8W	1245729.611453	2360110.965982	06-08-2018 12:47:51	0.000000	0.000000	0.115359	757.5	45.6	-0.991	-0.003	0.519
VosburgPike080618_26	SEC12T35NR8W	1245910.86953	2360179.105904	06-08-2018 12:51:18	0.000000	0.001999	0.143244	757.1	45.7	-0.269	0.009	0.645
VosburgPike080618_27	SEC12T35NR8W	1245915.703018	2360275.073705	06-08-2018 12:55:37	0.360187	0.001110	0.599424	756.8	45.8	1.623	0.005	2.701
VosburgPike080618_28	SEC12T35NR8W	1245971.826071	2360297.966604	06-08-2018 12:58:01	0.000000	0.000222	0.173769	756.8	45.8	-1.289	0.001	0.783
VosburgPike080618_29	SEC12T35NR8W	1246088.42597	2360210.814521	06-08-2018 13:02:22	0.000000	0.008207	0.179894	756.9	46.0	-0.057	0.037	0.811
VosburgPike080618_30	SEC12T35NR8W	1246104.84304	2360314.362481	06-08-2018 13:06:51	33.743840	0.002657	4.806727	755.7	46.1	152.414	0.012	21.711
VosburgPike080618_31	SEC12T35NR8W	1246129.506195	2360495.877618	06-08-2018 13:13:57	0.000000	0.003769	0.143881	757.2	46.3	-1.111	0.017	0.649
VosburgPike080618_32	SEC12T35NR8W	1245769.824384	2360399.49271	06-08-2018 13:21:06	0.000000	0.002446	0.087162	759.2	46.2	0	0.011	0.392
VosburgPike080618_33	SEC12T35NR8W	1245763.014228	2360513.866694	06-08-2018 13:25:36	0.000000	0.001110	0.063282	757.9	46.1	-0.961	0.005	0.285

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VosburgPike080618_34	SEC12T35NR8W	1245891.290339	2360553.023269	06-08-2018 13:29:43	11.580940	0.004671	4.716234	759.0	46.0	52.065	0.021	21.203
VosburgPike080618_35	SEC12T35NR8W	1245760.909924	2360729.141947	06-08-2018 13:34:18	0.000000	0.001558	0.096792	759.5	46.1	-0.385	0.007	0.435
VosburgPike080618_36	SEC12T35NR8W	1245872.238854	2360753.297311	06-08-2018 13:39:02	0.000000	0.004239	0.115132	761.6	46.1	0	0.019	0.516
VosburgPike080618_37	SEC12T35NR8W	1246140.944288	2360747.760486	06-08-2018 13:44:32	0.000000	0.000000	0.119800	762.2	46.4	-0.625	0	0.537
VosburgPike080618_38	SEC12T35NR8W	1246147.681178	2360975.944042	06-08-2018 13:49:15	0.000000	0.001998	0.036623	758.8	46.6	-0.811	0.009	0.165
VosburgPike080618_39	SEC12T35NR8W	1246217.625589	2361228.578412	06-08-2018 13:54:55	0.000000	0.002439	0.113526	758.5	46.8	-0.312	0.011	0.512
VosburgPike080618_40	SEC12T35NR8W	1246018.364651	2361058.601603	06-08-2018 13:59:38	1.938242	0.003976	1.063107	755.6	46.8	8.775	0.018	4.813
VosburgPike080618_41	SEC12T35NR8W	1246022.127586	2361237.310822	06-08-2018 14:02:35	0.000000	0.000000	0.100148	757.7	46.7	-0.283	-0.007	0.452
VosburgPike080618_42	SEC12T35NR8W	1245828.588459	2361298.770805	06-08-2018 14:06:37	0.000000	0.002658	0.070439	757.5	46.7	-0.79	0.012	0.318
VosburgPike080618_43	SEC12T35NR8W	1245868.76396	2361025.96797	06-08-2018 14:11:26	2.129466	0.002659	1.135080	757.7	46.7	9.611	0.012	5.123
VosburgPike080618_44	SEC12T35NR8W	1245826.696138	2361007.557412	06-08-2018 14:19:37	268.001000	0.003776	3.421997	759.6	46.7	1206.554	0.017	15.406
VosburgPike080618_45	SEC12T35NR8W	1245775.17575	2361012.387139	06-08-2018 14:22:28	77.062550	0.001779	1.499587	760.3	46.7	346.62	0.008	6.745
VosburgPike080618_46	SEC12T35NR8W	1245703.851052	2361047.494471	06-08-2018 14:25:50	1955.630000	0.009339	12.927940	760.4	46.7	8795.082	0.042	58.141
VosburgPike080618_47	SEC12T35NR8W	1245664.69297	2361040.755552	06-08-2018 14:28:40	60.386080	0.001781	1.975229	761.6	46.8	271.232	0.008	8.872
VosburgPike080618_48	SEC12T35NR8W	1245645.060767	2361040.339668	06-08-2018 14:31:04	178.170900	0.001781	1.143015	761.6	46.8	800.278	0.008	5.134
VosburgPike080618_49	SEC12T35NR8W	1245602.791478	2361045.381641	06-08-2018 14:33:01	0.000000	0.001559	1.398968	761.8	46.8	-0.604	0.007	6.282
VosburgPike080618_50	SEC12T35NR8W	1245587.727281	2361338.540587	06-08-2018 14:39:40	0.000000	0.002223	0.102703	761.4	47.2	-5.81	0.01	0.462
VosburgPike080618_51	SEC12T35NR8W	1245435.338786	2361287.670464	06-08-2018 14:42:51	0.000000	0.000000	0.104133	759.1	47.3	-0.252	-0.006	0.47
VosburgPike080618_52	SEC12T35NR8W	1245215.187525	2361279.041256	06-08-2018 14:46:35	0.000000	0.000222	0.050142	760.4	47.4	-0.398	0.001	0.226
VosburgPike080618_53	SEC12T35NR8W	1245370.247795	2361016.086125	06-08-2018 14:54:03	13.301450	0.003555	3.160568	761.9	47.6	59.871	0.016	14.226
VosburgPike080618_54	SEC12T35NR8W	1245332.402221	2361015.801356	06-08-2018 14:56:31	2.346955	0.014467	2.575975	763.5	47.7	10.545	0.065	11.574
VosburgPike080618_55	SEC12T35NR8W	1245163.604132	2361066.534039	06-08-2018 14:58:53	0.000000	0.000668	0.185839	764.4	47.7	-0.32	0.003	0.834
VosburgPike080618_56	SEC12T35NR8W	1245131.326764	2360904.785388	06-08-2018 15:02:43	0.000000	0.003341	0.341249	764.6	47.9	-0.236	0.015	1.532
VosburgPike080618_57	SEC12T35NR8W	1245330.626862	2360818.405706	06-08-2018 15:07:41	0.000000	0.003999	0.046206	763.0	48.1	-0.555	0.018	0.208
VosburgPike080618_58	SEC12T35NR8W	1245489.016432	2360751.107367	06-08-2018 15:10:42	0.000000	0.000444	0.092968	762.1	48.1	-1.997	0.002	0.419
VosburgPike080618_59	SEC12T35NR8W	1245554.424176	2360381.706908	06-08-2018 15:16:11	0.000000	0.000000	0.171628	760.4	48.0	-0.078	-0.005	0.775

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike080618_60	SEC12T35NR8W	1245403.108688	2360383.738915	06-08-2018 15:19:33	0.000000	0.003536	0.219021	758.4	47.8	-0.624	0.016	0.991
VosburgPike080618_61	SEC12T35NR8W	1245343.769022	2360227.752576	06-08-2018 15:24:39	0.000000	0.005537	0.734708	759.6	47.6	-1.183	0.025	3.317
VosburgPike080618_62	SEC12T35NR8W	1245443.674309	2360172.500425	06-08-2018 15:28:06	0.000000	0.003549	0.179658	760.4	47.5	-0.894	0.016	0.81
VosburgPike080618_63	SEC12T35NR8W	1245380.840894	2359961.072845	06-08-2018 15:32:50	0.000000	0.000000	0.312121	759.2	47.4	-0.463	-0.004	1.409
VosburgPike080618_64	SEC12T35NR8W	1245505.119324	2359939.628078	06-08-2018 15:36:34	0.000000	0.002216	0.062050	759.5	47.4	-0.768	0.01	0.28
VosburgPike081018_100	SEC12T35NR8W	1245736.142545	2362257.594529	10-08-2018 11:36:52	1.690739	0.001379	0.225187	765.9	38.6	7.358	0.006	0.98
VosburgPike081018_101	SEC12T35NR8W	1245720.774103	2362205.851179	10-08-2018 11:40:46	0.000000	0.000230	0.073981	766.3	38.8	-2.095	0.001	0.322
VosburgPike081018_102	SEC12T35NR8W	1245746.898812	2362198.207183	10-08-2018 11:43:09	0.000000	0.000000	0.025919	765.5	39.0	0	-0.009	0.113
VosburgPike081018_103	SEC12T35NR8W	1245782.746096	2362178.193229	10-08-2018 11:45:29	0.000000	0.001145	0.116597	765.0	39.2	0	0.005	0.509
VosburgPike081018_104	SEC12T35NR8W	1245773.494574	2362148.959231	10-08-2018 11:47:44	0.000000	0.000458	0.247400	765.5	39.4	-0.001	0.002	1.08
VosburgPike081018_105	SEC12T35NR8W	1245771.986991	2362133.898921	10-08-2018 11:50:42	28227.750000	0.017167	52.410580	765.4	39.6	123320.1	0.075	228.969
VosburgPike081018_106	SEC12T35NR8W	1245777.945511	2362129.820804	10-08-2018 11:52:52	670.720100	0.003430	3.101570	765.4	39.9	2933.023	0.015	13.563
VosburgPike081018_107	SEC12T35NR8W	1245782.539184	2362120.911697	10-08-2018 11:55:28	105.441700	0.000228	2.484165	765.4	40.3	461.68	0.001	10.877
VosburgPike081018_108	SEC12T35NR8W	1245788.823126	2362093.243549	10-08-2018 11:58:09	0.000000	0.000456	0.187421	765.1	40.7	-1.621	0.002	0.822
VosburgPike081018_109	SEC12T35NR8W	1245773.352987	2362082.725042	10-08-2018 12:00:54	1.792823	0.001367	1.971172	765.3	41.1	7.871	0.006	8.654
VosburgPike081018_110	SEC12T35NR8W	1245784.055594	2362015.932958	10-08-2018 12:04:18	0.000000	0.000454	0.442824	764.6	41.6	0	0.002	1.949
VosburgPike081018_111	SEC12T35NR8W	1245762.612959	2362016.655654	10-08-2018 12:06:21	26.896360	0.001589	3.877305	764.6	41.8	118.454	0.007	17.076
VosburgPike081018_112	SEC12T35NR8W	1245737.313395	2362027.065555	10-08-2018 12:09:23	3.593982	0.000227	1.998242	763.7	42.2	15.867	0.001	8.822
VosburgPike081018_113	SEC12T35NR8W	1245703.968076	2362052.474302	10-08-2018 12:12:22	31.366740	0.000226	0.425936	763.8	42.5	138.594	0.001	1.882
VosburgPike081018_114	SEC12T35NR8W	1245680.597555	2362024.589103	10-08-2018 12:15:02	0.692835	0.000226	2.577266	764.1	42.8	3.063	0.001	11.394
VosburgPike081018_115	SEC12T35NR8W	1245606.471953	2362009.177195	10-08-2018 12:20:04	22.118680	0.017843	123.635100	763.7	43.1	97.93	0.079	547.392
VosburgPike081018_116	SEC12T35NR8W	1245668.567483	2362045.974335	10-08-2018 12:23:00	4.993908	0.002932	2.401442	763.3	43.4	22.143	0.013	10.648
VosburgPike081018_117	SEC12T35NR8W	1245631.31615	2362083.494576	10-08-2018 12:25:34	4.177126	0.007224	4.543957	764.5	43.6	18.504	0.032	20.129
VosburgPike081018_118	SEC12T35NR8W	1245613.11279	2362091.250084	10-08-2018 12:27:51	2.491410	0.000902	0.532247	764.5	43.9	11.047	0.004	2.36
VosburgPike081018_119	SEC12T35NR8W	1245612.810948	2362110.721529	10-08-2018 12:31:23	2888.679000	0.007215	12.583050	764.8	44.1	12811.56	0.032	55.807
VosburgPike081018_120	SEC12T35NR8W	1245629.868411	2362165.177274	10-08-2018 12:34:45	0.000000	0.001577	0.108120	765.0	44.5	-0.47	0.007	0.48

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike081018_121	SEC12T35NR8W	1245663.291369	2362141.202886	10-08-2018 12:37:41	15602.630000	0.004735	16.056830	766.0	44.6	69199.57	0.021	71.214
VosburgPike081018_122	SEC12T35NR8W	1245658.330042	2362139.494304	10-08-2018 12:40:32	15115.130000	0.008787	28.061910	765.7	44.7	67084.84	0.039	124.546
VosburgPike081018_123	SEC12T35NR8W	1245675.41915	2362130.710624	10-08-2018 12:43:00	1211.913000	0.000000	3.882283	765.3	44.8	5383.288	0	17.245
VosburgPike081018_124	SEC12T35NR8W	1245694.462596	2362155.495483	10-08-2018 12:45:09	0.000000	0.000450	0.651737	765.3	44.8	-107.055	0.002	2.895
VosburgPike081018_125	SEC12T35NR8W	1245702.44296	2362166.992698	10-08-2018 12:47:51	0.000000	0.000000	0.054913	765.3	44.9	-2.409	-0.002	0.244
VosburgPike081018_126	SEC12T35NR8W	1245661.799546	2362214.388416	10-08-2018 12:49:44	0.000000	0.000000	0.738410	765.3	44.8	-0.003	-0.004	3.28
VosburgPike081018_127	SEC12T35NR8W	1245635.42069	2362214.556322	10-08-2018 12:51:16	0.000000	0.000225	0.484019	765.3	44.8	-0.404	0.001	2.15
VosburgPike081018_128	SEC12T35NR8W	1245612.385334	2362226.994051	10-08-2018 12:53:10	0.000000	0.000000	0.201284	766.0	44.7	-0.049	-0.005	0.893
VosburgPike081018_129	SEC12T35NR8W	1245650.032591	2362250.209882	10-08-2018 12:55:26	0.000000	0.000676	0.285449	766.0	44.6	-2.048	0.003	1.266
VosburgPike081018_130	SEC12T35NR8W	1245627.800989	2362306.563805	10-08-2018 12:57:26	0.000000	0.000000	0.506373	765.7	44.5	0	0	2.246
VosburgPike081018_131	SEC12T35NR8W	1245640.697078	2362344.739554	10-08-2018 12:59:29	0.000000	0.000225	0.111352	765.3	44.4	-1.737	0.001	0.494
VosburgPike081018_132	SEC12T35NR8W	1245593.361487	2362353.795715	10-08-2018 13:01:59	0.000000	0.000000	0.161465	765.4	44.3	-0.891	-0.001	0.716
VosburgPike081018_133	SEC12T35NR8W	1245594.8033	2362293.083563	10-08-2018 13:03:40	0.000000	0.000000	0.037247	765.7	44.1	-2.075	-0.003	0.165
VosburgPike081018_134	SEC12T35NR8W	1245556.151118	2362200.291712	10-08-2018 13:05:48	0.000000	0.000000	0.417010	766.0	44.0	0	-0.005	1.846
VosburgPike081018_135	SEC12T35NR8W	1245536.852781	2362226.021964	10-08-2018 13:07:36	0.000000	0.001582	0.165011	766.0	43.8	0	0.007	0.73
VosburgPike081018_136	SEC12T35NR8W	1245411.833791	2362225.644868	10-08-2018 13:10:23	0.000000	0.000000	0.030098	766.4	43.6	-0.304	0	0.133
VosburgPike081018_137	SEC12T35NR8W	1245392.074409	2362195.361964	10-08-2018 13:12:23	160.710200	0.002264	1.794357	766.4	43.4	709.707	0.01	7.924
VosburgPike081018_138	SEC12T35NR8W	1245431.183095	2362188.804834	10-08-2018 13:14:47	12.758760	0.000000	0.988900	766.1	43.2	56.33	0	4.366
VosburgPike081018_139	SEC12T35NR8W	1245449.828466	2362208.488149	10-08-2018 13:17:07	0.000000	0.000227	0.091750	766.0	43.1	-3.722	0.001	0.405
VosburgPike081018_140	SEC12T35NR8W	1245364.831088	2362231.783896	10-08-2018 13:19:11	0.000000	0.000907	0.272064	766.6	43.1	-1.282	0.004	1.2
VosburgPike081018_141	SEC12T35NR8W	1245278.021388	2362234.334415	10-08-2018 13:21:31	0.000000	0.000680	1.711270	766.9	43.1	0	0.003	7.545
VosburgPike081018_65	SEC12T35NR8W	1245240.671898	2362086.646427	10-08-2018 09:40:00	0.000000	0.000000	0.085881	766.5	28.2	-0.35	-0.003	0.361
VosburgPike081018_66	SEC12T35NR8W	1245264.988847	2362033.80076	10-08-2018 09:42:52	0.000000	0.000238	0.015675	766.5	28.7	-1.27	0.001	0.066
VosburgPike081018_67	SEC12T35NR8W	1245367.425051	2362018.491332	10-08-2018 09:47:14	0.000000	0.000000	0.105098	765.7	29.4	0	0	0.444
VosburgPike081018_68	SEC12T35NR8W	1245463.716103	2362047.92785	10-08-2018 09:52:39	0.000000	0.000000	0.046435	765.5	30.6	-0.001	-0.003	0.197
VosburgPike081018_69	SEC12T35NR8W	1245544.629271	2362039.11791	10-08-2018 09:55:30	0.000000	0.000235	0.450408	764.3	31.1	0	0.001	1.917

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VosburgPike081018_70	SEC12T35NR8W	1245458.765845	2361841.534407	10-08-2018 09:59:22	0.000000	0.000469	0.076878	764.2	31.8	-0.696	0.002	0.328
VosburgPike081018_71	SEC12T35NR8W	1245683.816496	2361809.390862	10-08-2018 10:03:38	0.000000	0.000701	0.104682	763.6	32.5	-0.002	0.003	0.448
VosburgPike081018_72	SEC12T35NR8W	1245874.68017	2361797.888363	10-08-2018 10:07:22	0.000000	0.000465	0.234582	761.5	33.2	-0.001	0.002	1.009
VosburgPike081018_73	SEC12T35NR8W	1245934.790582	2361880.071976	10-08-2018 10:10:51	21.890180	0.002320	2.353066	761.5	33.8	94.34	0.01	10.141
VosburgPike081018_74	SEC12T35NR8W	1245939.66416	2361827.102913	10-08-2018 10:13:09	0.000000	0.000000	0.217552	762.4	34.3	0	-0.001	0.938
VosburgPike081018_75	SEC12T35NR8W	1246003.744417	2361842.74325	10-08-2018 10:15:15	0.000000	0.001158	0.942761	761.8	34.6	-0.748	0.005	4.072
VosburgPike081018_76	SEC12T35NR8W	1246005.056881	2361898.852388	10-08-2018 10:17:23	0.000000	0.000000	0.034230	762.0	35.0	-0.673	0	0.148
VosburgPike081018_77	SEC12T35NR8W	1245960.025241	2361971.312763	10-08-2018 10:20:01	0.990363	0.000926	0.433631	763.6	35.5	4.28	0.004	1.874
VosburgPike081018_78	SEC12T35NR8W	1246035.706911	2361968.957235	10-08-2018 10:22:48	0.000000	0.001154	0.393244	762.8	36.0	0	0.005	1.704
VosburgPike081018_79	SEC12T35NR8W	1246004.081258	2362047.837653	10-08-2018 10:26:59	0.000000	0.002993	0.097385	762.7	36.7	0	0.013	0.423
VosburgPike081018_80	SEC12T35NR8W	1245885.161142	2361962.828038	10-08-2018 10:30:11	1.118609	0.001151	0.820022	763.4	37.0	4.859	0.005	3.562
VosburgPike081018_81	SEC12T35NR8W	1245968.971388	2362103.231755	10-08-2018 10:33:40	0.000000	0.000000	0.045061	763.6	37.5	0	-0.001	0.196
VosburgPike081018_82	SEC12T35NR8W	1245958.109242	2362157.15656	10-08-2018 10:38:02	0.000000	0.000000	0.039735	763.6	37.8	0	0	0.173
VosburgPike081018_83	SEC12T35NR8W	1245963.007944	2362228.435196	10-08-2018 10:43:22	0.000000	0.000000	0.030301	763.9	38.1	-1.158	-0.001	0.132
VosburgPike081018_84	SEC12T35NR8W	1245921.498791	2362226.489404	10-08-2018 10:49:16	0.000000	0.000230	0.313482	764.5	38.2	0	0.001	1.365
VosburgPike081018_85	SEC12T35NR8W	1245871.12095	2362154.763485	10-08-2018 10:52:20	0.000000	0.000689	0.039986	765.0	38.2	-0.048	0.003	0.174
VosburgPike081018_86	SEC12T35NR8W	1245855.423069	2362135.695081	10-08-2018 10:54:27	0.000000	0.000000	0.179926	764.7	38.1	-4.19	0	0.783
VosburgPike081018_87	SEC12T35NR8W	1245830.437909	2362103.037813	10-08-2018 10:57:04	44.012670	0.000000	1.562850	764.7	38.0	191.472	-0.001	6.799
VosburgPike081018_88	SEC12T35NR8W	1245824.628684	2362160.026792	10-08-2018 10:59:42	0.000000	0.000460	0.006439	765.0	38.0	-0.438	0.002	0.028
VosburgPike081018_89	SEC12T35NR8W	1245830.004654	2362249.745552	10-08-2018 11:02:51	0.000000	0.000460	0.141129	764.9	38.1	-1.732	0.002	0.614
VosburgPike081018_90	SEC12T35NR8W	1245774.672941	2362280.641464	10-08-2018 11:07:55	16.240020	0.000689	0.527905	765.3	38.3	70.663	0.003	2.297
VosburgPike081018_91	SEC12T35NR8W	1245772.393341	2362318.966507	10-08-2018 11:11:19	4.156173	0.000919	0.953002	765.3	38.4	18.09	0.004	4.148
VosburgPike081018_92	SEC12T35NR8W	1245770.620523	2362375.586067	10-08-2018 11:13:37	0.000000	0.000000	0.055118	765.0	38.4	-0.964	0	0.24
VosburgPike081018_93	SEC12T35NR8W	1245810.931783	2362348.636374	10-08-2018 11:15:36	0.000000	0.001148	0.107265	765.1	38.4	-0.257	0.005	0.467
VosburgPike081018_94	SEC12T35NR8W	1245818.59017	2362327.075388	10-08-2018 11:17:47	0.000000	0.000459	0.071438	764.9	38.3	-0.011	0.002	0.311
VosburgPike081018_95	SEC12T35NR8W	1245742.308937	2362338.472156	10-08-2018 11:20:29	0.000000	0.000230	0.159363	764.9	38.4	-0.216	0.001	0.694

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VosburgPike081018_96	SEC12T35NR8W	1245701.994868	2362333.221709	10-08-2018 11:22:50	0.000000	0.000000	0.153723	765.4	38.4	-0.202	0	0.669
VosburgPike081018_97	SEC12T35NR8W	1245690.404851	2362304.67041	10-08-2018 11:27:29	0.000000	0.000230	0.123851	765.4	38.4	-0.213	0.001	0.539
VosburgPike081018_98	SEC12T35NR8W	1245723.978095	2362283.738432	10-08-2018 11:30:11	0.000000	0.000000	0.397549	765.9	38.4	-1.101	-0.002	1.729
VosburgPike081018_99	SEC12T35NR8W	1245762.904444	2362255.823111	10-08-2018 11:33:47	0.000000	0.000919	0.211900	765.8	38.5	-1.271	0.004	0.922
VosburgPike071018_17	SEC17T35NR8W	1240906.338558	2340957.286111	10-07-2018 13:11:42	0.000000	0.000000	0.649729	766.6	38.6	0	-0.001	2.825
VosburgPike071018_18	SEC17T35NR8W	1240902.790251	2340989.354705	10-07-2018 13:14:36	0.000000	0.002524	0.822568	766.5	39.3	-0.001	0.011	3.585
VosburgPike071018_19	SEC17T35NR8W	1240854.883094	2340959.865503	10-07-2018 13:16:44	0.000000	0.001834	0.047219	767.2	39.9	0	0.008	0.206
VosburgPike071018_20	SEC17T35NR8W	1240842.50771	2340999.858526	10-07-2018 13:19:13	4.612694	0.004350	3.268813	767.5	40.4	20.148	0.019	14.278
VosburgPike071018_21	SEC17T35NR8W	1240846.029871	2341023.057608	10-07-2018 13:21:32	122.167000	0.017145	52.746220	767.6	40.9	534.4	0.075	230.73
VosburgPike071018_22	SEC17T35NR8W	1240846.569238	2341054.748078	10-07-2018 13:23:58	16.873190	0.005022	11.977670	767.7	41.4	73.917	0.022	52.471
VosburgPike071018_23	SEC17T35NR8W	1240788.041015	2340963.198614	10-07-2018 13:25:59	0.000000	0.000000	0.000000	768.3	41.8	0	-0.001	-0.131
VosburgPike071018_24	SEC17T35NR8W	1240789.884933	2340997.189565	10-07-2018 13:27:44	0.000000	0.000456	0.174364	768.0	42.0	0	0.002	0.765
VosburgPike071018_25	SEC17T35NR8W	1240801.951242	2341045.323719	10-07-2018 13:29:51	0.000000	0.002961	0.337738	768.1	42.3	-0.144	0.013	1.483
VosburgPike071018_26	SEC17T35NR8W	1240795.311189	2341096.128878	10-07-2018 13:32:02	0.000000	0.001366	0.024130	768.5	42.6	-0.192	0.006	0.106
VosburgPike071018_27	SEC17T35NR8W	1240815.319379	2341125.89744	10-07-2018 13:33:46	0.000000	0.003186	0.027310	768.8	42.8	-0.711	0.014	0.12
VosburgPike071018_28	SEC17T35NR8W	1240860.046182	2341100.138694	10-07-2018 13:38:08	0.615283	0.000909	1.416808	768.7	43.4	2.709	0.004	6.238
VosburgPike071018_29	SEC17T35NR8W	1240870.065122	2341113.867823	10-07-2018 13:40:30	0.000000	0.001134	0.157394	768.3	43.7	-0.001	0.005	0.694
VosburgPike071018_30	SEC17T35NR8W	1240883.763775	2341051.601643	10-07-2018 13:44:01	0.000000	0.000227	1.338827	768.4	44.1	-1.331	0.001	5.91
VosburgPike071018_31	SEC17T35NR8W	1240894.883782	2341095.955504	10-07-2018 13:46:27	0.000000	0.000000	0.077553	767.9	44.5	-0.2	-0.008	0.343
VosburgPike071018_32	SEC17T35NR8W	1240902.989728	2341131.940022	10-07-2018 13:49:23	0.000000	0.000226	0.022148	768.5	44.9	-0.28	0.001	0.098
FloridaRiver070518_39	Sec18	1237373.126595	2335066.604592	05-07-2018 14:05:38	0.000000	0.000465	0.075406	794.9	46.3	-0.897	0.002	0.324
FloridaRiver070518_40	Sec18	1237334.671827	2335090.157401	05-07-2018 14:08:49	0.000000	0.003209	0.222306	783.5	46.6	-0.211	0.014	0.97
FloridaRiver070518_41	Sec18	1237331.717075	2335116.387645	05-07-2018 14:10:30	0.000000	0.003436	0.086118	783.5	46.8	-0.001	0.015	0.376
FloridaRiver070518_42	Sec18	1237398.741211	2335117.451607	05-07-2018 14:13:07	0.000000	0.000000	0.050376	783.8	47.0	-0.057	0	0.22
FloridaRiver070518_43	Sec18	1237419.335178	2335127.324041	05-07-2018 14:14:55	0.000000	0.000229	0.032031	783.4	47.1	-2.287	0.001	0.14
FloridaRiver070518_44	Sec18	1237408.533024	2335071.455144	05-07-2018 14:17:29	0.000000	0.000000	0.071137	783.2	47.1	-2.096	-0.013	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
FloridaRiver070518_45	Sec18	1237499.85279	2335118.398752	05-07-2018 14:20:53	0.000000	0.000457	0.076836	783.0	47.1	-1.36	0.002	0.336
FloridaRiver070518_46	Sec18	1237487.949222	2335171.442299	05-07-2018 14:23:08	0.000000	0.000000	0.028780	782.1	47.1	-1.075	-0.001	0.126
FloridaRiver070518_47	Sec18	1237499.053188	2335244.996918	05-07-2018 14:25:49	0.000000	0.001371	0.073578	782.4	47.1	-0.834	0.006	0.322
FloridaRiver070518_48	Sec18	1237457.932276	2335298.478764	05-07-2018 14:28:58	0.000000	0.001371	0.086804	782.4	47.2	-3.234	0.006	0.38
FloridaRiver070518_49	Sec18	1237428.180436	2335308.130534	05-07-2018 14:31:13	0.000000	0.000229	0.438661	784.0	47.3	-0.836	0.001	1.917
FloridaRiver070518_50	Sec18	1237430.265199	2335260.063068	05-07-2018 14:33:10	0.000000	0.000000	0.149949	783.4	47.4	-0.213	-0.004	0.656
FloridaRiver070518_51	Sec18	1237413.685771	2335225.067771	05-07-2018 14:35:05	0.000000	0.005943	0.749744	783.4	47.4	-1.515	0.026	3.28
FloridaRiver070518_52	Sec18	1237416.40437	2335187.438259	05-07-2018 14:37:24	0.000000	0.002057	0.103286	783.4	47.5	-0.821	0.009	0.452
FloridaRiver070518_53	Sec18	1237373.406813	2335199.368366	05-07-2018 14:40:06	0.000000	0.000457	0.034942	783.2	47.6	-1.093	0.002	0.153
FloridaRiver070518_54	Sec18	1237357.25441	2335240.303353	05-07-2018 14:42:05	0.000000	0.000686	0.027193	783.9	47.7	-2.014	0.003	0.119
FloridaRiver070518_55	Sec18	1237367.954596	2335300.349523	05-07-2018 14:44:25	0.000000	0.000000	0.037941	784.3	47.8	-2.741	-0.004	0.166
FloridaRiver070518_56	Sec18	1237340.707266	2335267.063437	05-07-2018 14:46:07	0.000000	0.001143	0.112736	784.7	47.8	-1.258	0.005	0.493
FloridaRiver070518_57	Sec18	1237313.476885	2335235.660193	05-07-2018 14:48:02	0.000000	0.000000	0.072248	784.8	47.9	-0.812	-0.004	0.316
FloridaRiver070518_58	Sec18	1237302.388709	2335175.731173	05-07-2018 14:50:34	0.000000	0.000914	0.046398	784.8	48.0	-0.676	0.004	0.203
VosburgPike060818_01	VOSBURG PIKE	1244215.933731	2352797.640836	08-06-2018 10:44:59	0.000000	0.000929	0.061284	774.0	38.7	-3.321	0.004	0.264
VosburgPike060818_02	VOSBURG PIKE	1244287.902491	2352754.009562	08-06-2018 10:48:26	0.000000	0.000000	0.099684	758.8	39.4	-1.726	0	0.439
VosburgPike060818_03	VOSBURG PIKE	1244141.342916	2352555.121302	08-06-2018 10:52:05	0.000000	0.000453	0.105967	758.1	40.0	-1.945	0.002	0.468
VosburgPike060818_04	VOSBURG PIKE	1244147.760002	2352388.728525	08-06-2018 10:56:00	0.000000	0.000452	0.105547	758.4	40.7	-2.034	0.002	0.467
VosburgPike060818_05	VOSBURG PIKE	1244369.376374	2352376.230025	08-06-2018 11:00:59	0.000000	0.001802	0.127912	757.6	41.5	-0.234	0.008	0.568
VosburgPike060818_06	VOSBURG PIKE	1244381.51434	2352507.44548	08-06-2018 11:04:59	0.000000	0.002243	0.124932	756.0	42.1	0	0.01	0.557
VosburgPike060818_07	VOSBURG PIKE	1244597.70275	2352377.090105	08-06-2018 11:09:53	0.000000	0.001120	0.051524	756.5	42.7	0	0.005	0.23
VosburgPike060818_08	VOSBURG PIKE	1244578.341212	2352595.950647	08-06-2018 11:59:31	0.000000	0.000665	0.071106	756.1	46.1	0	0.003	0.321
VosburgPike060818_09	VOSBURG PIKE	1244566.091055	2352756.072798	08-06-2018 12:02:32	0.000000	0.001551	0.095024	756.3	46.2	0	0.007	0.429
VosburgPike060818_10	VOSBURG PIKE	1243760.169817	2352722.418009	08-06-2018 12:14:22	0.000000	0.001770	0.137817	756.5	46.7	-1.282	0.008	0.623
VosburgPike060818_11	VOSBURG PIKE	1243770.205637	2352943.603187	08-06-2018 12:19:17	0.000000	0.002893	0.171371	761.1	46.7	0	0.013	0.77
VosburgPike060818_12	VOSBURG PIKE	1243808.532623	2353189.538598	08-06-2018 12:24:06	0.000000	0.002229	0.040561	761.9	46.6	-4.447	0.01	0.182

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike060818_13	VOSBURG PIKE	1243716.657674	2353296.504781	08-06-2018 12:27:46	0.000000	0.002009	0.073228	763.0	46.5	-0.001	0.009	0.328
VosburgPike060818_14	VOSBURG PIKE	1243559.864353	2353392.046561	08-06-2018 12:32:49	0.000000	0.002455	0.045305	762.5	46.4	0	0.011	0.203
VosburgPike060818_15	VOSBURG PIKE	1243381.13221	2353365.03542	08-06-2018 12:36:35	0.000000	0.001564	0.058314	763.1	46.3	0	0.007	0.261
VosburgPike060818_16	VOSBURG PIKE	1243421.605879	2353170.084676	08-06-2018 12:42:42	0.000000	0.000000	0.078703	765.6	46.2	0	-0.015	0.351
VosburgPike060818_17	VOSBURG PIKE	1243629.713707	2353135.084363	08-06-2018 12:47:44	0.000000	0.002467	0.076029	766.0	46.3	0	0.011	0.339
VosburgPike060818_18	VOSBURG PIKE	1243559.531921	2352977.648855	08-06-2018 12:52:57	0.000000	0.002236	0.246682	764.1	46.4	0	0.01	1.103
VosburgPike060818_19	VOSBURG PIKE	1243580.92211	2352947.868574	08-06-2018 12:55:29	0.000000	0.000446	0.129014	762.6	46.4	-1.818	0.002	0.578
VosburgPike060818_20	VOSBURG PIKE	1243491.799718	2352955.997768	08-06-2018 12:58:31	0.000000	0.000669	0.215088	762.3	46.4	0	0.003	0.964
VosburgPike060818_21	VOSBURG PIKE	1243483.471392	2352994.020189	08-06-2018 13:01:30	0.635556	0.000670	0.483531	762.7	46.4	2.847	0.003	2.166
VosburgPike060818_22	VOSBURG PIKE	1243576.085439	2352791.171051	08-06-2018 13:06:41	0.000000	0.002901	0.218721	763.0	46.6	-0.856	0.013	0.98
VosburgPike060818_23	VOSBURG PIKE	1243545.529528	2352559.922851	08-06-2018 13:15:33	0.000000	0.001337	0.068879	762.3	46.7	0	0.006	0.309
VosburgPike060818_24	VOSBURG PIKE	1243422.986749	2352563.632561	08-06-2018 13:19:38	0.000000	0.002455	0.112015	762.6	46.5	0	0.011	0.502
VosburgPike060818_25	VOSBURG PIKE	1243409.310931	2352749.936912	08-06-2018 13:24:27	0.000000	0.001787	0.172890	763.4	46.5	0	0.008	0.774
VosburgPike060818_26	VOSBURG PIKE	1243352.331417	2352882.692962	08-06-2018 13:27:34	0.000000	0.000000	0.420459	763.7	46.4	-1.316	-0.026	1.881
VosburgPike060818_27	VOSBURG PIKE	1243349.779952	2352968.05672	08-06-2018 13:30:08	0.000000	0.000223	0.213638	763.5	46.4	-0.84	0.001	0.956
VosburgPike060818_28	VOSBURG PIKE	1243165.050591	2352968.995003	08-06-2018 13:33:14	0.000000	0.001564	0.115722	763.5	46.5	0	0.007	0.518
VosburgPike060818_29	VOSBURG PIKE	1243177.730197	2352852.567858	08-06-2018 13:35:52	0.000000	0.000000	0.237432	764.8	46.5	0	-0.007	1.061
VosburgPike060818_30	VOSBURG PIKE	1243254.061078	2352761.922427	08-06-2018 13:38:05	0.000000	0.000448	0.000000	765.6	46.5	0	0.002	-0.028
VosburgPike060818_31	VOSBURG PIKE	1243081.978334	2352566.056668	08-06-2018 13:43:15	0.000000	0.002015	0.114182	765.4	46.6	-3.517	0.009	0.51
VosburgPike071018_01	VOSBURG PIKE	1242574.999869	2349749.191523	10-07-2018 10:32:24	0.000000	0.014477	0.070251	769.0	29.9	-2.84	0.061	0.296
VosburgPike071018_02	VOSBURG PIKE	1242748.913742	2349746.985406	10-07-2018 10:36:37	0.000000	0.003781	0.037809	769.2	31.3	-0.251	0.016	0.16
VosburgPike071018_03	VOSBURG PIKE	1242954.322168	2349606.876882	10-07-2018 10:42:34	0.000000	0.010787	0.053232	768.1	33.2	0	0.046	0.227
VosburgPike071018_04	VOSBURG PIKE	1243261.338823	2349591.917811	10-07-2018 10:48:45	0.667862	0.000698	0.304863	765.9	34.9	2.872	0.003	1.311
VosburgPike071018_05	VOSBURG PIKE	1243186.10492	2349521.497927	10-07-2018 10:52:52	0.000000	0.008775	0.087061	763.8	36.2	0	0.038	0.377
VosburgPike071018_06	VOSBURG PIKE	1243256.609627	2349491.916882	10-07-2018 10:55:05	0.000000	0.001152	0.352777	763.6	36.8	0	0.005	1.531
VosburgPike071018_07	VOSBURG PIKE	1243355.97726	2349557.864558	10-07-2018 10:57:40	0.000000	0.003907	0.155572	763.0	37.4	0	0.017	0.677

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VosburgPike071018_08	VOSBURG PIKE	1243548.816356	2349591.694541	10-07-2018 11:01:42	0.000000	0.001832	0.081304	762.4	38.2	-0.768	0.008	0.355
VosburgPike071018_09	VOSBURG PIKE	1243562.126203	2349444.763434	10-07-2018 11:05:08	0.000000	0.005022	0.110711	761.1	38.7	-2.92	0.022	0.485
VosburgPike071018_10	VOSBURG PIKE	1243770.389068	2349506.924314	10-07-2018 11:10:02	0.000000	0.002277	0.109516	761.1	39.5	0	0.01	0.481
VosburgPike071018_11	VOSBURG PIKE	1243779.364415	2349359.718207	10-07-2018 11:13:51	0.000000	0.002043	0.064008	760.2	40.1	-0.002	0.009	0.282
VosburgPike071018_12	VOSBURG PIKE	1243800.261979	2349199.221903	10-07-2018 11:18:44	0.000000	0.002716	0.062915	759.9	40.9	-0.18	0.012	0.278
VosburgPike071018_13	VOSBURG PIKE	1243940.840302	2349239.583739	10-07-2018 11:21:19	0.000000	0.000677	0.059584	758.8	41.3	-1.549	0.003	0.264
VosburgPike071018_14	VOSBURG PIKE	1243949.197475	2349416.407933	10-07-2018 11:25:12	0.452612	0.001352	0.250074	758.4	41.7	2.009	0.006	1.11
VosburgPike071018_15	VOSBURG PIKE	1244111.298486	2349367.040178	10-07-2018 11:28:26	0.000000	0.001125	0.257216	758.5	42.1	-0.001	0.005	1.143
VosburgPike071018_16	VOSBURG PIKE	1244169.829292	2349134.851754	10-07-2018 11:34:26	0.000000	0.000000	0.129687	757.7	42.7	-0.001	-0.001	0.578
VosburgPike071118_33	VOSBURG PIKE	1242596.31238	2349958.264481	11-07-2018 09:57:26	0.000000	0.007126	0.259861	767.1	28.9	-2.325	0.03	1.094
VosburgPike071118_34	VOSBURG PIKE	1242565.07513	2350120.744463	11-07-2018 10:03:18	0.000000	0.012548	0.357277	767.4	30.0	-0.001	0.053	1.509
VosburgPike071118_35	VOSBURG PIKE	1242697.254892	2350137.949945	11-07-2018 10:07:25	0.000000	0.004014	0.232126	767.4	30.8	0	0.017	0.983
VosburgPike071118_36	VOSBURG PIKE	1242910.463398	2350180.215233	11-07-2018 10:12:05	0.000000	0.006113	0.546622	766.3	31.7	-1	0.026	2.325
VosburgPike071118_37	VOSBURG PIKE	1243223.002405	2350224.049446	11-07-2018 10:19:38	0.000000	0.006305	0.277646	765.1	33.3	-1.263	0.027	1.189
VosburgPike071118_38	VOSBURG PIKE	1243307.607785	2350124.95756	11-07-2018 10:25:11	0.000000	0.008112	0.289956	761.9	34.3	-0.139	0.035	1.251
VosburgPike071118_39	VOSBURG PIKE	1243572.202789	2350083.435621	11-07-2018 10:32:39	0.000000	0.008985	0.437955	761.0	35.8	-0.761	0.039	1.901
VosburgPike071118_40	VOSBURG PIKE	1243578.355154	2350157.76972	11-07-2018 10:37:31	0.000000	0.009153	0.250333	758.3	36.8	0	0.04	1.094
VosburgPike071118_41	VOSBURG PIKE	1243765.330269	2350139.646942	11-07-2018 10:42:36	0.000000	0.007981	0.159856	757.9	37.7	-0.001	0.035	0.701
VosburgPike071118_42	VOSBURG PIKE	1243965.133534	2350151.537655	11-07-2018 10:47:16	0.000000	0.008401	0.273593	756.3	38.4	-0.044	0.037	1.205
VosburgPike071118_43	VOSBURG PIKE	1243952.329612	2350073.292763	11-07-2018 10:50:32	0.000000	0.004525	0.383241	754.8	38.9	-1.794	0.02	1.694
VosburgPike071118_44	VOSBURG PIKE	1244103.097168	2350039.829945	11-07-2018 10:54:32	0.000000	0.010606	0.345047	754.6	39.6	-1.479	0.047	1.529
VosburgPike071118_45	VOSBURG PIKE	1244233.547021	2350173.41037	11-07-2018 10:59:04	0.000000	0.008773	0.400174	754.1	40.4	-0.895	0.039	1.779
VosburgPike071118_46	VOSBURG PIKE	1244305.426225	2349933.733947	11-07-2018 11:09:59	0.000000	0.000000	0.000000	753.4	41.9	0	-0.012	-0.111
VosburgPike071118_47	VOSBURG PIKE	1244324.101807	2349779.506897	11-07-2018 11:15:17	0.000000	0.010487	0.576351	752.8	42.4	-0.317	0.047	2.583
VosburgPike071118_48	VOSBURG PIKE	1244309.55352	2349642.301745	11-07-2018 11:19:56	0.000000	0.013163	0.266379	753.4	42.7	-2.444	0.059	1.194
VosburgPike071118_49	VOSBURG PIKE	1244223.412095	2349748.312013	11-07-2018 11:35:04	0.000000	0.000000	0.038940	753.8	43.7	-0.007	-0.002	0.175

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VosburgPike071118_50	VOSBURG PIKE	1244143.701826	2349708.146349	11-07-2018 11:37:29	0.000000	0.014246	0.623282	754.1	43.7	0	0.064	2.8
VosburgPike071118_51	VOSBURG PIKE	1244110.618467	2349654.31775	11-07-2018 11:39:34	0.000000	0.008023	0.169155	755.0	43.7	0	0.036	0.759
VosburgPike071118_52	VOSBURG PIKE	1244127.516395	2349578.529411	11-07-2018 11:42:10	0.000000	0.004013	0.723265	755.3	43.7	0	0.018	3.244
VosburgPike071118_53	VOSBURG PIKE	1244095.800285	2349574.183308	11-07-2018 11:45:02	1.519871	0.010028	1.794428	755.2	43.8	6.82	0.045	8.052
VosburgPike071118_54	VOSBURG PIKE	1244098.753821	2349507.639831	11-07-2018 11:47:48	0.000000	0.012036	0.847853	755.3	43.8	0	0.054	3.804
VosburgPike071118_55	VOSBURG PIKE	1244001.607489	2349594.93511	11-07-2018 11:51:13	0.000000	0.004233	0.256425	755.2	43.9	0	0.019	1.151
VosburgPike071118_56	VOSBURG PIKE	1243909.027632	2349797.526814	11-07-2018 11:55:45	0.000000	0.009807	0.343012	756.0	44.1	-0.002	0.044	1.539
VosburgPike071118_57	VOSBURG PIKE	1243768.616295	2349759.303314	11-07-2018 11:59:30	0.000000	0.004679	0.196741	756.0	44.2	0	0.021	0.883
VosburgPike071118_58	VOSBURG PIKE	1243783.264328	2349924.05776	11-07-2018 12:02:31	0.000000	0.012263	0.190405	756.5	44.2	0	0.055	0.854
VosburgPike071118_59	VOSBURG PIKE	1243601.841291	2349981.730197	11-07-2018 12:07:46	0.000000	0.015826	0.351288	756.3	44.2	0	0.071	1.576
VosburgPike071118_60	VOSBURG PIKE	1243550.654319	2349913.205312	11-07-2018 12:10:07	0.000000	0.014299	0.168242	758.1	44.2	0	0.064	0.753
VosburgPike071118_61	VOSBURG PIKE	1243557.481881	2349802.049885	11-07-2018 12:12:17	0.000000	0.012751	0.208717	758.8	44.1	0	0.057	0.933
VosburgPike071118_62	VOSBURG PIKE	1243459.741792	2349784.304627	11-07-2018 12:15:55	0.805511	0.019467	1.643242	759.2	44.2	3.6	0.087	7.344
VosburgPike071118_63	VOSBURG PIKE	1243369.376498	2349808.557829	11-07-2018 12:19:49	0.000000	0.013433	0.505541	759.9	44.3	0	0.06	2.258
VosburgPike071118_64	VOSBURG PIKE	1243336.324586	2349808.980456	11-07-2018 12:22:23	5.622203	0.003364	1.608266	761.1	44.3	25.072	0.015	7.172
VosburgPike071118_65	VOSBURG PIKE	1243369.852013	2349784.430713	11-07-2018 12:24:57	267.742100	0.005382	1.325427	761.3	44.4	1194.048	0.024	5.911
VosburgPike071118_66	VOSBURG PIKE	1243418.189857	2349759.864341	11-07-2018 12:28:51	1.572706	0.011432	2.271189	761.3	44.5	7.016	0.051	10.132
VosburgPike071118_67	VOSBURG PIKE	1243285.522288	2349765.750213	11-07-2018 12:32:32	0.682845	0.004257	1.397055	761.1	44.6	3.048	0.019	6.236
VosburgPike071118_68	VOSBURG PIKE	1243341.498042	2349973.949725	11-07-2018 12:37:51	2.393123	0.022167	2.228103	761.4	44.9	10.688	0.099	9.951
VosburgPike071118_69	VOSBURG PIKE	1243200.142844	2349950.388799	11-07-2018 12:42:14	0.000000	0.007377	0.423838	760.4	45.0	-0.36	0.033	1.896
VosburgPike071118_70	VOSBURG PIKE	1243126.349578	2349843.895306	11-07-2018 12:46:11	0.000000	0.003132	0.750054	761.4	45.2	-0.571	0.014	3.353
VosburgPike071118_71	VOSBURG PIKE	1243200.541293	2349804.16096	11-07-2018 12:48:48	1.009035	0.012988	3.547523	762.2	45.2	4.506	0.058	15.842
VosburgPike071118_72	VOSBURG PIKE	1243025.654927	2349772.307708	11-07-2018 12:52:28	1.641979	0.005816	0.498410	761.9	45.4	7.34	0.026	2.228
VosburgPike071118_73	VOSBURG PIKE	1242940.875906	2349843.357979	11-07-2018 12:55:39	2.046281	0.011198	2.415808	763.0	45.5	9.137	0.05	10.787
VosburgPike071118_74	VOSBURG PIKE	1242971.726851	2349921.189412	11-07-2018 12:59:01	0.000000	0.010528	0.943275	763.4	45.6	-0.002	0.047	4.211
VosburgPike071118_75	VOSBURG PIKE	1242973.987744	2349944.91532	11-07-2018 13:01:19	2.231311	0.009186	1.920554	763.8	45.7	9.959	0.041	8.572

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071118_76	VOSBURG PIKE	1242884.645115	2350030.084846	11-07-2018 13:11:10	0.728972	0.011851	1.000883	763.5	46.2	3.26	0.053	4.476
VosburgPike071118_77	VOSBURG PIKE	1242840.686796	2350002.573861	11-07-2018 13:13:30	0.000000	0.009179	1.002063	764.4	46.2	-0.002	0.041	4.476
VosburgPike071118_78	VOSBURG PIKE	1242811.036481	2349991.998057	11-07-2018 13:15:44	19.189910	0.008284	3.421028	764.5	46.2	85.706	0.037	15.279
VosburgPike071118_79	VOSBURG PIKE	1242758.645748	2350007.099589	11-07-2018 13:18:06	2.865973	0.015227	3.922883	764.8	46.3	12.799	0.068	17.519



Grid Volume Computations

Sun Sep 09 12:41:55 2018

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2018\Surfer\BC2CJ_CH4notail.grd
Grid Size:	163 rows x 226 columns
X Minimum:	2299863.898
X Maximum:	2313366.525
X Spacing:	60.011675555555
Y Minimum:	1208385.47
Y Maximum:	1218128.995
Y Spacing:	60.145216049384
Z Minimum:	-247.55579522422
Z Maximum:	340.35120332973

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	2406569.0308188
Simpson's Rule:	2388648.6430658
Simpson's 3/8 Rule:	2508171.3734835

Cut & Fill Volumes

Positive Volume [Cut]:	6330742.6960098
Negative Volume [Fill]:	3924173.665191
Net Volume [Cut-Fill]:	2406569.0308188

Areas

Planar Areas

Positive Planar Area [Cut]:	10434319.885316
Negative Planar Area [Fill]:	18394079.251386

Blanked Planar Area: 102734784.60347
Total Planar Area: 131563183.74018

Surface Areas

Positive Surface Area [Cut]: 10440719.726085
Negative Surface Area [Fill]: 18396617.755033

Grid Volume Computations

Sun Sep 09 12:43:52 2018

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2018\Surfer\BC2CJ_CO2b.grd
Grid Size:	163 rows x 226 columns
X Minimum:	2299863.898
X Maximum:	2313366.525
X Spacing:	60.011675555555
Y Minimum:	1208385.47
Y Maximum:	1218128.995
Y Spacing:	60.145216049384
Z Minimum:	-3.9480937185306
Z Maximum:	61.659836787437

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	1003693.1903382
Simpson's Rule:	1004324.0627754
Simpson's 3/8 Rule:	1006739.2914002

Cut & Fill Volumes

Positive Volume [Cut]:	1085692.8246133
Negative Volume [Fill]:	81999.634275146
Net Volume [Cut-Fill]:	1003693.1903382

Areas

Planar Areas

Positive Planar Area [Cut]:	18196207.620309
Negative Planar Area [Fill]:	1399307.4558338

Blanked Planar Area: 111967668.66403
Total Planar Area: 131563183.74018

Surface Areas

Positive Surface Area [Cut]: 18196268.234208
Negative Surface Area [Fill]: 1399308.7769417

Grid Volume Computations

Sun Sep 09 12:44:22 2018

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2018\Surfer\FR_CH4notail.grd
Grid Size:	45 rows x 84 columns
X Minimum:	2328291.208
X Maximum:	2333289.265
X Spacing:	60.217554216868
Y Minimum:	1233418.757
Y Maximum:	1236057.43
Y Spacing:	59.96984090909
Z Minimum:	-144.62022912198
Z Maximum:	844.19656739566

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor:	0.0929
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Total Volumes by:

Trapezoidal Rule:	909983.99864493
Simpson's Rule:	982444.75955481
Simpson's 3/8 Rule:	812891.77108933

Cut & Fill Volumes

Positive Volume [Cut]:	2772712.4218808
Negative Volume [Fill]:	1862728.4232358
Net Volume [Cut-Fill]:	909983.99864493

Areas

Planar Areas

Positive Planar Area [Cut]:	2198307.4023338
Negative Planar Area [Fill]:	3509252.907425

Blanked Planar Area: 7480677.748602
Total Planar Area: 13188238.058361

Surface Areas

Positive Surface Area [Cut]: 2206914.1702558
Negative Surface Area [Fill]: 3510297.1514124

Grid Volume Computations

Sun Sep 09 12:45:20 2018

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2018\Surfer\FR_CO2b.grd
Grid Size:	51 rows x 100 columns
X Minimum:	2328291.208
X Maximum:	2333289.265
X Spacing:	50.485424242425
Y Minimum:	1233418.757
Y Maximum:	1236057.43
Y Spacing:	52.773459999999
Z Minimum:	-0.22565423610346
Z Maximum:	2.1671744970675

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	81188.887412408
Simpson's Rule:	81261.322107994
Simpson's 3/8 Rule:	81112.648520972

Cut & Fill Volumes

Positive Volume [Cut]:	82102.632903901
Negative Volume [Fill]:	913.74549149342
Net Volume [Cut-Fill]:	81188.887412408

Areas

Planar Areas

Positive Planar Area [Cut]:	3486666.456428
Negative Planar Area [Fill]:	148757.95380099

Blanked Planar Area: 9552813.6481319
Total Planar Area: 13188238.058361

Surface Areas

Positive Surface Area [Cut]: 3486666.6068187
Negative Surface Area [Fill]: 148757.95489738

Grid Volume Computations

Mon Sep 10 16:46:44 2018

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2018\Surfer\Sec12_CH4b.grd
Grid Size:	34 rows x 100 columns
X Minimum:	2358638.38
X Maximum:	2362475.587
X Spacing:	38.7596666666666
Y Minimum:	1245031.326
Y Maximum:	1246446.298
Y Spacing:	42.877939393941
Z Minimum:	-2167.3002464646
Z Maximum:	16994.385827488

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor:	0.0929
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Total Volumes by:

Trapezoidal Rule:	10560847.929306
Simpson's Rule:	10629333.047896
Simpson's 3/8 Rule:	10248837.588307

Cut & Fill Volumes

Positive Volume [Cut]:	11791902.822644
Negative Volume [Fill]:	1231054.8933384
Net Volume [Cut-Fill]:	10560847.929306

Areas

Planar Areas

Positive Planar Area [Cut]:	1820346.5137778
Negative Planar Area [Fill]:	1147868.7501594

Blanked Planar Area: 2461325.199267
Total Planar Area: 5429540.4632042

Surface Areas

Positive Surface Area [Cut]: 2198144.3889964
Negative Surface Area [Fill]: 1198801.9288648

Grid Volume Computations

Sun Sep 09 12:46:42 2018

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2018\Surfer\Sec12_CO2.grd
Grid Size:	25 rows x 65 columns
X Minimum:	2358638.38
X Maximum:	2362475.587
X Spacing:	59.956359374999
Y Minimum:	1245031.326
Y Maximum:	1246446.298
Y Spacing:	58.957166666669
Z Minimum:	-8.6991485137828
Z Maximum:	97.088801419232

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor:	0.0929
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Total Volumes by:

Trapezoidal Rule:	283445.25615521
Simpson's Rule:	266859.65023111
Simpson's 3/8 Rule:	287883.10813741

Cut & Fill Volumes

Positive Volume [Cut]:	344883.90734548
Negative Volume [Fill]:	61438.651190269
Net Volume [Cut-Fill]:	283445.25615521

Areas

Planar Areas

Positive Planar Area [Cut]:	2133733.3438481
Negative Planar Area [Fill]:	724198.59918611

Blanked Planar Area: 2571608.5201699
Total Planar Area: 5429540.4632042

Surface Areas

Positive Surface Area [Cut]: 2133851.8957615
Negative Surface Area [Fill]: 724203.7239511

Grid Volume Computations

Sun Sep 09 12:47:12 2018

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2018\Surfer\Sec17_CH4notail.grd
Grid Size:	22 rows x 26 columns
X Minimum:	2340857.286
X Maximum:	2341231.941
X Spacing:	14.98620000001
Y Minimum:	1240688.041
Y Maximum:	1241006.339
Y Spacing:	15.157047619045
Z Minimum:	-19.976317619058
Z Maximum:	93.827060965737

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	6617.0107304873
Simpson's Rule:	6770.9791042979
Simpson's 3/8 Rule:	7038.7470006782

Cut & Fill Volumes

Positive Volume [Cut]:	21660.168739599
Negative Volume [Fill]:	15043.158009111
Net Volume [Cut-Fill]:	6617.0107304873

Areas

Planar Areas

Positive Planar Area [Cut]:	20063.526029039
Negative Planar Area [Fill]:	48989.024267684

Blanked Planar Area: 50199.386893342
Total Planar Area: 119251.93719006

Surface Areas

Positive Surface Area [Cut]: 20178.622980465
Negative Surface Area [Fill]: 49014.776584922

Grid Volume Computations

Sun Sep 09 12:47:35 2018

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2018\Surfer\Sec17_CO2.grd
Grid Size:	12 rows x 20 columns
X Minimum:	2340907.286
X Maximum:	2341191.941
X Spacing:	14.981842105277
Y Minimum:	1240788.041
Y Maximum:	1240956.339
Y Spacing:	15.299818181814
Z Minimum:	-6.8244779669491
Z Maximum:	45.119918723873

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	8500.919073248
Simpson's Rule:	8386.9801859231
Simpson's 3/8 Rule:	8683.1522776869

Cut & Fill Volumes

Positive Volume [Cut]:	11050.191188783
Negative Volume [Fill]:	2549.2721155354
Net Volume [Cut-Fill]:	8500.919073248

Areas

Planar Areas

Positive Planar Area [Cut]:	18653.371220874
Negative Planar Area [Fill]:	19167.839718623

Blanked Planar Area: 10085.656250533
Total Planar Area: 47906.86719003

Surface Areas

Positive Surface Area [Cut]: 18675.328364661
Negative Surface Area [Fill]: 19168.849381576

Grid Volume Computations

Sun Sep 09 12:48:30 2018

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2018\Surfer\Sec18_CO2.grd
Grid Size:	21 rows x 24 columns
X Minimum:	2335016.604
X Maximum:	2335358.131
X Spacing:	14.84900000001
Y Minimum:	1237252.388
Y Maximum:	1237549.853
Y Spacing:	14.8732499999993
Z Minimum:	0.002713705403248
Z Maximum:	0.70664944862316

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	901.65418596433
Simpson's Rule:	896.07575771819
Simpson's 3/8 Rule:	902.21804393717

Cut & Fill Volumes

Positive Volume [Cut]:	901.65418596433
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	901.65418596433

Areas

Planar Areas

Positive Planar Area [Cut]:	84255.377248891
Negative Planar Area [Fill]:	0

Blanked Planar Area: 17336.951806128
Total Planar Area: 101592.32905502

Surface Areas

Positive Surface Area [Cut]: 84255.383032546
Negative Surface Area [Fill]: 0

Grid Volume Computations

Sun Sep 09 12:49:00 2018

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2018\Surfer\TC2PR_CH4notail.grd
Grid Size:	111 rows x 322 columns
X Minimum:	2370494.442
X Maximum:	2389728.505
X Spacing:	59.919199376947
Y Minimum:	1237820.194
Y Maximum:	1244441.592
Y Spacing:	60.194527272728
Z Minimum:	-159.91545529141
Z Maximum:	494.29461359097

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor:	0.0929
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Total Volumes by:

Trapezoidal Rule:	-305738.70123729
Simpson's Rule:	-333127.55821317
Simpson's 3/8 Rule:	-308691.42968739

Cut & Fill Volumes

Positive Volume [Cut]:	2185535.9414596
Negative Volume [Fill]:	2491274.6426969
Net Volume [Cut-Fill]:	-305738.70123728

Areas

Planar Areas

Positive Planar Area [Cut]:	8143727.6184129
Negative Planar Area [Fill]:	20187748.287279

Blanked Planar Area: 99024910.374383
Total Planar Area: 127356386.28008

Surface Areas

Positive Surface Area [Cut]: 8149937.0798892
Negative Surface Area [Fill]: 20189730.295736

Grid Volume Computations

Sun Sep 09 12:49:19 2018

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2018\Surfer\TC2PR_CO2.grd
Grid Size:	111 rows x 322 columns
X Minimum:	2370494.442
X Maximum:	2389728.505
X Spacing:	59.919199376947
Y Minimum:	1237820.194
Y Maximum:	1244441.592
Y Spacing:	60.194527272728
Z Minimum:	-2.7030034063114
Z Maximum:	20.745308854375

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	747848.03399958
Simpson's Rule:	742924.42444595
Simpson's 3/8 Rule:	749257.26679784

Cut & Fill Volumes

Positive Volume [Cut]:	773839.26323568
Negative Volume [Fill]:	25991.2292361
Net Volume [Cut-Fill]:	747848.03399958

Areas

Planar Areas

Positive Planar Area [Cut]:	16346985.285869
Negative Planar Area [Fill]:	624849.19843881

Blanked Planar Area: 110384551.79577
Total Planar Area: 127356386.28008

Surface Areas

Positive Surface Area [Cut]: 16346999.688274
Negative Surface Area [Fill]: 624849.45121026

Grid Volume Computations

Sun Sep 09 12:49:46 2018

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2018\Surfer\VP_CH4notail.grd
Grid Size:	38 rows x 75 columns
X Minimum:	2349034.851
X Maximum:	2353492.047
X Spacing:	60.232378378378
Y Minimum:	1242465.075
Y Maximum:	1244697.703
Y Spacing:	60.341297297298
Z Minimum:	-24.632155081817
Z Maximum:	168.36790734754

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	100120.14715831
Simpson's Rule:	97446.670465228
Simpson's 3/8 Rule:	76953.143432207

Cut & Fill Volumes

Positive Volume [Cut]:	203977.87070256
Negative Volume [Fill]:	103857.72354425
Net Volume [Cut-Fill]:	100120.14715831

Areas

Planar Areas

Positive Planar Area [Cut]:	1953797.9686319
Negative Planar Area [Fill]:	2925518.0808699

Blanked Planar Area: 5071944.5415864
Total Planar Area: 9951260.5910881

Surface Areas

Positive Surface Area [Cut]: 1954203.934351
Negative Surface Area [Fill]: 2925550.7602074

Grid Volume Computations

Sun Sep 09 12:50:14 2018

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\2018\Surfer\VP_CO2.grd
Grid Size:	38 rows x 75 columns
X Minimum:	2349034.851
X Maximum:	2353492.047
X Spacing:	60.232378378378
Y Minimum:	1242465.075
Y Maximum:	1244697.703
Y Spacing:	60.341297297298
Z Minimum:	-0.325731894953
Z Maximum:	3.8153733000842

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor:	0.0929
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Total Volumes by:

Trapezoidal Rule:	83208.304650743
Simpson's Rule:	83031.468667846
Simpson's 3/8 Rule:	82832.960399932

Cut & Fill Volumes

Positive Volume [Cut]:	84223.171273647
Negative Volume [Fill]:	1014.8666229033
Net Volume [Cut-Fill]:	83208.304650743

Areas

Planar Areas

Positive Planar Area [Cut]:	2344458.9143594
Negative Planar Area [Fill]:	50676.487220939

Blanked Planar Area: 7556125.1895077
Total Planar Area: 9951260.5910881

Surface Areas

Positive Surface Area [Cut]: 2344459.2279674
Negative Surface Area [Fill]: 50676.488925296



Isotech Gas Data

Job 39165

CoreTrac IS-65828

Isotech Lab No.	Sample Name	Sample Date	Sample Time	Field Name	GC Date	He %	H ₂ %	Ar %	O ₂ %	CO ₂ %	N ₂ %	CO %	C ₁ %	C ₂ %	C ₂ H ₄ %	C ₃ %	C ₃ H ₆ %	iC ₄ %	nC ₄ %	iC ₅ %	nC ₅ %	C ₆ + %	Vacuum Distilled? **	Dissolved CH ₄ cc/L	Dissolved CH ₄ mg/L	Dissolved C ₂ H ₆ cc/L	Dissolved C ₂ H ₆ mg/L	Dissolved C ₃ H ₈ cc/L	Dissolved C ₃ H ₈ mg/L	Helium dilution factor *
676752	Kane Ranch Spring	8/7/2018	11:00	La Plata Springs	9/6/2018	na	nd	0.314	nd	2.47	15.61	nd	81.59	0.0105	nd	0.0008	nd	0.0008	nd	nd	nd	nd	No	22	15	0.0031	0.0039	0.00023	0.00042	0.76

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.

Lab #: 676752 Job #: 39165 IS-65828 Co. Job#: _____
 Sample Name: Kane Ranch Spring Co. Lab#: _____
 Company: LT Environmental
 API/Well: _____
 Container: Dissolved Gas Bottle
 Field/Site Name: La Plata Springs
 Location: _____
 Formation/Depth: _____
 Sampling Point: _____
 Date Sampled: 8/07/2018 11:00 Date Received: 8/08/2018 Date Reported: 10/15/2018

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	δD ‰	$\delta^{18}\text{O}$ ‰	Dissolved gas cc/L	Dissolved gas ppm
Carbon Monoxide -----	nd					
Helium -----	na					
Hydrogen -----	nd					
Argon -----	0.314					
Oxygen -----	nd					
Nitrogen -----	15.61					
Carbon Dioxide -----	2.47					
Methane -----	81.59	-46.24	-256.1		22	15
Ethane -----	0.0105				0.0031	0.0039
Ethylene -----	nd					
Propane -----	0.0008				0.00023	0.00042
Propylene -----	nd					
Iso-butane -----	0.0008					
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 = 0.76

*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. All gas component carbon isotope values are reported on a scale defined by a two point calibration of LSVEC and NBS 19. 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. %.



75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
970.247.4227 Fax
www.greenanalytical.com

17 August 2018

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 08/07/18 13:06.
If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "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/>

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.



LT Environmental 848 E 2nd Ave Durango CO, 81301	Project: La Plata Springs Project Name / Number: 005218006 Project Manager: Devin Hencmann	Reported: 08/17/18 16:37
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Kane Ranch Spring	1808080-01	Water	08/07/18 11:00	08/07/18 13:06

Green Analytical Laboratories

Jeremy D Allen For Debbie Zufelt, Reports Manager

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LT Environmental 848 E 2nd Ave Durango CO, 81301	Project: La Plata Springs Project Name / Number: 005218006 Project Manager: Devin Hencmann	Reported: 08/17/18 16:37
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Kane Ranch Spring

1808080-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

Alkalinity, Bicarbonate as CaCO3*	49.0	10.0		mg/L	1	08/13/18	2320 B		JDU
Alkalinity, Carbonate as CaCO3*	<10.0	10.0		mg/L	1	08/13/18	2320 B		JDU
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0		mg/L	1	08/13/18	2320 B		JDU
Alkalinity, Total as CaCO3*	49.0	10.0		mg/L	1	08/13/18	2320 B		JDU
Bromide	0.324	0.100	0.0309	mg/L	1	08/10/18	EPA300.0		AES
Chloride*	3.36	1.00	0.193	mg/L	1	08/16/18	EPA300.0		AES
Fluoride*	0.363	0.100	0.0255	mg/L	1	08/16/18	EPA300.0		AES
Total Dissolved Solids*	510	10.0		mg/L	1	08/13/18	EPA160.1		JDU
Sulfate*	128	5.00	1.48	mg/L	5	08/16/18	EPA300.0		AES

Dissolved Metals by ICP

Calcium*	46.8	0.100	0.013	mg/L	1	08/15/18	EPA200.7		AES
Iron*	6.12	0.050	0.028	mg/L	1	08/15/18	EPA200.7		AES
Magnesium*	17.8	0.100	0.019	mg/L	1	08/15/18	EPA200.7		AES
Potassium*	6.08	1.00	0.096	mg/L	1	08/15/18	EPA200.7		AES
Sodium*	12.7	1.00	0.367	mg/L	1	08/15/18	EPA200.7		AES

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LT Environmental 848 E 2nd Ave Durango CO, 81301	Project: La Plata Springs Project Name / Number: 005218006 Project Manager: Devin Hencmann	Reported: 08/17/18 16:37
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General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B808078 - General Prep - Wet Chem

Blank (B808078-BLK1)		Prepared: 08/09/18 Analyzed: 08/10/18								
Bromide	ND	0.100	mg/L							
LCS (B808078-BS1)		Prepared: 08/09/18 Analyzed: 08/10/18								
Bromide	2.48	0.100	mg/L	2.50		99.1	90-110			
LCS Dup (B808078-BSD1)		Prepared: 08/09/18 Analyzed: 08/10/18								
Bromide	2.49	0.100	mg/L	2.50		99.7	90-110	0.604	20	

Batch B808089 - General Prep - Wet Chem

Blank (B808089-BLK1)		Prepared: 08/10/18 Analyzed: 08/13/18								
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (B808089-DUP1)		Source: 1808055-01 Prepared: 08/10/18 Analyzed: 08/13/18								
Total Dissolved Solids	100	10.0	mg/L		115			13.9	20	
Reference (B808089-SRM1)		Prepared: 08/10/18 Analyzed: 08/13/18								
Total Dissolved Solids	370	10.0	mg/L	380		97.4	85-115			

Batch B808098 - General Prep - Wet Chem

Blank (B808098-BLK1)		Prepared & Analyzed: 08/13/18								
Alkalinity, Total as CaCO3	ND	10.0	mg/L							
LCS (B808098-BS1)		Prepared & Analyzed: 08/13/18								
Alkalinity, Total as CaCO3	100	10.0	mg/L	100		100	85-115			
LCS Dup (B808098-BSD1)		Prepared & Analyzed: 08/13/18								
Alkalinity, Total as CaCO3	111	10.0	mg/L	100		111	85-115	10.4	20	

Batch B808143 - General Prep - Wet Chem

Blank (B808143-BLK1)		Prepared & Analyzed: 08/15/18								
Chloride	ND	1.00	mg/L							
Fluoride	ND	0.100	mg/L							
Sulfate	ND	1.00	mg/L							
LCS (B808143-BS1)		Prepared & Analyzed: 08/15/18								
Chloride	22.9	1.00	mg/L	25.0		91.6	90-110			
Fluoride	2.36	0.100	mg/L	2.50		94.2	90-110			
Sulfate	23.2	1.00	mg/L	25.0		92.9	90-110			
LCS Dup (B808143-BSD1)		Prepared: 08/15/18 Analyzed: 08/16/18								
Chloride	23.8	1.00	mg/L	25.0		95.1	90-110	3.75	20	
Fluoride	2.44	0.100	mg/L	2.50		97.6	90-110	3.46	20	
Sulfate	24.0	1.00	mg/L	25.0		95.8	90-110	3.16	20	

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Jeremy D Allen For Debbie Zufelt, Reports Manager

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LT Environmental 848 E 2nd Ave Durango CO, 81301	Project: La Plata Springs Project Name / Number: 005218006 Project Manager: Devin Hencmann	Reported: 08/17/18 16:37
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Dissolved Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B808081 - Diss. 200.7/200.8

Blank (B808081-BLK1)

Prepared: 08/10/18 Analyzed: 08/16/18

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 (B808081-BS1)

Prepared: 08/10/18 Analyzed: 08/15/18

Calcium	5.02	0.100	mg/L	5.00		100	85-115			
Iron	4.87	0.050	mg/L	5.00		97.4	85-115			
Magnesium	24.7	0.100	mg/L	25.0		98.9	85-115			
Potassium	10.1	1.00	mg/L	10.0		101	85-115			
Sodium	3.79	1.00	mg/L	4.05		93.7	85-115			

LCS Dup (B808081-BSD1)

Prepared: 08/10/18 Analyzed: 08/15/18

Calcium	5.06	0.100	mg/L	5.00		101	85-115	0.651	20	
Iron	4.93	0.050	mg/L	5.00		98.6	85-115	1.22	20	
Magnesium	25.1	0.100	mg/L	25.0		100	85-115	1.31	20	
Potassium	10.2	1.00	mg/L	10.0		102	85-115	0.933	20	
Sodium	3.83	1.00	mg/L	4.05		94.4	85-115	0.789	20	

Green Analytical Laboratories

Jeremy D Allen For Debbie Zufelt, Reports Manager

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LT Environmental 848 E 2nd Ave Durango CO, 81301	Project: La Plata Springs Project Name / Number: 005218006 Project Manager: Devin Hencmann	Reported: 08/17/18 16:37
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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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(970) 247-4220
 Fax: (970) 247-4227

service@greenanalytical.com or dzufell@greenanalytical.com
 75 Suttle St Durango, CO 81303

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name(If Applicable): CT Environmental

Contact Person: Devon Hennemann

Address: 848 E. 2nd Ave

City: Durango State: CO Zip: 81301

Phone #: 970-385-1096

Email: dhennemann@ctenv.com

Project Name(optional): La Plata Springs

Project Number(optional): 005218006

Sampler Name (Print): JSH Adams

Bill to (if different):

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Email:

Collected

Matrix (check one)

of containers

For Lab Use

- GROUNDWATER
- SURFACEWATER
- WASTEWATER
- PRODUCEDWATER
- SOIL
- DRINKING WATER
- OTHER :

- No preservation (general)
- HNO₃
- HCl
- H₂SO₄
- Other:
- Other:

1808-080-01 Kane Ranch Spring

8-7-18 1100

X See Attached

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 consequential 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.

Relinquished By: [Signature]

Relinquished By: [Signature]

Relinquished By: [Signature]

Relinquished By: [Signature]

Relinquished By: [Signature]

Relinquished By: [Signature]

Relinquished By: [Signature]

Relinquished By: [Signature]

Relinquished By: [Signature]

Date: 8-7-18

Time: 1306

Date: [Blank]

Time: [Blank]

Date: [Blank]

Time: [Blank]

Received By: [Signature]

Received By: [Signature]

Received By: [Signature]

Received By: [Signature]

Received By: [Signature]

Received By: [Signature]

Received By: [Signature]

Received By: [Signature]

Received By: [Signature]

ADDITIONAL REMARKS:

Report to State? (Circle)

Yes No

Temperature at receipt: 10.8/10.6

CHECKED BY: [Signature]

#1 on ice

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

Attachment La Plata

Project Information

LT Environmental

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

Phone: (970) 385-1096
Fax: -

LTE
~~5/16/2016~~
2018

Project Name:	La Plata Springs	Invoice To:	LT Environmental
Project Number:	[none] 60528006	Invoice Bid:	(list pricing)
Client PM:	Devin Hencmann	Invoice Manager:	Devin Hencmann
Comments:			

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