2017 FRUITLAND OUTCROP MONITORING REPORT

LA PLATA COUNTY, COLORADO

MARCH 2018

Prepared for:

THE GROUP
La Plata County, Colorado

Advancing Opportunity

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Prepared for:

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Prepared by:

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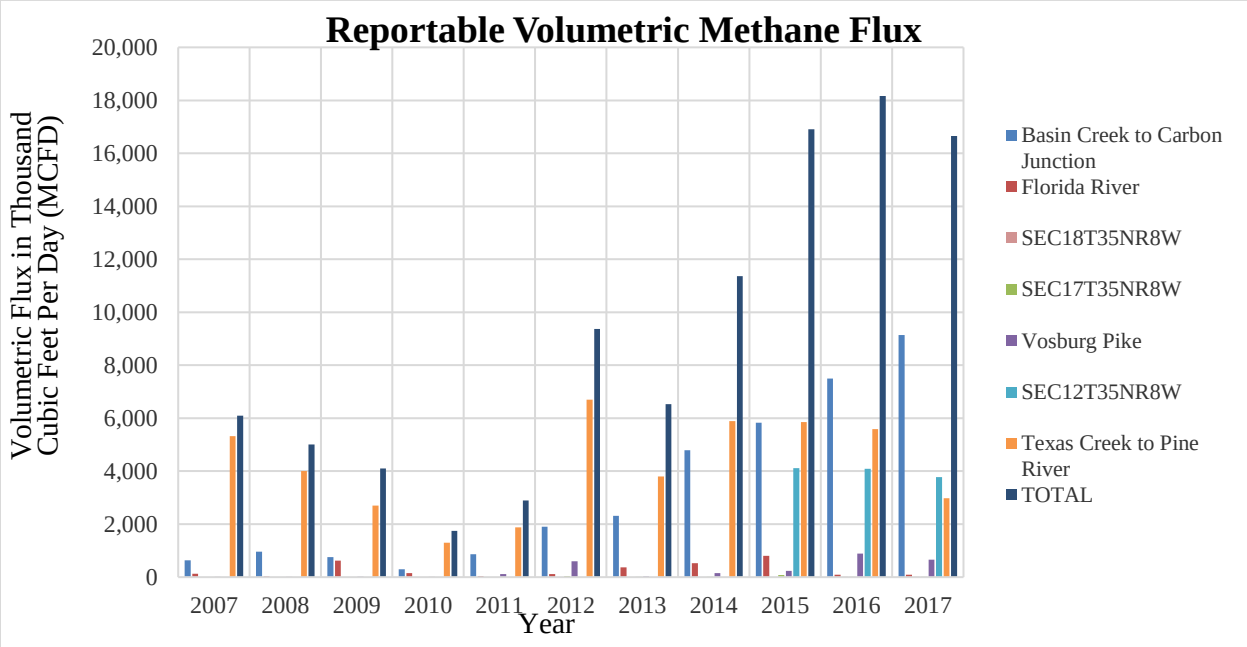
EXECUTIVE SUMMARY

This 2017 Fruitland Outcrop Monitoring Report has been prepared on behalf of Chevron North America Exploration and Production Company (now Enduring Resources, LLC), BP, Inc. (BP), and XTO Energy, Inc. (XTO). 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.

The 2017 methane seep survey was conducted over 1,329 acres of the Kf outcrop from June 5 through July 18, 2017. 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.

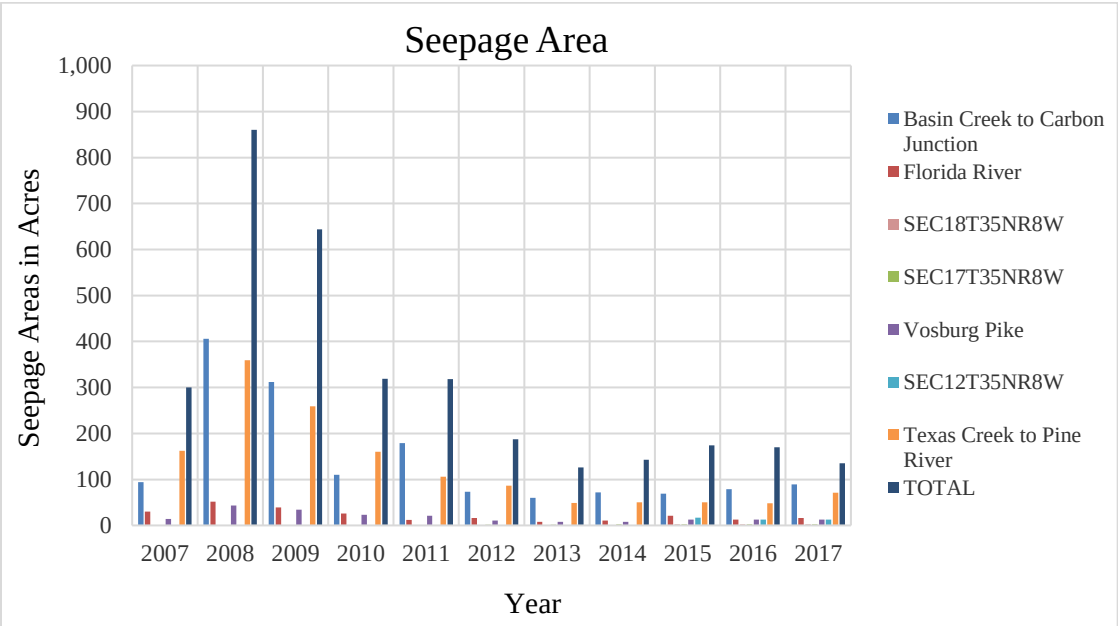
Generally, methane flux rates across the project area decreased from 6,099 thousand cubic feet per day (MCFD) in 2007 to 2,900 MCFD in 2011. Starting in 2012, the methane flux began increasing, except for a small decrease between 2012 and 2013. In 2016, the methane flux was calculated at 18,165 MCFD, the highest methane flux measured to date. In 2017, methane flux decreased from 18,165 MCFD measured in 2016 to 16,650 MCFD. This was the first decrease observed since 2013. The largest decrease in methane flux from 2016 to 2017 was observed at South Fork Texas Creek (SFTC) to Pine River mapping area where methane flux dropped by 2,607 MCFD. Below is a graph summarizing the reportable volumetric methane flux for the project since the initial use of the portable flux meter in 2007.



A mitigation system at SFTC appears to have an effect on 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 as described above and can bias the results high as was observed in 2012. Additional flux points were added in the vicinity of the mitigation system in the 2013, 2014, 2015, 2016, and 2017 surveys to reduce the bias high effect observed most significantly in 2012.

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 increased 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 2017 was 16,650 MCFD, down 1,515 MCFD from 2016. This was the first decrease observed since 2013.

The seepage area from 2008 to 2017 decreased by 76% (see the graph below). When comparing the annual monitoring events from 2009 through 2017 where the mapped area is similar, the seepage areas decreased by approximately 68%. Seepage area slightly decreased from 2016 to 2017. 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 2017 was 2,796 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.

Out of 12 natural springs originally identified along the Kf outcrop in La Plata County, three natural springs were sampled in May 2017 with comparable analytical results to previous years' results.

At the request of the COGCC, flux measurements were collected at 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.

A regional reconnaissance infrared imagery (IR) aerial survey was conducted from June 2 to June 6, 2017. Field verification of identified potential seep locations was conducted August 18 to August 21, 2017, at 10 accessible suspect locations. Subsurface methane was detected at 2 of the 10 accessible suspect locations with concentrations ranging from 2,500 parts per million (ppm) to 640,000 ppm. With the presence of subsurface methane gas identified in two locations during field verification activities associated with the regional reconnaissance survey, these areas have the potential to increase the total volumetric methane flux and total seepage area.

Based on the results of the 2017 Kf outcrop monitoring event, LTE recommends continuation of the following to meet the COGCC orders:

- Conduct detailed methane seep mapping and flux estimation using the portable flux meter in June 2018. LTE will return to the sample locations visited during the 2017 field activities to observe changes in subsurface methane over time and space. Grid spacing will be revised based on the 2017 results; and
- Add the seeps discovered during the 2017 regional reconnaissance to the 2018 detailed seep mapping.

Based on the results of the 2017 and previous year's Kf outcrop monitoring events, LTE recommends the following changes.

- Reduce the frequency of the natural springs sampling 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 sampling event will occur in 2020 and would then continue in 3-year intervals; 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.

1.0 INTRODUCTION

This 2017 Fruitland Outcrop Monitoring Report has been prepared on behalf of Chevron North America Exploration and Production Company (now Enduring Resources. LLC), BP, Inc. (BP), and XTO Energy, Inc. (XTO). 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), northeastward 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 performed 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, June 2008, June 2009, June 2010, June 2011, June 2012, June 2013, June 2014, June 2015, June 2016;
- Regional reconnaissance of the 23-mile section of the Kf outcrop in the project area in July 2003, September 2005, October 2008, August 2011, and August 2014. The regional reconnaissance included the collection of IR imagery, identification of 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, May 2011, May 2012, May 2013, May 2014, May 2015, and May 2016;
- 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 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 in June 2015.

1.4 SCOPE OF WORK

The scope of work for the 2017 methane seep monitoring included the following tasks:

1. Obtaining permission to access private properties;
2. Conducting detailed seep mapping at seven key areas of interest;
3. Conducting regional reconnaissance;
4. Monitoring accessible natural springs;
5. Conducting detailed seep mapping at three shut-in/abandoned production well locations; and
6. Preparing this report.

1.5 REPORT ORGANIZATION

This report is organized into eight sections including this introduction (Section 1.0), which presents the objective of the study and discusses background information related to the project. The field methods are described in Section 2.0. The results of the detailed flux mapping are summarized in Section 3.0. The regional reconnaissance results are presented in Section 4.0. The natural springs monitoring results are presented in Section 5.0. The results of the shut-in/abandoned wells flux mapping are presented in Section 6.0. The summary, conclusions, and recommendations of this survey are presented in Section 7.0. The report references are listed in Section 8.0. Figures, tables, and appendices follow the text in separate sections.

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 geometry 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 denied access properties during the monitoring event. The 2017 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):

- 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 (ft^2) to 40,000 ft^2. 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 known 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 (2008, 2011, 2014, and 2017). 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, but 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 each sampled natural spring, 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 sampled natural spring.

Water samples for laboratory analysis were collected at each accessible and flowing natural spring in bottles and containers prepared by the subcontracted analytical laboratories. 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 all four cardinal directions.

3.0 DETAILED MAPPING RESULTS

This section describes the results of the detailed flux mapping conducted from June 5, 2017, through July 18, 2017, in seven main mapping areas. A total of 1,713 flux measurements were collected over 1,146 acres of land in the project area during the 2017 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 document as mass flux with the units of moles per square meter per day (mol/m^2·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 2017 monitoring event recorded flux above the reportable limit (0.2 mol/m^2·day) at 280 of the 1,713 (16 percent [%]) sample locations. The reportable methane flux values of each measured location area for the entire project area ranged from 0.2 mol/m^2·day to a maximum of 28,130 mol/m^2·day in the SEC12T35NR8W mapping area. Methane flux results for each area of interest are discussed in Section 3.5.

3.2 OVERALL CARBON DIOXIDE RESULTS

The 2017 monitoring event detected carbon dioxide flux at 1,659 of the 1,713 (96.8%) sample locations. The carbon dioxide flux values of each measured location area for the entire project area ranged from 0.000227 mol/m^2·day to a maximum 405.81 mol/m^2·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 1,713 sample locations. The flux meter is a highly sensitive field meter capable of detecting very low flux rates of hydrogen sulfide resulting in 401 points (23%) that were slightly above the unit's reliable detection limit of 0.0025 mol/m^2·day. Given the flux meter's accuracy of plus or minus (±)25%, these measured values are not considered to pose a threat to human health.

Hydrogen sulfide has been identified in the Carbon Junction and SFTC areas since the inception of the monitoring program in 1997, but concentrations in the atmosphere above the ground surface have not been detected at levels that pose a risk to human health. Hydrogen sulfide concentrations have been detected in the shallow subsurface soil; however, concentrations were found to dissipate quickly to below detectable limits above the ground surface. The source of the

hydrogen sulfide detected along the Kf outcrop is believed to be from local, near surface anaerobic microbial activity, as hydrogen sulfide is not present in the coalbed methane production gas developed within the northern San Juan Basin.

Due to the very low flux values of hydrogen sulfide measured during the 2017 detailed mapping program, maps of hydrogen sulfide measurements were not deemed useful and therefore were not prepared. Estimates of total hydrogen sulfide flux were also 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:

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

For example,

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

For carbon dioxide flux, the calculation is as follows:

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

For example,

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

Notes:

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

The volumetric flux values calculated herein are estimates and may not represent actual values for the specific areas. Interpolation calculation techniques are highly sensitive to data skewness and can result in large changes in calculated flux values based on measurements made at only a

few locations. Methane flux volumes were calculated using values that were at or above the reporting limit as described in previous reports referenced in Section 2.3. A discussion of the methods and calculations used to determine total methane flux is presented in Appendix C.

The total estimated reportable methane flux volume for the mapped areas on the Kf outcrop in La Plata County in 2017 was 16,650 MCFD. The total estimated volumetric carbon dioxide flux for the mapped areas on the Kf outcrop in La Plata County in 2017 was 2,796 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 just 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 5, 2017, and June 20, 2017. A total of 618 flux sample points were measured. The Basin Creek to Carbon Junction survey area has an estimated methane seepage area of approximately 89 acres with a flux rate of 9,146 MCFD. Carbon dioxide was mapped over approximately 467 acres with a total flux rate of 1,214 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 June 23, June 27, and June 28, 2017. A total of 124 flux sample points were measured. The Florida River mapping area has an estimated methane seepage area of approximately 16 acres with a total flux rate of 86 MCFD. Carbon dioxide was mapped over approximately 88 acres with a total flux rate of 127 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. The SEC18T35NR8W mapping was conducted on June 23, 2017. A total of 20 flux sample points were measured. The SEC18T35NR8W seep has an estimated methane seepage area of approximately two acres with a total flux rate of 0.17 MCFD. Carbon dioxide was mapped over approximately five acres with a total flux rate of 1.5 MCFD.

3.5.4 SEC17T35NR8W

The survey area at SEC17T35NR8W is located in Section 17, Township 35 North, Range 8 West, located between Florida River and Vosburg Pike. The SEC17T35NR8W mapping was conducted on June 29, 2017. A total of 16 flux sample points was measured. The SEC17T35NR8W seep has an estimated methane seepage area of approximately two acres with

a total flux rate of 5 MCFD. Carbon dioxide was mapped over approximately four acres with a total flux rate of 3.2 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 26 and July 19, 2017.

A total of 88 flux sample points were measured. The Vosburg Pike mapping area has an estimated methane seepage area of approximately 13 acres with a total flux rate of 654 MCFD. Carbon dioxide was mapped over approximately 73 acres with a total flux rate of 189 MCFD.

3.5.6 SEC12T35NR8W

LTE detected methane in the subsurface within suspect seep area 29 from the 2011 regional reconnaissance. As a result, this area was included in the detailed flux survey program since 2012. The methane seep, 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. 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 2017 methane flux survey was the third time flux measurements have been collected in the SEC12T35NR8W area, conducted on July 18 and July 19, 2017. A total of 123 flux sample points was measured. The SEC12T35NR8W mapping area has an estimated methane seepage area of approximately 13 acres with a total flux rate of 3,779 MCFD. Carbon dioxide was mapped over approximately 72 acres with a total flux rate of 241 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 5 and July 13, 2017. The survey area collectively known as SFTC (SFTC West, SFTC Central, and SFTC East) is located where the 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 Pictured Cliffs Formation (Kpc). Areas west of the creek are designated as SFTC West. The main seep area within SFTC including the Ward and Kurtz 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), which was expanded in 2010, is 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 648 flux sample points were measured in the SFTC to Pine River survey area. The SFTC to Pine River survey area has an estimated methane seepage area of 71 acres with a total flux rate of 2,980 MCFD. Carbon dioxide was mapped over approximately 414 acres with a total flux rate of 1,020 MCFD.

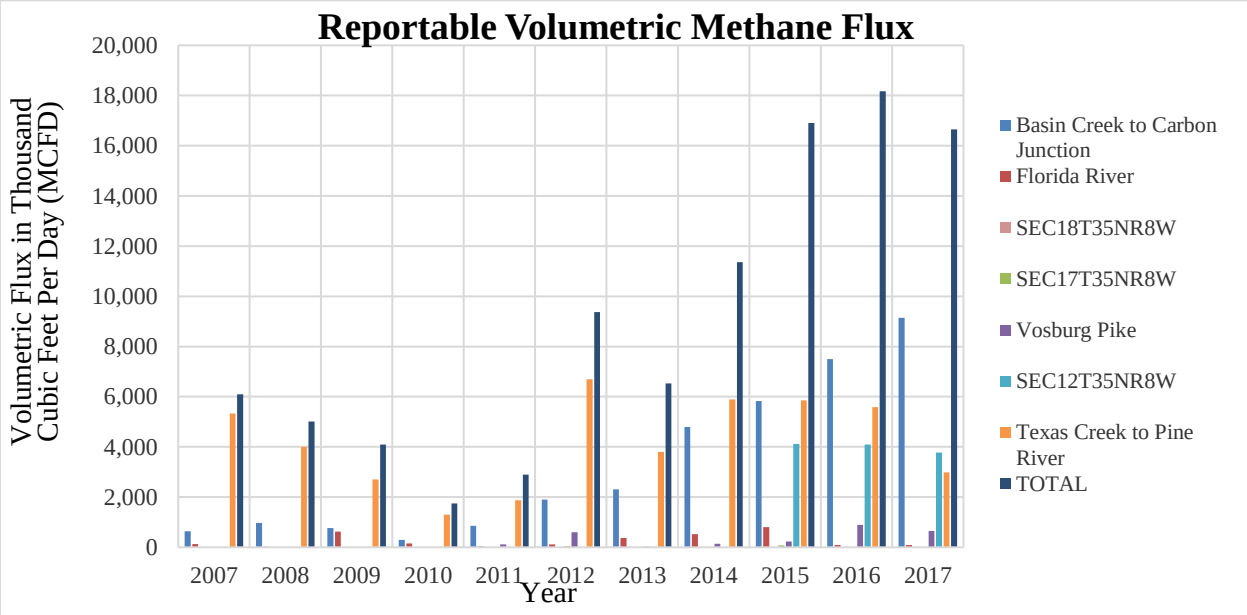
3.6 HISTORICAL FLUX DATA COMPARISON

Due to elevated methane flux in 2012, LTE revised the grid spacing in the vicinity of those flux points with elevated methane flux to better bracket the seepage and report a more accurate methane flux. The revised grid spacing was utilized in the 2013, 2014, 2015, 2016, and 2017 surveys. The increased resolution of the 2013 survey reported a methane flux rate of 6,526 MCFD in 2013, approximately 30% less than the 2012 results (Table 3). However, in 2014, using the revised grid spacing, the methane flux rate increased to 11,361 MCFD. In 2016, the total methane flux increased to 18,165 MCFD, an increase of 7.5% from 2015, 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. This was the first decrease observed since the 2013 survey. The lower flux can be attributed to a decrease of 2,607 MCFD measured in Texas Creek to Pine River, a decrease of 311 MCFD in SEC12T35NR8W and a decrease of 238 MCFD in Vosburg Pike.

The mitigation system at SFTC 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

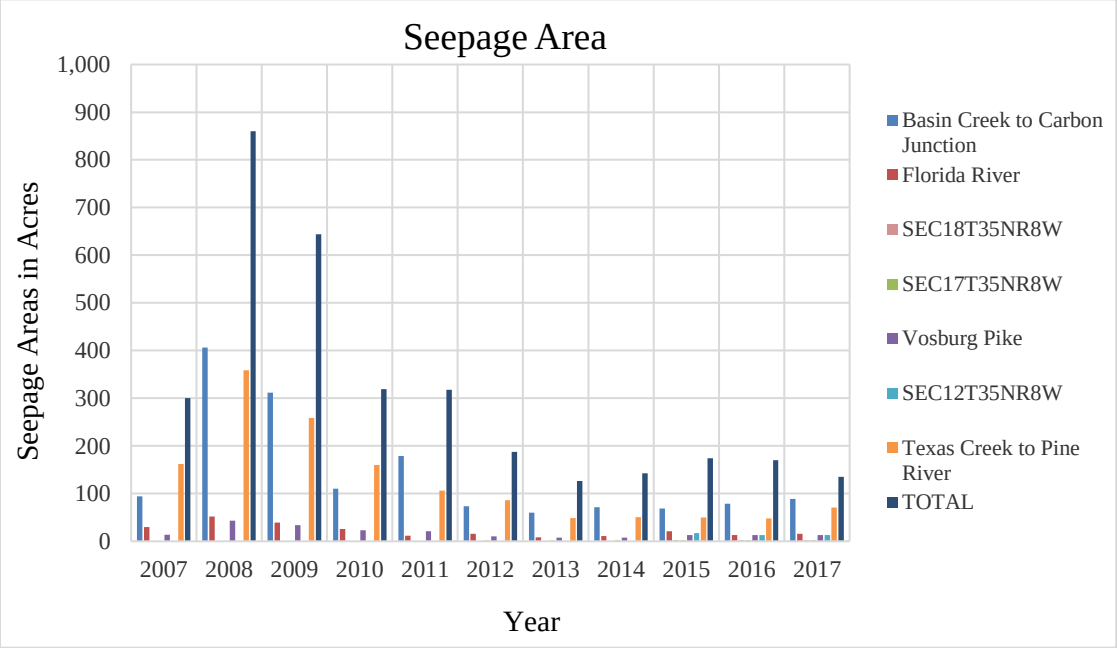
and biased the results high. The additional flux points in the vicinity of the mitigation system in 2013, 2014, 2015, 2016, and 2017 appear to have reduced the bias high effect observed in 2012.

Below is a graphical representation of the change in methane flux over the last 10 years along the entire Kf outcrop by area.



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 2017 was 16,650 MCFD and was the first time since 2013 that a decrease in volumetric flux has been observed from the previous year.

The seepage area from 2008 to 2017 decreased by 76% (see the graph below). When comparing the annual monitoring events from 2009 through 2017, where the mapped area is similar, the seepage area decreased by approximately 68%. Seepage area slightly decreased from 2016 to 2017. 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.



Figures 4, 5, 6, and 7 depict methane seepage extent compared to the survey area from 2007 through 2017. Table 3 summarizes the changes in seepage area extent and the methane flux from 2007 through 2017. In order 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 continued every 3 years.

4.1 FIELD VERIFICATION ACTIVITIES

The 2017 regional reconnaissance effort included IR aerial photography and imagery review for stressed vegetation, followed by field verification with the collection of subsurface methane concentration measurements in identified suspect areas. The 2017 regional reconnaissance included similar IR imagery review and field verification tasks as conducted in 2005, 2008, 2011, and 2014.

This section describes the results of the 2017 IR aerial imagery reconnaissance, imagery review, and field verification activities conducted in La Plata County along the Kf outcrop. Aerial photography was conducted on June 2 and June 6, 2017. LTE conducted the field verification at 10 suspect areas from August 18 to August 21, 2017. A suspect area location map of the aerial images and subsurface methane concentration measurements are illustrated on Figure 8. Subsurface gas measurement data are presented in Appendix D.

4.2 SPECIFIC SUSPECT SEEP AREAS

Of the 10 accessible suspect areas, two suspect areas had subsurface methane gas detected. Collecting methane flux data from suspect areas was not part of the 2017 scope of work. These two seep areas will be included in the 2018 Kf outcrop monitoring event for flux mapping. Below is a description of the two suspect areas.

4.2.1 Suspect Area 9

Suspect Area 9 is located west of the Florida River and north of the Baird 1-25 plugged and abandoned gas well (Figure 8). Dead and stressed vegetation was observed within Suspect Area 9 including trees and vegetation. Subsurface methane was detected at five points ranging from 25,000 parts per million (ppm) to 540,000 ppm.

Suspect Area 9 Photograph – Dead and stressed vegetation visible in areas with methane subsurface gas detection points.

4.2.2 Suspect Area 10

Suspect Area 10 is located east of Suspect Area 9 west of the Florida River and north of Baird 1-25 plugged and abandoned gas well (Figure 8). Dead and stressed vegetation was observed within Suspect Area 10 including trees and vegetation. Subsurface methane was detected at four points ranging from 2,500 ppm to 640,000 ppm.

Suspect Area 10 Photograph – Dead and stressed vegetation in the vicinity of the methane subsurface gas detection points.

5.0 NATURAL SPRINGS MONITORING

A total of twelve natural springs have been previously identified on the Kf outcrop in La Plata County north of the SUIT boundary. Three of the twelve natural springs (Wilbourn Spring #1, Wilbourn Spring #2, and Wilbourn Spring #6) were removed from the natural springs monitoring in 2016 due to lack of access or continual lack of water in the spring time from year to year. Of the remaining nine springs, three were sampled during the 2017 sampling event. While property access was denied for three natural springs, two natural spring had no flow to sample, and one was dry at the time of sampling.

The locations of natural springs are depicted on Figure 8. A summary of natural springs sampled in 2017, along with past natural springs sampling status, is presented in Table 4.

5.1 FIELD OBSERVATIONS

Discharge rates and field parameters were measured at three natural springs (Darwin Rather Spring #1, Hoier Spring, and Animas River Spring), which were sampled in May 2017. The 2017 field observations and measurements for the natural springs, including historical measurements, are summarized in Table 5.

5.2 NATURAL SPRINGS SAMPLING AND ANALYSIS

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 2017 natural springs sampling, dissolved methane was detected in spring water sampled from the Animas River Spring, Darwin Rather Spring #1, and the Hoier Spring. The Hoier Spring had dissolved methane at a concentration of 0.0314 mg/L. Dissolved methane was previously detected in the Hoier Spring in 2006, 2013, 2015, and 2016. Isotopic analysis has not been performed because concentrations of dissolved methane in the spring have not exceeded the COGCC 2 mg/L threshold necessary for further investigation. The Animas River Spring had a dissolved methane concentration of 0.0042 mg/L and the Darwin Rather Spring #1 had a dissolved methane concentration of 0.0010 mg/L. Both of these concentrations are very low and do not exceed the COGCC 2 mg/L threshold necessary for further investigation.

Based on the water chemistry of the three natural springs in 2017, the waters are calcium carbonate in make up for the Darwin Rather Spring #1 and the Hoier Spring, and the water make-up of the Animas Spring is magnesium sulfate. Figure 9 depicts the tri-linear diagrams and Stiff diagrams for the three springs sampled. 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. Analytical reports are presented in Appendix E.

5.3 SUBSURFACE SOIL GAS MEASUREMENTS

During the May 2017 natural springs sampling event, one subsurface soil gas measurement was collected at each of the three sampled natural springs using traditional subsurface soil gas sampling techniques and the multi-gas meter. Subsurface methane was not detected in any of the subsurface soil gas probes at the natural springs. Methane in the subsurface has historically been documented in the vicinity of the Gun Club Spring, which was dry in 2017.

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). Federal 34-1/2-34-1 was surveyed on June 22, 2017, Baird 1-25 was surveyed on June 22, 2017, and Pole Barn Monitor Well #1 was surveyed on June 27, 2017. Monitoring was conducted at the request of the COGCC to determine whether methane seepage exists within the vicinity of these 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. However, 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, 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 MCD. The largest decrease in methane flux from 2016 to 2017 was observed in the SFTC to Pine River mapping area where methane flux dropped by 2,607 MCFD.

The mitigation systems at SFTC and Pine River appear to have an effect on the methane flux results for those areas. While the mitigation systems do 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 systems have 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 bias the results high. 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, 2014, 2015, 2016, and 2017 reduced the bias high affect observed in 2012.

The seepage area from 2008 to 2017 decreased by 76%. When comparing the 2017 monitoring event to the 2009 monitoring event, where the mappable area is similar, the seepage area decreased by approximately 68% in 2017. 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.

With the presence of subsurface methane gas identified in two locations during field verification activities associated with the regional reconnaissance survey, these areas have the potential to add to the total volumetric methane flux and total seepage area in the future.

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

7.2 RECOMMENDATIONS

Based on the results of the 2017 Kf outcrop monitoring event, LTE recommends continuation of the following to meet the COGCC orders:

- Conduct detailed methane seep mapping and flux estimation using the portable flux meter in June 2018. LTE will return to the sample locations visited during the 2017 field activities to observe changes in subsurface methane over time and space. Grid spacing will be revised based on the 2017 results; and
- Add the seeps discovered during the 2017 regional reconnaissance to the 2018 detailed seep mapping.

Based on the results of the 2017 and previous year's Kf outcrop monitoring events, LTE recommends the following changes.

- Reduce the frequency of the natural springs sampling 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 sampling event will occur in 2020 and would then continue in 3-year intervals; 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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----- 2011a. *2010 Fruitland Outcrop Monitoring Report, La Plata County, Colorado.* February 2011.

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

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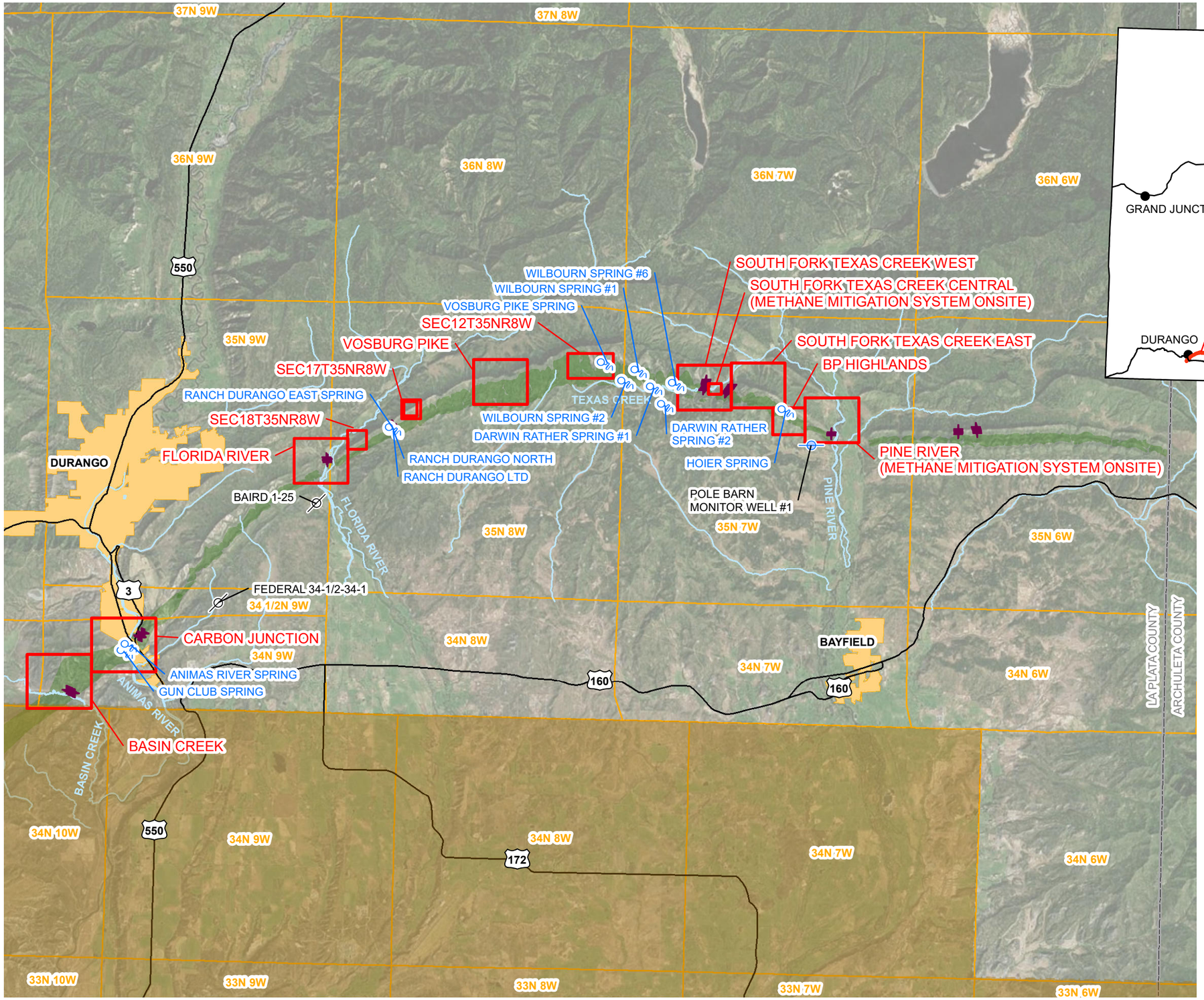
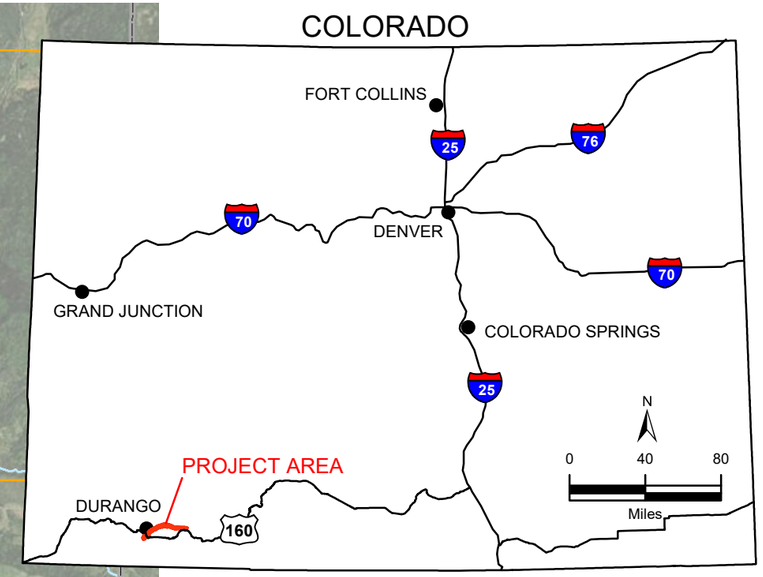
FIGURES





LEGEND

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

GEOLOGY

- FRUITLAND FORMATION (Kf) - COLORADO GEOLOGICAL SURVEY

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

0 2 4
Miles

N

FIGURE 1
PROJECT AREA MAP
2017 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2017\2017_FIG 01 PROJ AREA.mxd

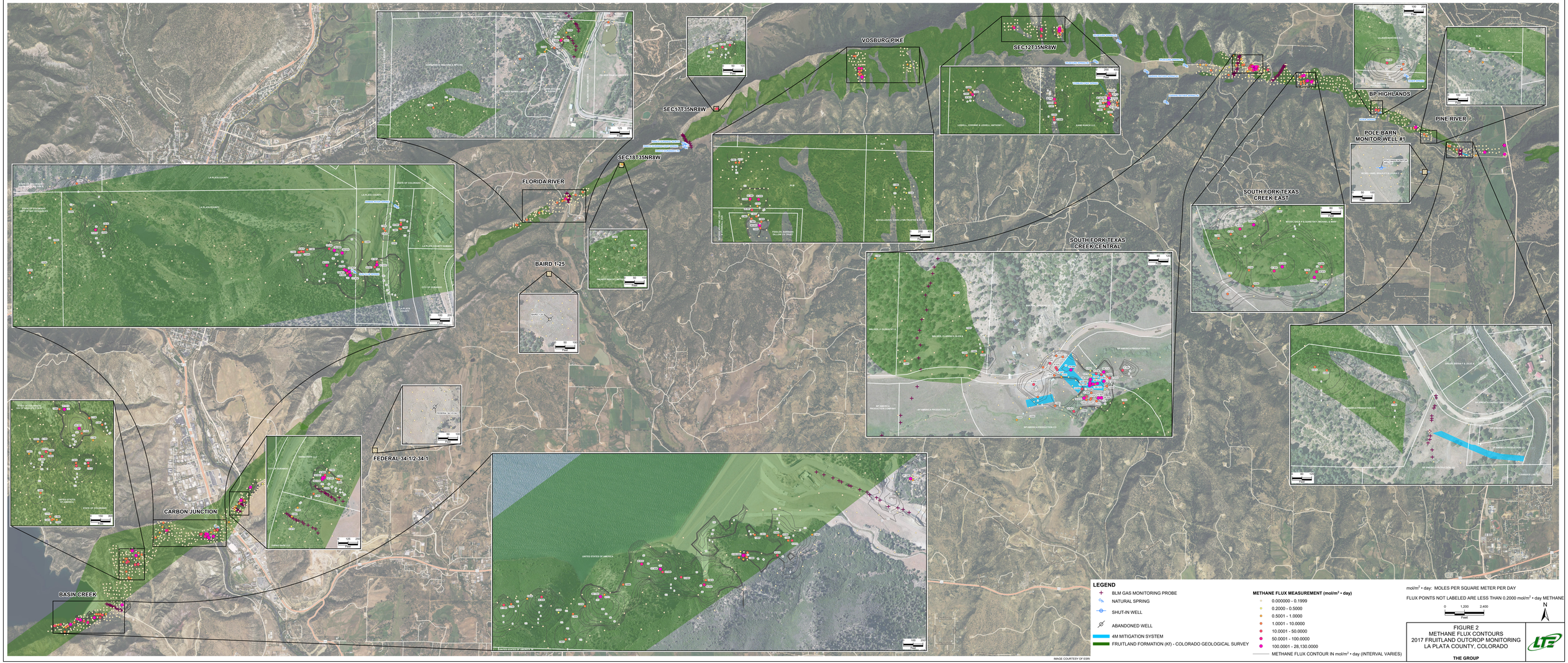
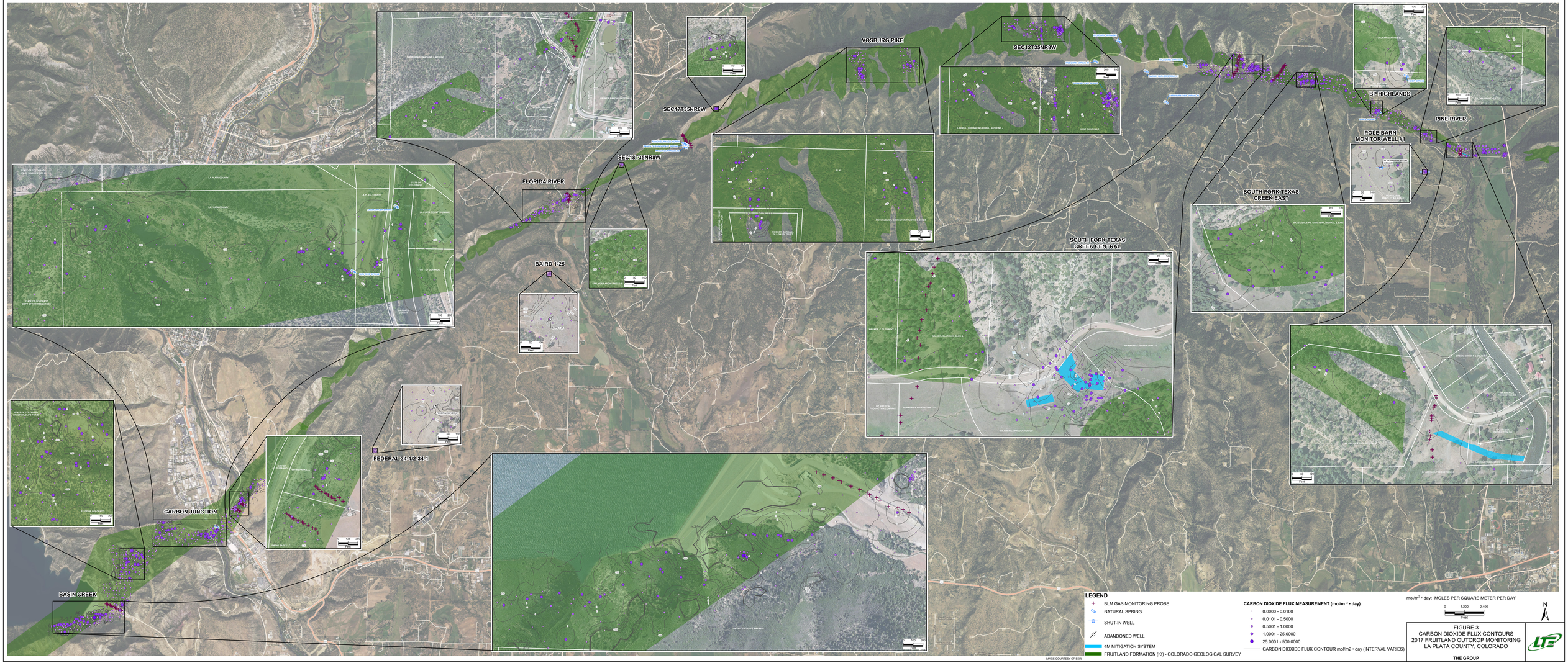
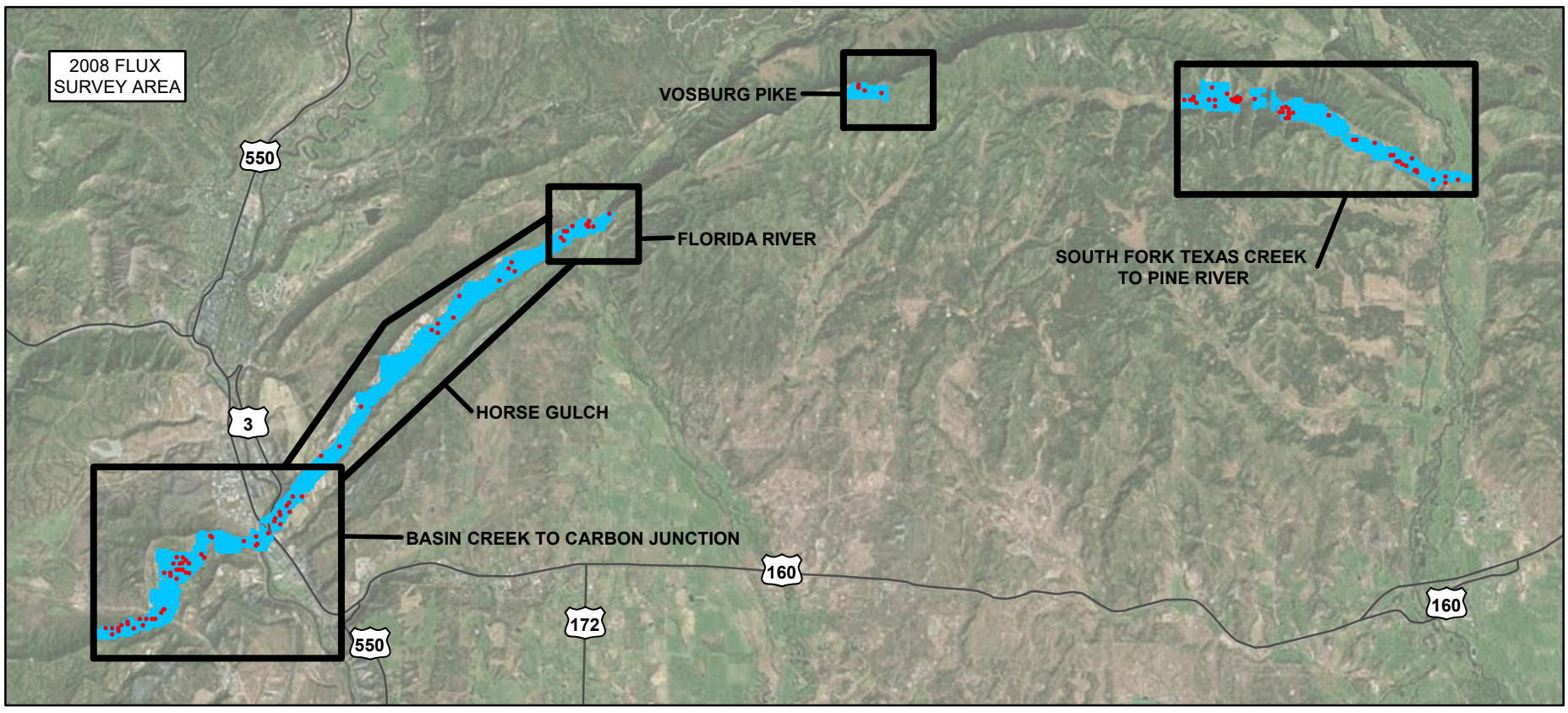
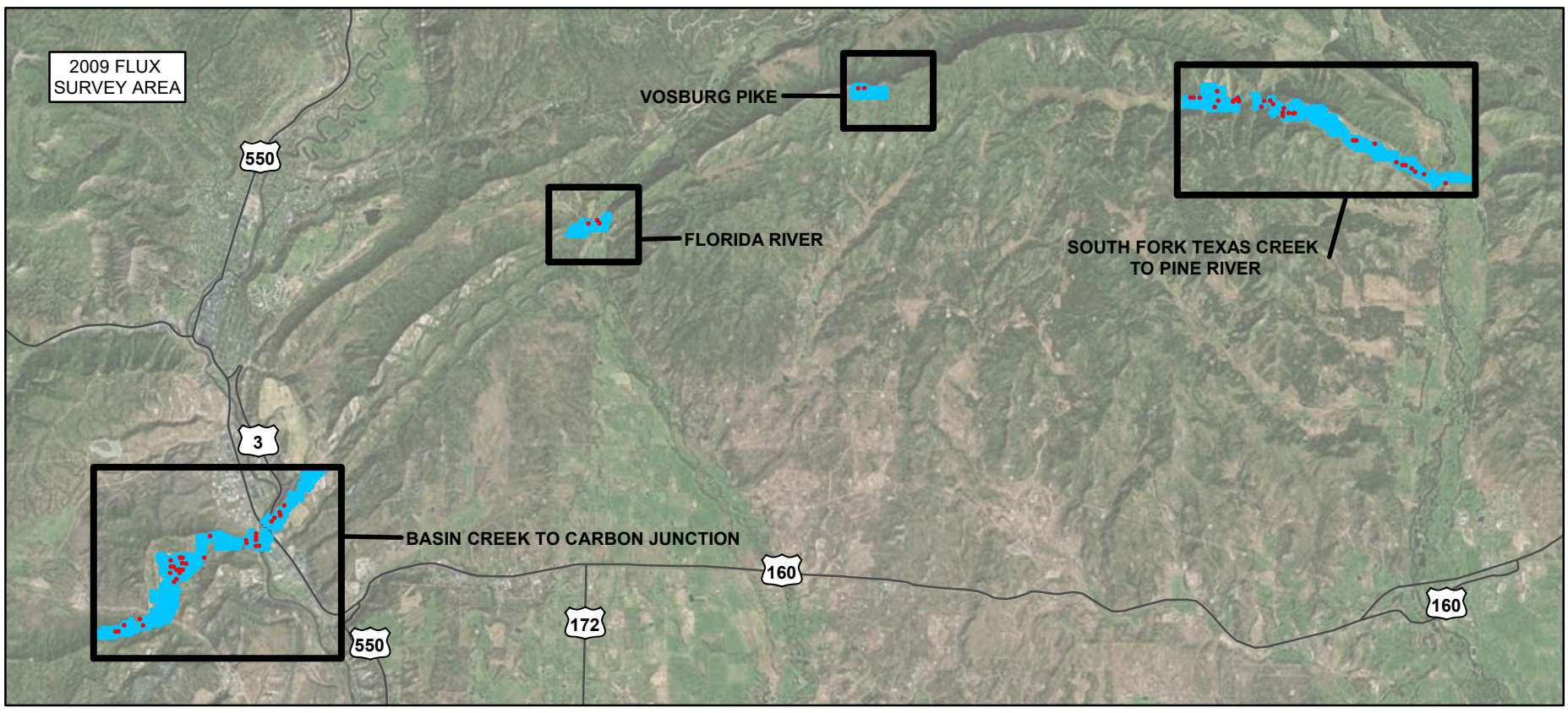


FIGURE 2
METHANE FLUX CONTOURS
2017 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP


VOSBURG PIKE
SEC12T35NR8W
SEC17T35NR8W
SEC18T35NR8W
FLORIDA RIVER
BAIRD 1-25
FEDERAL 34-1/2-34-1
CARBON JUNCTION
BASIN CREEK
BP HIGHLANDS
PINE RIVER
POLE BARN MONITOR WELL #1
SOUTH FORK TEXAS CREEK EAST
SOUTH FORK TEXAS CREEK CENTRAL
LEGEND
BLM GAS MONITORING PROBE
NATURAL SPRING
SHUT-IN WELL
ABANDONED WELL
4M MITIGATION SYSTEM
FRUITLAND FORMATION (Kf) - COLORADO GEOLOGICAL SURVEY
CARBON DIOXIDE FLUX MEASUREMENT (mol/m 2 • day)
0.0000 - 0.0100
0.0101 - 0.5000
0.5001 - 1.0000
1.0001 - 25.0000
25.0001 - 500.0000
CARBON DIOXIDE FLUX CONTOUR mol/m2 • day (INTERVAL VARIES)
mol/m 2 • day: MOLES PER SQUARE METER PER DAY
0
1,200
2,400
Feet
N
IMAGE COURTESY OF ESRI
FIGURE 3
CARBON DIOXIDE FLUX CONTOURS
2017 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





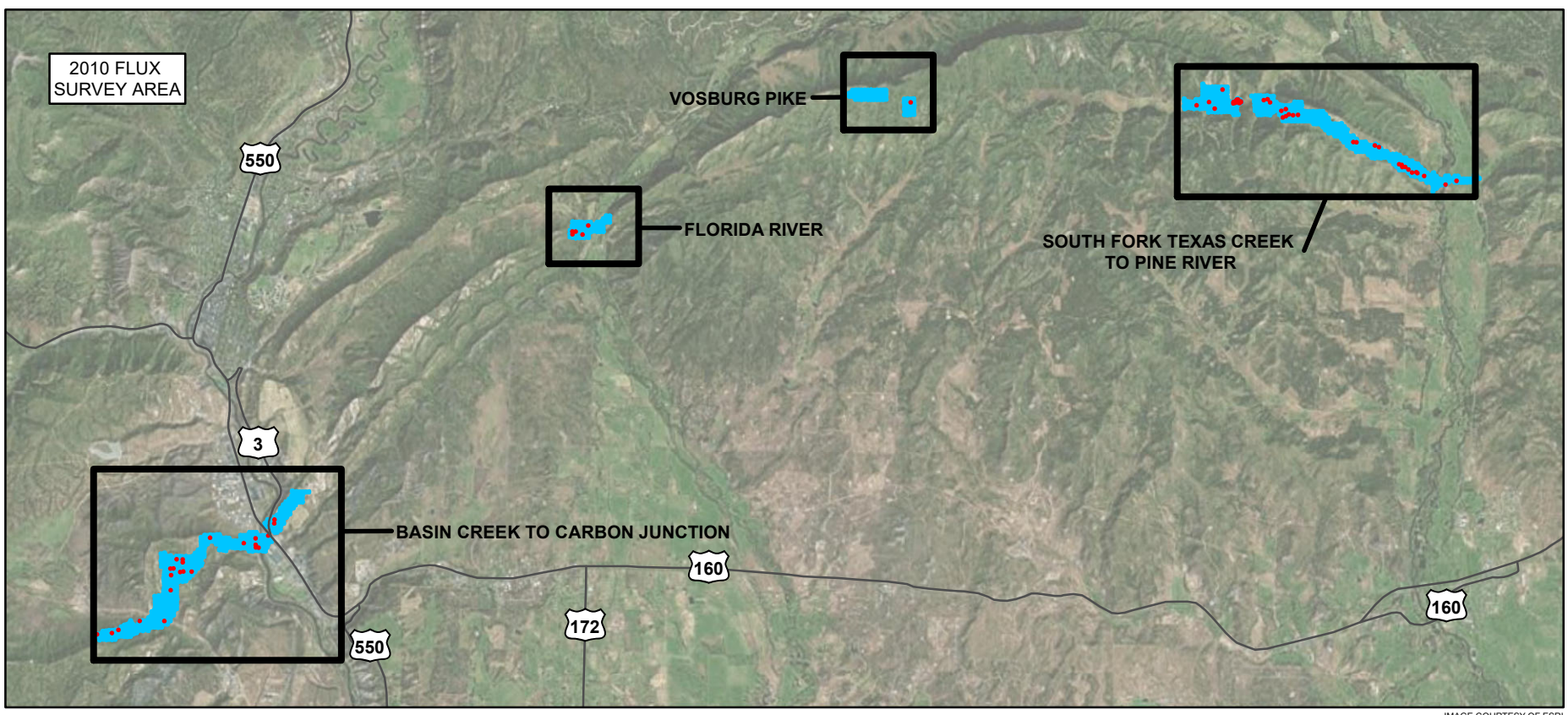


IMAGE COURTESY OF ESRI

LEGEND

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

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

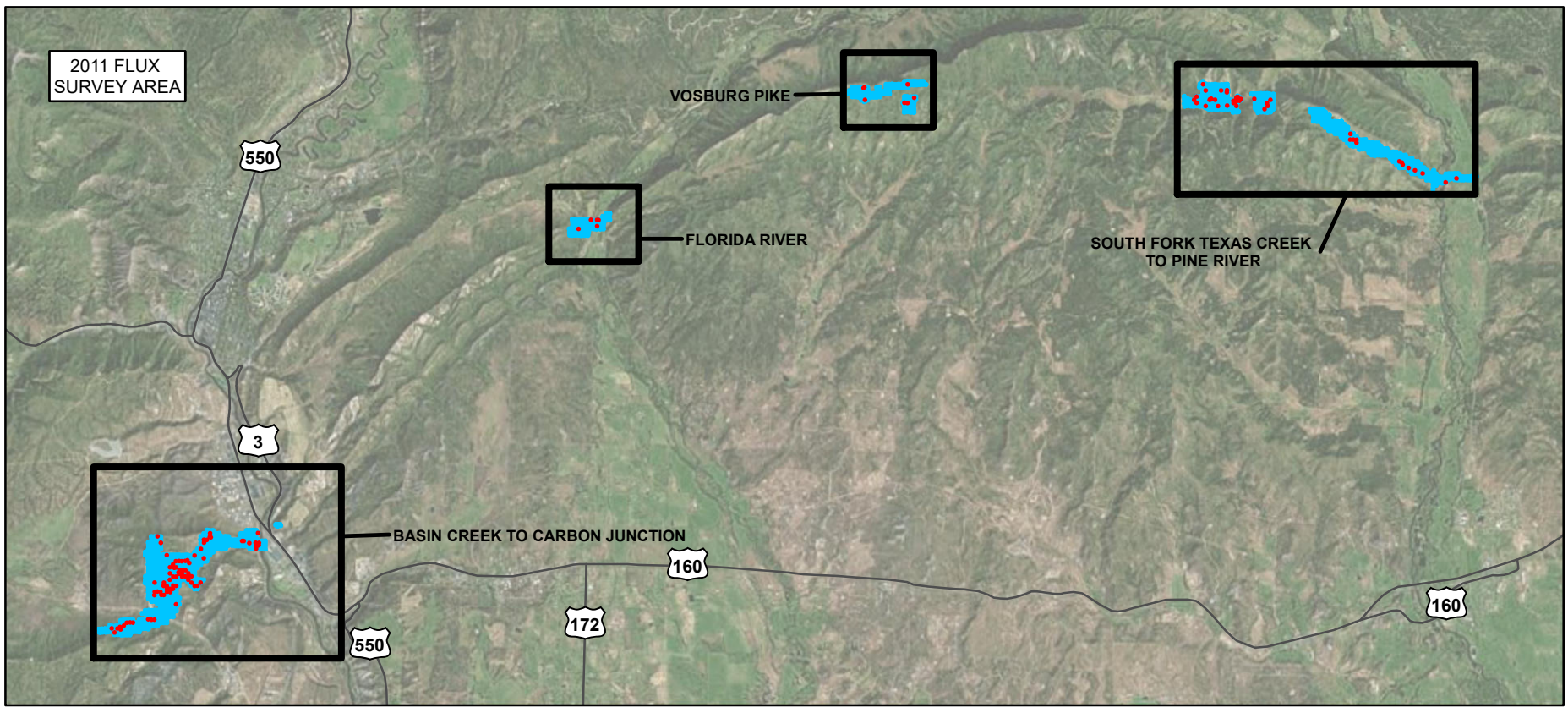
0 2 4
Miles

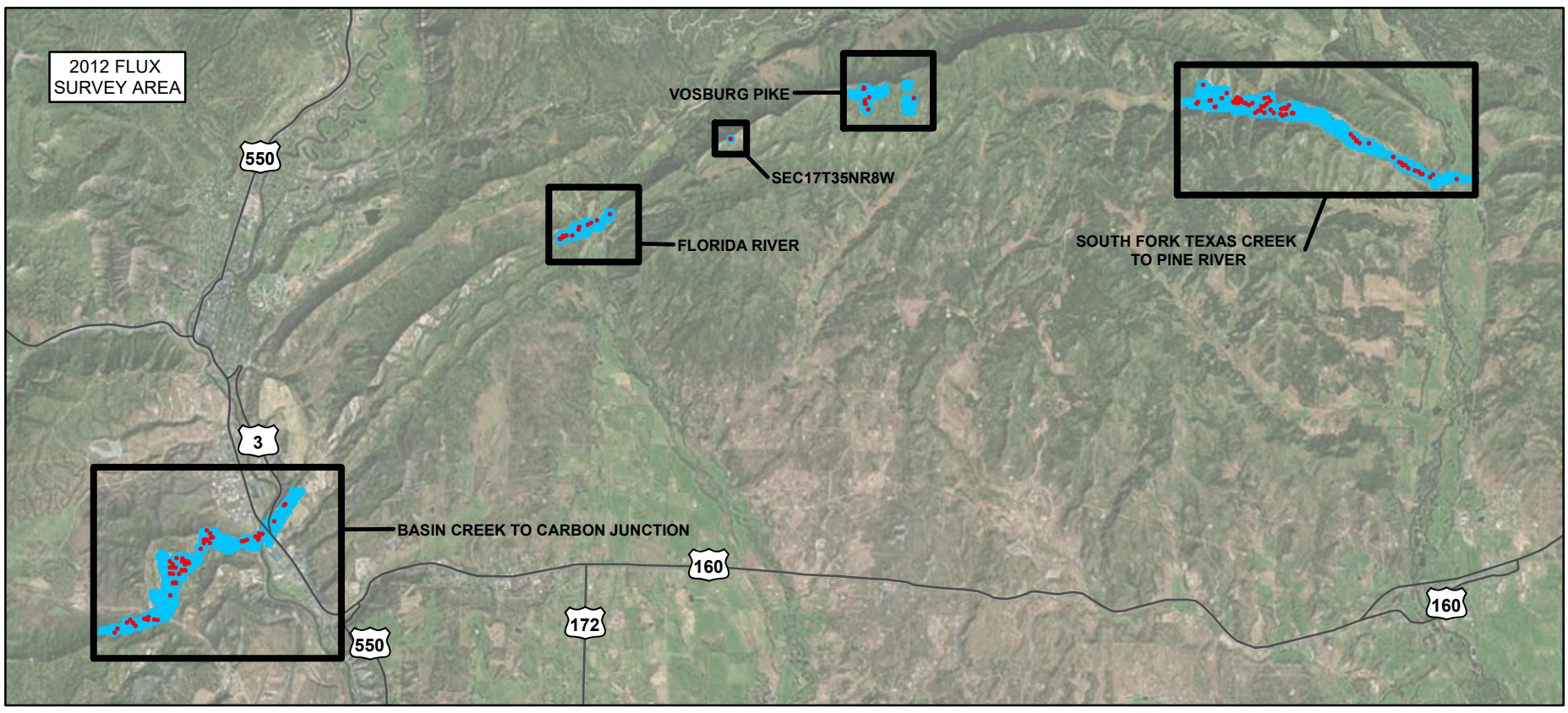
N

FIGURE 4
METHANE FLUX COMPARISON 2008-2010
2017 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2017\2017_LAPLATA_FIG 04 CH4 COMP 2008-2010.mxd





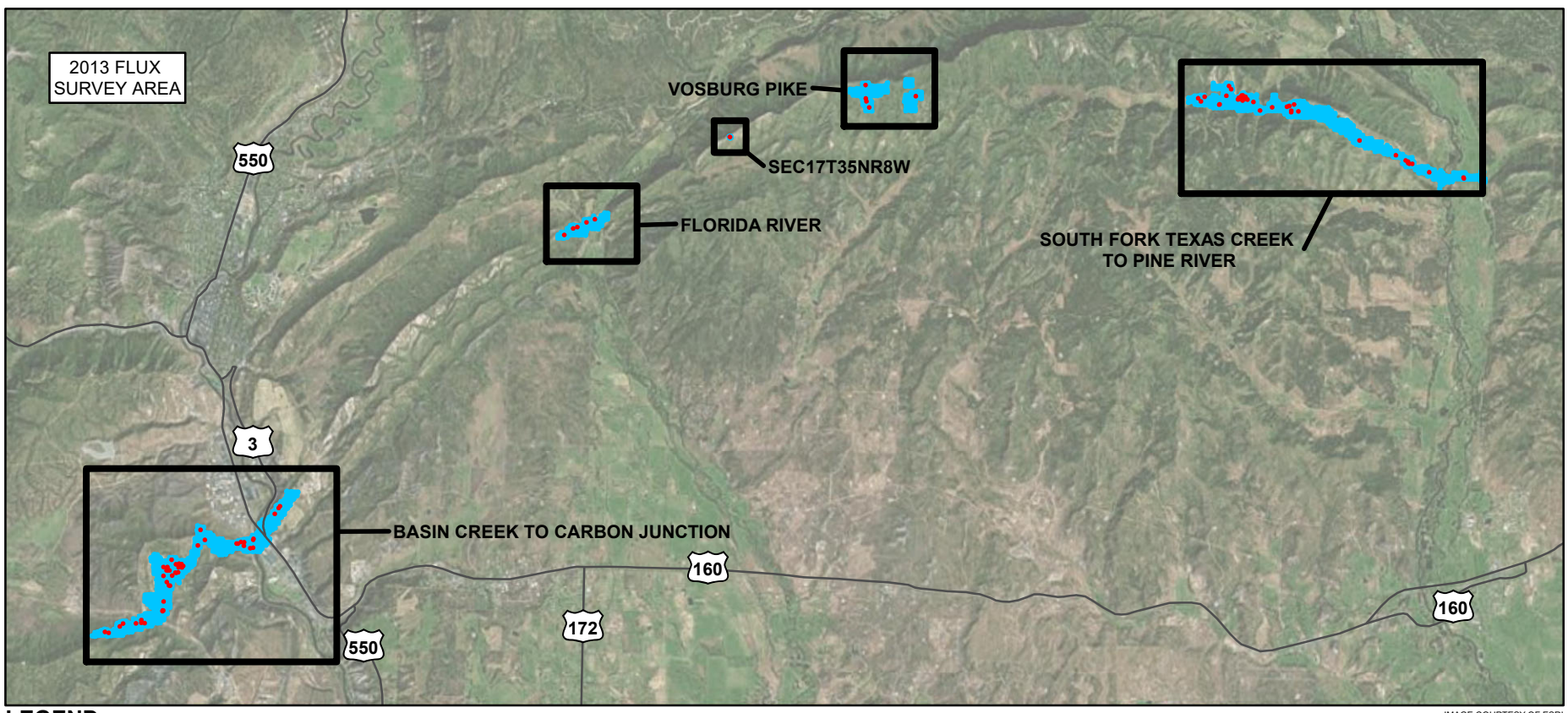


IMAGE COURTESY OF ESRI

LEGEND

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

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

0 2 4
Miles

N

FIGURE 5
METHANE FLUX COMPARISON 2011-2013
2017 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2017\2017_LAPLATA_FIG 05 CH4 COMP 2011-2013.mxd

2014 FLUX SURVEY AREA

VOSBURG PIKE

SEC17T35NR8W

FLORIDA RIVER

SOUTH FORK TEXAS CREEK TO PINE RIVER

BASIN CREEK TO CARBON JUNCTION

550

3

160

172

2015 FLUX SURVEY AREA

SEC12T35NR8W

SEC18T35NR8W

IMAGE COURTESY OF ESRI

LEGEND

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

SEE FIGURE 7 FOR 2016 & 2017 METHANE FLUX COMPARISON

0 2 4 Miles

N

FIGURE 6
METHANE FLUX COMPARISON 2014-2015
2017 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2017\2017_LAPLATA_FIG 06 CH4 COMP 2014-2015.mxd

2016 FLUX SURVEY AREA

SEC12T35NR8W

VOSBURG PIKE

SEC18T35NR8W

SEC17T35NR8W

FLORIDA RIVER

SOUTH FORK TEXAS CREEK TO PINE RIVER

BASIN CREEK TO CARBON JUNCTION

550

3

160

172

2017 FLUX SURVEY AREA

SEC12T35NR8W

VOSBURG PIKE

SEC18T35NR8W

SEC17T35NR8W

FLORIDA RIVER

SOUTH FORK TEXAS CREEK TO PINE RIVER

BASIN CREEK TO CARBON JUNCTION

550

3

160

172

IMAGE COURTESY OF ESRI

LEGEND

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

0 2 4

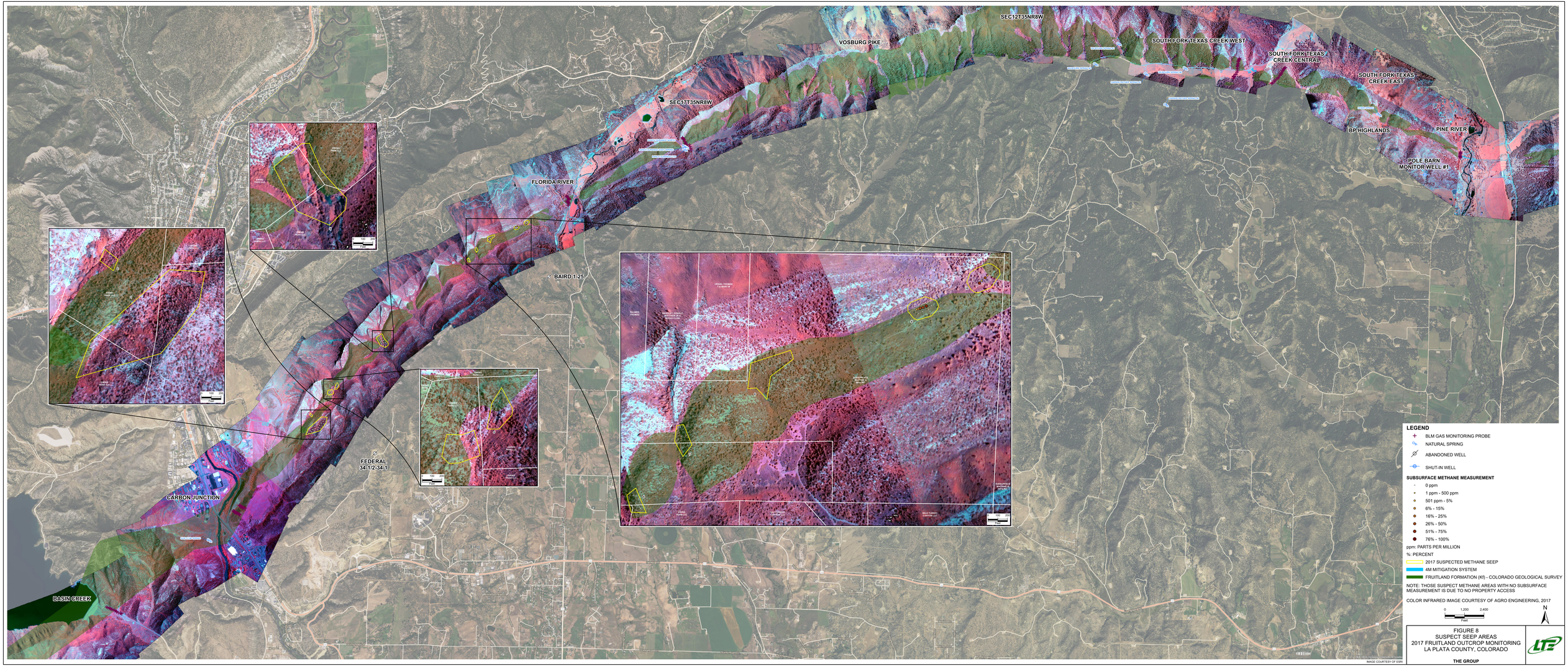
Miles

N

FIGURE 7
METHANE FLUX COMPARISON 2016-2017
2017 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2017\2017_LAPLATA_FIG 07 CH4 COMP 2016-2017.mxd



LEGEND

- BLM GAS MONITORING PROBE
- NATURAL SPRING
- ABANDONED WELL
- SHUT-IN WELL

SUBSURFACE METHANE MEASUREMENT

- 0 ppm
- 1 ppm - 500 ppm
- 501 ppm - 5%
- 6% - 15%
- 16% - 25%
- 26% - 50%
- 51% - 75%
- 76% - 100%

ppm: PARTS PER MILLION

%: PERCENT

- 2017 SUSPECTED METHANE SEEP
- 4M MITIGATION SYSTEM
- FRUITLAND FORMATION (Kf) - COLORADO GEOLOGICAL SURVEY

NOTE: THOSE SUSPECT METHANE AREAS WITH NO SUBSURFACE MEASUREMENT IS DUE TO NO PROPERTY ACCESS

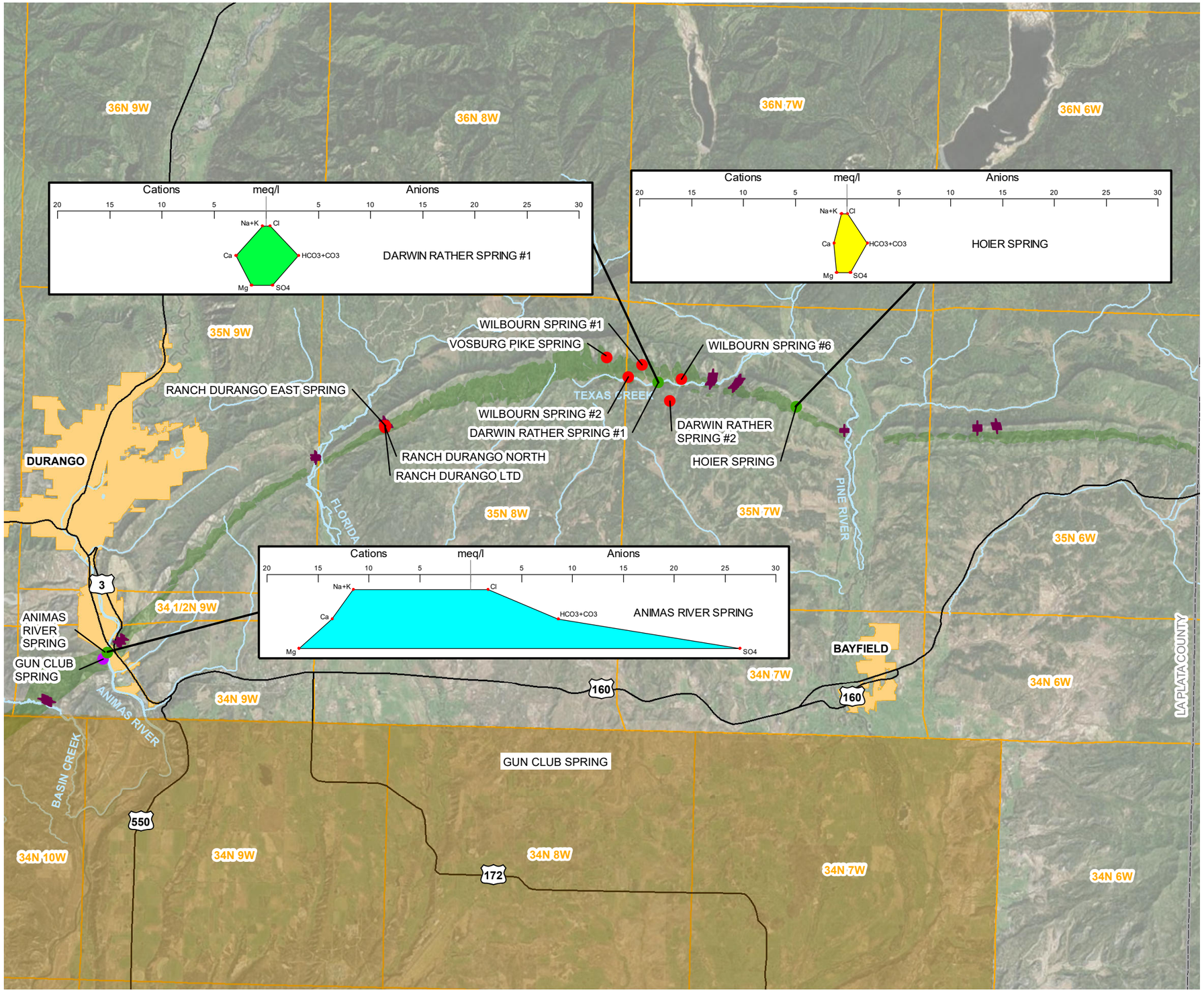
COLOR INFRARED IMAGE COURTESY OF AGRO ENGINEERING, 2017

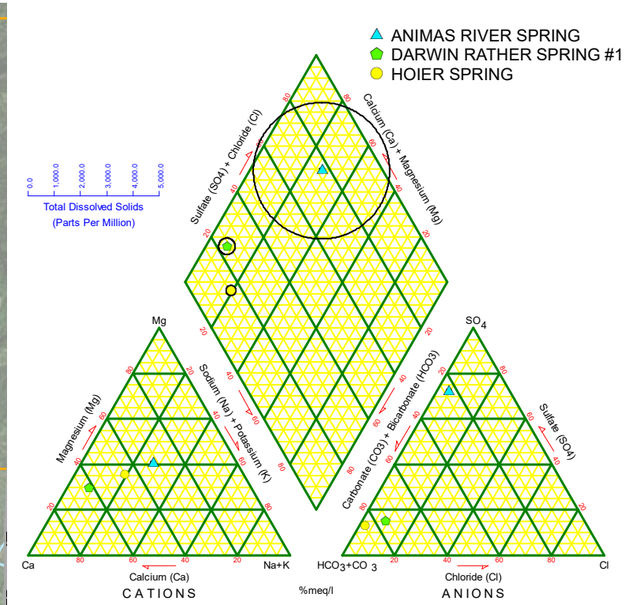
0 1,200 2,400
Feet

N

FIGURE 8
SUSPECT SEEP AREAS
2017 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

IMAGE COURTESY OF ESRI

0 2 4
Miles

N

FIGURE 9
NATURAL SPRINGS
2017 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2017\2017_LAPLATA_FIG 09 NATURAL SPRINGS.mxd

TABLES

TABLE 1
PROPERTY ACCESS STATUS
2017 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

PARCEL NUMBER(S)	LANDOWNER NAME	CITY, STATE ZIPCODE
567110300889	BARBARA DILLOW TRUST	DURANGO, CO 81301
567515200183, 567514300017, 567514201016, 567514201008, 567514201007, 567514201004, 567509300144, 567508400263, 567508400193, 567508400169, 567508400192	BP AMERICA PRODUCTION CO	DURANGO, CO 81301
567514300014	BRADLEY & LAURA C MCWILLIAMS	HOUSTON, TX 77024
567514201018	BRYAN F & JULIE A GREEN	RIO RANCHO, NM 87144
567508100113, 567508100165	GLEN & IVY WALKER	BAYFIELD, CO 81122
566905400803, 566905100808, 566904200021	CITY OF DURANGO	DURANGO, CO 81301
567111100803, 567101300802	CORINNE & ANTHONY J LIDDELL	RIDGWAY, CO 81432
567507400270	DARWIN R & MAXINE J RATHER	BASALT, CO 81621
566907100035, 566905100003, 566731100023, 566731100023, 566905300033	DEPARTMENT OF NATURAL RESOURCES; DIVISION OF WILDLIFE	DENVER, CO 80216
567509100178	EVERITT-ROBERTS LLC	LAKE JACKSON, TX 77566
566904200809, 566904200068, 566904200067	EWING PARK LLC	DURANGO, CO 81301
566525100135	JOE L BUSBY	DURANGO, CO 81301
567112100261	KANE RANCH LLC	DURANGO, CO 81301
567110300856	KRISTIN & CRANDALL BETKER	DURANGO, CO 81301
566905400810, 566905300811, 566905200031	LA PLATA COUNTY	DURANGO, CO 81301
566905400024	LA PLATA COUNTY HUMANE SOCIETY	DURANGO, CO 81301
567118300800	MACHO FAMILY TRUST	DURANGO, CO 81301
567119200898, 567118400806, 566524400831	PALMER RANCH LIMITED II	DURANGO, CO 81301
567508300307	PHILIP JAMES & LUCY T BRYSON	BAYFIELD, CO 81122
567514100015, 567514100002	REMMOW LAND CO LIMITED PARTNERSHIP	BAYFIELD, CO 81122
567509200375	RONALD C & DARLENE A FINCHER	BAYFIELD, CO 81122
567111300824	SHERI LYNN MCCULLOUGH	TEMPE, AZ 85283
566524400813, 566524300812	SUBSURFACE MACHINE & MFG INC	DURANGO, CO 81301
567510400009, 567509400065	ULLMAN RANCHES LLC	VALENCIA, CA 91355
566524100054	WILLIAM & SHERRY LOEHR	OJAI, CA 93023
567508300309, 567508300308	WILLIAM T H & ELIZABETH C TULLOCH	RAMONA, CA 92065
567508200327	BECKY JO HITCHCOCK & DIANA M WILKENING	BAYFIELD, CO 81122
566301200180	BUREAU OF RECLAMATION	DURANGO, CO 81301
567508100168	GREGORY R SARAFIN	DURANGO, CO 81302
567507300278	MICHAEL J DEWITT	BAYFIELD, CO 81122
567514201042	NEW AGE CORPORATION	BAYFIELD, CO 81122
594721100030	TRUST FOR SOUTHERN UTE TRIBE	IGNACIO, CO 81137
567515100018, 567510300070, 567111200305, 567111200305, 567109300185, 566734400007	BUREAU OF LAND MANAGMENT	LAKEWOOD, CO 80215
567509300188, 567509400231	DALE P GORETSKI, MICHAEL & MARI MASSY	WATERFORD, MI 48327
567507200277	JEFFERY S & NANCY C MITCHELL	FARMINGTON, NM 87401
567514201009	JOEL L BRAME	WILDWOOD, MO 63005
567119200197	STEPHAN TURNER	DURANGO, CO 81301
567117301006	THOMAS R VILLELLI	COEUR D'ALENE, ID 83815
566524200126	THOMAS T & MARY M ORSINI	DURANGO, CO 81301
567514400008	YIANNAKIS LINE LLC	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
2017 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	574	72	4,444	544	26
Florida River	114	11	15	112	3
SEC18T35NR8W	19	1	1	19	1
SEC17T35NR8W	13	3	34	13	9
Vosburg Pike	83	11	183	83	9
SEC12T35NR8W	118	24	19,405	115	32
Texas Creek to Pine River	570	65	3,130	562	6
Total	**1,491**	**187**	**----------**	**1,448**	**----------**

Notes:

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

CH_4 - Methane

CO_2 - Carbon dioxide

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

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

TABLE 3
HISTORICAL METHANE AND CARBON DIOXIDE FLUX COMPARISON
2017 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

	Methane																					
	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017	
Mapping Area	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)
Basin Creek to Carbon Junction	94	641	406	967	312	760	110	293	179	860	73	1,904	60	2,310	72	4,794	69	5,827	79	7,498	89	9,146
Florida River	30	131	52	27	39	622	26	154	12	45	16	119	8	373	11	529	21	801	13	89	16	86
SEC18T35NR8W	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1	2	0.24	2	0.17
SEC17T35NR8W	---	---	---	---	---	---	---	---	---	---	2	49	2	9	2	0.43	2	75	2	9	2	5
Vosburg Pike	14	2	43	11	34	15	23	1	21	115	11	598	8	29	8	147	13	234	13	892	13	654
SEC12T35NR8W	---	---	---	---	---	---	---	---	---	---	---	---	NM	NM	NM	NM	17	4,114	13	4,090	13	3,779
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
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**

	Carbon Dioxide																					
	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017	
Mapping Area	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)
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
Florida River	48	68	61	73	55	119	61	90	67	126	84	197	68	72	66	149	86	263	86	173	88	127
SEC18T35NR8W	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4	1	5	2.0	5	1.5
SEC17T35NR8W	---	---	---	---	---	---	---	---	---	---	5	15	3	4	4	3	4	25	4	3.6	4	3.2
Vosburg Pike	28	44	55	52	41	56	74	132	106	193	103	155	105	106	70	208	74	471	74	224	73	189
SEC12T35NR8W	---	---	---	---	---	---	---	---	---	---	---	---	NM	NM	NM	NM	70	306	73	199	72	241
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
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**

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
2017 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

	2005	2006	2007	2008		2009		2010	2011	2012	2013	2014	2015	2016	2017
Natural Spring	**September**	**May**	**October**	**June**	**November**	**May**	**October**	**June**	**May**	**May**	**May/June**	**May**	**May/June**	**May/June**	**May**
Animas River Spring	--	--	--	--	--	--	--	--	--	--	--	--	Sampled	Sampled	Sampled
Darwin Rather Spring #1	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled
Darwin Rather Spring #2	Sampled	Sampled	Not Sampled	Sampled	Sampled	Sampled	Dry	Sampled	Sampled	Sampled	Dry	No Access	Dry	No Flow	No Flow
Hoier Spring	Not Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Dry	Not Sampled	Not Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled
Gun Club Spring	--	--	--	--	--	--	--	--	--	--	Sampled	Sampled	Sampled	No Flow	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
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
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
Vosburg Pike Spring	--	--	--	--	--	--	--	--	--	--	--	--	No Flow	No Flow	No Flow

Note:

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

TABLE 5
NATURAL SPRINGS FIELD MEASUREMENTS
2017 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
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	205.4	--	0
Darwin Rather Spring #2	9/17/2005	14.4	7.50	271.4	178.3	45	<0.25	--
	5/24/2006	13.0	7.69	344	222.9	-62	<1.0	--
	10/8/2007	Dry - Not Measured						--
	6/26/2008	18	7.31	261.4	180.5	76	0.63	0
	10/15/2008	10.9	6.9	289	188	3	0.25	0
	5/12/2009	10.5	7.43	270	--	--	1.80	0
	10/6/2009	Dry - Not Measured						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
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
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	No Access - Not Measured						
	6/16/2017	Dry - Not Measured						

TABLE 5
NATURAL SPRINGS FIELD MEASUREMENTS
2017 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)
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						
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						
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						
Vosburg Pike Spring	7/17/2015	No Flow - Not Measured						0
	5/20/2016	No Flow - Not Measured						
	5/5/2017	No Flow - Not Measured						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
2017 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
	September	May	October	June	October	May	October	June	May	May	May/June	May/June	May/June	May/June	May
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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

mg/L - milligrams per liter

< - less than the stated laboratory method detection limit

-- denotes not sampled

TABLE 7
NATURAL SPRINGS MAJOR IONS CONCENTRATIONS
2017 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
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
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
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
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
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
	5/5/2017	Not Sampled				Not Sampled				Not Sampled

TABLE 7
NATURAL SPRINGS MAJOR IONS CONCENTRATIONS
2017 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)	
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
	5/5/2017	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
	5/5/2017	Not Sampled				Not Sampled				Not Sampled
Vosburg Pike 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

Notes:

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

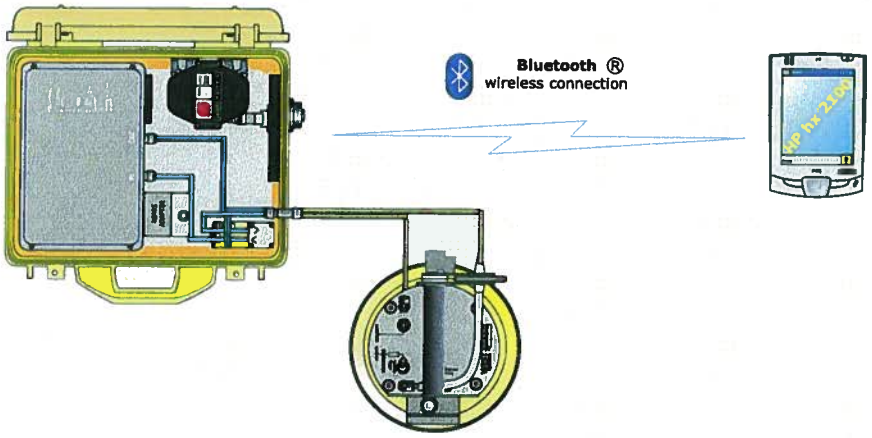
APPENDIX A

EQUIPMENT SPECIFICATIONS

WEST Systems portable soil flux meter

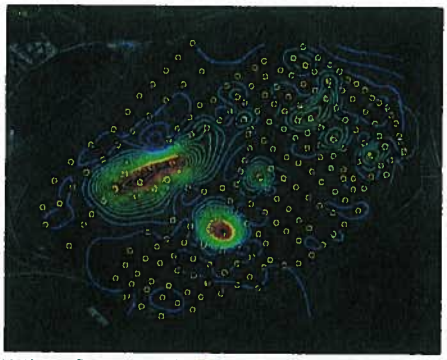
for Carbon dioxide, Methane and Hydrogen sulfide fluxes

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



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

Portable fluxmeter



Methane flux contour linees

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

Courtesy of United States Geological Survey

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Portable soil flux meter

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

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

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

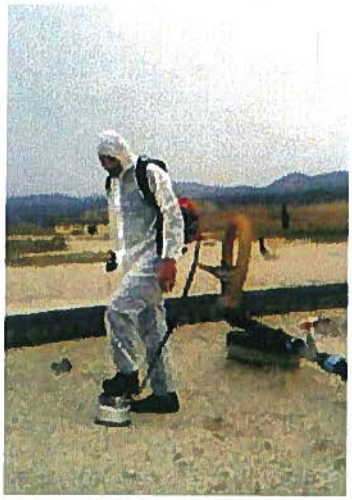
Palm top computer: PocketPC Color Display based on Windows Mobile operating system.
- PalmTop with cables, 0.3 Kg/0.7 lbs.
- Size 125mm (4.8") x 82mm (3.2") * 25 mm (1").

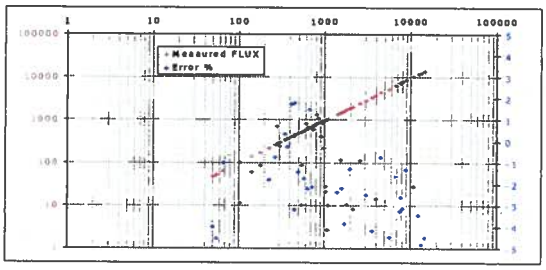
Software The instrument is supplied with a custom software, FluxManager, which allows recording and visualization of the increase in concentration of the target gas in the accumulation chamber, and then the flux calculations. The obtained measurements can be saved on the palmtop computer and then transferred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

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

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

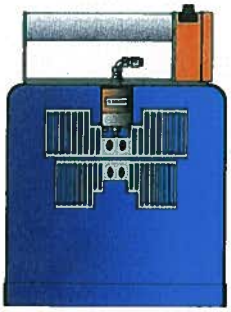
Finally we improved the connection between the instrument and the palmtop that now is based on BlueTooth wireless embedded device.





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

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



Accumulation Chamber Type B

The accumulation chambers

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

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

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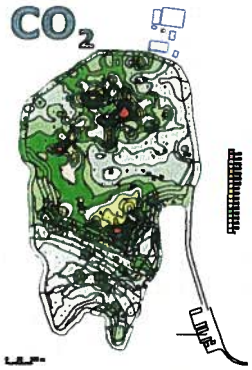


CO_2 - LI820

LI820 based Carbon dioxide fluxmeter

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

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

The accuracy depends on the measured flux:

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

WS-DRAGER CO_2

WS-DRAGER: CO_2 Flux measurement:

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

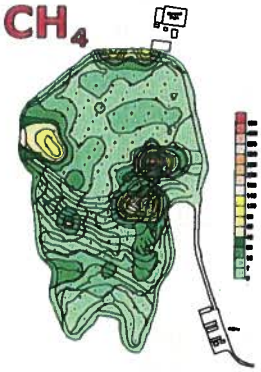
The precision depends on the measured flux:

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

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

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

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



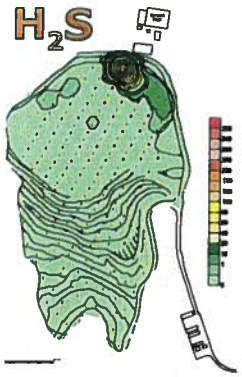
WS-HC CH^4

Methane fluxmeter

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

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

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



H_2S - WEST

Hydrogen sulfide

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

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

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

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

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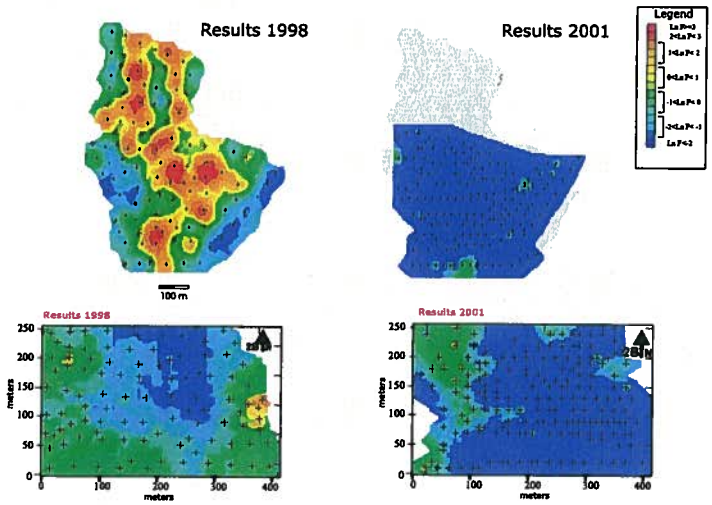
Application on a landfill: mapping the biogas non controlled emissions.

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



The obtained results:

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

Continuous soil flux monitoring

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

Local sales representative

H.Q.

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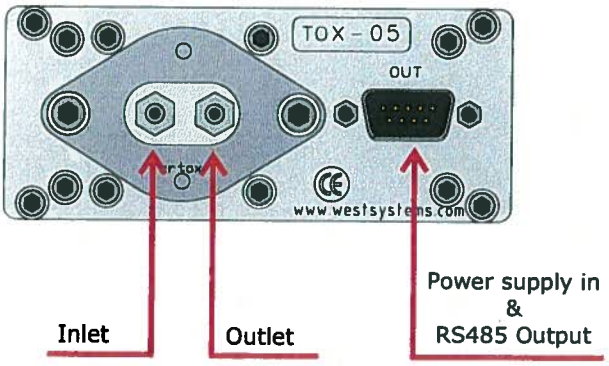
Hydrogen Sulfide Detector



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

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

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

The chemical cell reaction is:

$$H_2S + 2O_2 = H_2SO_4$$

the gas sample specific consuption is very low:

2.5×10^{-10} moles/Sec per ppm

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

Appendix M

WS-HC detector

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

Detector specifications:

Accuracy 5%

Repeatibility 2%

Resolution 22 ppm (Methane equivalent)

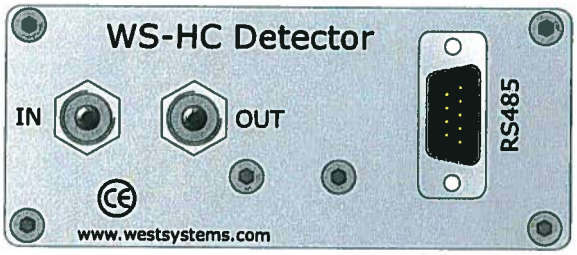
Full scale range is 50000 ppm of methane.

Detection limit 60 ppm.

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

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

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



RS485 Connector DB9 Male panel

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

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

LI-820 Specifications

CO_2 Specifications

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

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

Calibration Drift

[1]Zero Drift: < 0.15 ppm / °C

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

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

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

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

Measurement Principle: Non-Dispersive Infrared

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

Pressure Compensation Range: 15 kPa-115 kPa

Maximum Gas Flow Rate: 1 liter/minute

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

DAC Resolution: 14-bits across user-specified range

Source Life: 18000 hours

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

Supply Operating Range: 12-30 VDC

Operating Temperature Range: -20 to 45 °C

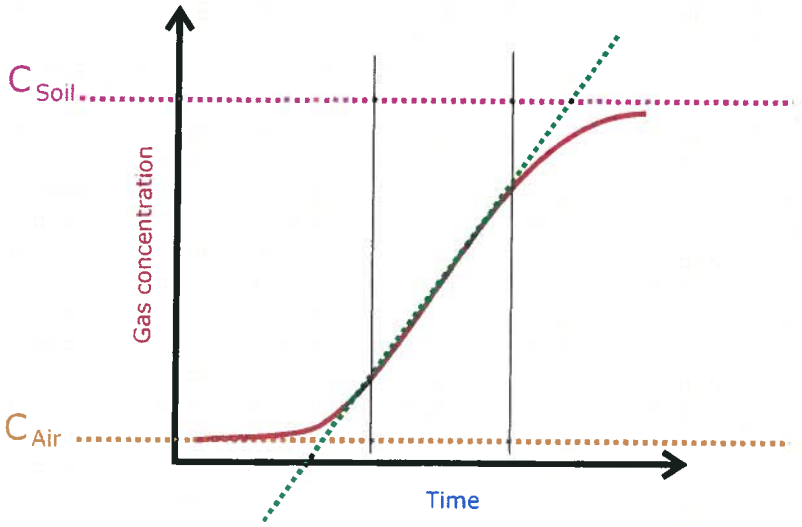
Relative Humidity Range: 0 to 95% RH, Non-Condensing

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

Weight: 2.2 lbs (1 kg)

Quantifying the flux

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



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

Choosing the flux measurement unit

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

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

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

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

Please see next page.

Quantifying the flux

Method 1: Measuring the slope

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

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

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

The accumulation chamber factors

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

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

Where

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

The dimensions of the A.c.K. are

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

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

An example:

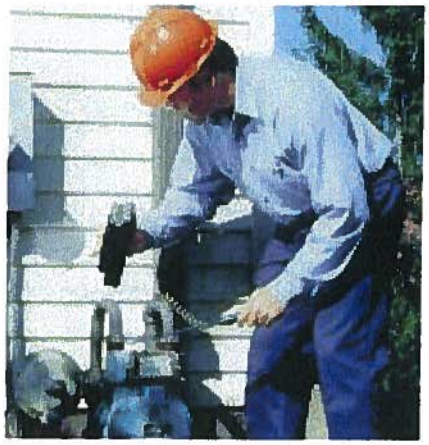
You're using the accumulation chamber B, the slope of the flux curve is 2.5 ppm/sec, the barometric pressure is 1008 mBar (HPa) and the air temperature is 22 °C.
From the table B get the value that correspond to the barometric pressure and temperature. In this case I get the value computed for 25°C and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

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

Gasport® Gas Tester

MSA

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



Applications

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

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

Features and Benefits

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

Specifications

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

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

The answer for gas utilities' gas detection needs

Gasport® Gas Tester

Ordering Information

Battery Chargers

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

Battery Packs

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

Sensors

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

Protective Boots

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

Sampling Equipment

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

Sampling Accessories

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

Calibration Check Equipment

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

Accessories

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

Approvals

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

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

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

Gasport Gas Tester Kits

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

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

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

ID 08-04-27-MC / May 2000

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Offices and representatives worldwide
For further information:

MSA

QRAE II User's Guide

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

RAE SYSTEMS by Honeywell

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

1.2 Specifications

QRAE II Specifications

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

Caution:

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

GeoXT

The total GPS platform for all your GIS field requirements

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

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

High-accuracy integrated GPS

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

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

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

Optimized productivity

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

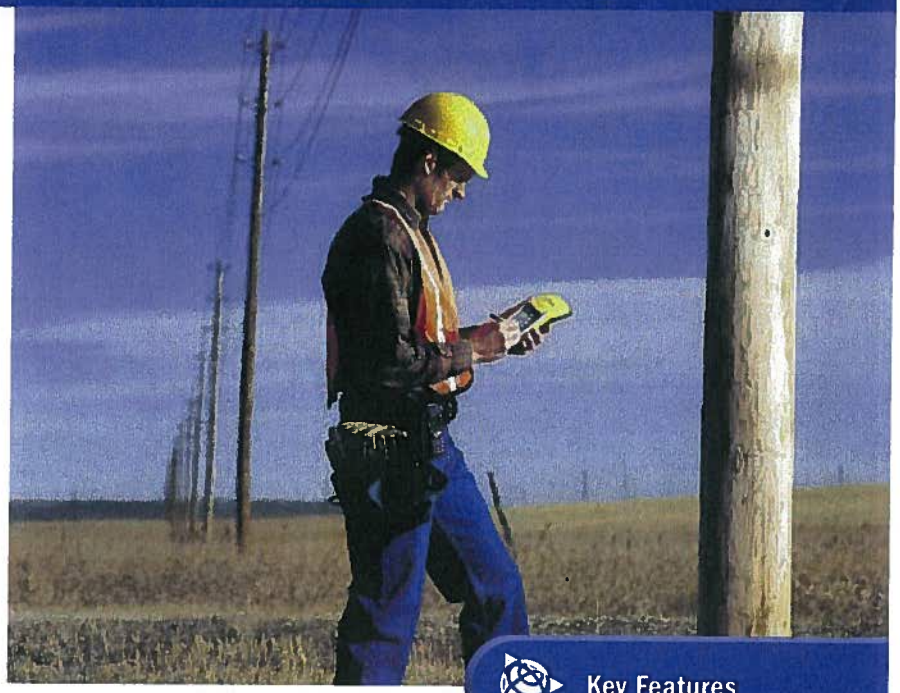
Windows Mobile includes familiar Microsoft productivity tools, including Pocket Word, Pocket Excel, and Pocket Outlook®. Pocket Outlook lets you synchronize e-mails, contacts, appointments, and data with your office computer, so whether you're in the office or in the field, you're always up to date.

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

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

All the memory you need

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



Key Features

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

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

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

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

Trimble.

GeoXT

The total GPS platform for all your GIS field requirements

Standard features

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

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

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

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

Optional Features

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

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

Specifications subject to change without notice.

Technical specifications

Physical

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

Environmental

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

Input/output

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

GPS

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

Accuracy (RMS)[4] after differential correction

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

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

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In-Situ Inc.

Innovations in Water Monitoring

Operator's Manual

SMARTROLL™ MP Handheld Instrument

0099172 | Rev. 003 | 11/2013

General Specifications

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

Sensor Specifications

Level, Depth, Pressure Sensor Specifications

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

Barometric Pressure Sensor Specifications (Battery Pack)

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

Conductivity Sensor Specifications

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

Dissolved Oxygen RDO Fast Cap (Optical Sensor) Specifications

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

ORP Sensor Specifications

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

pH Sensor Specifications

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

Air Temperature Sensor Specifications (Battery Pack)

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

Sample Temperature Sensor Specifications (Probe)

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

Battery Pack Specifications

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

APPENDIX B

FLUX METER DATA

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
Baird062217_01	Baird	1230742.99777	2330656.21128	22-06-2017 13:39:52	0.000000	0.000000	0.000000	782.3	44.8	0	-0.095	-0.068
Baird062217_02	Baird	1230789.55584	2330629.08394	22-06-2017 13:41:57	0.000000	0.000000	0.000000	782.3	45.1	0	-0.075	-0.091
Baird062217_03	Baird	1230789.14716	2330688.84392	22-06-2017 13:46:17	0.000000	0.000000	0.000000	782.3	45.4	0	-0.059	-1.564
Baird062217_04	Baird	1230803.30071	2330762.46105	22-06-2017 13:48:12	0.000000	0.000000	0.051862	782.3	45.7	0	0	0.226
Baird062217_05	Baird	1230776.07746	2330810.04082	22-06-2017 13:50:40	0.000000	0.000000	0.117026	782.5	45.8	0	-0.039	0.51
Baird062217_06	Baird	1230791.66268	2330849.63434	22-06-2017 13:53:07	0.000000	0.000000	0.015826	782.4	45.9	0	-0.023	0.069
Baird062217_07	Baird	1230746.78865	2330843.93333	22-06-2017 13:55:52	0.000000	0.000000	0.020859	782.4	46.1	0	-0.044	0.091
Baird062217_08	Baird	1230687.56473	2330855.71192	22-06-2017 13:59:12	0.000000	0.000000	0.045142	782.4	46.2	0	-0.068	0.197
Baird062217_09	Baird	1230647.266	2330840.46678	22-06-2017 14:01:56	0.000000	0.000000	0.225165	782.1	46.2	0	-0.049	0.983
Baird062217_10	Baird	1230607.58454	2330861.71357	22-06-2017 14:04:32	0.000000	0.000000	0.148154	782.1	46.3	0	-0.083	0.647
Baird062217_11	Baird	1230594.11992	2330780.18505	22-06-2017 14:07:21	0.000000	0.000000	0.031154	782.4	46.3	0	-0.054	0.136
Baird062217_12	Baird	1230666.79917	2330810.32873	22-06-2017 14:10:13	0.000000	0.000000	0.213846	782.0	46.3	0	-0.051	0.934
Baird062217_13	Baird	1230700.18373	2330810.89375	22-06-2017 14:12:41	0.000000	0.000000	0.153582	782.0	46.4	0	0	0.671
Baird062217_14	Baird	1230734.78804	2330802.27587	22-06-2017 14:15:13	0.000000	0.000000	0.050832	782.3	46.4	0	-0.024	0.222
Baird062217_15	Baird	1230722.8677	2330751.088	22-06-2017 14:17:58	0.000000	0.000000	0.125658	782.0	46.4	0	0	0.549
Baird062217_16	Baird	1230693.89495	2330743.79643	22-06-2017 14:21:05	0.000000	0.000000	0.105288	782.0	46.4	0	-0.036	0.46
Baird062217_17	Baird	1230673.88348	2330761.53532	22-06-2017 14:23:47	0.000000	0.000000	0.042123	781.9	46.3	0	-0.013	0.184
Baird062217_18	Baird	1230607.90902	2330727.74238	22-06-2017 14:26:26	0.000000	0.000000	0.088384	782.3	46.4	0	-0.034	0.386
Baird062217_19	Baird	1230602.06514	2330692.04987	22-06-2017 14:28:41	0.000000	0.000000	0.049433	781.9	46.4	0	-0.057	0.216
Baird062217_20	Baird	1230629.26988	2330643.71625	22-06-2017 14:31:04	0.000000	0.000000	0.136416	782.0	46.4	0	-0.022	0.596
Baird062217_21	Baird	1230657.94543	2330648.80888	22-06-2017 14:33:23	0.000000	0.000000	0.078737	782.0	46.4	0	-0.024	0.344
Baird062217_22	Baird	1230687.31905	2330655.16338	22-06-2017 14:35:40	0.000000	0.000000	0.040958	782.0	46.5	0	-0.023	0.179
Baird062217_23	Baird	1230653.73514	2330708.90744	22-06-2017 14:38:19	0.000000	0.000000	0.094488	781.9	46.5	0	-0.051	0.413
Baird062217_24	Baird	1230694.65379	2330700.89744	22-06-2017 14:40:45	0.000000	0.000000	0.155068	781.9	46.6	0	-0.043	0.678
Baird062217_25	Baird	1230740.58284	2330707.45528	22-06-2017 14:43:15	0.000000	0.000000	0.068385	781.9	46.6	0	-0.077	0.299
BasinCreek060517_01	BC_CJ	1209751.79479	2304557.84264	05-06-2017 13:07:35	0.000000	0.000000	0.016640	797.9	36.3	0	-0.003	0.069

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek060517_02	BC_CJ	1209963.64954	2304585.44119	05-06-2017 13:18:15	0.000000	0.000000	0.121967	797.7	37.6	-0.035	-0.003	0.508
BasinCreek060517_03	BC_CJ	1210195.07513	2304551.13894	05-06-2017 13:25:49	0.000000	0.000000	0.245741	796.8	38.0	-0.001	0	1.026
BasinCreek060517_04	BC_CJ	1210323.19747	2304608.70846	05-06-2017 13:31:11	0.000000	0.000000	0.151276	796.8	38.2	-0.089	-0.009	0.632
BasinCreek060517_05	BC_CJ	1210357.30879	2304604.52334	05-06-2017 13:35:01	0.085790	0.000000	0.187591	795.5	38.2	0.359	-0.015	0.785
BasinCreek060517_06	BC_CJ	1210321.07857	2304564.45015	05-06-2017 13:39:22	0.000000	0.000000	0.046074	795.2	38.4	-0.288	-0.012	0.193
BasinCreek060517_07	BC_CJ	1210322.57528	2304543.11518	05-06-2017 13:44:33	0.000000	0.000000	0.315236	796.1	38.4	0	-0.004	1.319
BasinCreek060517_08	BC_CJ	1210376.55769	2304547.05248	05-06-2017 13:49:05	0.000000	0.000000	0.609279	796.4	38.6	0	-0.023	2.55
BasinCreek060517_09	BC_CJ	1210318.23519	2304529.04766	05-06-2017 13:56:45	0.000000	0.000000	0.814523	796.0	38.9	0	-0.01	3.414
BasinCreek060517_10	BC_CJ	1210306.62665	2304502.2925	05-06-2017 14:00:14	807.732800	0.017652	9.052234	796.1	39.0	3386.198	0.074	37.949
BasinCreek060517_11	BC_CJ	1210306.88202	2304500.08289	05-06-2017 14:04:36	0.576218	0.000000	0.621295	797.0	39.4	2.416	-0.003	2.605
BasinCreek060517_12	BC_CJ	1210285.78276	2304492.74052	05-06-2017 14:07:38	0.000000	0.000000	0.578545	796.7	39.7	-1.234	-0.015	2.429
BasinCreek060517_13	BC_CJ	1210331.41605	2304515.40694	05-06-2017 14:12:47	0.000000	0.000000	0.530775	796.7	40.2	-0.462	-0.027	2.232
BasinCreek060517_14	BC_CJ	1210347.78956	2304521.84119	05-06-2017 14:15:19	0.000000	0.000000	0.913308	796.3	40.4	0	-0.017	3.845
BasinCreek060517_15	BC_CJ	1210293.24604	2304526.8216	05-06-2017 14:19:16	0.843311	0.000000	0.813388	796.4	40.5	3.551	-0.013	3.425
BasinCreek060517_16	BC_CJ	1210151.1752	2304382.32876	05-06-2017 14:27:56	0.000000	0.000000	0.197162	796.6	40.5	-0.557	-0.006	0.83
BasinCreek060517_17	BC_CJ	1210175.0692	2304361.1356	05-06-2017 14:31:17	0.000000	0.000000	0.342604	797.9	40.3	-0.043	-0.034	1.439
BasinCreek060517_18	BC_CJ	1209960.19231	2304368.03174	05-06-2017 14:35:34	0.000000	0.000000	2.676350	797.9	40.1	0	-0.011	11.234
BasinCreek060517_19	BC_CJ	1209769.38516	2304378.21666	05-06-2017 14:39:24	0.000000	0.000000	0.195392	797.8	40.0	-0.514	-0.011	0.82
BasinCreek060517_20	BC_CJ	1209549.99725	2304340.95494	05-06-2017 14:43:47	0.000000	0.000000	0.059377	798.4	40.0	-0.285	-0.028	0.249
BasinCreek060517_21	BC_CJ	1209600.93908	2304164.93561	05-06-2017 14:48:09	0.000000	0.000000	0.178618	798.7	40.1	0	-0.018	0.749
BasinCreek060517_22	BC_CJ	1209778.62224	2304195.26031	05-06-2017 14:53:57	0.000000	0.000000	0.460744	798.4	40.3	-0.392	-0.019	1.934
BasinCreek060517_23	BC_CJ	1209933.79529	2304178.29104	05-06-2017 14:58:01	0.000000	0.000000	0.144516	798.4	40.5	0	-0.031	0.607
BasinCreek060517_24	BC_CJ	1210168.93251	2304184.37925	05-06-2017 15:02:30	0.000000	0.000000	0.100249	797.4	40.8	0	-0.027	0.422
BasinCreek060517_25	BC_CJ	1210135.49302	2303979.19233	05-06-2017 15:07:32	0.000000	0.000000	0.046476	796.7	41.1	0	-0.045	0.196
BasinCreek060517_26	BC_CJ	1209959.99586	2303952.86656	05-06-2017 15:10:44	0.000000	0.000000	0.270402	797.2	41.2	0	-0.039	1.14
BasinCreek060517_27	BC_CJ	1209773.0051	2303958.12516	05-06-2017 15:15:06	0.000000	0.000000	0.236259	798.3	41.3	0	-0.017	0.995

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek060517_28	BC_CJ	1209543.20948	2303910.15987	05-06-2017 15:22:34	0.000000	0.000000	0.288714	798.6	41.7	0	-0.037	1.217
BasinCreek060517_29	BC_CJ	1209353.44965	2303757.42632	05-06-2017 15:29:47	0.000000	0.000000	0.348264	797.2	42.0	0	-0.024	1.472
BasinCreek060517_30	BC_CJ	1209341.82279	2303564.18398	05-06-2017 15:43:21	0.000000	0.000000	0.031134	796.0	42.5	0	-0.012	0.132
BasinCreek060517_31	BC_CJ	1209407.80103	2303398.01278	05-06-2017 15:51:15	0.000000	0.000000	0.279194	794.3	42.7	0	-0.046	1.187
BasinCreek060517_32	BC_CJ	1209550.9718	2303377.02783	05-06-2017 15:57:25	0.000000	0.000000	0.443133	794.8	42.9	-0.085	-0.008	1.884
BasinCreek060517_33	BC_CJ	1209560.66601	2303540.86075	05-06-2017 16:06:11	0.000000	0.000000	0.190087	794.0	43.3	0	-0.02	0.81
BasinCreek060517_34	BC_CJ	1209630.35165	2303520.6753	05-06-2017 16:11:19	0.000000	0.000000	0.140937	795.5	43.6	0	0	0.6
BasinCreek060517_35	BC_CJ	1209527.75099	2303734.11959	05-06-2017 16:18:04	0.000000	0.000000	0.625751	795.5	44.2	0	-0.053	2.669
BasinCreek060517_36	BC_CJ	1209748.1313	2303765.94631	05-06-2017 16:22:52	0.000000	0.000000	0.306154	796.4	44.6	0	-0.008	1.306
BasinCreek060517_37	BC_CJ	1209969.58034	2303846.8237	05-06-2017 16:29:01	0.000000	0.000000	0.059774	797.1	44.9	0	-0.05	0.255
BasinCreek060517_38	BC_CJ	1210138.56225	2303804.99062	05-06-2017 16:33:08	0.000000	0.000000	0.195333	797.9	45.1	0	-0.056	0.833
BasinCreek060617_40	BC_CJ	1210290.88393	2304736.47865	06-06-2017 13:00:43	0.000000	0.000000	0.158368	798.7	34.4	0	-0.015	0.652
BasinCreek060617_41	BC_CJ	1210522.59296	2304970.36553	06-06-2017 13:07:25	0.000000	0.000000	0.072190	798.3	36.1	0	-0.01	0.299
BasinCreek060617_42	BC_CJ	1210801.79731	2305031.50018	06-06-2017 13:14:19	0.000000	0.000000	0.085802	796.3	37.6	0	0	0.358
BasinCreek060617_43	BC_CJ	1210968.94684	2305011.07254	06-06-2017 13:18:26	0.000000	0.000000	0.180160	794.6	38.3	0	-0.024	0.755
BasinCreek060617_44	BC_CJ	1210917.72941	2304810.97467	06-06-2017 13:23:01	0.000000	0.000000	0.119169	794.1	39.1	0	-0.007	0.501
BasinCreek060617_45	BC_CJ	1210944.27138	2304645.71151	06-06-2017 13:33:36	0.000000	0.000000	0.431711	794.4	40.6	0	-0.022	1.823
BasinCreek060617_46	BC_CJ	1210922.90122	2304338.13081	06-06-2017 13:42:20	0.000000	0.000000	0.164840	794.1	41.8	0	-0.036	0.699
BasinCreek060617_47	BC_CJ	1210949.48592	2304166.44976	06-06-2017 13:48:40	0.000000	0.000000	0.184066	798.2	42.4	0	-0.044	0.778
BasinCreek060617_48	BC_CJ	1210958.51012	2304004.22636	06-06-2017 13:54:39	0.000000	0.000000	0.123135	796.6	42.7	0	-0.028	0.522
BasinCreek060617_49	BC_CJ	1210978.56966	2303703.09371	06-06-2017 14:01:30	0.000000	0.000000	0.130385	794.1	43.0	0	-0.041	0.555
BasinCreek060617_50	BC_CJ	1210996.97247	2303589.38234	06-06-2017 14:06:43	0.000000	0.000000	0.023420	791.4	42.9	0	-0.003	0.1
BasinCreek060617_51	BC_CJ	1211031.60982	2303411.35912	06-06-2017 14:10:38	0.000000	0.000000	0.173108	791.3	42.8	0	-0.047	0.739
BasinCreek060617_52	BC_CJ	1210849.45332	2303598.73246	06-06-2017 14:15:51	0.000000	0.000000	0.081768	791.2	42.7	0	-0.035	0.349
BasinCreek060617_53	BC_CJ	1210713.39394	2303811.31212	06-06-2017 14:21:12	0.000000	0.000000	0.045608	793.9	42.7	0	-0.043	0.194
BasinCreek060617_54	BC_CJ	1210742.09463	2303947.91867	06-06-2017 14:25:20	0.000000	0.000000	0.207376	794.0	42.7	0	-0.013	0.882

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek060617_55	BC_CJ	1210731.18973	2304139.37209	06-06-2017 14:29:52	0.000000	0.000000	0.435111	794.0	42.6	0	0	1.85
BasinCreek060617_56	BC_CJ	1210729.58736	2304449.8759	06-06-2017 14:38:11	0.000000	0.000000	0.203095	795.9	42.8	0	-0.028	0.862
BasinCreek060617_57	BC_CJ	1210745.81034	2304571.98858	06-06-2017 14:44:04	0.000000	0.000000	0.801329	797.6	43.0	0	-0.039	3.396
BasinCreek060617_58	BC_CJ	1210682.89898	2304776.99615	06-06-2017 14:48:47	0.000000	0.000000	0.011298	795.9	43.1	0	-0.024	0.048
BasinCreek060617_59	BC_CJ	1210558.8106	2304816.54032	06-06-2017 14:52:23	0.000000	0.000000	0.574952	797.0	43.2	0	-0.048	2.44
BasinCreek060617_60	BC_CJ	1210571.48468	2304593.12562	06-06-2017 14:58:17	0.000000	0.000000	0.112033	797.5	43.1	0	0	0.475
BasinCreek060617_61	BC_CJ	1210529.92322	2304424.4001	06-06-2017 15:03:41	0.000000	0.000000	0.189844	798.4	43.1	0	-0.045	0.804
BasinCreek060617_62	BC_CJ	1210509.50125	2304191.49955	06-06-2017 15:08:20	0.000000	0.000000	0.184282	798.6	43.0	0	-0.005	0.78
BasinCreek060617_63	BC_CJ	1210504.57946	2303986.88892	06-06-2017 15:13:28	0.000000	0.000000	0.106067	798.0	42.8	0	-0.021	0.449
BasinCreek060617_64	BC_CJ	1210525.92592	2303846.55887	06-06-2017 15:17:00	0.000000	0.000000	0.075344	797.1	42.5	0	-0.031	0.319
BasinCreek060617_65	BC_CJ	1210366.03282	2304037.95953	06-06-2017 15:20:57	0.000000	0.000000	0.089252	796.1	42.2	0	-0.038	0.378
BasinCreek060617_66	BC_CJ	1210303.64489	2304164.01371	06-06-2017 15:24:34	0.000000	0.000000	0.992644	798.2	41.9	0	0	4.189
BasinCreek060617_67	BC_CJ	1210310.29612	2304317.0427	06-06-2017 15:28:57	0.000000	0.000000	0.033482	799.1	41.6	0	0	0.141
BasinCreek060617_68	BC_CJ	1210429.34079	2304451.03889	06-06-2017 15:32:53	0.000000	0.000000	0.782818	799.7	41.2	0	-0.024	3.29
BasinCreek060817_100	BC_CJ	1209500.60063	2302824.44502	08-06-2017 12:16:19	1.268905	0.000000	2.348794	793.5	44.5	5.431	0	10.053
BasinCreek060817_101	BC_CJ	1209498.40539	2302737.42975	08-06-2017 12:21:08	0.000000	0.000000	0.824960	793.3	44.7	0	-0.005	3.534
BasinCreek060817_102	BC_CJ	1209524.63436	2302617.4224	08-06-2017 12:27:04	0.000000	0.001165	0.284343	792.8	45.0	0	0.005	1.22
BasinCreek060817_103	BC_CJ	1209102.89888	2302532.52977	08-06-2017 12:39:46	0.000000	0.000000	0.069300	793.2	44.8	-0.549	-0.001	0.297
BasinCreek060817_104	BC_CJ	1208955.82874	2302495.11623	08-06-2017 12:46:30	0.000000	0.000000	0.097434	791.4	44.4	0	-0.045	0.418
BasinCreek060817_105	BC_CJ	1208874.77194	2302323.79475	08-06-2017 12:52:09	0.000000	0.000000	0.211630	790.2	44.3	0	-0.047	0.909
BasinCreek060817_106	BC_CJ	1208887.64542	2302131.78827	08-06-2017 12:57:24	0.000000	0.001627	0.165999	789.1	44.3	0	0.007	0.714
BasinCreek060817_107	BC_CJ	1209113.94973	2302327.42301	08-06-2017 13:08:30	0.000000	0.000000	0.304782	789.1	44.8	0	-0.023	1.313
BasinCreek060817_108	BC_CJ	1209218.74815	2302387.66485	08-06-2017 13:12:37	65.245310	0.000000	17.742810	793.5	45.0	279.694	0	76.06
BasinCreek060817_109	BC_CJ	1209265.15087	2302404.76984	08-06-2017 13:16:08	3.901764	0.000000	0.779932	794.8	45.1	16.704	-0.019	3.339
BasinCreek060817_110	BC_CJ	1209356.95462	2302396.47141	08-06-2017 13:18:40	0.000000	0.000000	0.040898	795.2	45.1	0	0	0.175
BasinCreek060817_111	BC_CJ	1209549.05881	2302356.25648	08-06-2017 13:22:54	0.000000	0.000000	0.018704	795.8	45.2	0	-0.032	0.08

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek060817_69	BC_CJ	1210005.98678	2303164.65768	08-06-2017 09:14:20	0.000000	0.000000	0.018276	801.3	26.2	0	-0.003	0.073
BasinCreek060817_70	BC_CJ	1209981.30463	2303371.15577	08-06-2017 09:18:39	0.000000	0.000000	0.138423	801.3	26.8	0	-0.001	0.554
BasinCreek060817_71	BC_CJ	1210122.81066	2303359.66393	08-06-2017 09:22:04	0.000000	0.000000	0.053174	802.2	27.4	0	0	0.213
BasinCreek060817_72	BC_CJ	1210158.96032	2303563.57717	08-06-2017 09:26:51	0.000000	0.000000	0.298167	801.1	28.4	0	-0.004	1.2
BasinCreek060817_73	BC_CJ	1209986.86944	2303562.23952	08-06-2017 09:31:35	0.000000	0.000000	0.013607	800.8	29.6	0	-0.002	0.055
BasinCreek060817_74	BC_CJ	1209777.33278	2303512.5384	08-06-2017 09:38:55	0.000000	0.000000	0.261263	802.3	31.3	0	0	1.06
BasinCreek060817_75	BC_CJ	1209732.7104	2303493.87394	08-06-2017 09:45:27	0.522728	0.000000	6.336233	801.5	32.6	2.132	-0.003	25.843
BasinCreek060817_76	BC_CJ	1209773.22626	2303316.35511	08-06-2017 09:53:12	0.000000	0.000000	0.060166	801.5	34.6	0	-0.007	0.247
BasinCreek060817_77	BC_CJ	1209672.42958	2303288.30054	08-06-2017 09:58:14	13.371240	0.000000	3.140435	801.8	35.9	55.104	0	12.942
BasinCreek060817_78	BC_CJ	1209672.58269	2303248.58455	08-06-2017 10:01:41	1.753663	0.001208	3.239131	800.7	36.8	7.258	0.005	13.406
BasinCreek060817_79	BC_CJ	1209718.51269	2303175.1531	08-06-2017 10:06:53	6.579823	0.000482	1.942286	800.8	37.7	27.308	0.002	8.061
BasinCreek060817_80	BC_CJ	1209727.37936	2303146.96668	08-06-2017 10:10:56	8.044590	0.002164	11.417380	801.0	38.4	33.454	0.009	47.48
BasinCreek060817_81	BC_CJ	1209720.42898	2303034.01645	08-06-2017 10:16:15	3.351281	0.002876	5.269448	801.1	39.5	13.984	0.012	21.988
BasinCreek060817_82	BC_CJ	1209986.11984	2302990.01521	08-06-2017 10:24:15	0.000000	0.001430	0.019068	800.3	40.9	0	0.006	0.08
BasinCreek060817_83	BC_CJ	1209981.28391	2302825.31799	08-06-2017 10:27:04	0.000000	0.000000	0.105796	801.1	41.3	0	-0.01	0.444
BasinCreek060817_84	BC_CJ	1209847.63785	2302671.61131	08-06-2017 10:34:01	0.000000	0.000000	0.185258	800.8	42.2	0	-0.012	0.78
BasinCreek060817_85	BC_CJ	1209727.03806	2302817.76808	08-06-2017 10:42:10	0.000000	0.001183	0.749502	799.2	42.9	0	0.005	3.169
BasinCreek060817_86	BC_CJ	1209740.81021	2302888.86085	08-06-2017 10:45:14	0.000000	0.000000	1.198025	798.1	43.0	0	-0.024	5.074
BasinCreek060817_87	BC_CJ	1209729.92896	2302906.40763	08-06-2017 10:47:20	7.360783	0.003781	2.320776	799.1	43.1	31.146	0.016	9.82
BasinCreek060817_88	BC_CJ	1209539.95996	2302975.68848	08-06-2017 11:08:45	0.000000	0.000708	0.087541	799.1	43.6	0	0.003	0.371
BasinCreek060817_89	BC_CJ	1209520.00457	2303137.56337	08-06-2017 11:15:57	14.517150	0.000000	1.438284	796.3	43.5	61.721	-0.005	6.115
BasinCreek060817_90	BC_CJ	1209337.42609	2303138.0689	08-06-2017 11:23:10	0.000000	0.002118	0.459295	796.6	43.5	0	0.009	1.952
BasinCreek060817_91	BC_CJ	1209206.98256	2303120.51252	08-06-2017 11:27:35	0.000000	0.000000	0.177794	794.9	43.4	0	-0.031	0.757
BasinCreek060817_92	BC_CJ	1209162.65304	2302972.59823	08-06-2017 11:33:13	0.000000	0.000000	0.063326	794.3	43.6	0	-0.029	0.27
BasinCreek060817_93	BC_CJ	1209310.68464	2302958.34153	08-06-2017 11:37:19	0.000000	0.000000	0.373995	792.6	43.6	0	-0.018	1.598
BasinCreek060817_94	BC_CJ	1209195.14694	2302807.06291	08-06-2017 11:44:42	0.000000	0.000234	0.954111	792.6	43.7	0	0.001	4.078

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek060817_95	BC_CJ	1209172.73188	2302781.74944	08-06-2017 11:47:22	0.000000	0.000467	0.504164	790.6	43.8	0	0.002	2.161
BasinCreek060817_96	BC_CJ	1209341.20157	2302713.81853	08-06-2017 11:54:28	0.000000	0.001632	0.332457	790.8	44.1	0	0.007	1.426
BasinCreek060817_97	BC_CJ	1209393.50658	2302671.01662	08-06-2017 12:00:43	0.000000	0.000000	0.253753	791.6	44.3	0	-0.04	1.088
BasinCreek060817_98	BC_CJ	1209509.28767	2302789.08403	08-06-2017 12:08:46	7.279688	0.000000	2.415360	792.4	44.4	31.191	-0.026	10.349
BasinCreek060817_99	BC_CJ	1209518.7147	2302786.56034	08-06-2017 12:11:05	15405.680000	1.541816	405.811600	793.5	44.4	65916.64	6.597	1736.355
BasinCreek060917_112	BC_CJ	1209114.64074	2302128.07804	09-06-2017 09:01:27	0.000000	0.000000	0.000000	791.0	27.5	0	-0.003	-1.041
BasinCreek060917_113	BC_CJ	1209295.88262	2302151.43239	09-06-2017 09:08:34	13.284500	0.000245	4.478589	791.0	29.1	54.273	0.001	18.297
BasinCreek060917_114	BC_CJ	1209391.3737	2302143.7629	09-06-2017 09:13:01	0.000000	0.001464	0.046863	791.1	30.0	-1.155	0.006	0.192
BasinCreek060917_115	BC_CJ	1209539.81183	2302128.47359	09-06-2017 09:19:03	0.000000	0.000243	0.206233	791.9	31.4	0	0.001	0.848
BasinCreek060917_116	BC_CJ	1209700.603	2302173.21315	09-06-2017 09:22:20	0.000000	0.000243	0.006077	793.6	32.2	-0.083	0.001	0.025
BasinCreek060917_117	BC_CJ	1209552.14978	2301997.79833	09-06-2017 09:28:52	0.000000	0.000484	1.153924	793.4	33.6	-0.488	0.002	4.77
BasinCreek060917_118	BC_CJ	1209624.6712	2301957.54048	09-06-2017 09:34:29	0.000000	0.000722	0.160246	791.7	34.6	-4.643	0.003	0.666
BasinCreek060917_119	BC_CJ	1209607.83554	2301837.29742	09-06-2017 09:38:32	0.000000	0.000721	0.096412	792.9	35.3	0	0.003	0.401
BasinCreek060917_120	BC_CJ	1209430.73102	2301747.04733	09-06-2017 09:50:58	60.062970	0.000717	4.736785	793.3	37.5	251.472	0.003	19.832
BasinCreek060917_121	BC_CJ	1209448.42088	2301638.52688	09-06-2017 09:57:15	0.000000	0.000948	4.203121	790.3	38.6	-1.773	0.004	17.727
BasinCreek060917_122	BC_CJ	1209357.40745	2301570.65801	09-06-2017 10:03:15	0.000000	0.000237	0.000000	791.4	39.4	-0.304	0.001	-10.007
BasinCreek060917_123	BC_CJ	1209220.1164	2301557.62076	09-06-2017 10:11:34	9.698819	0.000944	1.067392	789.8	39.8	41.089	0.004	4.522
BasinCreek060917_124	BC_CJ	1209136.04273	2301424.36238	09-06-2017 10:18:07	0.000000	0.000940	0.159103	787.1	40.1	-5.829	0.004	0.677
BasinCreek060917_125	BC_CJ	1209116.51704	2301366.22592	09-06-2017 10:27:09	0.771117	0.000705	0.658540	788.4	40.6	3.281	0.003	2.802
BasinCreek060917_126	BC_CJ	1209179.31042	2301309.64602	09-06-2017 10:31:38	0.000000	0.000471	0.262200	789.3	40.5	-0.687	0.002	1.114
BasinCreek060917_127	BC_CJ	1209096.44806	2301325.43559	09-06-2017 10:36:58	367.145400	0.001414	4.973677	790.3	40.4	1557.406	0.006	21.098
BasinCreek060917_128	BC_CJ	1209039.41931	2301212.41752	09-06-2017 10:40:53	0.000000	0.000707	4.080945	789.8	40.2	-85.982	0.003	17.311
BasinCreek060917_129	BC_CJ	1208997.90778	2301165.20602	09-06-2017 10:45:40	1.670002	0.000943	0.590772	789.8	40.2	7.084	0.004	2.506
BasinCreek060917_130	BC_CJ	1208918.54154	2301042.99967	09-06-2017 10:50:29	1.244400	0.001413	0.912638	789.1	40.3	5.285	0.006	3.876
BasinCreek060917_131	BC_CJ	1208932.64995	2300894.85121	09-06-2017 10:56:14	0.333542	0.000705	0.373501	789.0	40.8	1.419	0.003	1.589
BasinCreek060917_132	BC_CJ	1208980.07805	2300981.27715	09-06-2017 11:00:44	0.000000	0.000938	0.251306	787.9	41.2	-1.641	0.004	1.072

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek060917_133	BC_CJ	1209023.59781	2301024.0549	09-06-2017 11:05:00	0.000000	0.000704	0.200587	789.5	41.6	-0.946	0.003	0.855
BasinCreek060917_134	BC_CJ	1209071.19147	2301050.66322	09-06-2017 11:07:27	0.000000	0.001174	0.067635	790.8	41.8	-0.545	0.005	0.288
BasinCreek060917_135	BC_CJ	1209117.82795	2301137.75273	09-06-2017 11:10:28	0.000000	0.001409	2.922738	791.4	42.0	-0.006	0.006	12.444
BasinCreek060917_136	BC_CJ	1209133.69873	2300904.91008	09-06-2017 11:26:48	0.000000	0.004657	2.057878	786.9	42.9	-1.495	0.02	8.837
BasinCreek060917_137	BC_CJ	1209001.43436	2300818.39152	09-06-2017 11:24:12	0.000000	0.000000	0.698821	786.9	42.7	0	-0.003	2.999
BasinCreek060917_138	BC_CJ	1209148.89964	2300730.92982	09-06-2017 11:31:23	0.000000	0.002795	0.418370	787.9	43.2	0	0.012	1.796
BasinCreek060917_139	BC_CJ	1209093.13942	2300721.60614	09-06-2017 11:34:39	24.923040	0.001161	1.808657	786.2	43.4	107.29	0.005	7.786
BasinCreek060917_140	BC_CJ	1209118.03832	2300612.09252	09-06-2017 11:38:02	0.000000	0.000000	0.522831	785.0	43.8	-4.179	-0.008	2.257
BasinCreek060917_141	BC_CJ	1209073.99633	2300573.93036	09-06-2017 11:42:08	0.803551	0.001389	4.371262	785.5	44.2	3.471	0.006	18.882
BasinCreek060917_142	BC_CJ	1209079.71546	2300457.24163	09-06-2017 11:46:13	0.000000	0.001155	0.000000	784.8	44.5	-0.209	0.005	-1.107
BasinCreek060917_143	BC_CJ	1209099.21041	2300465.07043	09-06-2017 11:51:55	0.000000	0.002079	0.145267	785.1	44.8	-0.481	0.009	0.629
BasinCreek060917_144	BC_CJ	1209019.41492	2300409.17263	09-06-2017 11:57:53	1.214952	0.001155	0.246780	785.5	44.8	5.258	0.005	1.068
BasinCreek060917_145	BC_CJ	1209091.11817	2300374.36406	09-06-2017 12:03:02	0.000000	0.001844	0.103057	783.5	44.7	-60.786	0.008	0.447
BasinCreek060917_146	BC_CJ	1209010.11952	2300333.81297	09-06-2017 12:07:33	27.790340	0.001155	1.047384	784.8	44.6	120.301	0.005	4.534
BasinCreek060917_147	BC_CJ	1209033.8343	2300267.92641	09-06-2017 12:10:54	0.000000	0.001846	0.133137	783.4	44.4	-5.313	0.008	0.577
BasinCreek060917_148	BC_CJ	1209006.01616	2300147.89319	09-06-2017 12:15:57	0.000000	0.001619	0.210237	785.0	44.3	-1.268	0.007	0.909
BasinCreek060917_149	BC_CJ	1208950.52755	2300158.58694	09-06-2017 12:20:58	0.000000	0.000925	0.010643	784.8	44.1	-2.611	0.004	0.046
BasinCreek061217_150	BC_CJ	1208747.11643	2301919.74082	12-06-2017 09:36:56	0.000000	0.000720	0.333057	783.9	32.4	0	0.003	1.388
BasinCreek061217_151	BC_CJ	1208762.37178	2301742.22545	12-06-2017 09:42:31	0.000000	0.000000	0.126538	784.0	33.4	-2.166	0	0.529
BasinCreek061217_152	BC_CJ	1208926.40264	2301568.63951	12-06-2017 09:47:52	0.000000	0.000238	0.112761	783.9	34.4	-1.068	0.001	0.473
BasinCreek061217_153	BC_CJ	1208812.33879	2301514.98639	12-06-2017 09:51:46	0.000000	0.000237	0.078286	782.1	35.2	-0.219	0.001	0.33
BasinCreek061217_154	BC_CJ	1208749.53623	2301366.54076	12-06-2017 09:55:40	0.000000	0.000000	0.000000	781.7	36.0	-0.305	0	-1.654
BasinCreek061217_155	BC_CJ	1208837.98562	2301327.48006	12-06-2017 10:00:18	0.000000	0.000236	0.123249	781.2	36.9	-0.209	0.001	0.523
BasinCreek061217_156	BC_CJ	1208695.82489	2301215.3002	12-06-2017 10:07:12	0.000000	0.000471	0.007530	782.6	37.9	0	0.002	0.032
BasinCreek061217_157	BC_CJ	1208633.0061	2301183.02106	12-06-2017 10:10:55	0.000000	0.000234	0.161941	780.4	38.3	0	0.001	0.691
BasinCreek061217_158	BC_CJ	1208496.04217	2301144.05978	12-06-2017 10:15:12	0.000000	0.001169	0.156708	780.1	38.8	-0.558	0.005	0.67

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061217_159	BC_CJ	1208474.42619	2300971.31513	12-06-2017 10:20:02	0.000000	0.000466	0.142460	778.9	39.3	-0.085	0.002	0.611
BasinCreek061217_160	BC_CJ	1208656.9869	2300968.86209	12-06-2017 10:27:53	2.602677	0.001627	1.753559	778.5	40.1	11.197	0.007	7.544
BasinCreek061217_161	BC_CJ	1208568.70037	2300788.36397	12-06-2017 10:37:55	0.000000	0.000699	0.227289	782.0	40.6	0	0.003	0.975
BasinCreek061217_162	BC_CJ	1208639.09776	2300751.09709	12-06-2017 10:41:03	0.000000	0.001626	0.358554	779.5	40.8	-0.003	0.007	1.544
BasinCreek061217_163	BC_CJ	1208791.21209	2300736.00006	12-06-2017 10:45:50	0.000000	0.001393	0.319037	780.4	41.2	0	0.006	1.374
BasinCreek061217_164	BC_CJ	1208783.25343	2300626.72043	12-06-2017 10:51:39	0.000000	0.001625	0.264356	781.3	41.7	-0.003	0.007	1.139
BasinCreek061217_165	BC_CJ	1208906.73495	2300529.76795	12-06-2017 10:56:04	0.000000	0.001158	0.053038	780.4	42.0	-2.175	0.005	0.229
BasinCreek061217_166	BC_CJ	1208759.84022	2300393.3286	12-06-2017 11:01:35	0.000000	0.000462	0.126852	779.3	42.3	-1.658	0.002	0.549
BasinCreek061217_167	BC_CJ	1208702.19484	2300166.93596	12-06-2017 11:06:55	0.000000	0.002072	0.139042	776.9	42.5	-0.362	0.009	0.604
BasinCreek061217_168	BC_CJ	1208679.3677	2299946.19702	12-06-2017 11:15:16	0.000000	0.001380	0.000000	776.7	42.8	-0.001	0.006	-3.389
BasinCreek061217_169	BC_CJ	1209140.43839	2301755.08924	12-06-2017 11:48:54	0.000000	0.000695	0.096176	778.9	41.2	-0.41	0.003	0.415
BasinCreek061217_170	BC_CJ	1209020.47523	2301792.82971	12-06-2017 11:52:14	0.000000	0.000233	0.000000	782.4	40.8	-2.863	0.001	-0.045
BasinCreek061217_171	BC_CJ	1208934.17428	2301978.16054	12-06-2017 11:56:49	0.000000	0.000467	0.406609	782.8	40.7	0	0.002	1.743
BasinCreek061217_172	BC_CJ	1209102.25858	2301911.29739	12-06-2017 12:01:05	0.000000	0.000000	4.347657	785.5	40.6	0	-0.009	18.567
BasinCreek061217_173	BC_CJ	1209301.80709	2301824.75326	12-06-2017 12:05:55	0.000000	0.002102	0.693585	783.9	40.7	-0.002	0.009	2.969
BasinCreek061217_174	BC_CJ	1209348.82531	2301962.05848	12-06-2017 12:10:00	23.438880	0.001169	5.443185	784.5	40.8	100.289	0.005	23.29
BasinCreek061217_175	BC_CJ	1209378.83327	2301938.33657	12-06-2017 12:13:39	177.465600	0.004916	16.479880	785.5	40.7	758.122	0.021	70.401
BasinCreek061217_176	BC_CJ	1209468.88233	2301918.34396	12-06-2017 12:16:04	0.000000	0.000234	0.267845	785.9	40.8	-2.693	0.001	1.144
BasinCreek061217_177	BC_CJ	1211767.94307	2305108.64402	12-06-2017 12:52:20	0.000000	0.000234	0.070275	786.8	41.0	-0.501	0.001	0.3
BasinCreek061217_178	BC_CJ	1211773.75676	2305005.56133	12-06-2017 12:56:13	0.000000	0.004204	0.239139	783.9	40.8	0	0.018	1.024
BasinCreek061217_179	BC_CJ	1211785.30681	2304821.45275	12-06-2017 13:00:40	0.000000	0.001168	0.097851	783.4	40.6	0	0.005	0.419
BasinCreek061217_180	BC_CJ	1211773.98353	2304616.54235	12-06-2017 13:05:29	0.000000	0.000000	0.036168	783.0	40.7	-2.358	-0.008	0.155
BasinCreek061217_181	BC_CJ	1211736.56937	2304392.40322	12-06-2017 13:11:07	0.000000	0.000701	0.068659	783.9	40.8	-0.522	0.003	0.294
BasinCreek061217_182	BC_CJ	1211649.94508	2304364.0572	12-06-2017 13:15:33	0.000000	0.001172	0.000000	786.9	40.9	0	0.005	-4.387
BasinCreek061217_183	BC_CJ	1211697.28656	2304170.87664	12-06-2017 13:19:51	0.000000	0.000704	0.052327	787.9	40.9	-0.275	0.003	0.223
BasinCreek061217_184	BC_CJ	1211549.0212	2304160.48751	12-06-2017 13:22:57	0.000000	0.003745	0.074439	786.0	40.9	0	0.016	0.318

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061217_185	BC_CJ	1211606.37212	2303742.54542	12-06-2017 13:34:43	0.000000	0.000000	0.020144	787.5	41.3	-0.759	0	0.086
BasinCreek061217_186	BC_CJ	1211590.00573	2303542.74067	12-06-2017 13:47:03	0.000000	0.004454	0.103844	789.1	41.7	-0.577	0.019	0.443
BasinCreek061217_187	BC_CJ	1211576.80399	2303333.25729	12-06-2017 13:52:31	0.000000	0.000699	0.038695	784.7	41.7	-0.583	0.003	0.166
BasinCreek061217_188	BC_CJ	1211343.14099	2303369.95589	12-06-2017 13:57:00	0.000000	0.006271	0.456388	782.1	41.8	-0.852	0.027	1.965
BasinCreek061217_189	BC_CJ	1211185.99078	2303409.32116	12-06-2017 14:00:55	0.000000	0.000465	0.181441	782.8	42.0	-0.671	0.002	0.781
BasinCreek061217_190	BC_CJ	1211221.04355	2303512.6444	12-06-2017 14:03:56	0.000000	0.000000	0.317895	784.4	42.1	-0.39	-0.001	1.366
BasinCreek061217_191	BC_CJ	1211369.1517	2303523.53773	12-06-2017 14:07:23	0.000000	0.000465	0.000000	783.9	42.3	-1.152	0.002	-0.013
BasinCreek061217_192	BC_CJ	1211187.57012	2303688.90424	12-06-2017 14:12:41	0.000000	0.001162	0.104831	784.7	42.6	-1.488	0.005	0.451
BasinCreek061217_193	BC_CJ	1211328.20055	2303779.36756	12-06-2017 14:17:55	0.000000	0.006513	0.444741	786.5	43.1	-0.001	0.028	1.912
BasinCreek061217_194	BC_CJ	1211384.65313	2303805.45739	12-06-2017 14:21:49	0.000000	0.001632	0.039160	788.9	43.4	-0.684	0.007	0.168
BasinCreek061217_195	BC_CJ	1211184.48164	2303952.55538	12-06-2017 14:32:17	0.000000	0.000931	0.050253	788.9	44.0	-1.578	0.004	0.216
BasinCreek061217_196	BC_CJ	1211185.24079	2304140.05291	12-06-2017 14:37:25	0.000000	0.001634	0.478774	791.3	43.9	-0.329	0.007	2.051
BasinCreek061217_197	BC_CJ	1211346.74069	2304198.39845	12-06-2017 14:41:24	0.000000	0.001401	0.116535	791.4	43.8	-0.565	0.006	0.499
BasinCreek061217_198	BC_CJ	1211157.50126	2304315.32667	12-06-2017 14:52:15	0.000000	0.001634	0.124187	790.8	43.7	-1.011	0.007	0.532
BasinCreek061217_199	BC_CJ	1211326.85435	2304439.59264	12-06-2017 14:56:43	0.000000	0.001404	0.260637	792.1	43.5	0	0.006	1.114
BasinCreek061217_200	BC_CJ	1211329.18422	2304653.16019	12-06-2017 15:05:36	0.000000	0.001632	0.610318	789.5	43.6	-0.702	0.007	2.618
BasinCreek061217_201	BC_CJ	1211398.31272	2304789.39149	12-06-2017 15:08:56	0.000000	0.001624	0.067972	785.4	43.5	-1.256	0.007	0.293
BasinCreek061217_202	BC_CJ	1211515.98721	2304725.53459	12-06-2017 15:11:48	0.000000	0.000000	0.097261	784.0	43.5	-0.81	-0.002	0.42
BasinCreek061217_203	BC_CJ	1211563.32908	2304646.02065	12-06-2017 15:15:25	0.000000	0.001156	0.169979	783.2	43.6	0	0.005	0.735
BasinCreek061217_204	BC_CJ	1211564.6595	2304969.39289	12-06-2017 15:20:32	0.000000	0.002779	0.222093	784.3	43.6	0	0.012	0.959
BasinCreek061217_205	BC_CJ	1211378.54982	2305023.79972	12-06-2017 15:23:05	0.000000	0.001157	0.111113	784.2	43.7	-0.324	0.005	0.48
BasinCreek061217_206	BC_CJ	1211226.509	2305002.45364	12-06-2017 15:26:06	0.000000	0.000927	0.082935	784.8	43.7	-1.722	0.004	0.358
BasinCreek061217_207	BC_CJ	1211192.60859	2304785.10762	12-06-2017 15:30:25	0.000000	0.000927	0.061666	785.6	43.8	-0.248	0.004	0.266
BasinCreek061217_208	BC_CJ	1211126.78248	2304693.29799	12-06-2017 15:32:47	0.000000	0.000000	0.055645	785.2	43.6	-1.729	0	0.24
BasinCreek061317_209	BC_CJ	1211934.94082	2305077.68881	13-06-2017 09:36:39	0.000000	0.000000	0.201427	784.4	27.7	0	0	0.826
BasinCreek061317_210	BC_CJ	1211937.54335	2305001.19597	13-06-2017 09:40:04	0.952931	0.000000	0.557132	784.4	28.8	3.922	0	2.293

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061317_211	BC_CJ	1211948.46034	2304954.15204	13-06-2017 09:42:37	0.795622	0.001938	1.346307	783.7	29.4	3.284	0.008	5.557
BasinCreek061317_212	BC_CJ	1211936.9742	2304925.3727	13-06-2017 09:45:43	1.301592	0.000967	0.866035	783.6	29.9	5.382	0.004	3.581
BasinCreek061317_213	BC_CJ	1211957.91371	2304928.90945	13-06-2017 09:47:51	0.000000	0.000483	0.079944	783.6	30.3	0	0.002	0.331
BasinCreek061317_214	BC_CJ	1211986.86386	2304898.35056	13-06-2017 09:50:39	1.777195	0.000241	0.494589	782.9	30.8	7.377	0.001	2.053
BasinCreek061317_215	BC_CJ	1212031.37089	2304920.97094	13-06-2017 09:53:19	0.000000	0.000721	0.448412	782.9	31.4	-1.085	0.003	1.865
BasinCreek061317_216	BC_CJ	1211925.23257	2304745.52751	13-06-2017 09:57:59	0.000000	0.001198	0.351190	782.6	32.4	0	0.005	1.466
BasinCreek061317_217	BC_CJ	1211946.63923	2304531.51553	13-06-2017 10:02:44	0.000000	0.000718	0.078529	784.7	33.4	0	0.003	0.328
BasinCreek061317_218	BC_CJ	1211965.51258	2304372.77407	13-06-2017 10:06:22	0.000000	0.002628	0.560629	784.7	34.1	-0.597	0.011	2.347
BasinCreek061317_219	BC_CJ	1212009.79642	2304247.98627	13-06-2017 10:10:20	0.000000	0.001192	0.237529	784.7	34.6	-0.14	0.005	0.996
BasinCreek061317_220	BC_CJ	1212190.37185	2304172.54571	13-06-2017 10:16:27	0.000000	0.001667	0.135730	785.3	35.3	-0.961	0.007	0.57
BasinCreek061317_221	BC_CJ	1212332.30002	2304106.40838	13-06-2017 10:20:50	0.000000	0.000000	0.093800	783.9	35.6	-0.179	0	0.395
BasinCreek061317_222	BC_CJ	1212580.39303	2304146.72895	13-06-2017 10:25:42	0.000000	0.000000	0.089972	782.1	35.8	-1	0	0.38
BasinCreek061317_223	BC_CJ	1212716.72543	2304166.80458	13-06-2017 10:31:13	0.000000	0.001653	0.004015	780.2	35.8	0	0.007	0.017
BasinCreek061317_224	BC_CJ	1212740.58094	2304018.71949	13-06-2017 10:34:57	0.000000	0.001414	0.139313	778.9	35.9	0	0.006	0.591
BasinCreek061317_225	BC_CJ	1212871.51128	2303975.4221	13-06-2017 10:38:51	0.000000	0.000470	0.331859	777.4	36.0	0	0.002	1.411
BasinCreek061317_226	BC_CJ	1212943.72952	2304107.02565	13-06-2017 10:43:19	0.000000	0.001878	0.119513	776.6	36.2	-0.001	0.008	0.509
BasinCreek061317_227	BC_CJ	1213123.1718	2304150.08562	13-06-2017 10:47:46	0.000000	0.000469	0.138930	776.7	36.4	0	0.002	0.592
BasinCreek061317_228	BC_CJ	1213122.08091	2304102.18851	13-06-2017 10:50:49	0.000000	0.000703	0.122726	775.4	36.5	0	0.003	0.524
BasinCreek061317_229	BC_CJ	1213079.02272	2303941.05834	13-06-2017 10:59:33	0.000000	0.000701	0.064726	775.1	37.1	-0.001	0.003	0.277
BasinCreek061317_230	BC_CJ	1213137.69573	2303914.33522	13-06-2017 11:04:38	0.000000	0.000466	0.261715	774.3	37.6	-1.977	0.002	1.123
BasinCreek061317_231	BC_CJ	1213319.38763	2303966.61883	13-06-2017 11:10:38	0.000000	0.000000	0.047659	773.9	38.2	-0.768	0	0.205
BasinCreek061317_232	BC_CJ	1213367.90594	2304140.17594	13-06-2017 11:15:26	0.000000	0.002545	0.143452	771.7	38.8	-0.001	0.011	0.62
BasinCreek061317_233	BC_CJ	1213483.44302	2304164.10227	13-06-2017 11:19:30	0.000000	0.002083	0.587770	772.3	39.0	-0.684	0.009	2.54
BasinCreek061317_234	BC_CJ	1213532.50532	2303946.93867	13-06-2017 11:30:53	0.000000	0.001847	0.096760	771.7	39.4	-0.224	0.008	0.419
BasinCreek061317_235	BC_CJ	1213531.65986	2303825.4401	13-06-2017 11:34:48	0.000000	0.000924	0.028644	771.7	39.3	-0.517	0.004	0.124
BasinCreek061317_236	BC_CJ	1213712.44261	2303725.20506	13-06-2017 11:38:15	0.000000	0.000924	0.084295	771.5	39.3	0	0.004	0.365

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061317_237	BC_CJ	1213760.84077	2303940.20845	13-06-2017 11:41:39	0.000000	0.000923	0.259721	770.3	39.2	-0.003	0.004	1.126
BasinCreek061317_238	BC_CJ	1213954.51473	2303947.70721	13-06-2017 11:46:06	0.000000	0.000691	0.097262	769.7	39.2	-0.159	0.003	0.422
BasinCreek061317_239	BC_CJ	1213929.82654	2304128.87015	13-06-2017 11:49:20	0.000000	0.000000	0.173135	769.9	39.2	-0.276	0	0.751
BasinCreek061317_240	BC_CJ	1213779.62938	2304119.49791	13-06-2017 11:53:19	0.000000	0.000692	0.118374	770.6	39.2	-0.972	0.003	0.513
BasinCreek061317_241	BC_CJ	1213770.99764	2304333.60873	13-06-2017 11:58:23	0.000000	0.000692	0.001154	771.1	39.4	-1.989	0.003	0.005
BasinCreek061317_242	BC_CJ	1213637.38552	2304310.63979	13-06-2017 12:05:41	0.000000	0.001388	0.124467	773.6	39.6	-0.548	0.006	0.538
BasinCreek061317_243	BC_CJ	1213389.3082	2304423.84621	13-06-2017 12:12:55	0.000000	0.001156	0.275129	773.1	39.6	-0.576	0.005	1.19
BasinCreek061317_244	BC_CJ	1213518.20982	2304510.73384	13-06-2017 12:16:30	0.000000	0.000927	0.119523	774.3	39.5	-2.267	0.004	0.516
BasinCreek061317_245	BC_CJ	1213377.34609	2304587.58697	13-06-2017 12:21:00	0.000000	0.000927	0.232449	774.7	39.5	-2.189	0.004	1.003
BasinCreek061317_246	BC_CJ	1213184.65695	2304591.01145	13-06-2017 12:25:07	0.000000	0.000696	0.247840	775.0	39.5	-0.133	0.003	1.069
BasinCreek061317_247	BC_CJ	1213137.36355	2304344.18848	13-06-2017 12:29:30	0.000000	0.001160	0.383375	775.5	39.4	-0.487	0.005	1.652
BasinCreek061317_248	BC_CJ	1213141.64059	2304710.33771	13-06-2017 12:36:40	0.622234	0.000696	1.441598	775.0	39.4	2.683	0.003	6.216
BasinCreek061317_249	BC_CJ	1213143.06973	2304774.64562	13-06-2017 12:43:03	4.179854	0.001160	3.817084	776.1	39.6	18.009	0.005	16.446
BasinCreek061317_250	BC_CJ	1212988.10359	2304833.92024	13-06-2017 12:49:44	43.271380	0.001857	14.194350	777.0	40.0	186.458	0.008	61.164
BasinCreek061317_251	BC_CJ	1212979.10776	2304849.9387	13-06-2017 12:52:06	0.494556	0.002788	1.928048	778.0	40.1	2.129	0.012	8.3
BasinCreek061317_252	BC_CJ	1212960.1966	2304903.43845	13-06-2017 12:55:37	3.905356	0.001161	1.532108	778.1	40.4	16.826	0.005	6.601
BasinCreek061317_253	BC_CJ	1212913.68462	2304773.66795	13-06-2017 13:00:19	27.004280	0.001160	3.852784	778.6	40.8	116.42	0.005	16.61
BasinCreek061317_254	BC_CJ	1212954.72469	2304573.4281	13-06-2017 13:03:50	0.557330	0.000924	0.428626	776.6	41.2	2.412	0.004	1.855
BasinCreek061317_255	BC_CJ	1212938.27264	2304399.14022	13-06-2017 13:07:19	0.000000	0.002540	0.165547	776.5	41.4	-0.891	0.011	0.717
BasinCreek061317_256	BC_CJ	1212756.37061	2304381.22999	13-06-2017 13:11:49	0.000000	0.002307	0.326962	776.5	41.6	0	0.01	1.417
BasinCreek061317_257	BC_CJ	1212773.54965	2304506.69045	13-06-2017 13:14:58	0.000000	0.000693	0.148558	777.5	41.6	0	0.003	0.643
BasinCreek061317_258	BC_CJ	1212754.40765	2304747.8844	13-06-2017 13:20:05	0.000000	0.003232	0.769360	776.8	41.6	0	0.014	3.333
BasinCreek061317_259	BC_CJ	1212718.61603	2304955.61163	13-06-2017 13:24:34	0.000000	0.001622	0.075532	779.7	41.6	0	0.007	0.326
BasinCreek061317_260	BC_CJ	1212674.01086	2305084.4881	13-06-2017 13:28:13	0.000000	0.001159	0.073002	779.9	41.6	-0.001	0.005	0.315
BasinCreek061317_261	BC_CJ	1212736.73545	2305131.77139	13-06-2017 13:31:18	0.000000	0.000697	0.171627	781.3	41.5	-0.719	0.003	0.739
BasinCreek061317_262	BC_CJ	1212524.43099	2305145.523	13-06-2017 13:35:41	0.000000	0.001626	0.573906	781.1	41.4	-0.003	0.007	2.471

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061317_263	BC_CJ	1212344.77418	2305109.77634	13-06-2017 13:43:59	0.000000	0.000233	0.000000	783.2	41.0	0	0.001	-48.772
BasinCreek061317_264	BC_CJ	1212319.03681	2304946.15346	13-06-2017 13:50:10	0.000000	0.000935	4.046648	783.8	40.6	0	0.004	17.319
BasinCreek061317_265	BC_CJ	1212503.24851	2304969.20427	13-06-2017 13:54:10	0.000000	0.001633	0.187988	781.9	40.4	0	0.007	0.806
BasinCreek061317_266	BC_CJ	1212596.97816	2304741.99606	13-06-2017 13:59:56	0.000000	0.001162	0.233607	779.0	40.3	0	0.005	1.005
BasinCreek061317_267	BC_CJ	1212579.69575	2304553.44985	13-06-2017 14:03:44	0.000000	0.000930	6.027515	779.2	40.2	0	0.004	25.916
BasinCreek061317_268	BC_CJ	1212608.28177	2304432.48907	13-06-2017 14:06:52	0.000000	0.000697	0.188304	778.6	40.1	-0.176	0.003	0.81
BasinCreek061317_269	BC_CJ	1212389.41557	2304366.18166	13-06-2017 14:11:32	0.000000	0.000930	0.474974	778.4	40.0	-1.366	0.004	2.043
BasinCreek061317_270	BC_CJ	1212359.68634	2304442.37094	13-06-2017 14:14:51	0.000000	0.000700	4.167747	781.7	40.0	-0.002	0.003	17.851
BasinCreek061317_271	BC_CJ	1212327.72395	2304533.0013	13-06-2017 14:17:36	0.000000	0.000000	0.104283	781.1	40.0	0	-0.001	0.447
BasinCreek061317_272	BC_CJ	1212352.39433	2304751.11318	13-06-2017 14:20:16	1.946299	0.000466	0.886420	780.6	40.0	8.348	0.002	3.802
BasinCreek061317_273	BC_CJ	1212211.46189	2304778.53552	13-06-2017 14:22:47	0.000000	0.000233	0.534513	781.4	40.1	-1.795	0.001	2.291
BasinCreek061317_274	BC_CJ	1212174.16648	2304537.20849	13-06-2017 14:25:50	0.000000	0.000234	0.469110	782.3	40.2	0	0.001	2.009
BasinCreek061317_275	BC_CJ	1212162.77827	2304355.43231	13-06-2017 14:28:33	0.000000	0.001634	0.911543	782.1	40.3	0	0.007	3.906
BasinCreek061317_276	BC_CJ	1212154.5769	2304903.02225	13-06-2017 14:33:40	0.000000	0.001167	0.228893	782.7	40.6	-3.608	0.005	0.981
BasinCreek061317_277	BC_CJ	1212134.37317	2305121.74291	13-06-2017 14:37:00	0.000000	0.001398	0.399901	782.0	40.7	0	0.006	1.716
CarbonJunction061517_01	BC_CJ	1215021.58427	2309921.81481	15-06-2017 10:08:32	0.000000	0.000000	0.267501	807.6	25.6	-5.005	-0.002	1.058
CarbonJunction061517_02	BC_CJ	1215024.59307	2310085.31572	15-06-2017 10:11:58	0.000000	0.000252	0.639346	807.7	26.5	-0.001	0.001	2.536
CarbonJunction061517_03	BC_CJ	1214760.92356	2309963.6705	15-06-2017 10:17:07	0.688568	0.002509	1.159574	807.7	27.9	2.744	0.01	4.621
CarbonJunction061517_04	BC_CJ	1214581.77939	2309960.26327	15-06-2017 10:20:40	0.000000	0.000250	0.812651	807.3	29.1	-0.002	0.001	3.253
CarbonJunction061517_05	BC_CJ	1214364.29993	2309972.52012	15-06-2017 10:24:23	0.000000	0.000249	0.000000	807.3	30.4	-0.001	0.001	-0.189
CarbonJunction061517_06	BC_CJ	1214189.97575	2309953.62657	15-06-2017 10:28:51	0.000000	0.000000	0.174032	806.0	31.8	-0.002	0	0.704
CarbonJunction061517_07	BC_CJ	1214204.14936	2309790.30543	15-06-2017 10:33:24	0.000000	0.000982	0.193532	804.7	33.3	-0.001	0.004	0.788
CarbonJunction061517_08	BC_CJ	1214332.73116	2309731.32888	15-06-2017 10:37:01	0.000000	0.001955	0.249323	803.5	34.3	-0.002	0.008	1.02
CarbonJunction061517_09	BC_CJ	1214343.24575	2309581.60809	15-06-2017 10:41:58	0.000000	0.000243	0.178385	803.1	35.5	-0.92	0.001	0.733
CarbonJunction061517_10	BC_CJ	1214353.21362	2309374.34844	15-06-2017 10:47:31	0.000000	0.000484	0.106158	801.1	36.7	0	0.002	0.439
CarbonJunction061517_11	BC_CJ	1214319.06712	2309110.82292	15-06-2017 10:55:03	0.000000	0.000960	0.170907	798.8	38.1	0	0.004	0.712

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction061517_12	BC_CJ	1214208.74001	2309012.41822	15-06-2017 11:02:21	0.000000	0.000715	0.142278	796.4	39.4	-0.001	0.003	0.597
CarbonJunction061517_13	BC_CJ	1214343.35274	2308966.61142	15-06-2017 11:09:14	0.000000	0.001658	0.241062	794.1	40.5	-0.001	0.007	1.018
CarbonJunction061517_14	BC_CJ	1214090.533	2308750.36959	15-06-2017 11:23:26	0.000000	0.001180	0.282307	795.6	42.1	-0.613	0.005	1.196
CarbonJunction061517_15	BC_CJ	1214085.21401	2308611.21896	15-06-2017 11:27:54	0.000000	0.000939	0.342418	792.6	42.5	-0.718	0.004	1.458
CarbonJunction061517_16	BC_CJ	1213982.1995	2308554.48396	15-06-2017 11:31:45	0.000000	0.000469	0.111649	792.6	42.9	-0.502	0.002	0.476
CarbonJunction061517_17	BC_CJ	1213926.71114	2308367.28545	15-06-2017 11:38:32	0.000000	0.001402	0.000000	791.7	43.7	-0.853	0.006	-0.132
CarbonJunction061517_18	BC_CJ	1213999.58065	2308212.38851	15-06-2017 11:45:46	0.000000	0.003727	0.219904	790.9	44.4	0	0.016	0.944
CarbonJunction061517_19	BC_CJ	1214148.54908	2308019.25071	15-06-2017 11:53:21	0.000000	0.001863	0.126235	792.0	44.9	-1.703	0.008	0.542
CarbonJunction061517_20	BC_CJ	1214188.92828	2307843.44419	15-06-2017 12:10:14	0.000000	0.000466	0.000000	792.4	45.0	-1.516	0.002	-0.089
CarbonJunction061517_21	BC_CJ	1214353.08889	2307803.78822	15-06-2017 12:14:36	0.000000	0.001393	0.645870	789.5	44.8	-5.34	0.006	2.781
CarbonJunction061517_22	BC_CJ	1214528.85754	2307739.39235	15-06-2017 12:20:18	0.000000	0.000927	0.266372	787.9	45.0	0	0.004	1.15
CarbonJunction061517_23	BC_CJ	1214585.76038	2307581.15992	15-06-2017 12:26:31	0.000000	0.001846	0.209750	785.4	45.2	-0.86	0.008	0.909
CarbonJunction061517_24	BC_CJ	1214707.02733	2307552.6487	15-06-2017 12:28:10	0.000000	0.000000	0.177508	785.4	45.5	-0.034	-0.002	0.77
CarbonJunction061517_25	BC_CJ	1214983.74651	2307566.45902	15-06-2017 12:37:31	0.000000	0.001838	1.033975	783.8	45.9	-0.637	0.008	4.5
CarbonJunction061517_26	BC_CJ	1215160.78396	2307563.53334	15-06-2017 12:41:00	0.000000	0.001614	0.207778	786.9	46.0	-2.729	0.007	0.901
CarbonJunction061517_27	BC_CJ	1215145.35156	2307390.18472	15-06-2017 12:44:50	0.279641	0.001153	0.408972	786.9	46.1	1.213	0.005	1.774
CarbonJunction061517_28	BC_CJ	1215369.64393	2307339.60185	15-06-2017 12:49:04	0.000000	0.001380	0.108795	785.6	46.3	-0.001	0.006	0.473
CarbonJunction061517_29	BC_CJ	1215395.7672	2307155.89777	15-06-2017 12:54:14	0.000000	0.000000	0.149645	783.2	46.5	-0.852	-0.001	0.653
CarbonJunction061517_30	BC_CJ	1215421.21743	2307130.31305	15-06-2017 12:56:37	0.000000	0.000916	0.062065	783.2	46.7	0	0.004	0.271
CarbonJunction061517_31	BC_CJ	1215361.67834	2307033.08762	15-06-2017 13:00:13	5.598499	0.001602	1.804129	783.1	46.8	24.456	0.007	7.881
CarbonJunction061517_32	BC_CJ	1215430.26536	2307024.38776	15-06-2017 13:03:46	0.000000	0.001143	0.180537	782.0	46.9	-2.303	0.005	0.79
CarbonJunction061517_33	BC_CJ	1215417.37187	2306942.23556	15-06-2017 13:06:58	0.000000	0.000915	0.028136	783.0	47.0	-1.719	0.004	0.123
CarbonJunction061517_34	BC_CJ	1215417.78778	2306851.08055	15-06-2017 13:09:39	0.000000	0.000457	0.019880	782.4	47.1	0	0.002	0.087
CarbonJunction061517_35	BC_CJ	1215331.53049	2306758.14603	15-06-2017 13:14:00	0.000000	0.002053	0.430474	781.6	47.3	-0.01	0.009	1.887
CarbonJunction061517_36	BC_CJ	1215406.91311	2306695.67247	15-06-2017 13:18:10	0.000000	0.004326	0.022766	780.5	47.5	-13.718	0.019	0.1
CarbonJunction061517_37	BC_CJ	1215364.42413	2307505.42447	15-06-2017 13:28:51	0.000000	0.002508	0.116751	782.0	47.6	-0.819	0.011	0.512

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction061517_38	BC_CJ	1215207.39584	2307734.71085	15-06-2017 13:36:01	0.000000	0.002062	0.000000	785.4	47.5	-0.183	0.009	-0.064
CarbonJunction061517_39	BC_CJ	1215019.84904	2307759.02692	15-06-2017 13:39:58	0.000000	0.001610	1.324982	788.1	47.4	-0.709	0.007	5.762
CarbonJunction061517_40	BC_CJ	1214994.82785	2307917.50518	15-06-2017 13:43:33	0.000000	0.002303	0.409989	789.4	47.4	-0.78	0.01	1.78
CarbonJunction061517_41	BC_CJ	1214943.46657	2308125.92391	15-06-2017 13:48:47	0.000000	0.002303	0.155445	789.5	47.5	-1.095	0.01	0.675
CarbonJunction061517_42	BC_CJ	1214995.4802	2308286.1188	15-06-2017 13:53:31	0.000000	0.002766	0.156266	790.9	47.8	-0.001	0.012	0.678
CarbonJunction061517_43	BC_CJ	1214774.93844	2308152.10189	15-06-2017 13:58:04	0.000000	0.002308	0.045460	792.6	48.1	-0.199	0.01	0.197
CarbonJunction061517_44	BC_CJ	1214731.81008	2308044.12426	15-06-2017 14:03:25	0.000000	0.002767	0.253662	792.3	48.2	-1.061	0.012	1.1
CarbonJunction061517_45	BC_CJ	1214734.03209	2307848.36171	15-06-2017 14:11:13	0.000000	0.002300	0.060947	790.2	48.2	-0.72	0.01	0.265
CarbonJunction061517_46	BC_CJ	1214567.79912	2308008.60715	15-06-2017 14:19:19	0.000000	0.001837	0.232367	788.9	48.2	-0.568	0.008	1.012
CarbonJunction061517_47	BC_CJ	1214358.57984	2307961.34515	15-06-2017 14:25:02	0.000000	0.001837	0.134135	788.9	48.1	-1.075	0.008	0.584
CarbonJunction061517_48	BC_CJ	1214549.72052	2308128.63228	15-06-2017 14:29:20	0.000000	0.001610	0.164630	789.5	48.0	-0.554	0.007	0.716
CarbonJunction061517_49	BC_CJ	1214382.82361	2308141.26602	15-06-2017 14:33:45	0.000000		0.068576	790.4	48.1	-0.136		0.298
CarbonJunction061517_50	BC_CJ	1214229.93845	2308221.93743	15-06-2017 14:37:20	0.000000	0.001844	0.000000	791.6	48.1	-1.045	0.008	-0.178
CarbonJunction061517_51	BC_CJ	1214183.19212	2308349.5781	15-06-2017 14:40:24	0.000000	0.001384	0.129647	792.6	48.2	-0.911	0.006	0.562
CarbonJunction061517_52	BC_CJ	1214333.15404	2308363.27631	15-06-2017 14:44:03	0.000000	0.002078	0.582424	793.7	48.3	0	0.009	2.522
CarbonJunction061517_53	BC_CJ	1214538.40765	2308399.03392	15-06-2017 14:48:17	0.095603	0.001616	0.133013	794.4	48.6	0.414	0.007	0.576
CarbonJunction061517_54	BC_CJ	1214716.74813	2308560.79682	15-06-2017 14:52:39	0.000000	0.002312	0.000000	795.6	48.7	0	0.01	-0.248
CarbonJunction061517_55	BC_CJ	1214722.23174	2308441.69383	15-06-2017 14:56:07	0.000000	0.001615	0.374051	794.3	48.8	-0.498	0.007	1.621
CarbonJunction061517_56	BC_CJ	1214592.47721	2308601.19336	15-06-2017 14:59:26	0.000000	0.000922	0.999269	793.9	48.9	-0.333	0.004	4.334
CarbonJunction061517_57	BC_CJ	1214389.68704	2308617.34533	15-06-2017 15:02:46	0.000000	0.002079	0.167697	795.6	49.0	-0.742	0.009	0.726
CarbonJunction061517_58	BC_CJ	1214378.99841	2308792.9037	15-06-2017 15:05:05	0.000000	0.005551	0.656134	796.6	49.0	-0.364	0.024	2.837
CarbonJunction061617_100	BC_CJ	1214421.58698	2310327.90568	16-06-2017 13:23:27	0.000000	0.001875	0.539150	807.4	49.0	-0.007	0.008	2.3
CarbonJunction061617_101	BC_CJ	1214194.21291	2310318.10989	16-06-2017 13:26:24	0.000000	0.003515	0.188164	807.1	49.0	0	0.015	0.803
CarbonJunction061617_102	BC_CJ	1214183.80581	2310156.83578	16-06-2017 13:29:57	0.000000	0.001405	0.191992	806.7	49.1	0	0.006	0.82
CarbonJunction061617_103	BC_CJ	1214316.44257	2310111.82884	16-06-2017 13:33:16	0.000000	0.001870	0.161021	805.2	49.1	-8.333	0.008	0.689
CarbonJunction061617_104	BC_CJ	1214505.07421	2310086.31915	16-06-2017 13:37:03	25.922070	0.001869	0.871491	805.0	49.1	110.947	0.008	3.73

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction061617_105	BC_CJ	1214527.42304	2310108.38907	16-06-2017 13:40:53	577.602200	0.252616	6.142704	805.4	49.2	2471.689	1.081	26.286
CarbonJunction061617_106	BC_CJ	1214556.07441	2310110.00757	16-06-2017 13:43:25	14.190730	0.000000	1.529301	805.8	49.3	60.714	-0.017	6.543
CarbonJunction061617_107	BC_CJ	1214578.20447	2310151.3686	16-06-2017 13:45:42	0.000000	0.004911	1.057353	806.3	49.3	-0.045	0.021	4.521
CarbonJunction061617_108	BC_CJ	1214769.15552	2310172.29689	16-06-2017 13:48:51	0.000000	0.001402	0.192337	806.2	49.5	-1.209	0.006	0.823
CarbonJunction061617_109	BC_CJ	1214877.14131	2310193.58768	16-06-2017 13:52:30	8.303231	0.006538	1.587795	806.0	49.7	35.56	0.028	6.8
CarbonJunction061617_110	BC_CJ	1214897.93963	2310176.29591	16-06-2017 13:54:20	1.225024	0.005836	0.226191	806.0	49.8	5.248	0.025	0.969
CarbonJunction061617_59	BC_CJ	1214936.99904	2309775.74445	16-06-2017 09:54:29	0.000000	0.002221	0.418327	806.0	32.3	-10.039	0.009	1.695
CarbonJunction061617_60	BC_CJ	1214901.02591	2309536.55707	16-06-2017 10:01:20	0.000000	0.000980	0.169865	806.0	34.4	-0.001	0.004	0.693
CarbonJunction061617_61	BC_CJ	1214860.6558	2309428.61391	16-06-2017 10:04:11	0.000000	0.000732	0.140460	804.2	35.3	-1.416	0.003	0.576
CarbonJunction061617_62	BC_CJ	1214770.13091	2309176.62372	16-06-2017 10:08:55	0.000000	0.000970	0.501028	803.4	36.7	-0.005	0.004	2.066
CarbonJunction061617_63	BC_CJ	1214780.12966	2308994.5829	16-06-2017 10:13:25	0.000000	0.000482	0.103378	801.4	37.9	0	0.002	0.429
CarbonJunction061617_64	BC_CJ	1214664.35608	2308816.44837	16-06-2017 10:18:37	0.000000	0.005502	0.460471	799.1	39.3	-0.377	0.023	1.925
CarbonJunction061617_65	BC_CJ	1214735.55007	2308756.63995	16-06-2017 10:21:31	0.000000	0.000952	0.237389	797.2	40.0	-0.001	0.004	0.997
CarbonJunction061617_66	BC_CJ	1214595.11119	2308881.39563	16-06-2017 10:26:48	0.000000	0.001423	0.112683	796.8	41.0	-0.001	0.006	0.475
CarbonJunction061617_67	BC_CJ	1214578.19964	2309148.01103	16-06-2017 10:34:55	0.000000	0.000236	0.780070	797.5	42.3	-0.001	0.001	3.299
CarbonJunction061617_68	BC_CJ	1214532.74883	2309344.11515	16-06-2017 10:44:19	0.000000	0.004974	0.535049	800.1	42.8	0	0.021	2.259
CarbonJunction061617_69	BC_CJ	1214657.82956	2309301.98937	16-06-2017 10:48:41	0.702219	0.001658	0.642063	800.3	42.9	2.965	0.007	2.711
CarbonJunction061617_70	BC_CJ	1214656.83438	2309312.01085	16-06-2017 10:52:07	26.342510	0.001423	2.616606	801.4	42.9	111.074	0.006	11.033
CarbonJunction061617_71	BC_CJ	1214664.82072	2309334.49807	16-06-2017 10:54:50	6.251629	0.000474	3.587331	801.7	43.1	26.367	0.002	15.13
CarbonJunction061617_72	BC_CJ	1214661.19933	2309356.67986	16-06-2017 10:59:51	13.300880	0.004973	1.951010	801.8	43.5	56.162	0.021	8.238
CarbonJunction061617_73	BC_CJ	1214683.99511	2309393.98702	16-06-2017 11:03:07	2.168092	0.000947	0.725143	802.0	43.8	9.161	0.004	3.064
CarbonJunction061617_74	BC_CJ	1214729.5257	2309397.89708	16-06-2017 11:05:27	0.000000	0.000000	0.119737	802.4	44.0	-2.669	-0.001	0.506
CarbonJunction061617_75	BC_CJ	1214763.30892	2309634.64598	16-06-2017 11:12:22	0.000000	0.001653	0.050305	802.6	44.7	-0.055	0.007	0.213
CarbonJunction061617_76	BC_CJ	1214692.56477	2309620.11488	16-06-2017 11:17:15	13.416610	0.005676	2.951616	804.5	45.0	56.728	0.024	12.48
CarbonJunction061617_77	BC_CJ	1214675.28901	2309671.6197	16-06-2017 11:22:37	365.866900	0.133045	4.339438	804.6	45.3	1548.222	0.563	18.363
CarbonJunction061617_78	BC_CJ	1214521.28349	2309596.34916	16-06-2017 11:32:22	68.312270	0.006813	2.595996	801.4	45.9	290.775	0.029	11.05

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction061617_79	BC_CJ	1214537.27755	2309684.26574	16-06-2017 11:41:03	0.000000	0.004457	0.541843	801.4	46.4	-2.925	0.019	2.31
CarbonJunction061617_80	BC_CJ	1214566.78971	2309708.61314	16-06-2017 11:47:12	0.000000	0.006104	0.056817	802.9	46.7	-0.344	0.026	0.242
CarbonJunction061617_81	BC_CJ	1214480.09954	2309774.66934	16-06-2017 11:52:40	54.492300	0.010566	4.705373	804.0	47.1	232.069	0.045	20.039
CarbonJunction061617_82	BC_CJ	1214470.39379	2309794.62578	16-06-2017 11:56:51	114.887400	0.004224	1.928705	804.0	47.3	489.582	0.018	8.219
CarbonJunction061617_83	BC_CJ	1214442.16306	2309806.81242	16-06-2017 12:01:52	48.806450	0.009146	5.053391	804.0	47.5	208.114	0.039	21.548
CarbonJunction061617_84	BC_CJ	1214421.08635	2309836.53466	16-06-2017 12:06:01	177.976200	0.016875	1.030767	804.0	47.7	759.376	0.072	4.398
CarbonJunction061617_85	BC_CJ	1214455.15301	2309826.29362	16-06-2017 12:11:50	134.463200	0.002810	1.586151	804.0	48.0	574.254	0.012	6.774
CarbonJunction061617_86	BC_CJ	1214459.64146	2309860.4623	16-06-2017 12:15:02	0.000000	0.014752	0.249841	804.5	48.2	-1.546	0.063	1.067
CarbonJunction061617_87	BC_CJ	1214649.13019	2309753.09853	16-06-2017 12:19:10	156.933400	0.067615	2.050688	804.6	48.5	670.761	0.289	8.765
CarbonJunction061617_88	BC_CJ	1214754.86371	2309725.20675	16-06-2017 12:23:57	0.000000	0.007714	0.407184	804.6	48.8	-1.38	0.033	1.742
CarbonJunction061617_89	BC_CJ	1215233.45375	2310275.33446	16-06-2017 12:48:22	0.000000	0.001634	0.104134	804.2	49.0	-0.236	0.007	0.446
CarbonJunction061617_90	BC_CJ	1215182.95522	2310307.59084	16-06-2017 12:51:03	0.000000	0.005386	0.255241	806.3	48.9	-0.001	0.023	1.09
CarbonJunction061617_91	BC_CJ	1215175.76969	2310317.92674	16-06-2017 12:53:07	0.000000	0.006094	0.459862	806.8	48.8	-0.135	0.026	1.962
CarbonJunction061617_92	BC_CJ	1215157.99924	2310329.90973	16-06-2017 12:55:21	0.000000	0.009379	0.070341	807.1	48.8	-1.893	0.04	0.3
CarbonJunction061617_93	BC_CJ	1215139.55976	2310331.09989	16-06-2017 12:57:20	0.000000	0.004689	0.328923	807.0	48.8	-1.023	0.02	1.403
CarbonJunction061617_94	BC_CJ	1214958.99396	2310354.84323	16-06-2017 13:03:18	0.580443	0.004454	0.376022	807.2	48.9	2.476	0.019	1.604
CarbonJunction061617_95	BC_CJ	1214940.58229	2310353.58331	16-06-2017 13:06:49	20.006700	0.015712	1.170698	807.5	48.9	85.311	0.067	4.992
CarbonJunction061617_96	BC_CJ	1214899.2285	2310340.95422	16-06-2017 13:09:28	1.989143	0.003986	1.637883	807.4	48.9	8.483	0.017	6.985
CarbonJunction061617_97	BC_CJ	1214895.43598	2310353.51999	16-06-2017 13:11:53	1.482654	0.018290	1.546199	807.4	48.9	6.323	0.078	6.594
CarbonJunction061617_98	BC_CJ	1214775.69701	2310287.54281	16-06-2017 13:16:12	0.498128	0.002579	1.821155	807.4	49.0	2.125	0.011	7.769
CarbonJunction061617_99	BC_CJ	1214587.17873	2310332.28717	16-06-2017 13:20:30	0.000000	0.004685	0.320439	806.8	49.0	0	0.02	1.368
BasinCreek061917_278	BC_CJ	1212185.54007	2305562.8763	19-06-2017 09:55:05	0.000000	0.000241	0.168415	791.9	34.7	-2.588	0.001	0.7
BasinCreek061917_279	BC_CJ	1212310.78835	2305811.29689	19-06-2017 10:00:31	0.000000	0.000479	0.171668	791.9	36.2	-0.345	0.002	0.717
BasinCreek061917_280	BC_CJ	1212318.23204	2305968.044	19-06-2017 10:05:07	0.000000	0.000239	0.000000	792.4	36.9	0	0.001	-0.099
BasinCreek061917_281	BC_CJ	1212455.40323	2306036.67451	19-06-2017 10:11:08	0.000000	0.000478	0.219906	793.3	37.6	0	0.002	0.921
BasinCreek061917_282	BC_CJ	1212766.22918	2306000.83672	19-06-2017 10:20:33	0.000000	0.000477	0.185623	795.0	38.9	-1.022	0.002	0.779

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061917_283	BC_CJ	1212907.11555	2306021.96455	19-06-2017 10:24:42	0.000000	0.001661	0.706038	792.8	39.4	-3.373	0.007	2.976
BasinCreek061917_284	BC_CJ	1212974.29331	2306103.03624	19-06-2017 10:27:42	0.000000	0.002367	0.139900	791.8	39.7	-1.765	0.01	0.591
BasinCreek061917_285	BC_CJ	1213199.51762	2306217.56395	19-06-2017 10:32:43	0.000000	0.000946	0.135516	792.6	40.3	-1.489	0.004	0.573
BasinCreek061917_286	BC_CJ	1213167.47552	2306327.65912	19-06-2017 10:35:44	0.000000	0.000472	0.145390	792.0	40.7	-0.343	0.002	0.616
BasinCreek061917_287	BC_CJ	1213275.80939	2306128.05845	19-06-2017 10:41:19	0.000000	0.002119	0.093257	792.0	41.4	0	0.009	0.396
BasinCreek061917_288	BC_CJ	1213311.62658	2305984.89991	19-06-2017 10:47:58	0.000000	0.000939	0.258850	791.0	42.1	0	0.004	1.103
BasinCreek061917_289	BC_CJ	1213479.26296	2305882.46821	19-06-2017 10:52:32	0.000000	0.000469	0.369853	791.0	42.5	-0.426	0.002	1.578
BasinCreek061917_290	BC_CJ	1213591.13083	2306127.72128	19-06-2017 11:02:38	0.000000	0.001401	0.156430	790.2	43.4	-3.515	0.006	0.67
BasinCreek061917_291	BC_CJ	1213653.7792	2306167.12504	19-06-2017 11:05:41	0.000000	0.001170	0.118145	792.3	43.6	-1.456	0.005	0.505
BasinCreek061917_292	BC_CJ	1213342.97179	2306356.09835	19-06-2017 11:11:58	0.000000	0.000935	0.156658	792.6	43.9	-0.925	0.004	0.67
BasinCreek061917_293	BC_CJ	1213329.33927	2306502.86102	19-06-2017 11:16:37	0.000000	0.001170	0.088249	794.0	44.1	-1.18	0.005	0.377
BasinCreek061917_294	BC_CJ	1213546.42792	2306390.94916	19-06-2017 11:22:25	0.000000	0.001403	0.168859	793.3	44.1	0	0.006	0.722
BasinCreek061917_295	BC_CJ	1213592.5004	2306553.38949	19-06-2017 11:26:33	0.000000	0.001631	0.217917	790.8	44.2	-0.804	0.007	0.935
BasinCreek061917_296	BC_CJ	1213672.473	2306598.40207	19-06-2017 11:30:09	0.000000	0.001398	0.184775	790.6	44.2	-0.401	0.006	0.793
BasinCreek061917_297	BC_CJ	1213797.69332	2306384.66928	19-06-2017 11:36:57	0.000000	0.002556	0.284464	789.8	44.7	-0.027	0.011	1.224
BasinCreek061917_298	BC_CJ	1213948.28111	2306410.64339	19-06-2017 11:42:11	0.000000	0.002092	0.350005	790.8	45.1	-0.001	0.009	1.506
BasinCreek061917_299	BC_CJ	1214078.65047	2306422.25316	19-06-2017 11:48:24	0.000000	0.000696	0.257502	790.6	45.6	-0.647	0.003	1.11
BasinCreek061917_300	BC_CJ	1213970.0406	2306539.86333	19-06-2017 11:52:27	0.000000	0.001389	0.073155	789.7	45.9	0	0.006	0.316
BasinCreek061917_301	BC_CJ	1213954.19032	2306700.33604	19-06-2017 11:57:44	0.000000	0.001155	0.415809	788.5	46.1	-0.796	0.005	1.8
BasinCreek061917_302	BC_CJ	1214084.99616	2306794.48046	19-06-2017 12:01:52	0.000000	0.000923	0.052178	788.3	46.2	-0.533	0.004	0.226
BasinCreek061917_303	BC_CJ	1214220.23488	2306600.44886	19-06-2017 12:06:49	0.000000	0.003227	0.031808	787.0	46.2	-0.001	0.014	0.138
BasinCreek061917_304	BC_CJ	1214239.66143	2306902.07259	19-06-2017 12:13:40	0.000000	0.001384	0.179867	788.1	46.5	-0.653	0.006	0.78
BasinCreek061917_305	BC_CJ	1214317.26226	2307063.62662	19-06-2017 12:21:28	0.000000	0.001380	0.219812	786.3	46.7	-0.111	0.006	0.956
BasinCreek061917_306	BC_CJ	1214407.22141	2307116.8226	19-06-2017 12:25:43	0.000000	0.000230	0.843531	785.8	46.7	-1.224	0.001	3.671
BasinCreek061917_307	BC_CJ	1214287.24245	2307303.15536	19-06-2017 12:31:10	0.000000	0.007344	0.116351	784.8	46.7	-0.758	0.032	0.507
BasinCreek061917_308	BC_CJ	1214429.82576	2307376.02559	19-06-2017 12:35:36	0.000000	0.001147	0.144532	784.3	46.6	-0.001	0.005	0.63

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061917_309	BC_CJ	1214600.53348	2307384.2512	19-06-2017 12:42:34	0.000000	0.000917	0.127490	783.9	46.6	-1.092	0.004	0.556
BasinCreek061917_310	BC_CJ	1214696.829	2307380.60612	19-06-2017 12:46:07	0.000000	0.000917	0.053420	783.8	46.6	-0.62	0.004	0.233
BasinCreek061917_311	BC_CJ	1214873.01451	2307433.61463	19-06-2017 12:55:05	0.000000	0.001144	0.012130	783.4	47.0	-2.044	0.005	0.053
BasinCreek061917_312	BC_CJ	1214891.6013	2307311.80139	19-06-2017 13:00:10	5.422898	0.005950	0.980177	783.6	47.1	23.696	0.026	4.283
BasinCreek061917_313	BC_CJ	1214920.88351	2307332.57148	19-06-2017 13:03:36	0.612017	0.013026	3.749573	783.0	47.3	2.678	0.057	16.407
BasinCreek061917_314	BC_CJ	1214886.25147	2307225.20971	19-06-2017 13:08:36	73.815740	0.001827	9.707133	783.0	47.5	323.197	0.008	42.502
BasinCreek061917_315	BC_CJ	1214922.17855	2307138.01922	19-06-2017 13:12:54	0.000000	0.006609	0.334767	782.0	47.8	-1.831	0.029	1.469
BasinCreek061917_316	BC_CJ	1214948.16777	2306967.26752	19-06-2017 13:17:13	0.000000	0.002047	0.090067	781.2	48.1	-0.422	0.009	0.396
BasinCreek061917_317	BC_CJ	1215100.96045	2306973.51012	19-06-2017 13:22:38	0.544314	0.001136	12.878320	781.1	48.3	2.395	0.005	56.665
BasinCreek061917_318	BC_CJ	1215145.78733	2307001.45044	19-06-2017 13:27:46	0.000000	0.000680	0.008846	780.3	48.6	-0.282	0.003	0.039
BasinCreek061917_319	BC_CJ	1215198.05622	2306815.71972	19-06-2017 13:32:20	0.000000	0.001812	0.344279	779.9	48.9	-2.783	0.008	1.52
BasinCreek061917_320	BC_CJ	1214965.42295	2306580.26286	19-06-2017 13:37:52	0.000000	0.002266	0.189921	781.1	49.2	-0.355	0.01	0.838
BasinCreek061917_321	BC_CJ	1214923.61331	2306719.87464	19-06-2017 13:41:58	0.000000	0.002044	0.267945	782.6	49.2	-0.39	0.009	1.18
BasinCreek061917_322	BC_CJ	1214796.45818	2306568.13789	19-06-2017 13:47:21	0.000000	0.009537	0.256591	782.6	49.2	-0.647	0.042	1.13
BasinCreek061917_323	BC_CJ	1214753.47228	2306808.94746	19-06-2017 13:51:42	0.662970	0.000455	1.241505	783.9	49.0	2.913	0.002	5.455
BasinCreek061917_324	BC_CJ	1214727.52385	2306924.8281	19-06-2017 13:57:26	0.000000	0.002047	0.345489	783.4	49.0	-1.382	0.009	1.519
BasinCreek061917_325	BC_CJ	1214761.73501	2307177.04778	19-06-2017 14:04:54	0.000000	0.001816	0.173889	781.9	49.0	-0.785	0.008	0.766
BasinCreek061917_326	BC_CJ	1214631.44293	2307064.84389	19-06-2017 14:08:26	0.000000	0.002042	0.281781	781.2	48.9	-0.175	0.009	1.242
BasinCreek061917_327	BC_CJ	1214585.12779	2306860.03949	19-06-2017 14:11:42	0.000000	0.001818	0.157220	782.3	48.9	-0.237	0.008	0.692
BasinCreek061917_328	BC_CJ	1214437.35875	2306930.49665	19-06-2017 14:15:00	0.000000	0.001818	1.072005	782.7	48.9	-0.966	0.008	4.716
BasinCreek061917_329	BC_CJ	1214506.7001	2306823.1884	19-06-2017 14:17:58	0.000000	0.002503	0.373374	783.2	48.8	0	0.011	1.641
BasinCreek061917_330	BC_CJ	1214393.29215	2306753.20331	19-06-2017 14:20:56	0.000000	0.001366	0.110180	783.6	48.8	-0.665	0.006	0.484
BasinCreek061917_331	BC_CJ	1214525.37084	2306703.60413	19-06-2017 14:24:57	0.402641	0.002511	0.929452	785.7	48.8	1.764	0.011	4.072
BasinCreek061917_332	BC_CJ	1214527.60417	2306540.15476	19-06-2017 14:28:59	0.000000	0.002278	0.126644	784.3	48.9	-1.238	0.01	0.556
BasinCreek061917_333	BC_CJ	1214445.05027	2306552.09725	19-06-2017 14:32:05	1.391362	0.002054	0.686095	785.9	48.9	6.096	0.009	3.006
BasinCreek061917_334	BC_CJ	1214543.52743	2306375.38412	19-06-2017 14:37:05	0.000000	0.002057	0.045486	786.8	48.8	-0.001	0.009	0.199

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061917_335	BC_CJ	1214387.96814	2306343.57855	19-06-2017 14:41:22	0.000000	0.001828	0.073796	786.2	48.7	-0.311	0.008	0.323
BasinCreek062017_336	BC_CJ	1213495.96935	2304718.84909	20-06-2017 09:54:45	0.000000	0.000000	0.305696	784.5	32.4	-0.591	0	1.273
BasinCreek062017_337	BC_CJ	1213405.74294	2304746.84161	20-06-2017 09:58:54	0.000000	0.000000	0.976567	784.5	33.1	-0.331	-0.001	4.076
BasinCreek062017_338	BC_CJ	1213405.0823	2304791.84735	20-06-2017 10:01:31	0.000000	0.002393	0.233577	784.9	33.6	-1.077	0.01	0.976
BasinCreek062017_339	BC_CJ	1213575.74717	2304753.71844	20-06-2017 10:05:30	0.000000	0.000239	0.084125	785.1	34.1	0	0.001	0.352
BasinCreek062017_340	BC_CJ	1213761.85513	2304950.02289	20-06-2017 10:09:12	0.000000	0.000239	0.177250	784.7	34.5	0	0.001	0.743
BasinCreek062017_341	BC_CJ	1213794.24809	2305111.43522	20-06-2017 10:12:45	0.000000	0.000477	0.269482	785.2	34.8	-1.499	0.002	1.13
BasinCreek062017_342	BC_CJ	1213639.1321	2305117.79968	20-06-2017 10:16:41	131.471300	0.000715	3.912194	786.0	35.1	551.265	0.003	16.404
BasinCreek062017_343	BC_CJ	1213641.05201	2305043.06374	20-06-2017 10:20:40	1.258320	0.004526	1.602322	785.9	35.4	5.282	0.019	6.726
BasinCreek062017_344	BC_CJ	1213558.36393	2305109.77245	20-06-2017 10:23:21	0.000000	0.000951	0.073955	785.5	35.8	-0.401	0.004	0.311
BasinCreek062017_345	BC_CJ	1213536.5169	2304989.39997	20-06-2017 10:26:52	0.000000	0.000000	0.425600	785.6	36.4	-1.691	0	1.793
BasinCreek062017_346	BC_CJ	1213389.23791	2304912.13273	20-06-2017 10:30:37	0.000000	0.000237	0.071542	785.8	37.1	-0.513	0.001	0.302
BasinCreek062017_347	BC_CJ	1213176.46082	2304935.37001	20-06-2017 10:35:39	0.000000	0.004263	0.399313	787.4	37.8	-0.82	0.018	1.686
BasinCreek062017_348	BC_CJ	1213169.31091	2305084.66875	20-06-2017 10:40:50	0.000000	0.001654	0.276411	787.2	38.5	-0.375	0.007	1.17
BasinCreek062017_349	BC_CJ	1213376.08831	2305141.40596	20-06-2017 10:45:46	0.000000	0.000947	0.728449	790.1	39.1	-0.832	0.004	3.078
BasinCreek062017_350	BC_CJ	1213588.4456	2305358.78804	20-06-2017 10:49:41	0.000000	0.001413	0.337846	787.0	39.5	-0.002	0.006	1.435
BasinCreek062017_351	BC_CJ	1213753.41447	2305343.27196	20-06-2017 10:53:14	0.000000	0.000000	0.004002	788.2	40.0	0	-0.002	0.017
BasinCreek062017_352	BC_CJ	1213504.93069	2305500.2079	20-06-2017 10:57:55	2.112779	0.000235	0.977838	787.5	40.5	8.997	0.001	4.164
BasinCreek062017_353	BC_CJ	1213400.58416	2305515.9196	20-06-2017 11:01:03	0.000000	0.000940	0.479183	789.1	40.9	-0.804	0.004	2.039
BasinCreek062017_354	BC_CJ	1213268.71055	2305384.99285	20-06-2017 11:04:51	2.152956	0.008918	1.095253	789.0	41.3	9.174	0.038	4.667
BasinCreek062017_355	BC_CJ	1213345.47117	2305344.91049	20-06-2017 11:08:10	444.490100	0.001875	20.544850	788.6	41.6	1896.793	0.008	87.672
BasinCreek062017_356	BC_CJ	1213583.72858	2305713.445	20-06-2017 11:13:05	0.000000	0.000234	0.053954	788.0	42.4	-16.619	0.001	0.231
BasinCreek062017_357	BC_CJ	1213476.35581	2305701.31496	20-06-2017 11:17:10	0.000000	0.000937	0.100713	791.2	42.8	-1.517	0.004	0.43
BasinCreek062017_358	BC_CJ	1213402.06048	2305697.82725	20-06-2017 11:20:55	4.228720	0.000234	2.389384	790.0	43.2	18.105	0.001	10.23
BasinCreek062017_359	BC_CJ	1213302.04215	2305719.12153	20-06-2017 11:23:59	0.000000	0.000000	0.677086	790.2	43.4	-0.441	-0.001	2.9
BasinCreek062017_360	BC_CJ	1213251.63852	2305770.86798	20-06-2017 11:26:33	0.000000	0.000000	2.006176	790.2	43.6	-0.136	0	8.598

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek062017_361	BC_CJ	1213141.04328	2305908.84479	20-06-2017 11:30:16	0.000000	0.010489	0.787862	790.4	44.0	-0.001	0.045	3.38
BasinCreek062017_362	BC_CJ	1213148.26341	2305751.30669	20-06-2017 11:33:13	0.000000	0.004661	0.250764	791.0	44.3	-1.156	0.02	1.076
BasinCreek062017_363	BC_CJ	1213163.0461	2305558.24535	20-06-2017 11:37:21	0.718041	0.001627	4.227382	789.7	44.7	3.09	0.007	18.192
BasinCreek062017_364	BC_CJ	1213161.44367	2305387.50421	20-06-2017 11:41:06	0.000000	0.000930	0.393515	790.9	45.1	-0.817	0.004	1.693
BasinCreek062017_365	BC_CJ	1213052.31072	2305247.69805	20-06-2017 11:44:39	0.000000	0.000928	0.065195	790.2	45.4	-0.238	0.004	0.281
BasinCreek062017_366	BC_CJ	1212770.67941	2305301.40923	20-06-2017 11:54:12	11.187680	0.001855	2.108616	791.2	46.0	48.25	0.008	9.094
BasinCreek062017_367	BC_CJ	1212813.84956	2305296.26888	20-06-2017 11:57:31	2.007437	0.001156	2.521151	789.5	46.1	8.679	0.005	10.9
BasinCreek062017_368	BC_CJ	1212934.03485	2305346.08446	20-06-2017 12:02:43	0.000000	0.002311	0.135645	789.5	46.4	-0.001	0.01	0.587
BasinCreek062017_369	BC_CJ	1212813.52335	2305482.86555	20-06-2017 12:07:17	15.306590	0.001851	3.250793	791.6	46.8	66.146	0.008	14.048
BasinCreek062017_370	BC_CJ	1212766.81266	2305488.5371	20-06-2017 12:10:08	2.611799	0.000231	1.588181	792.0	47.0	11.288	0.001	6.864
BasinCreek062017_371	BC_CJ	1212935.25684	2305560.67189	20-06-2017 12:13:33	0.000000	0.001619	0.097368	792.4	47.3	-0.39	0.007	0.421
BasinCreek062017_372	BC_CJ	1212805.66404	2305604.87535	20-06-2017 12:18:08	0.000000	0.001850	0.190368	793.0	47.5	-1.633	0.008	0.823
BasinCreek062017_373	BC_CJ	1212802.18933	2305671.66278	20-06-2017 12:20:40	0.000000	0.001388	0.093443	793.2	47.6	-1.276	0.006	0.404
BasinCreek062017_374	BC_CJ	1212907.99055	2305783.87506	20-06-2017 12:25:18	0.000000	0.001388	0.019204	793.7	47.7	-2.53	0.006	0.083
BasinCreek062017_375	BC_CJ	1212541.99407	2305765.15919	20-06-2017 12:33:55	0.000000	0.001387	0.232247	792.5	47.6	-1.398	0.006	1.005
BasinCreek062017_376	BC_CJ	1212377.73446	2305567.7599	20-06-2017 12:38:21	0.000000	0.001617	0.172813	792.3	47.6	-3.173	0.007	0.748
BasinCreek062017_377	BC_CJ	1212512.45049	2305532.78805	20-06-2017 12:41:15	0.000000	0.001384	0.209638	790.9	47.6	-1.733	0.006	0.909
BasinCreek062017_378	BC_CJ	1212524.38686	2305388.1512	20-06-2017 12:44:29	0.000000	0.000000	0.177666	790.5	47.7	-1.355	-0.001	0.771
BasinCreek062017_379	BC_CJ	1212325.36439	2305318.49687	20-06-2017 12:47:50	0.000000	0.001843	0.558563	790.4	47.8	-1.801	0.008	2.425
CarbonJunction062017_111	BC_CJ	1215403.41412	2310601.73191	20-06-2017 13:30:12	0.000000	0.002639	0.549959	810.3	42.7	0	0.011	2.292
CarbonJunction062017_112	BC_CJ	1215189.08047	2310600.12581	20-06-2017 13:34:02	0.000000	0.001438	0.487522	810.7	43.2	0	0.006	2.034
CarbonJunction062017_113	BC_CJ	1215162.40417	2310690.90156	20-06-2017 13:36:48	0.000000	0.006702	0.918352	810.3	43.5	0	0.028	3.837
CarbonJunction062017_114	BC_CJ	1214998.21484	2310693.12025	20-06-2017 13:39:52	0.000000	0.001195	0.278226	810.0	43.8	0	0.005	1.164
CarbonJunction062017_115	BC_CJ	1214946.94482	2310604.84386	20-06-2017 13:42:25	0.000000	0.002389	0.476285	810.2	44.1	0	0.01	1.994
CarbonJunction062017_116	BC_CJ	1214770.31642	2310533.62426	20-06-2017 13:46:50	0.000000	0.004055	0.043179	810.2	44.5	-0.001	0.017	0.181
CarbonJunction062017_117	BC_CJ	1214583.76004	2310548.52428	20-06-2017 13:50:08	0.000000	0.001908	0.168638	810.6	44.7	-0.006	0.008	0.707

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction062017_118	BC_CJ	1214394.48572	2310569.50572	20-06-2017 13:54:21	0.000000	0.001429	0.213465	810.4	45.0	0	0.006	0.896
CarbonJunction062017_119	BC_CJ	1214221.97048	2310598.43132	20-06-2017 13:58:17	0.000000	0.006666	0.514454	810.3	45.2	-0.001	0.028	2.161
CarbonJunction062017_120	BC_CJ	1214178.46427	2310671.74282	20-06-2017 14:01:13	0.000000	0.001903	0.141313	810.0	45.3	-1.898	0.008	0.594
CarbonJunction062017_121	BC_CJ	1214373.21574	2310694.48111	20-06-2017 14:04:27	0.000000	0.000950	0.072908	809.1	45.5	-1.112	0.004	0.307
CarbonJunction062017_122	BC_CJ	1214547.53699	2310744.93826	20-06-2017 14:07:20	0.000000	0.000712	0.103729	809.2	45.7	0	0.003	0.437
CarbonJunction062017_123	BC_CJ	1214763.35239	2310754.84289	20-06-2017 14:11:50	0.000000	0.001422	0.022753	809.0	46.1	-0.181	0.006	0.096
CarbonJunction062017_124	BC_CJ	1214759.57287	2310865.20444	20-06-2017 14:14:23	0.000000	0.001184	0.111298	808.8	46.3	-0.021	0.005	0.47
CarbonJunction062017_125	BC_CJ	1214795.20406	2311198.16959	20-06-2017 14:18:22	0.000000	0.001182	0.032149	808.4	46.7	-1.777	0.005	0.136
CarbonJunction062017_126	BC_CJ	1214749.02361	2311318.12789	20-06-2017 14:20:51	0.000000	0.000236	0.072187	807.5	47.0	-0.604	0.001	0.306
CarbonJunction062017_127	BC_CJ	1214970.06643	2311145.78163	20-06-2017 14:24:47	0.000000	0.002827	0.054413	807.3	47.4	-0.165	0.012	0.231
CarbonJunction062017_128	BC_CJ	1214945.39128	2310990.50381	20-06-2017 14:28:50	0.000000	0.003532	0.184817	807.9	47.8	-0.91	0.015	0.785
CarbonJunction062017_129	BC_CJ	1215131.52556	2310933.28357	20-06-2017 14:32:02	0.000000	0.004473	0.562887	808.6	48.1	0	0.019	2.391
CarbonJunction062017_130	BC_CJ	1215362.6663	2310806.55347	20-06-2017 14:35:26	0.000000	0.003291	0.029852	808.1	48.4	-1.41	0.014	0.127
CarbonJunction062017_131	BC_CJ	1215566.57512	2310637.38918	20-06-2017 14:39:33	0.000000	0.003290	0.033373	808.5	48.6	0	0.014	0.142
CarbonJunction062017_132	BC_CJ	1215737.86908	2310682.16532	20-06-2017 14:44:08	0.000000	0.003286	0.004460	808.2	48.9	-1.439	0.014	0.019
CarbonJunction062117_133	BC_CJ	1215886.38949	2310904.15766	21-06-2017 09:11:14	0.000000	0.000000	0.110404	808.3	30.2	-4.916	-0.003	0.443
CarbonJunction062117_134	BC_CJ	1215951.08214	2310790.50971	21-06-2017 09:14:25	0.000000	0.000746	0.162613	808.3	30.9	0	0.003	0.654
CarbonJunction062117_135	BC_CJ	1216196.31079	2310933.19839	21-06-2017 09:17:46	0.000000	0.000497	0.218796	809.2	31.6	-1.147	0.002	0.881
CarbonJunction062117_136	BC_CJ	1215754.55572	2310890.96733	21-06-2017 09:22:26	0.000000	0.000000	0.550387	809.1	32.5	-0.002	-0.001	2.223
CarbonJunction062117_137	BC_CJ	1215568.81611	2310903.83423	21-06-2017 09:30:04	0.000000	0.000246	0.182267	808.6	33.9	-0.001	0.001	0.74
CarbonJunction062117_138	BC_CJ	1215400.73279	2311067.64061	21-06-2017 09:36:14	0.521846	0.000245	0.895995	807.8	34.8	2.127	0.001	3.652
CarbonJunction062117_139	BC_CJ	1215176.16718	2311221.11283	21-06-2017 09:39:50	0.000000	0.000734	0.275351	807.7	35.5	-1.832	0.003	1.125
CarbonJunction062117_140	BC_CJ	1215014.63754	2311368.53681	21-06-2017 09:43:06	0.000000	0.000733	0.130733	807.7	36.0	-3.034	0.003	0.535
CarbonJunction062117_141	BC_CJ	1215375.59379	2311180.55789	21-06-2017 09:47:31	0.000000	0.001218	0.132296	807.4	36.8	-0.001	0.005	0.543
CarbonJunction062117_142	BC_CJ	1215392.68507	2311392.73623	21-06-2017 09:52:34	0.000000	0.001214	0.097873	806.9	37.6	-0.002	0.005	0.403
CarbonJunction062117_143	BC_CJ	1215529.78821	2311358.63816	21-06-2017 09:55:49	0.000000	0.000968	0.119087	806.0	38.3	-0.173	0.004	0.492

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction062117_144	BC_CJ	1215586.12106	2311489.05096	21-06-2017 10:00:03	0.000000	0.000483	0.195265	805.8	39.1	-0.003	0.002	0.809
CarbonJunction062117_145	BC_CJ	1215642.12871	2311692.26813	21-06-2017 10:04:06	0.000000	0.000241	0.199867	804.5	39.7	-0.324	0.001	0.831
CarbonJunction062117_146	BC_CJ	1215751.83809	2311673.16517	21-06-2017 10:06:51	0.000000	0.000719	0.129869	802.5	40.1	-0.001	0.003	0.542
CarbonJunction062117_147	BC_CJ	1215757.52227	2311615.26772	21-06-2017 10:09:21	0.000000	0.000718	0.772243	802.5	40.4	0	0.003	3.226
CarbonJunction062117_148	BC_CJ	1215930.58871	2311581.97231	21-06-2017 10:13:21	0.000000	0.000717	0.101266	802.2	41.0	0	0.003	0.424
CarbonJunction062117_149	BC_CJ	1216058.33725	2311651.27922	21-06-2017 10:21:26	0.000000	0.001190	0.102104	801.7	41.9	-0.753	0.005	0.429
CarbonJunction062117_150	BC_CJ	1216169.32984	2311736.50858	21-06-2017 10:25:59	0.000000	0.001188	0.095733	801.7	42.5	-2.785	0.005	0.403
CarbonJunction062117_151	BC_CJ	1216266.15756	2311775.36767	21-06-2017 10:29:12	0.000000	0.000474	0.148259	800.3	42.9	-1.142	0.002	0.626
CarbonJunction062117_152	BC_CJ	1216156.02963	2311921.33578	21-06-2017 10:32:43	0.000000	0.001420	0.148439	800.5	43.1	-3.957	0.006	0.627
CarbonJunction062117_153	BC_CJ	1216003.29326	2311932.59225	21-06-2017 10:36:03	0.000000	0.000709	0.071871	799.9	43.3	-2.514	0.003	0.304
CarbonJunction062117_154	BC_CJ	1215954.42144	2311747.4759	21-06-2017 10:39:09	0.000000	0.001418	0.071390	799.8	43.3	-1.854	0.006	0.302
CarbonJunction062117_155	BC_CJ	1216356.97104	2312137.09673	21-06-2017 10:44:43	0.000000	0.001653	0.028807	799.9	43.7	-0.923	0.007	0.122
CarbonJunction062117_156	BC_CJ	1216403.04973	2312023.64979	21-06-2017 10:47:42	0.000000	0.000236	0.092926	799.5	43.9	0	0.001	0.394
CarbonJunction062117_157	BC_CJ	1216521.83458	2311998.06039	21-06-2017 10:53:01	0.000000	0.000236	0.103867	799.4	44.3	-0.465	0.001	0.441
CarbonJunction062117_158	BC_CJ	1216491.78705	2312138.27042	21-06-2017 10:57:58	0.000000	0.000236	0.156614	800.6	44.8	-1.082	0.001	0.665
CarbonJunction062117_159	BC_CJ	1216556.44759	2312352.23735	21-06-2017 11:00:58	0.000000	0.001174	0.251990	799.1	45.1	-1.266	0.005	1.073
CarbonJunction062117_160	BC_CJ	1216753.20494	2312338.04413	21-06-2017 11:03:54	0.000000	0.001877	0.037073	798.9	45.3	0	0.008	0.158
CarbonJunction062117_161	BC_CJ	1216731.01965	2312163.37582	21-06-2017 11:08:39	0.000000	0.001172	0.191238	798.7	45.6	-1.009	0.005	0.816
CarbonJunction062117_162	BC_CJ	1216720.48862	2312042.1893	21-06-2017 11:16:21	0.000000	0.000234	0.279611	799.0	46.5	-1.05	0.001	1.196
CarbonJunction062117_163	BC_CJ	1216736.45707	2311992.82036	21-06-2017 11:19:46	0.728160	0.000935	0.481778	799.9	46.9	3.115	0.004	2.061
CarbonJunction062117_164	BC_CJ	1216742.52418	2311976.35205	21-06-2017 11:22:10	0.000000	0.000234	0.240983	801.1	47.1	0	0.001	1.03
CarbonJunction062117_165	BC_CJ	1216728.64022	2312017.1759	21-06-2017 11:26:50	1.399869	0.003272	2.174355	800.7	47.3	5.99	0.014	9.304
CarbonJunction062117_166	BC_CJ	1216900.59813	2312517.50103	21-06-2017 11:33:14	0.000000	0.008175	0.316487	800.5	47.4	-1.288	0.035	1.355
CarbonJunction062117_167	BC_CJ	1216966.59896	2312373.10201	21-06-2017 11:35:42	0.000000	0.002563	0.065939	798.3	47.3	-0.848	0.011	0.283
CarbonJunction062117_168	BC_CJ	1216966.8535	2312218.53019	21-06-2017 11:38:41	0.000000	0.000932	0.125401	798.6	47.3	-1.651	0.004	0.538
CarbonJunction062117_169	BC_CJ	1217059.11739	2312170.26658	21-06-2017 11:42:35	0.000000	0.001866	0.106815	799.3	47.4	-1.328	0.008	0.458

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction062117_170	BC_CJ	1217138.4061	2312218.00611	21-06-2017 11:56:46	0.000000	0.001868	0.036201	800.7	47.5	-1.054	0.008	0.155
CarbonJunction062117_171	BC_CJ	1217126.25499	2312461.8286	21-06-2017 12:04:20	0.000000	0.001638	0.000000	801.3	47.2	-1.949	0.007	-0.029
CarbonJunction062117_172	BC_CJ	1217145.82471	2312534.0031	21-06-2017 12:07:59	0.000000	0.001399	0.044312	798.3	47.0	-1.897	0.006	0.19
CarbonJunction062117_173	BC_CJ	1217182.84183	2312758.72093	21-06-2017 12:11:09	0.000000	0.005131	0.100297	797.9	46.8	-0.169	0.022	0.43
CarbonJunction062117_174	BC_CJ	1217325.67747	2312647.5982	21-06-2017 12:13:57	0.000000	0.002798	0.000000	797.5	46.7	-1.907	0.012	-0.005
CarbonJunction062117_175	BC_CJ	1217404.26787	2312802.90864	21-06-2017 12:16:57	0.000000	0.005364	0.068795	797.5	46.7	-0.001	0.023	0.295
CarbonJunction062117_176	BC_CJ	1217546.41255	2312836.85867	21-06-2017 12:19:35	0.000000	0.002098	0.328186	797.1	46.7	-1.134	0.009	1.408
CarbonJunction062117_177	BC_CJ	1217500.3951	2312970.06635	21-06-2017 12:22:19	0.000000	0.000699	0.048948	797.1	46.7	-2.324	0.003	0.21
CarbonJunction062117_178	BC_CJ	1217677.48728	2312935.8215	21-06-2017 12:25:14	0.000000	0.001165	0.333867	797.0	46.8	-2.104	0.005	1.433
CarbonJunction062117_179	BC_CJ	1217759.96725	2312834.43525	21-06-2017 12:28:20	0.000000	0.001864	0.711491	797.2	46.9	-2.074	0.008	3.054
CarbonJunction062117_180	BC_CJ	1217755.24085	2313135.16708	21-06-2017 12:32:35	0.472986	0.001863	0.285282	797.4	47.1	2.031	0.008	1.225
CarbonJunction062117_181	BC_CJ	1217641.70627	2313136.85026	21-06-2017 12:34:51	0.000000	0.000233	0.154005	796.8	47.2	-1.104	0.001	0.662
CarbonJunction062117_182	BC_CJ	1217651.65931	2313258.45272	21-06-2017 12:37:02	0.000000	0.000930	0.201374	796.7	47.3	-0.961	0.004	0.866
CarbonJunction062117_183	BC_CJ	1217776.43144	2313254.31591	21-06-2017 12:39:19	0.000000	0.002324	0.066226	796.4	47.4	-0.971	0.01	0.285
CarbonJunction062117_184	BC_CJ	1217897.29508	2313250.78274	21-06-2017 12:41:34	0.000000	0.001626	0.148654	796.3	47.5	-1.078	0.007	0.64
CarbonJunction062117_185	BC_CJ	1218014.83065	2313242.30363	21-06-2017 12:44:05	0.000000	0.003017	0.330698	796.1	47.7	-1.985	0.013	1.425
CarbonJunction062117_186	BC_CJ	1218034.49817	2313004.55809	21-06-2017 12:47:04	0.000000	0.004175	0.536673	796.1	47.9	-0.001	0.018	2.314
CarbonJunction062117_187	BC_CJ	1218013.8898	2312797.59385	21-06-2017 12:50:36	0.000000	0.002782	0.040572	796.3	48.1	0	0.012	0.175
CarbonJunction062117_188	BC_CJ	1218018.92935	2312634.98687	21-06-2017 12:54:38	0.000000	0.003244	0.163818	796.6	48.4	0	0.014	0.707
CarbonJunction062117_189	BC_CJ	1217774.95196	2312544.32846	21-06-2017 13:03:08	0.000000	0.004406	0.745465	797.9	48.7	-0.003	0.019	3.215
CarbonJunction062117_190	BC_CJ	1217638.88821	2312427.5053	21-06-2017 13:06:36	0.000000	0.003949	0.259719	799.4	48.7	0	0.017	1.118
CarbonJunction062117_191	BC_CJ	1217617.16373	2312416.29156	21-06-2017 13:09:45	0.000000	0.001861	0.195394	800.2	48.6	-1.032	0.008	0.84
CarbonJunction062117_192	BC_CJ	1217405.98725	2312366.26941	21-06-2017 13:14:40	0.000000	0.001163	0.157701	800.4	48.7	-0.001	0.005	0.678
CarbonJunction062117_193	BC_CJ	1217548.41011	2312391.31582	21-06-2017 13:19:17	422.334800	0.127608	3.611607	799.6	48.6	1816.986	0.549	15.538
CarbonJunction062117_194	BC_CJ	1217569.80796	2312351.42456	21-06-2017 13:23:10	0.000000	0.001396	0.033974	800.5	48.6	-0.959	0.006	0.146
CarbonJunction062117_195	BC_CJ	1217482.2246	2312176.55917	21-06-2017 13:27:37	0.000000	0.002554	0.047126	799.1	48.8	-0.001	0.011	0.203

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction062117_196	BC_CJ	1217191.1921	2311802.03883	21-06-2017 13:35:52	0.000000	0.002786	0.116074	799.6	49.0	0	0.012	0.5
CarbonJunction062117_197	BC_CJ	1217132.80996	2311882.96932	21-06-2017 13:40:05	0.000000	0.000000	0.007893	799.8	49.1	0	-0.014	0.034
CarbonJunction062117_198	BC_CJ	1216973.76876	2311869.83316	21-06-2017 13:44:07	0.000000	0.001162	0.034638	801.2	49.2	-1.072	0.005	0.149
CarbonJunction062117_199	BC_CJ	1216940.47172	2311821.55018	21-06-2017 13:46:44	0.000000	0.001163	0.316201	801.9	49.2	-0.509	0.005	1.359
CarbonJunction062117_200	BC_CJ	1216849.66676	2311712.03095	21-06-2017 13:51:04	0.000000	0.002561	0.111074	802.3	49.1	-2.11	0.011	0.477
CarbonJunction062117_201	BC_CJ	1216753.74694	2311688.85085	21-06-2017 13:54:00	0.000000	0.003028	0.000000	802.4	49.1	0	0.013	0
CarbonJunction062117_202	BC_CJ	1216866.87502	2311862.12279	21-06-2017 13:59:20	0.000000	0.010019	1.376743	803.0	49.2	-1.206	0.043	5.909
CarbonJunction062117_203	BC_CJ	1216849.83032	2311855.027	21-06-2017 14:01:49	0.000000	0.003028	0.144884	802.8	49.2	-2.512	0.013	0.622
CarbonJunction062117_204	BC_CJ	1216908.39376	2311972.24729	21-06-2017 14:06:58	0.000000	0.001630	0.351976	802.8	49.4	-1.062	0.007	1.512
CarbonJunction062117_205	BC_CJ	1216815.75201	2311893.33533	21-06-2017 14:10:52	0.784317	0.002323	0.504685	801.2	49.5	3.377	0.01	2.173
CarbonJunction062117_206	BC_CJ	1216783.23272	2311839.16176	21-06-2017 14:14:01	32.966780	0.003484	0.552830	801.3	49.5	141.926	0.015	2.38
CarbonJunction062117_207	BC_CJ	1216751.9961	2311827.74407	21-06-2017 14:16:45	157.039100	0.115923	2.735456	801.4	49.5	675.988	0.499	11.775
CarbonJunction062117_208	BC_CJ	1216730.76168	2311804.27595	21-06-2017 14:19:43	352.510800	0.132425	1.602581	801.7	49.6	1517.315	0.57	6.898
CarbonJunction062117_209	BC_CJ	1216749.82442	2311808.50597	21-06-2017 14:22:05	152.904100	0.000000	1.430784	801.9	49.6	657.982	-0.002	6.157
CarbonJunction062117_210	BC_CJ	1216638.66541	2311810.94651	21-06-2017 14:25:16	0.372163	0.001162	0.587980	801.9	49.7	1.602	0.005	2.531
CarbonJunction062117_211	BC_CJ	1216631.11125	2311736.49416	21-06-2017 14:27:38	0.000000	0.001394	0.229017	802.0	49.8	-9.079	0.006	0.986
CarbonJunction062117_212	BC_CJ	1216543.25756	2311692.64964	21-06-2017 14:30:42	4.160662	0.005346	2.283925	802.5	49.8	17.902	0.023	9.827
CarbonJunction062117_213	BC_CJ	1216509.69826	2311567.85175	21-06-2017 14:34:40	0.000000	0.002324	0.183851	802.8	49.9	-3.577	0.01	0.791
CarbonJunction062117_214	BC_CJ	1216366.06782	2311488.02408	21-06-2017 14:38:33	0.937561	0.013025	0.891509	803.6	50.0	4.031	0.056	3.833
CarbonJunction062117_215	BC_CJ	1216174.35022	2311490.90929	21-06-2017 14:43:33	0.000000	0.002556	0.520181	802.7	50.0	-0.658	0.011	2.239
CarbonJunction062117_216	BC_CJ	1216124.31103	2311407.86775	21-06-2017 14:46:38	0.327835	0.002782	0.517024	800.8	49.9	1.414	0.012	2.23
CarbonJunction062117_217	BC_CJ	1215989.03462	2311385.2936	21-06-2017 14:50:20	0.000000	0.002553	0.083080	801.3	49.8	-0.533	0.011	0.358
CarbonJunction062117_218	BC_CJ	1215787.94673	2311363.84401	21-06-2017 14:53:29	0.000000	0.000464	0.096503	801.0	49.8	-1.126	0.002	0.416
CarbonJunction062117_219	BC_CJ	1215620.77809	2311174.20521	21-06-2017 14:56:34	0.000000	0.003251	0.097981	801.7	49.8	-0.767	0.014	0.422
CarbonJunction062117_220	BC_CJ	1215779.7921	2311176.8908	21-06-2017 14:58:56	0.000000	0.001628	0.140500	803.2	49.8	-1.368	0.007	0.604
CarbonJunction062117_221	BC_CJ	1215978.26242	2311242.37914	21-06-2017 15:01:35	0.000000	0.000930	0.358815	803.2	49.9	-0.864	0.004	1.543

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction062117_222	BC_CJ	1216168.53082	2311312.98464	21-06-2017 15:04:04	0.000000	0.000465	0.162437	802.9	50.0	-0.392	0.002	0.699
CarbonJunction062117_223	BC_CJ	1216251.36501	2311413.74063	21-06-2017 15:06:44	0.506167	0.007437	0.720673	803.2	50.1	2.178	0.032	3.101
CarbonJunction062117_224	BC_CJ	1216370.3618	2311385.24028	21-06-2017 15:08:55	0.000000	0.000232	0.205146	803.2	50.2	-1.54	0.001	0.883
CarbonJunction062117_225	BC_CJ	1216292.1324	2311304.88318	21-06-2017 15:10:59	0.000000	0.000233	0.045355	804.1	50.2	-1.115	0.001	0.195
CarbonJunction062117_226	BC_CJ	1216194.0448	2311211.8686	21-06-2017 15:13:33	0.000000	0.000000	0.090511	804.4	50.2	-0.569	0	0.389
BasinCreek113017_01	BC_CJ	1209521.450124	2302793.11187	30-11-2017 10:40:55	1123.365000	0.605763	37.248450	797.2	26.2	4510.055	2.432	149.544
BasinCreek113017_02	BC_CJ	1209497.325775	2302744.683593	30-11-2017 10:46:32	2.381753	0.000000	0.348580	797.2	26.1	9.559	-0.029	1.399
BasinCreek113017_03	BC_CJ	1209479.038564	2302789.285693	30-11-2017 10:49:49	0.668142	0.000000	0.230102	796.5	26.0	2.683	-0.007	0.924
BasinCreek113017_04	BC_CJ	1209474.335845	2302829.388949	30-11-2017 10:52:38	0.000000	0.000000	0.030399	796.7	25.9	0	-0.004	0.122
BasinCreek113017_05	BC_CJ	1209503.114982	2302828.837102	30-11-2017 10:56:13	0.000000	0.000000	0.128091	796.8	25.9	-0.651	-0.001	0.514
BasinCreek113017_06	BC_CJ	1209534.315952	2302758.554135	30-11-2017 10:59:00	0.000000	0.000000	0.074300	797.2	25.9	-1.686	0	0.298
BasinCreek113017_07	BC_CJ	1209559.21642	2302758.786215	30-11-2017 11:01:58	0.417570	0.000249	0.157899	797.3	25.8	1.674	0.001	0.633
BasinCreek113017_08	BC_CJ	1209555.354627	2302795.16553	30-11-2017 11:04:40	0.000000	0.000250	0.517109	797.7	25.8	-0.002	0.001	2.072
BasinCreek113017_09	BC_CJ	1209549.063679	2302831.352944	30-11-2017 11:07:23	1.138859	0.000000	0.175286	798.1	25.8	4.561	0	0.702
BasinCreek113017_10	BC_CJ	1209514.210369	2302808.007134	30-11-2017 11:10:13	9.481894	0.000249	1.125744	797.3	25.8	38.012	0.001	4.513
BasinCreek113017_11	BC_CJ	1209513.333341	2302793.462704	30-11-2017 11:13:10	1.170786	0.000000	0.819451	797.3	25.7	4.692	0	3.284
BasinCreek113017_12	BC_CJ	1209524.295867	2302786.13055	30-11-2017 11:14:55	59.556140	0.000250	2.678935	797.3	25.7	238.675	0.001	10.736
BasinCreek113017_13	BC_CJ	1209514.767308	2302796.272672	30-11-2017 11:17:15	33.963030	0.000998	0.624070	797.3	25.7	136.109	0.004	2.501
BasinCreek113017_14	BC_CJ	1209523.265228	2302805.960028	30-11-2017 11:19:11	29.439340	0.000749	7.249792	797.3	25.7	117.98	0.003	29.054
Federal062217_01	Fed	1219725.63911	2320125.84283	22-06-2017 11:19:32	0.000000	0.000000	0.027074	788.5	40.1	0	-0.022	0.115
Federal062217_02	Fed	1219711.45259	2320078.45658	22-06-2017 11:23:17	0.000000	0.000000	0.190099	788.5	40.7	0	0	0.809
Federal062217_03	Fed	1219703.11904	2320034.5388	22-06-2017 11:26:07	0.000000	0.000000	0.185644	788.3	41.0	0	0	0.791
Federal062217_04	Fed	1219704.50782	2319973.70607	22-06-2017 11:28:55	0.000000	0.000000	0.153482	787.8	41.3	0	-0.016	0.655
Federal062217_05	Fed	1219699.18824	2319920.06213	22-06-2017 11:32:26	0.000000	0.000000	0.121943	787.9	41.7	0	-0.021	0.521
Federal062217_06	Fed	1219760.39807	2319938.99869	22-06-2017 11:34:13	0.000000	0.000000	0.122528	787.9	42.0	0	-0.017	0.524
Federal062217_07	Fed	1219773.24496	2319991.02711	22-06-2017 11:36:58	0.000000	0.000000	0.099007	787.8	42.4	0	-0.032	0.424

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
Federal062217_08	Fed	1219768.49377	2320035.46966	22-06-2017 11:39:37	0.000000	0.000000	0.152753	787.8	42.8	-0.062	-0.025	0.655
Federal062217_09	Fed	1219750.41072	2320076.70435	22-06-2017 11:42:15	0.000000	0.000000	0.156004	787.8	43.3	0	-0.029	0.67
Federal062217_10	Fed	1219817.78473	2320089.2038	22-06-2017 11:45:53	0.000000	0.000000	0.000000	787.8	43.7	0	-0.046	-0.039
Federal062217_11	Fed	1219863.37303	2320097.62905	22-06-2017 11:47:43	0.000000	0.000000	0.088721	787.8	44.1	0	-0.03	0.382
Federal062217_12	Fed	1219918.40999	2320117.72821	22-06-2017 11:50:39	0.000000	0.000000	0.068893	787.8	44.5	0	-0.047	0.297
Federal062217_13	Fed	1219907.80369	2320092.29046	22-06-2017 11:53:07	0.000000	0.000000	0.105635	787.5	44.8	0	-0.045	0.456
Federal062217_14	Fed	1219912.28744	2320035.93035	22-06-2017 11:56:24	0.000000	0.000000	0.037502	787.7	45.1	0	-0.009	0.162
Federal062217_15	Fed	1219905.33393	2319987.47894	22-06-2017 11:58:06	0.000000	0.000000	0.063139	787.7	45.4	0	-0.034	0.273
Federal062217_16	Fed	1219904.87817	2319928.44689	22-06-2017 12:00:42	0.000000	0.000000	0.081313	787.5	45.7	0	-0.009	0.352
Federal062217_17	Fed	1219867.30773	2319951.9218	22-06-2017 12:03:37	0.000000	0.000000	0.058403	787.7	46.0	0	-0.042	0.253
Federal062217_18	Fed	1219809.90906	2319924.56579	22-06-2017 12:06:08	0.000000	0.000000	0.118742	787.5	46.3	-0.001	-0.034	0.515
Federal062217_19	Fed	1219809.66132	2319980.4872	22-06-2017 12:09:27	0.000000	0.000000	0.226205	787.5	46.6	0	0	0.982
Federal062217_20	Fed	1219867.61938	2319983.04268	22-06-2017 12:11:25	0.000000	0.000000	0.092543	787.5	46.8	0	-0.007	0.402
Federal062217_21	Fed	1219857.08667	2320025.50292	22-06-2017 12:13:55	0.000000	0.000000	0.054999	787.7	47.0	0	-0.036	0.239
Federal062217_22	Fed	1219814.79358	2320023.70964	22-06-2017 12:16:46	0.000000	0.000000	0.081862	787.6	47.2	0	-0.017	0.356
Federal062217_23	Fed	1219771.04066	2320126.64802	22-06-2017 12:20:14	0.000000	0.000000	0.127740	787.4	47.4	0	-0.06	0.556
Federal062217_24	Fed	1219819.62767	2320136.22189	22-06-2017 12:22:29	0.000000	0.000000	0.000000	788.0	47.5	0	-0.04	-0.104
Federal062217_25	Fed	1219867.76721	2320132.28535	22-06-2017 12:24:47	0.000000	0.000000	0.000000	788.3	47.6	-0.415	-0.03	-0.031
FloridaRiver062317_01	FR	1235509.43731	2332608.87242	23-06-2017 09:19:20	0.000000	0.000000	0.423932	789.0	27.3	0	-0.012	1.726
FloridaRiver062317_02	FR	1235388.0818	2332814.80682	23-06-2017 09:24:07	0.000000	0.000000	0.170005	789.0	28.1	0	-0.021	0.694
FloridaRiver062317_03	FR	1235525.9746	2332735.43892	23-06-2017 09:28:16	0.000000	0.000000	0.116860	789.0	28.7	0	-0.002	0.478
FloridaRiver062317_04	FR	1235664.2013	2332836.28408	23-06-2017 09:33:14	0.000000	0.000000	0.485698	787.4	29.5	0	-0.01	1.996
FloridaRiver062317_05	FR	1235727.46379	2332823.4367	23-06-2017 09:36:33	2.070159	0.000000	0.807365	785.6	30.0	8.541	-0.009	3.331
FloridaRiver062317_06	FR	1235735.19112	2332749.97106	23-06-2017 09:40:12	0.000000	0.000000	0.108649	785.6	30.5	0	-0.004	0.449
FloridaRiver062317_07	FR	1235776.65728	2332766.8388	23-06-2017 09:42:51	0.000000	0.000000	0.106031	786.7	30.8	0	-0.007	0.438
FloridaRiver062317_08	FR	1235919.19356	2332859.07262	23-06-2017 09:46:27	0.000000	0.000000	0.084865	786.5	31.1	0	-0.008	0.351

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver062317_09	FR	1235751.52771	2332935.72574	23-06-2017 09:50:36	0.000000	0.000000	0.123293	785.9	31.5	0	-0.002	0.511
FloridaRiver062317_10	FR	1235940.76537	2333053.56658	23-06-2017 09:55:45	0.000000	0.000000	0.067156	784.8	31.8	0	-0.012	0.279
FloridaRiver062317_11	FR	1235934.07776	2333178.09215	23-06-2017 09:59:36	0.000000	0.000000	0.127856	784.1	32.0	0	-0.008	0.532
FloridaRiver062317_32	FR	1235818.53804	2333126.21659	23-06-2017 13:09:47	0.000000	0.000000	0.012608	783.2	46.4	0	-0.002	0.055
FloridaRiver062317_33	FR	1235504.67596	2333135.63319	23-06-2017 13:16:19	0.000000	0.000000	0.000000	783.2	46.5	0	0	-0.895
FloridaRiver062317_34	FR	1235487.96597	2332949.20679	23-06-2017 13:20:47	0.000000	0.000000	0.157010	785.9	46.6	0	-0.081	0.683
FloridaRiver062317_35	FR	1235328.08348	2332566.65597	23-06-2017 13:31:45	0.000000	0.000000	0.000000	787.9	46.1	0	-0.121	-1.479
FloridaRiver062317_36	FR	1234952.76065	2332137.39846	23-06-2017 13:50:08	0.000000	0.000000	0.088967	788.2	46.7	0	-0.056	0.386
FloridaRiver062317_37	FR	1234909.80079	2332328.39956	23-06-2017 13:53:56	0.000000	0.000000	0.000000	788.1	46.7	0	-0.061	-0.985
FloridaRiver062317_38	FR	1235136.42735	2332374.40743	23-06-2017 13:58:48	0.000000	0.000000	0.000000	788.1	46.6	0	0	-7.239
FloridaRiver062317_39	FR	1235091.65246	2332526.71933	23-06-2017 14:01:45	0.000000	0.000000	0.060878	788.1	46.5	0	-0.05	0.264
FloridaRiver062317_40	FR	1235288.01501	2332484.55679	23-06-2017 14:07:08	0.000000	0.000000	0.102662	788.2	46.4	-1.572	-0.041	0.445
FloridaRiver062317_41	FR	1235520.25159	2332440.80469	23-06-2017 14:10:48	0.000000	0.000000	0.918357	787.9	46.3	0	-0.096	3.981
FloridaRiver062317_42	FR	1235554.60919	2332451.71269	23-06-2017 14:13:06	0.000000	0.000000	0.646120	787.9	46.2	0	-0.034	2.8
FloridaRiver062317_43	FR	1235546.54817	2332376.97369	23-06-2017 14:15:54	3.117682	0.000000	1.126503	788.1	46.1	13.503	-0.031	4.879
FloridaRiver062317_44	FR	1235561.08105	2332390.85023	23-06-2017 14:18:33	0.000000	0.000000	0.340055	788.0	46.1	0	-0.032	1.473
FloridaRiver062317_45	FR	1235562.4996	2332340.67913	23-06-2017 14:22:14	0.000000	0.000000	0.089557	788.1	46.2	0	-0.051	0.388
FloridaRiver062317_46	FR	1235573.64028	2332280.94643	23-06-2017 14:25:46	0.000000	0.000000	1.503254	788.2	46.3	0	-0.068	6.514
FloridaRiver062317_47	FR	1235574.18187	2332218.29371	23-06-2017 14:28:44	0.000000	0.000000	0.000000	787.8	46.3	0	0	-0.07
FloridaRiver062317_48	FR	1235830.40897	2332272.17883	23-06-2017 14:32:13	0.000000	0.000000	0.257299	787.7	46.4	0	-0.051	1.116
FloridaRiver062317_49	FR	1235335.34414	2332111.59228	23-06-2017 14:36:32	0.000000	0.000000	0.048171	787.7	46.5	0	-0.079	0.209
FloridaRiver062317_50	FR	1235157.55329	2332032.97781	23-06-2017 14:39:28	0.000000	0.000000	0.071170	787.4	46.6	0	-0.086	0.309
FloridaRiver062317_51	FR	1235171.69099	2332104.21999	23-06-2017 14:43:10	0.000000	0.000000	0.370357	787.4	46.8	0	-0.12	1.609
FloridaRiver062317_52	FR	1234985.63109	2331944.1661	23-06-2017 14:46:42	0.000000	0.000000	0.134443	788.0	47.0	0	-0.084	0.584
FloridaRiver062717_53	FR	1235189.55104	2331787.61227	27-06-2017 13:32:35	0.000000	0.000000	0.172670	787.9	38.4	0	-0.033	0.73
FloridaRiver062717_54	FR	1235282.43239	2331782.82072	27-06-2017 13:37:01	0.000000	0.000000	0.246498	787.5	39.4	0	0	1.046

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver062717_55	FR	1235326.79274	2331784.65785	27-06-2017 13:39:31	1.045098	0.000000	3.006920	786.7	39.8	4.445	-0.013	12.789
FloridaRiver062717_56	FR	1235329.75965	2331775.59999	27-06-2017 13:41:59	0.651066	0.010565	0.756956	786.6	40.2	2.773	0.045	3.224
FloridaRiver062717_57	FR	1235313.80759	2331767.94743	27-06-2017 13:45:04	74.209180	0.000000	2.097701	786.5	40.6	316.513	0	8.947
FloridaRiver062717_58	FR	1235351.13685	2331803.46349	27-06-2017 13:51:44	0.000000	0.000000	0.220326	786.6	41.4	0	-0.011	0.942
FloridaRiver062717_59	FR	1235413.81829	2331839.42752	27-06-2017 13:55:55	0.622622	0.000000	0.977274	785.9	42.3	2.672	-0.055	4.194
FloridaRiver062717_60	FR	1235354.41302	2331898.27575	27-06-2017 13:59:59	0.000000	0.000000	0.400704	785.4	42.9	0	-0.009	1.724
FloridaRiver062717_61	FR	1235374.74764	2331939.06932	27-06-2017 14:02:32	0.000000	0.000000	0.438490	785.8	43.3	0	-0.045	1.888
FloridaRiver062717_62	FR	1235552.62665	2331927.66	27-06-2017 14:05:54	0.000000	0.000000	0.255704	785.6	43.8	0	-0.058	1.103
FloridaRiver062717_63	FR	1235531.46777	2331826.24749	27-06-2017 14:11:17	0.000000	0.000000	0.990189	785.6	44.3	0	-0.065	4.278
FloridaRiver062717_64	FR	1235558.87877	2331690.82006	27-06-2017 14:15:01	0.000000	0.000000	0.080621	784.8	44.6	0	-0.004	0.349
FloridaRiver062717_65	FR	1235341.07685	2331599.99678	27-06-2017 14:23:08	0.000000	0.000000	0.123211	785.1	45.1	0	-0.059	0.534
FloridaRiver062717_66	FR	1235224.92159	2331651.3023	27-06-2017 14:26:33	0.000000	0.000000	0.654476	786.6	45.2	0	-0.064	2.832
FloridaRiver062717_67	FR	1235217.66635	2331685.47402	27-06-2017 14:28:37	2.460987	0.000000	2.527070	786.7	45.3	10.651	0	10.937
FloridaRiver062717_68	FR	1235200.69429	2331584.4685	27-06-2017 14:33:32	0.478911	0.000000	2.424344	786.7	45.5	2.074	-0.011	10.499
FloridaRiver062717_69	FR	1235168.82122	2331563.26734	27-06-2017 14:37:38	0.911011	0.014757	0.731853	786.3	45.8	3.951	0.064	3.174
FloridaRiver062717_70	FR	1235167.48369	2331555.0443	27-06-2017 14:40:16	0.000000	0.000000	0.516070	785.2	45.9	-0.319	-0.018	2.242
FloridaRiver062717_71	FR	1234976.17142	2331431.46879	27-06-2017 14:45:32	0.000000	0.000000	0.208388	785.1	46.1	-0.039	-0.063	0.906
FloridaRiver062717_72	FR	1234765.7425	2331425.43985	27-06-2017 14:48:33	0.000000	0.000000	0.168511	784.7	46.1	-0.006	-0.025	0.733
FloridaRiver062717_73	FR	1234743.70163	2331586.334	27-06-2017 14:52:47	0.000000	0.000000	0.180340	784.4	46.2	0	-0.085	0.785
FloridaRiver062717_74	FR	1234527.78852	2331369.98828	27-06-2017 15:07:33	0.000000	0.000000	0.143767	784.4	46.3	-0.661	-0.003	0.626
FloridaRiver062717_75	FR	1234930.23535	2331794.02229	27-06-2017 15:16:43	0.000000	0.000000	0.038064	784.4	46.8	0	0	0.166
FloridaRiver062817_100	FR	1234466.20094	2330351.21415	28-06-2017 12:55:45	0.000000	0.000000	0.255730	781.5	42.4	0	-0.058	1.104
FloridaRiver062817_101	FR	1234527.64053	2330355.03995	28-06-2017 12:58:17	0.000000	0.000000	0.417711	781.5	42.7	0	-0.071	1.805
FloridaRiver062817_102	FR	1234543.85021	2330316.05698	28-06-2017 13:00:50	0.464448	0.000000	0.636912	781.2	42.9	2.009	-0.073	2.755
FloridaRiver062817_103	FR	1234588.13207	2330385.00901	28-06-2017 13:05:23	0.000000	0.000000	0.483458	780.9	43.5	-0.059	-0.034	2.096
FloridaRiver062817_104	FR	1234761.94022	2330363.06274	28-06-2017 13:12:37	0.000000	0.000230	0.628922	781.3	44.4	0	0.001	2.733

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver062817_105	FR	1234803.05883	2330165.82285	28-06-2017 13:19:22	0.000000	0.000000	0.093652	780.8	45.0	0	-0.054	0.408
FloridaRiver062817_106	FR	1234503.73195	2330152.91842	28-06-2017 13:28:02	0.000000	0.000000	0.224578	778.9	45.4	0	-0.094	0.982
FloridaRiver062817_107	FR	1234510.791	2330180.34052	28-06-2017 13:32:18	0.000000	0.000000	1.151284	779.7	45.4	0	-0.13	5.029
FloridaRiver062817_108	FR	1234450.18149	2330134.97745	28-06-2017 13:36:06	1.180446	0.000000	2.153089	779.7	45.5	5.158	-0.149	9.408
FloridaRiver062817_109	FR	1234368.97287	2330163.45135	28-06-2017 13:41:07	0.000000	0.000000	0.123954	779.4	45.6	0	-0.005	0.542
FloridaRiver062817_110	FR	1234453.72588	2329967.45062	28-06-2017 13:46:03	0.000000	0.000000	0.426083	780.1	45.7	-1.459	-0.097	1.862
FloridaRiver062817_111	FR	1234519.53675	2329959.16509	28-06-2017 13:49:17	0.000000	0.000000	0.439910	779.3	45.8	0	-0.136	1.925
FloridaRiver062817_112	FR	1234569.80338	2329996.90221	28-06-2017 13:51:54	0.000000	0.000000	0.265832	778.8	45.8	0	-0.137	1.164
FloridaRiver062817_113	FR	1234538.24668	2329880.43632	28-06-2017 13:54:53	0.000000	0.000000	0.159732	778.4	45.9	-1.709	-0.043	0.7
FloridaRiver062817_114	FR	1234471.26287	2329849.6219	28-06-2017 13:58:18	0.000000	0.000000	0.271479	777.8	46.0	0	-0.142	1.191
FloridaRiver062817_115	FR	1234351.33782	2329919.60912	28-06-2017 14:02:39	0.000000	0.000000	0.676613	778.4	46.1	-0.506	-0.162	2.967
FloridaRiver062817_116	FR	1234319.9336	2329895.54018	28-06-2017 14:05:31	0.000000	0.000000	0.234995	779.0	46.2	0	-0.146	1.03
FloridaRiver062817_117	FR	1234299.22984	2329948.89013	28-06-2017 14:08:07	0.000000	0.000000	0.201763	779.3	46.2	-0.012	-0.136	0.884
FloridaRiver062817_118	FR	1234227.67281	2329867.99391	28-06-2017 14:10:56	0.000000	0.000000	0.117315	779.3	46.2	0	-0.159	0.514
FloridaRiver062817_119	FR	1234340.48529	2329785.39306	28-06-2017 14:16:12	0.000000	0.000000	0.550495	779.6	46.2	0	-0.142	2.411
FloridaRiver062817_120	FR	1234334.35266	2329594.91563	28-06-2017 14:21:02	0.000000	0.000000	0.112750	779.3	46.2	0	0	0.494
FloridaRiver062817_121	FR	1234078.06679	2329579.52449	28-06-2017 14:27:00	0.000000	0.000000	1.438545	778.9	46.4	0	-0.164	6.31
FloridaRiver062817_122	FR	1234077.25914	2329724.48725	28-06-2017 14:31:30	0.000000	0.014845	0.089071	780.3	46.4	0	0.065	0.39
FloridaRiver062817_123	FR	1233964.53132	2329600.40879	28-06-2017 14:35:34	0.000000	0.000000	0.198574	780.3	46.6	0	-0.167	0.87
FloridaRiver062817_124	FR	1233880.91008	2329388.08455	28-06-2017 14:41:44	0.000000	0.000000	0.225555	781.2	46.9	0	-0.062	0.988
FloridaRiver062817_125	FR	1233680.66215	2328995.64511	28-06-2017 14:48:31	0.000000	0.000000	0.368478	780.5	47.0	0	-0.103	1.616
FloridaRiver062817_126	FR	1233687.21898	2328793.0642	28-06-2017 14:53:24	1.392817	0.000000	0.835326	778.4	46.8	6.121	-0.004	3.671
FloridaRiver062817_127	FR	1233706.58381	2328725.97065	28-06-2017 14:56:59	2.930604	0.003867	1.039870	777.8	46.7	12.885	0.017	4.572
FloridaRiver062817_128	FR	1233588.94487	2328694.72254	28-06-2017 15:00:28	0.000000	0.000000	0.133519	778.1	46.8	0	-0.194	0.587
FloridaRiver062817_129	FR	1233535.18535	2328869.99455	28-06-2017 15:03:45	0.000000	0.000000	0.054733	776.9	46.8	0	-0.055	0.241
FloridaRiver062817_130	FR	1233596.16376	2328546.60807	28-06-2017 15:08:30	0.000000	0.000000	0.917260	777.5	46.9	0	0	4.037

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver062817_131	FR	1233545.8958	2328404.16474	28-06-2017 15:11:47	0.000000	0.000000	1.109272	776.8	47.0	0	-0.197	4.888
FloridaRiver062817_132	FR	1233512.8564	2328355.07206	28-06-2017 15:14:03	0.000000	0.000000	0.049479	776.9	47.0	0	-0.082	0.218
FloridaRiver062817_133	FR	1233696.2727	2328567.64347	28-06-2017 15:19:04	0.000000	0.000000	0.188083	776.6	47.0	0	-0.178	0.829
FloridaRiver062817_134	FR	1233779.54561	2328570.3107	28-06-2017 15:21:48	0.000000	0.000000	0.273272	777.8	47.1	0	-0.182	1.203
FloridaRiver062817_135	FR	1233815.04099	2328696.22834	28-06-2017 15:25:35	0.000000	0.000000	0.058581	777.7	47.2	0	-0.179	0.258
FloridaRiver062817_136	FR	1233822.2937	2328820.48639	28-06-2017 15:30:15	0.000000	0.000000	0.213948	778.4	47.4	0	-0.102	0.942
FloridaRiver062817_137	FR	1233910.20748	2329020.29154	28-06-2017 15:34:32	0.000000	0.000000	0.218284	779.2	47.7	0	-0.08	0.961
FloridaRiver062817_138	FR	1233926.64724	2329152.37002	28-06-2017 15:37:43	0.000000	0.000000	0.158082	779.4	47.8	-0.027	-0.168	0.696
FloridaRiver062817_139	FR	1234062.19113	2329216.56972	28-06-2017 15:41:38	0.000000	0.000000	0.243563	779.9	47.9	0	0	1.072
FloridaRiver062817_140	FR	1234110.82217	2329380.75373	28-06-2017 15:45:40	0.000000	0.000000	0.236038	779.3	48.0	-0.537	-0.178	1.04
FloridaRiver062817_141	FR	1234070.50628	2329393.60628	28-06-2017 15:48:35	0.000000	0.000000	0.346459	779.3	48.1	-0.39	-0.162	1.527
FloridaRiver062817_142	FR	1234019.90254	2329379.74962	28-06-2017 15:51:23	5.656351	0.003403	2.025634	779.6	48.3	24.936	0.015	8.93
FloridaRiver062817_143	FR	1233986.33921	2329348.21557	28-06-2017 15:54:10	0.000000	0.004988	0.877143	779.9	48.6	0	0.022	3.869
FloridaRiver062817_144	FR	1233975.06323	2329326.01735	28-06-2017 15:56:27	0.000000	0.000000	0.971401	780.1	48.7	0	-0.1	4.285
FloridaRiver062817_76	FR	1234509.89596	2331163.48727	28-06-2017 11:06:22	0.000000	0.000000	0.190090	787.1	29.7	0	-0.013	0.782
FloridaRiver062817_77	FR	1234764.9067	2331226.28635	28-06-2017 11:12:27	0.000000	0.000000	0.068346	787.1	30.6	0	0	0.282
FloridaRiver062817_78	FR	1234940.65643	2331394.57785	28-06-2017 11:20:25	0.000000	0.000000	0.221474	784.3	31.9	0	-0.004	0.921
FloridaRiver062817_79	FR	1235139.72001	2331372.46513	28-06-2017 11:24:15	0.000000	0.000000	0.250419	784.1	32.3	0	-0.003	1.043
FloridaRiver062817_80	FR	1235317.831	2331406.06788	28-06-2017 11:28:55	0.000000	0.000000	0.195294	784.1	32.9	0	-0.003	0.815
FloridaRiver062817_81	FR	1235168.72697	2331227.30891	28-06-2017 11:33:26	0.000000	0.000000	0.386551	784.0	33.4	0	-0.016	1.616
FloridaRiver062817_82	FR	1235074.56254	2331246.41715	28-06-2017 11:37:08	1.229339	0.002866	1.050956	783.7	33.8	5.148	0.012	4.401
FloridaRiver062817_83	FR	1235014.02261	2331172.11457	28-06-2017 11:40:18	0.000000	0.000000	0.387256	783.6	34.2	0	-0.027	1.624
FloridaRiver062817_84	FR	1235116.3703	2331062.95361	28-06-2017 11:44:41	0.000000	0.000000	0.188004	783.3	34.7	-1.086	-0.028	0.79
FloridaRiver062817_85	FR	1235215.76445	2330957.67666	28-06-2017 11:47:43	0.000000	0.000000	0.033490	782.8	35.1	0	-0.033	0.141
FloridaRiver062817_86	FR	1235208.20881	2330799.75107	28-06-2017 11:51:18	0.000000	0.000000	0.439410	782.8	35.6	0	-0.028	1.853
FloridaRiver062817_87	FR	1235018.22303	2330630.73902	28-06-2017 11:58:02	0.000000	0.000000	0.100616	782.2	36.6	0	-0.029	0.426

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver062817_88	FR	1234985.7044	2330778.41887	28-06-2017 12:02:27	0.000000	0.000000	0.187643	781.7	37.0	0	-0.043	0.796
FloridaRiver062817_89	FR	1234979.60864	2330973.41192	28-06-2017 12:09:37	0.000000	0.000000	0.907159	782.5	37.7	0	-0.011	3.853
FloridaRiver062817_90	FR	1234728.62688	2330976.93074	28-06-2017 12:13:36	0.000000	0.000000	0.138848	782.9	38.0	0	-0.046	0.59
FloridaRiver062817_91	FR	1234575.57806	2331001.92154	28-06-2017 12:17:37	0.000000	0.000000	0.653711	783.0	38.4	0	-0.025	2.781
FloridaRiver062817_92	FR	1234487.50573	2330972.00454	28-06-2017 12:20:23	0.000000	0.000000	0.102938	783.6	38.7	0	-0.025	0.438
FloridaRiver062817_93	FR	1234401.20104	2330781.24505	28-06-2017 12:28:54	0.000000	0.000000	0.037050	783.1	39.2	0	-0.009	0.158
FloridaRiver062817_94	FR	1234577.82803	2330739.05172	28-06-2017 12:30:41	0.000000	0.000000	0.213983	783.1	39.7	0	-0.044	0.914
FloridaRiver062817_95	FR	1234792.34922	2330763.75246	28-06-2017 12:36:12	0.000000	0.000000	0.307857	782.8	40.3	0	-0.072	1.318
FloridaRiver062817_96	FR	1234730.93206	2330547.90427	28-06-2017 12:40:23	0.000000	0.000000	0.168343	782.4	40.7	0	-0.052	0.722
FloridaRiver062817_97	FR	1234553.24636	2330579.10023	28-06-2017 12:44:35	0.000000	0.000000	0.268469	781.9	41.2	0	0	1.154
FloridaRiver062817_98	FR	1234419.13081	2330534.85819	28-06-2017 12:48:53	0.000000	0.000000	0.173619	782.4	41.7	-0.017	-0.048	0.747
FloridaRiver062817_99	FR	1234390.00282	2330373.68207	28-06-2017 12:52:51	0.000000	0.000000	0.148234	781.9	42.1	0	-0.089	0.639
FloridaRiver062317_12	FR_Sec18	1237505.38904	2335108.45444	23-06-2017 11:11:54	0.000000	0.000000	0.105506	783.0	39.9	0	-0.008	0.451
FloridaRiver062317_13	FR_Sec18	1237414.38438	2335056.18962	23-06-2017 11:19:15	0.000000	0.000000	0.087595	774.0	40.9	0	-0.039	0.38
FloridaRiver062317_14	FR_Sec18	1237423.96169	2335125.18491	23-06-2017 11:22:32	0.000000	0.000000	0.134348	775.0	41.4	0	-0.027	0.583
FloridaRiver062317_15	FR_Sec18	1237475.30473	2335165.19655	23-06-2017 11:26:22	0.220212	0.002301	0.075705	775.1	41.9	0.957	0.01	0.329
FloridaRiver062317_16	FR_Sec18	1237495.77347	2335240.06904	23-06-2017 11:29:38	0.000000	0.000000	0.267688	774.3	42.3	0	0	1.166
FloridaRiver062317_17	FR_Sec18	1237457.53598	2335292.25151	23-06-2017 11:33:37	0.000000	0.000000	0.295627	774.5	42.7	0	-0.066	1.289
FloridaRiver062317_18	FR_Sec18	1237432.07061	2335260.15424	23-06-2017 11:38:17	0.800588	0.000000	0.923314	775.4	43.0	3.49	-0.041	4.025
FloridaRiver062317_19	FR_Sec18	1237427.66702	2335299.67968	23-06-2017 11:40:23	0.000000	0.000000	0.398540	775.4	43.3	0	-0.071	1.739
FloridaRiver062317_20	FR_Sec18	1237416.415	2335218.97401	23-06-2017 11:44:11	0.000000	0.000000	0.307287	775.7	43.7	0	-0.038	1.342
FloridaRiver062317_21	FR_Sec18	1237415.44665	2335182.2241	23-06-2017 11:46:49	0.000000	0.000000	0.117788	775.3	43.9	0	-0.028	0.515
FloridaRiver062317_22	FR_Sec18	1237387.98252	2335115.36538	23-06-2017 11:54:34	0.000000			775.3	44.5	0		
FloridaRiver062317_23	FR_Sec18	1237372.87229	2335062.66639	23-06-2017 11:55:02	0.000000	0.000000	0.000000	775.3	44.5	0	-0.049	-3.607
FloridaRiver062317_24	FR_Sec18	1237326.9563	2335106.3585	23-06-2017 12:01:47	0.000000	0.003189	0.093162	775.3	45.2	0	0.014	0.409
FloridaRiver062317_25	FR_Sec18	1237326.00419	2335082.95997	23-06-2017 12:05:02	0.000000	0.000000	0.308556	775.9	45.3	0	0	1.354

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver062317_26	FR_Sec18	1237371.96116	2335200.90405	23-06-2017 12:10:20	0.000000	0.000000	0.056445	775.9	45.7	0	-0.008	0.248
FloridaRiver062317_27	FR_Sec18	1237354.25885	2335235.14654	23-06-2017 12:12:51	0.000000	0.000000	0.117162	775.8	45.8	0	-0.046	0.515
FloridaRiver062317_28	FR_Sec18	1237365.28529	2335296.00178	23-06-2017 12:15:35	0.000000	0.000000	0.093264	776.2	46.0	0	-0.076	0.41
FloridaRiver062317_29	FR_Sec18	1237339.79183	2335264.92531	23-06-2017 12:18:42	0.000000	0.000000	0.193245	776.5	46.3	0	0	0.85
FloridaRiver062317_30	FR_Sec18	1237313.96441	2335232.74197	23-06-2017 12:21:24	0.000000	0.000000	0.087274	776.5	46.4	0	-0.018	0.384
FloridaRiver062317_31	FR_Sec18	1237309.56349	2335175.28294	23-06-2017 13:05:06	0.000000	0.000000	0.123912	776.1	46.7	0	0	0.546
PoleBarn062717_01	PB	1236887.75397	2384680.34755	27-06-2017 11:32:31	0.000000	0.000000	0.181582	783.7	29.2	0	-0.006	0.749
PoleBarn062717_02	PB	1236938.99652	2384699.9424	27-06-2017 11:43:59	0.000000	0.000000	0.200122	783.3	31.8	0	-0.004	0.833
PoleBarn062717_03	PB	1236981.87946	2384681.7296	27-06-2017 11:47:12	0.000000	0.000000	1.638574	783.0	32.6	0	0	6.841
PoleBarn062717_04	PB	1237039.25111	2384697.37384	27-06-2017 11:49:46	0.000000	0.000000	0.100641	783.0	33.2	0	-0.008	0.421
PoleBarn062717_05	PB	1237085.03439	2384692.74809	27-06-2017 11:52:16	0.000000	0.000000	0.185334	782.8	33.8	0	-0.002	0.777
PoleBarn062717_06	PB	1237080.05697	2384653.1771	27-06-2017 11:54:53	0.000000	0.000000	0.188091	782.9	34.4	-0.025	-0.001	0.79
PoleBarn062717_07	PB	1237077.69785	2384607.61779	27-06-2017 11:57:58	0.000000	0.000000	0.172361	782.7	35.2	-0.001	-0.006	0.726
PoleBarn062717_08	PB	1237069.77007	2384546.42874	27-06-2017 12:00:30	0.000000	0.000000	0.132666	782.8	35.9	0	-0.004	0.56
PoleBarn062717_09	PB	1237075.90838	2384486.9522	27-06-2017 12:03:10	0.000000	0.000000	0.101639	782.8	36.6	0	-0.01	0.43
PoleBarn062717_10	PB	1237036.16866	2384507.39361	27-06-2017 12:05:44	0.000000	0.000000	0.386748	782.5	37.2	0	-0.015	1.64
PoleBarn062717_11	PB	1237019.58853	2384555.75685	27-06-2017 12:08:17	0.000000	0.000000	0.101914	782.5	37.8	0	-0.019	0.433
PoleBarn062717_12	PB	1237022.99936	2384607.68501	27-06-2017 12:10:58	0.000000	0.000000	0.706420	782.8	38.4	0	-0.004	3.006
PoleBarn062717_13	PB	1237026.82527	2384647.10232	27-06-2017 12:13:15	0.000000	0.000000	0.186330	782.7	38.8	0	-0.006	0.794
PoleBarn062717_14	PB	1236978.61575	2384636.69971	27-06-2017 12:15:46	0.000000	0.000000	0.096092	782.7	39.2	0	-0.016	0.41
PoleBarn062717_15	PB	1236867.05455	2384601.29247	27-06-2017 12:21:43	0.000000	0.000000	0.146688	782.8	39.8	0	-0.004	0.627
PoleBarn062717_16	PB	1236872.2584	2384647.60549	27-06-2017 12:23:49	0.000000	0.000000	0.308932	783.0	40.0	0	-0.014	1.321
PoleBarn062717_17	PB	1236916.48281	2384645.75351	27-06-2017 12:26:07	0.000000	0.000000	0.241909	782.8	40.1	0	-0.02	1.035
PoleBarn062717_18	PB	1236928.36814	2384602.65235	27-06-2017 12:28:31	0.000000	0.000000	0.228834	782.8	40.4	-0.15	-0.016	0.98
PoleBarn062717_19	PB	1236975.91662	2384590.30722	27-06-2017 12:31:03	0.000000	0.000000	0.267426	782.8	40.6	0	-0.013	1.146
PoleBarn062717_20	PB	1236970.79168	2384539.88142	27-06-2017 12:33:33	0.000000	0.000000	0.190678	782.7	40.9	0	-0.03	0.818

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PoleBarn062717_21	PB	1236969.37034	2384497.23499	27-06-2017 12:35:36	0.000000	0.000000	0.084081	782.8	41.2	0	-0.01	0.361
PoleBarn062717_22	PB	1236920.55047	2384494.2795	27-06-2017 12:37:58	0.000000	0.000000	0.145225	782.7	41.4	0	-0.026	0.624
PoleBarn062717_23	PB	1236929.74875	2384537.32927	27-06-2017 12:40:11	0.000000	0.000000	0.070683	782.7	41.7	0	-0.026	0.304
PoleBarn062717_24	PB	1236874.32833	2384543.32011	27-06-2017 12:42:23	0.000000	0.000000	0.149874	782.7	41.9	0	-0.004	0.645
PoleBarn062717_25	PB	1236877.52601	2384494.59357	27-06-2017 12:44:36	0.000000	0.000000	0.145153	782.8	42.1	0	-0.02	0.625
SFTC070517_01	TC2PR	1243563.571777	2370581.536679	05-07-2017 10:36:37	0.000000	0.000000	0.091403	780.4	31.1	-0.975	-0.004	0.381
SFTC070517_02	TC2PR	1243564.039877	2370788.308564	05-07-2017 10:40:10	0.690550	0.000239	1.277637	780.6	32.4	2.89	0.001	5.347
SFTC070517_03	TC2PR	1243598.699944	2370771.599011	05-07-2017 10:42:51	0.000000	0.003572	0.280559	780.6	33.4	-0.416	0.015	1.178
SFTC070517_04	TC2PR	1243595.964052	2370595.198193	05-07-2017 10:46:05	0.000000	0.000000	0.000000	780.6	34.6	-0.831	-0.003	-0.157
SFTC070517_05	TC2PR	1243596.412861	2370964.88246	05-07-2017 10:49:50	0.000000	0.000946	0.703549	780.4	35.6	-1.012	0.004	2.976
SFTC070517_06	TC2PR	1243554.072523	2370959.849808	05-07-2017 10:52:49	0.000000	0.004480	1.122553	780.6	36.5	-0.005	0.019	4.761
SFTC070517_07	TC2PR	1243601.032501	2371106.421301	05-07-2017 10:55:37	0.000000	0.002118	0.243310	780.8	37.2	-0.001	0.009	1.034
SFTC070517_08	TC2PR	1243582.336128	2371145.789197	05-07-2017 10:59:11	0.000000	0.001644	0.861931	781.1	38.0	-0.851	0.007	3.671
SFTC070517_09	TC2PR	1243544.478438	2371146.887934	05-07-2017 11:02:09	0.905031	0.005390	1.934733	781.1	38.6	3.862	0.023	8.256
SFTC070517_10	TC2PR	1243577.835349	2371193.959442	05-07-2017 11:04:25	0.000000	0.003041	0.569294	781.1	39.2	-0.001	0.013	2.434
SFTC070517_100	TC2PR	1243159.49578	2373767.803366	05-07-2017 15:53:43	0.305002	0.014762	0.477147	781.5	48.7	1.343	0.065	2.101
SFTC070517_11	TC2PR	1243561.28741	2371357.730305	05-07-2017 11:07:35	0.000000	0.002334	0.282000	781.1	39.8	-0.129	0.01	1.208
SFTC070517_12	TC2PR	1243545.377251	2371565.64336	05-07-2017 11:10:32	0.000000	0.001165	0.231773	780.9	40.4	0	0.005	0.995
SFTC070517_13	TC2PR	1243494.01276	2371601.70277	05-07-2017 11:12:59	0.000000	0.001397	0.304217	781.3	40.8	-0.001	0.006	1.307
SFTC070517_14	TC2PR	1243499.045137	2371654.412792	05-07-2017 11:15:16	0.000000	0.002093	0.120455	781.3	41.1	-0.001	0.009	0.518
SFTC070517_15	TC2PR	1243525.298708	2371789.769245	05-07-2017 11:18:02	0.000000	0.000929	0.280889	781.6	41.5	0	0.004	1.209
SFTC070517_16	TC2PR	1243448.435229	2371979.33748	05-07-2017 11:21:31	0.000000	0.001160	0.131076	781.7	42.0	-1.105	0.005	0.565
SFTC070517_17	TC2PR	1243211.425526	2371986.092235	05-07-2017 11:24:53	0.448424		0.409723	782.1	42.5	1.935		1.768
SFTC070517_18	TC2PR	1242793.671392	2371997.872597	05-07-2017 11:29:05	0.000000	0.000694	0.493190	782.3	43.0	-1.004	0.003	2.131
SFTC070517_19	TC2PR	1242871.519809	2371976.221289	05-07-2017 11:31:46	0.000000	0.009709	0.845806	782.1	43.3	-0.001	0.042	3.659
SFTC070517_20	TC2PR	1242944.728839	2371738.442664	05-07-2017 11:35:16	0.000000	0.006928	0.540133	782.3	43.7	-1.085	0.03	2.339

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC070517_21	TC2PR	1243189.540882	2371743.03201	05-07-2017 11:39:06	0.000000	0.001383	0.622011	782.0	44.1	-1.015	0.006	2.698
SFTC070517_22	TC2PR	1243260.646244	2371774.141931	05-07-2017 11:41:32	0.000000	0.002995	0.202714	782.1	44.4	-1.188	0.013	0.88
SFTC070517_23	TC2PR	1243361.538696	2371584.423649	05-07-2017 11:44:55	0.000000	0.005060	0.182637	781.7	44.7	-0.16	0.022	0.794
SFTC070517_24	TC2PR	1243109.279468	2371542.09221	05-07-2017 11:48:03	0.000000	0.002528	0.500451	781.6	45.0	-1.044	0.011	2.178
SFTC070517_25	TC2PR	1242949.398452	2371585.901143	05-07-2017 11:51:31	0.000000	0.000919	0.165576	781.9	45.3	0	0.004	0.721
SFTC070517_26	TC2PR	1242999.150233	2371422.527777	05-07-2017 11:54:50	0.000000	0.000918	0.188133	781.9	45.6	-1.14	0.004	0.82
SFTC070517_27	TC2PR	1243207.889342	2371362.106164	05-07-2017 11:58:36	0.000000	0.002292	0.586750	781.6	45.8	-2.312	0.01	2.56
SFTC070517_28	TC2PR	1243223.293657	2371455.54309	05-07-2017 12:01:39	1.982507	0.002522	1.571930	782.0	45.9	8.648	0.011	6.857
SFTC070517_29	TC2PR	1243332.567556	2371400.195755	05-07-2017 12:04:22	0.000000	0.004123	0.164004	781.6	46.0	-0.324	0.018	0.716
SFTC070517_30	TC2PR	1243366.181576	2371252.013154	05-07-2017 12:07:00	0.000000	0.002519	0.184824	781.5	46.0	0	0.011	0.807
SFTC070517_31	TC2PR	1243141.254126	2371223.92508	05-07-2017 12:10:03	0.000000	0.020144	0.772120	781.6	46.2	0	0.088	3.373
SFTC070517_32	TC2PR	1242957.03156	2371194.766395	05-07-2017 12:13:53	0.000000	0.002059	0.136829	781.5	46.3	0	0.009	0.598
SFTC070517_33	TC2PR	1243023.806478	2371007.996918	05-07-2017 12:17:29	0.000000	0.002056	0.978619	780.4	46.3	-2.074	0.009	4.283
SFTC070517_34	TC2PR	1243149.557098	2370931.140704	05-07-2017 12:20:50	0.000000	0.002969	0.171986	780.1	46.3	0	0.013	0.753
SFTC070517_35	TC2PR	1243160.962052	2370712.477712	05-07-2017 12:24:08	0.000000	0.002516	0.158992	781.1	46.2	0	0.011	0.695
SFTC070517_36	TC2PR	1243061.71494	2370547.846376	05-07-2017 12:27:11	0.000000	0.001144	0.241102	780.8	46.1	0	0.005	1.054
SFTC070517_37	TC2PR	1243367.572215	2370907.955836	05-07-2017 12:31:46	0.000000	0.002976	0.149497	781.2	46.0	0	0.013	0.653
SFTC070517_38	TC2PR	1243421.633243	2370809.224736	05-07-2017 12:34:37	0.000000	0.001145	1.181385	781.3	45.9	-0.003	0.005	5.158
SFTC070517_39	TC2PR	1243453.617033	2370629.616361	05-07-2017 12:37:18	0.000000	0.000687	0.439094	781.1	45.8	-2.024	0.003	1.917
SFTC070517_40	TC2PR	1243367.318903	2373678.048946	05-07-2017 12:57:08	0.000000	0.002286	0.330732	780.9	46.4	-2.897	0.01	1.447
SFTC070517_41	TC2PR	1243378.79967	2373573.304278	05-07-2017 13:00:33	0.000000	0.000687	0.443980	782.3	46.4	0	0.003	1.939
SFTC070517_42	TC2PR	1243413.819327	2373557.070835	05-07-2017 13:02:32	0.000000	0.002061	0.203329	782.3	46.4	0	0.009	0.888
SFTC070517_43	TC2PR	1243426.336652	2373400.057157	05-07-2017 13:05:20	0.000000	0.000458	0.129346	782.4	46.5	-0.111	0.002	0.565
SFTC070517_44	TC2PR	1243403.5917	2373413.043046	05-07-2017 13:07:22	0.000000	0.008468	1.658318	782.4	46.6	-1.363	0.037	7.246
SFTC070517_45	TC2PR	1243435.12261	2373168.530416	05-07-2017 13:11:02	0.000000	0.002286	0.109042	782.0	46.8	-0.106	0.01	0.477
SFTC070517_46	TC2PR	1243455.801586	2373039.258952	05-07-2017 13:14:01	0.000000	0.001142	0.208083	781.6	46.9	-0.992	0.005	0.911

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC070517_47	TC2PR	1243415.473826	2372781.166931	05-07-2017 13:17:49	0.000000	0.001598	0.198568	781.5	47.1	-2.412	0.007	0.87
SFTC070517_48	TC2PR	1243455.971558	2372564.026144	05-07-2017 13:20:52	0.000000	0.001368	0.139339	781.1	47.2	-0.295	0.006	0.611
SFTC070517_49	TC2PR	1243421.525828	2372568.09655	05-07-2017 13:23:19	0.414293	0.001140	0.121985	781.2	47.3	1.817	0.005	0.535
SFTC070517_50	TC2PR	1243478.590427	2372330.123434	05-07-2017 13:26:42	0.000000	0.002507	0.193951	781.1	47.4	-0.001	0.011	0.851
SFTC070517_51	TC2PR	1243445.361154	2372316.813339	05-07-2017 13:29:19	0.000000	0.009341	0.367047	781.1	47.5	-0.179	0.041	1.611
SFTC070517_52	TC2PR	1243425.868953	2372307.701304	05-07-2017 13:31:40	0.000000	0.005241	0.237438	781.2	47.5	-1.336	0.023	1.042
SFTC070517_53	TC2PR	1243393.35382	2372247.789196	05-07-2017 13:35:03	0.000000	0.007059	0.271449	781.2	47.7	-0.887	0.031	1.192
SFTC070517_54	TC2PR	1243375.258846	2372280.245511	05-07-2017 13:38:00	0.000000	0.002277	0.287300	781.2	47.8	-0.944	0.01	1.262
SFTC070517_55	TC2PR	1243341.569996	2372393.703982	05-07-2017 13:40:29	0.000000	0.001366	0.160724	781.2	47.8	-1.057	0.006	0.706
SFTC070517_56	TC2PR	1243374.694219	2372562.594191	05-07-2017 13:43:04	0.000000	0.002276	0.111957	781.1	47.9	-0.651	0.01	0.492
SFTC070517_57	TC2PR	1243337.382768	2372193.06774	05-07-2017 13:46:39	0.279697	0.014781	0.435463	780.8	48.0	1.23	0.065	1.915
SFTC070517_58	TC2PR	1243368.1142	2372166.135959	05-07-2017 13:48:57	0.000000	0.006144	0.430313	781.6	48.1	-0.773	0.027	1.891
SFTC070517_59	TC2PR	1243237.293203	2372197.79593	05-07-2017 13:52:06	0.000000	0.026840	0.595486	781.5	48.2	-0.626	0.118	2.618
SFTC070517_60	TC2PR	1242987.125064	2372146.921789	05-07-2017 13:57:07	0.000000	0.001591	0.185036	781.5	48.4	-0.62	0.007	0.814
SFTC070517_61	TC2PR	1242767.237846	2372165.606682	05-07-2017 14:00:42	0.000000	0.002046	0.252289	781.4	48.4	-0.982	0.009	1.11
SFTC070517_62	TC2PR	1242805.624151	2372344.237812	05-07-2017 14:03:54	0.000000	0.001589	0.122336	780.3	48.4	-0.876	0.007	0.539
SFTC070517_63	TC2PR	1242751.872974	2372549.713059	05-07-2017 14:07:32	0.000000	0.002269	0.122985	780.1	48.4	-0.648	0.01	0.542
SFTC070517_64	TC2PR	1242768.162192	2372744.492198	05-07-2017 14:10:37	0.000000	0.000680	0.521625	779.7	48.4	-2.48	0.003	2.3
SFTC070517_65	TC2PR	1242824.641556	2372910.539713	05-07-2017 14:13:39	0.000000	0.001588	0.106172	779.7	48.3	-1.119	0.007	0.468
SFTC070517_66	TC2PR	1242796.527303	2373127.280558	05-07-2017 14:18:01	0.000000	0.002268	0.147677	779.4	48.2	-0.034	0.01	0.651
SFTC070517_67	TC2PR	1242936.815699	2373190.630811	05-07-2017 14:21:12	0.000000	0.001589	0.120335	779.6	48.0	-0.219	0.007	0.53
SFTC070517_68	TC2PR	1242949.461311	2372987.746261	05-07-2017 14:24:13	0.000000	0.000000	0.180118	780.4	47.8	-0.584	0	0.792
SFTC070517_69	TC2PR	1242875.058989	2372760.204726	05-07-2017 14:27:25	0.000000	0.001365	0.083490	780.4	47.7	-0.896	0.006	0.367
SFTC070517_70	TC2PR	1242904.612656	2372567.191929	05-07-2017 14:30:48	0.000000	0.001366	0.078757	780.6	47.6	-0.159	0.006	0.346
SFTC070517_71	TC2PR	1242937.933762	2372531.879274	05-07-2017 14:33:22	1.025592	0.000000	1.157779	781.1	47.4	4.5	-0.001	5.08
SFTC070517_72	TC2PR	1242947.654834	2372500.820006	05-07-2017 14:35:28	0.342305	0.001824	1.246986	781.1	47.2	1.501	0.008	5.468

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC070517_73	TC2PR	1242991.802673	2372374.840834	05-07-2017 14:37:52	0.000000	0.011406	0.354047	781.1	47.1	-0.188	0.05	1.552
SFTC070517_74	TC2PR	1242983.950946	2372332.439254	05-07-2017 14:39:47	0.000000	0.005929	0.237613	780.8	47.1	-0.826	0.026	1.042
SFTC070517_75	TC2PR	1243175.31025	2372377.168621	05-07-2017 14:43:41	0.000000	0.007759	0.280907	781.1	47.0	0	0.034	1.231
SFTC070517_76	TC2PR	1243138.267759	2372527.870789	05-07-2017 14:46:09	0.000000	0.008668	0.257532	780.8	47.0	0	0.038	1.129
SFTC070517_77	TC2PR	1243165.383951	2372716.860957	05-07-2017 14:48:46	0.000000	0.008668	0.250233	780.8	47.0	-0.882	0.038	1.097
SFTC070517_78	TC2PR	1243181.36973	2372959.380107	05-07-2017 14:51:35	0.000000	0.003655	0.127936	782.0	47.0	-0.954	0.016	0.56
SFTC070517_79	TC2PR	1243153.130197	2373129.113872	05-07-2017 14:54:23	0.000000	0.002053	0.128181	781.2	47.2	-0.691	0.009	0.562
SFTC070517_80	TC2PR	1243044.509619	2373374.581197	05-07-2017 14:58:06	0.000000	0.001824	0.976716	781.2	47.4	-1.206	0.008	4.285
SFTC070517_81	TC2PR	1243152.31239	2373371.071608	05-07-2017 15:00:24	0.000000	0.002052	0.183983	781.6	47.5	-0.001	0.009	0.807
SFTC070517_82	TC2PR	1243365.13552	2373399.949125	05-07-2017 15:03:50	0.000000	0.005925	0.182535	781.5	47.6	-0.708	0.026	0.801
SFTC070517_83	TC2PR	1243243.722605	2373577.468504	05-07-2017 15:06:32	0.000000	0.003189	0.117551	781.5	47.7	-1.33	0.014	0.516
SFTC070517_84	TC2PR	1243257.662727	2373666.979969	05-07-2017 15:08:55	0.000000	0.001822	0.212483	781.5	47.8	-0.743	0.008	0.933
SFTC070517_85	TC2PR	1243152.666525	2373689.93983	05-07-2017 15:12:10	0.635914	0.022305	0.913131	781.5	48.0	2.794	0.098	4.012
SFTC070517_86	TC2PR	1243157.400663	2373554.793509	05-07-2017 15:14:37	0.000000	0.013886	0.252231	781.9	48.1	-0.001	0.061	1.108
SFTC070517_87	TC2PR	1243018.945525	2373607.59475	05-07-2017 15:16:57	0.000000	0.008186	0.282188	781.5	48.3	-0.001	0.036	1.241
SFTC070517_88	TC2PR	1242788.06963	2373569.19331	05-07-2017 15:20:45	0.000000	0.003181	0.195861	781.4	48.5	-0.4	0.014	0.862
SFTC070517_89	TC2PR	1242699.100971	2373371.557498	05-07-2017 15:24:14	0.000000	0.002041	0.636911	780.0	48.6	-0.001	0.009	2.809
SFTC070517_90	TC2PR	1242571.716556	2373731.447873	05-07-2017 15:27:56	0.000000	0.002263	0.042780	778.9	48.7	0	0.01	0.189
SFTC070517_91	TC2PR	1242575.641219	2373939.845725	05-07-2017 15:30:20	0.000000	0.000000	0.142458	780.6	48.7	-0.273	-0.001	0.628
SFTC070517_92	TC2PR	1242561.389208	2374109.728083	05-07-2017 15:32:54	0.000000	0.000908	0.319250	780.8	48.7	-0.901	0.004	1.407
SFTC070517_93	TC2PR	1242769.944079	2374090.084746	05-07-2017 15:35:52	0.000000	0.008850	0.152713	780.6	48.6	-0.788	0.039	0.673
SFTC070517_94	TC2PR	1242972.688894	2374082.425994	05-07-2017 15:39:04	0.000000	0.002497	0.134594	780.8	48.6	-1.255	0.011	0.593
SFTC070517_95	TC2PR	1242976.258	2373977.813073	05-07-2017 15:41:25	0.000000	0.003634	0.109485	781.4	48.6	-2.056	0.016	0.482
SFTC070517_96	TC2PR	1242820.552188	2373965.415242	05-07-2017 15:43:46	0.000000	0.004998	0.248984	781.5	48.6	-2.022	0.022	1.096
SFTC070517_97	TC2PR	1242776.7503	2373790.342773	05-07-2017 15:46:14	0.000000	0.001135	0.012942	781.1	48.6	-1.659	0.005	0.057
SFTC070517_98	TC2PR	1242868.990993	2373775.558504	05-07-2017 15:48:55	0.459164	0.000908	0.195650	780.8	48.6	2.023	0.004	0.862

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC070517_99	TC2PR	1242960.620258	2373758.753801	05-07-2017 15:50:57	0.000000	0.000454	0.053586	781.1	48.6	-1.103	0.002	0.236
SFTC070617_101	TC2PR	1243371.139853	2373793.914724	06-07-2017 10:09:52	16.323440	0.004619	1.242857	784.9	28.8	67.14	0.019	5.112
SFTC070617_102	TC2PR	1243435.028447	2373777.841459	06-07-2017 10:12:53	0.000000	0.003150	0.360576	784.9	29.8	-0.001	0.013	1.488
SFTC070617_103	TC2PR	1243549.268267	2373382.144768	06-07-2017 10:18:27	1.023418	0.000723	0.558557	784.8	31.6	4.249	0.003	2.319
SFTC070617_104	TC2PR	1243560.103766	2373440.557497	06-07-2017 10:21:30	0.495966	0.001917	0.788754	783.5	32.7	2.07	0.008	3.292
SFTC070617_105	TC2PR	1243571.852104	2373479.471984	06-07-2017 10:24:53	6.096741	0.002149	1.361014	783.5	33.7	25.529	0.009	5.699
SFTC070617_106	TC2PR	1243645.710562	2373456.396706	06-07-2017 10:27:29	0.000000	0.001905	0.224605	783.2	34.4	-0.001	0.008	0.943
SFTC070617_107	TC2PR	1243671.411698	2373497.890823	06-07-2017 10:29:49	0.000000	0.000000	0.055903	783.5	34.9	-0.001	0	0.235
SFTC070617_108	TC2PR	1243612.897605	2373522.304193	06-07-2017 10:32:03	0.000000	0.000000	0.014254	783.7	35.4	-1.203	0	0.06
SFTC070617_109	TC2PR	1243702.669438	2373378.984591	06-07-2017 10:34:58	0.435749	0.001659	0.380303	783.2	36.0	1.839	0.007	1.605
SFTC070617_110	TC2PR	1243768.362823	2373448.394394	06-07-2017 10:38:27	0.000000	0.002598	0.053139	782.4	36.7	0	0.011	0.225
SFTC070617_111	TC2PR	1243762.293263	2373295.729642	06-07-2017 10:41:27	0.000000	0.001886	0.120223	782.2	37.2	-0.001	0.008	0.51
SFTC070617_112	TC2PR	1243790.696611	2373337.990949	06-07-2017 10:43:40	0.000000	0.000471	0.382796	781.7	37.6	-0.001	0.002	1.627
SFTC070617_113	TC2PR	1243861.80846	2373365.599033	06-07-2017 10:46:16	0.000000	0.001879	0.346969	781.5	38.0	0	0.008	1.477
SFTC070617_114	TC2PR	1243879.926882	2373398.978801	06-07-2017 10:48:51	0.000000	0.003520	1.087241	781.7	38.4	-2.134	0.015	4.633
SFTC070617_115	TC2PR	1243919.253986	2373303.052003	06-07-2017 10:52:19	0.842588	0.010535	1.223029	781.1	38.9	3.599	0.045	5.224
SFTC070617_116	TC2PR	1243978.646922	2373366.072425	06-07-2017 10:54:53	0.000000	0.003035	0.053692	780.1	39.4	-0.001	0.013	0.23
SFTC070617_117	TC2PR	1243999.54368	2373406.927954	06-07-2017 10:56:46	0.000000	0.001399	0.052708	780.1	39.7	-0.001	0.006	0.226
SFTC070617_118	TC2PR	1244168.611737	2373363.62821	06-07-2017 11:00:13	0.000000	0.001628	0.043257	779.4	40.3	0	0.007	0.186
SFTC070617_119	TC2PR	1244319.377633	2373310.667775	06-07-2017 11:03:30	0.000000	0.000000	0.105657	778.0	40.9	-0.321	-0.003	0.456
SFTC070617_120	TC2PR	1244307.273992	2373165.824252	06-07-2017 11:06:38	0.000000	0.000462	0.074837	776.8	41.4	0	0.002	0.324
SFTC070617_121	TC2PR	1244326.330464	2373019.61048	06-07-2017 11:09:56	0.000000	0.000000	0.072223	777.0	41.8	-1.423	0	0.313
SFTC070617_122	TC2PR	1244188.850151	2373156.921981	06-07-2017 11:14:38	0.000000	0.000461	0.004379	777.3	42.3	-0.873	0.002	0.019
SFTC070617_123	TC2PR	1244177.092555	2373013.179262	06-07-2017 11:17:20	0.000000	0.000231	0.320056	778.2	42.5	-1.683	0.001	1.388
SFTC070617_124	TC2PR	1244013.898423	2372943.236314	06-07-2017 11:23:20	0.000000	0.000690	0.403680	777.7	42.9	-0.949	0.003	1.754
SFTC070617_125	TC2PR	1243943.067898	2373109.073758	06-07-2017 11:26:27	0.000000	0.000921	0.160917	778.4	43.1	-1.224	0.004	0.699

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC070617_126	TC2PR	1244146.91326	2372818.678165	06-07-2017 11:32:35	0.735723	0.000691	1.164031	779.6	43.5	3.195	0.003	5.055
SFTC070617_127	TC2PR	1244166.379563	2372597.511591	06-07-2017 11:38:37	0.000000	0.003965	0.184728	790.4	43.8	0	0.017	0.792
SFTC070617_128	TC2PR	1244154.488513	2372362.630811	06-07-2017 11:43:05	0.000000	0.000461	0.152214	780.6	43.9	0	0.002	0.661
SFTC070617_129	TC2PR	1244327.428961	2372182.647775	06-07-2017 11:46:45	0.000000	0.000919	0.343109	778.5	43.9	0	0.004	1.494
SFTC070617_130	TC2PR	1244208.339749	2372129.694541	06-07-2017 11:51:59	0.000000	0.001835	0.109637	778.0	44.1	0	0.008	0.478
SFTC070617_131	TC2PR	1243998.503393	2372170.879281	06-07-2017 11:55:55	0.000000	0.001146	0.143298	777.7	44.1	0	0.005	0.625
SFTC070617_132	TC2PR	1243969.240755	2372358.314247	06-07-2017 11:59:15	0.000000	0.001838	0.215532	779.4	44.1	-0.406	0.008	0.938
SFTC070617_133	TC2PR	1243953.43251	2372481.13105	06-07-2017 12:02:23	0.000000	0.000000	0.237913	779.7	44.1	0	-0.001	1.035
SFTC070617_134	TC2PR	1243979.744217	2372707.796539	06-07-2017 12:05:46	0.000000	0.001841	0.502085	780.5	44.1	0	0.008	2.182
SFTC070617_135	TC2PR	1243947.000789	2372730.844825	06-07-2017 12:07:43	0.000000	0.004834	0.357969	780.6	44.0	0	0.021	1.555
SFTC070617_136	TC2PR	1243789.890185	2372828.688168	06-07-2017 12:10:55	0.000000	0.000460	0.077094	780.6	44.1	-0.003	0.002	0.335
SFTC070617_137	TC2PR	1243762.456317	2372984.183612	06-07-2017 12:13:46	0.000000	0.000920	0.135071	780.5	44.1	-0.31	0.004	0.587
SFTC070617_138	TC2PR	1243777.757725	2373117.959675	06-07-2017 12:16:59	0.000000	0.000920	0.087675	780.8	44.2	-0.525	0.004	0.381
SFTC070617_139	TC2PR	1243566.65919	2373182.771287	06-07-2017 12:20:20	0.000000	0.001381	0.108860	780.9	44.2	-2.125	0.006	0.473
SFTC070617_140	TC2PR	1243524.977913	2373044.952935	06-07-2017 12:23:22	0.000000	0.000000	0.090899	782.8	44.2	0	-0.001	0.394
SFTC070617_141	TC2PR	1243516.759481	2373001.347709	06-07-2017 12:25:51	1.567572	0.005078	1.072051	783.1	44.2	6.792	0.022	4.645
SFTC070617_142	TC2PR	1243541.894486	2372998.942034	06-07-2017 12:28:38	0.000000	0.000000	0.299382	783.2	44.2	0	-0.002	1.297
SFTC070617_143	TC2PR	1243575.599863	2373017.375949	06-07-2017 12:31:13	0.000000	0.000922	0.121306	782.5	44.2	-0.001	0.004	0.526
SFTC070617_144	TC2PR	1243581.961732	2372959.562879	06-07-2017 12:33:47	0.000000	0.001153	0.116196	782.5	44.3	0	0.005	0.504
SFTC070617_145	TC2PR	1243533.336507	2372956.419129	06-07-2017 12:36:26	0.000000	0.001152	0.138206	782.3	44.5	0	0.005	0.6
SFTC070617_146	TC2PR	1243509.149656	2372972.808592	06-07-2017 12:39:10	0.000000	0.000691	0.238452	782.7	44.6	-0.62	0.003	1.035
SFTC070617_147	TC2PR	1243557.444103	2372805.496941	06-07-2017 12:43:11	0.000000	0.000922	0.080872	783.0	44.7	-0.001	0.004	0.351
SFTC070617_148	TC2PR	1243476.539657	2373851.845836	06-07-2017 13:15:46	1.007346	0.002331	1.660187	783.6	41.3	4.322	0.01	7.123
SFTC070617_149	TC2PR	1243500.703372	2373841.581101	06-07-2017 13:17:50	0.000000	0.000000	0.046782	783.5	41.7	-1.037	0	0.201
SFTC070617_150	TC2PR	1243475.62445	2373797.771849	06-07-2017 13:19:47	0.000000	0.000000	0.009065	783.2	42.0	0	0	0.039
SFTC070617_151	TC2PR	1243501.082605	2373894.414509	06-07-2017 13:22:30	13.753760	0.002788	4.771085	783.9	42.4	59.194	0.012	20.534

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC070617_152	TC2PR	1243543.22213	2373880.303313	06-07-2017 13:24:46	0.000000	0.000000	0.008579	783.5	42.9	0	0	0.037
SFTC070617_153	TC2PR	1243547.325209	2373933.10002	06-07-2017 13:27:21	3.894902	0.000695	2.703010	783.8	43.3	16.813	0.003	11.668
SFTC070617_154	TC2PR	1243577.631393	2373916.643894	06-07-2017 13:29:19	0.000000	0.000231	0.037236	783.5	43.7	-1.678	0.001	0.161
SFTC070617_155	TC2PR	1243590.689782	2373955.513975	06-07-2017 13:31:59	0.000000	0.000924	0.715411	783.8	44.1	0	0.004	3.096
SFTC070617_156	TC2PR	1243636.979016	2373997.108367	06-07-2017 13:34:22	0.000000	0.017309	0.699971	783.8	44.5	0	0.075	3.033
SFTC070617_157	TC2PR	1243670.563278	2374031.590913	06-07-2017 13:36:30	0.000000	0.005302	0.186494	783.9	44.9	-1.536	0.023	0.809
SFTC070617_158	TC2PR	1243716.411399	2374100.237574	06-07-2017 13:38:48	0.000000	0.000921	0.157040	784.0	45.3	-0.705	0.004	0.682
SFTC070617_159	TC2PR	1243604.582742	2374050.205183	06-07-2017 13:41:43	0.000000	0.008046	0.142752	783.9	45.8	-0.723	0.035	0.621
SFTC070617_160	TC2PR	1243554.970791	2374033.806911	06-07-2017 13:45:52	0.000000	0.000917	0.355937	783.8	46.5	-0.001	0.004	1.552
SFTC070617_161	TC2PR	1243546.361741	2374092.692738	06-07-2017 13:48:12	0.000000	0.003668	0.085283	784.0	46.7	-0.002	0.016	0.372
SFTC070617_162	TC2PR	1243526.041272	2374058.237153	06-07-2017 13:50:42	0.000000	0.001145	0.286265	783.9	47.0	0	0.005	1.25
SFTC070617_163	TC2PR	1243497.365268	2374056.580319	06-07-2017 13:52:53	0.000000	0.000687	0.270253	784.2	47.1	-0.616	0.003	1.18
SFTC070617_164	TC2PR	1243492.373816	2374091.478043	06-07-2017 13:55:09	0.000000	0.002747	0.153133	784.0	47.2	-0.494	0.012	0.669
SFTC070617_165	TC2PR	1243548.893925	2374181.237618	06-07-2017 13:57:45	0.000000	0.005725	0.122507	784.3	47.2	-0.227	0.025	0.535
SFTC070617_166	TC2PR	1243540.553637	2373972.5579	06-07-2017 14:00:57	2.915305	0.002290	0.857443	784.2	47.2	12.733	0.01	3.745
SFTC070617_167	TC2PR	1243475.15551	2373930.961043	06-07-2017 14:03:39	20.323510	0.000687	2.446687	783.9	47.1	88.772	0.003	10.687
SFTC070617_168	TC2PR	1243462.126775	2373938.889677	06-07-2017 14:05:30	30.154670	0.001145	2.272921	783.9	47.1	131.714	0.005	9.928
SFTC070617_169	TC2PR	1243426.921412	2373921.297051	06-07-2017 14:08:36	1.761776	0.000000	0.731057	784.2	47.0	7.69	-0.002	3.191
SFTC070617_170	TC2PR	1243417.354678	2373964.763982	06-07-2017 14:11:04	0.575088	0.003210	2.914879	784.4	46.8	2.508	0.014	12.712
SFTC070617_171	TC2PR	1243416.838532	2374008.792829	06-07-2017 14:13:15	0.000000	0.000459	0.023402	784.6	46.7	-0.309	0.002	0.102
SFTC070617_172	TC2PR	1243461.005475	2374022.846556	06-07-2017 14:15:51	134.099800	0.001837	7.397187	784.8	46.5	583.973	0.008	32.213
SFTC070617_173	TC2PR	1243444.438634	2374068.105413	06-07-2017 14:18:06	0.000000	0.000919	0.498284	785.0	46.3	-1.504	0.004	2.168
SFTC070617_174	TC2PR	1243395.833259	2374052.581845	06-07-2017 14:20:28	0.000000	0.000920	0.037247	784.8	46.1	-0.734	0.004	0.162
SFTC070617_175	TC2PR	1243344.015096	2374091.287326	06-07-2017 14:23:09	13.476530	0.000460	1.123236	785.0	45.9	58.562	0.002	4.881
SFTC070617_176	TC2PR	1243348.011667	2374111.765061	06-07-2017 14:25:27	0.000000	0.000000	0.295757	785.0	45.6	-0.406	-0.002	1.284
SFTC070617_177	TC2PR	1243386.188893	2374113.156372	06-07-2017 14:28:00	1.196679	0.000000	2.931312	785.0	45.4	5.192	-0.007	12.718

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC070617_178	TC2PR	1243412.958188	2374093.344941	06-07-2017 14:30:21	0.000000	0.000000	0.504490	784.8	45.2	-1.692	0	2.188
SFTC070617_179	TC2PR	1243436.179127	2374116.505004	06-07-2017 14:32:54	0.000000	0.000000	0.185265	784.8	45.0	-1.239	-0.001	0.803
SFTC070617_180	TC2PR	1243363.034598	2374031.89808	06-07-2017 14:35:33	0.000000	0.000000	0.636023	784.8	44.8	-0.35	-0.002	2.755
SFTC070617_181	TC2PR	1243344.870731	2374029.534147	06-07-2017 14:37:22	0.000000	0.000000	0.299290	784.8	44.7	-1.613	0	1.296
SFTC070617_182	TC2PR	1243371.920028	2373979.914818	06-07-2017 14:39:38	0.000000	0.000000	0.346069	784.6	44.5	-0.019	-0.004	1.498
SFTC070617_183	TC2PR	1243386.171208	2373978.722735	06-07-2017 14:42:15	0.000000	0.000000	0.410320	784.6	44.3	-0.355	0	1.775
SFTC070617_184	TC2PR	1243328.047637	2373977.842716	06-07-2017 14:44:56	0.000000	0.000000	0.000000	784.6	44.2	-1.072	-0.003	-0.012
SFTC070617_185	TC2PR	1243277.095611	2374036.953886	06-07-2017 14:47:19	0.000000	0.004165	0.124964	784.7	44.0	-1.074	0.018	0.54
SFTC070617_186	TC2PR	1243298.895086	2374063.99415	06-07-2017 14:49:25	0.000000	0.004630	0.190745	784.7	43.9	0	0.02	0.824
SFTC070617_187	TC2PR	1243305.334021	2374086.705339	06-07-2017 14:51:26	0.000000	0.007181	0.000000	785.0	43.8	0	0.031	-4.572
SFTC070617_188	TC2PR	1243232.018274	2373975.624504	06-07-2017 14:54:33	0.000000	0.003938	0.178126	784.7	43.7	-0.004	0.017	0.769
SFTC070617_189	TC2PR	1243214.687236	2373968.726983	06-07-2017 14:56:49	0.000000	0.003478	0.591728	785.0	43.5	0	0.015	2.552
SFTC070617_190	TC2PR	1243180.631935	2373981.80172	06-07-2017 14:59:18	0.000000	0.002087	0.640609	784.7	43.4	0	0.009	2.763
SFTC070617_191	TC2PR	1243164.933713	2373877.468404	06-07-2017 15:02:07	0.000000	0.008353	0.810428	785.0	43.3	0	0.036	3.493
SFTC070617_192	TC2PR	1243200.305687	2373751.707132	06-07-2017 15:05:03	0.000000	0.002552	0.220399	784.7	43.2	-2.496	0.011	0.95
SFTC070617_193	TC2PR	1243228.873987	2373767.803909	06-07-2017 15:07:34	0.000000	0.000928	0.141510	784.4	43.1	0	0.004	0.61
SFTC070617_194	TC2PR	1243246.79819	2373818.901023	06-07-2017 15:09:53	0.000000	0.000928	0.344960	784.4	43.1	-5.607	0.004	1.487
SFTC070617_195	TC2PR	1243265.106566	2373796.509533	06-07-2017 15:11:59	0.000000	0.000232	0.031096	784.4	43.0	0	0.001	0.134
SFTC070617_196	TC2PR	1243227.967832	2373863.460835	06-07-2017 15:14:18	0.000000	0.000000	0.160625	784.6	43.0	-6.629	0	0.692
SFTC070617_197	TC2PR	1243238.993238	2373925.429636	06-07-2017 15:16:46	2.056073	0.000464	5.782966	784.7	42.9	8.854	0.002	24.903
SFTC070617_198	TC2PR	1243292.607254	2373921.357118	06-07-2017 15:18:59	0.000000	0.001625	0.288074	784.4	42.9	-4.205	0.007	1.241
SFTC070617_199	TC2PR	1243322.32181	2373894.474001	06-07-2017 15:20:51	0.000000	0.000697	0.250548	784.4	42.8	0	0.003	1.079
SFTC070617_200	TC2PR	1243293.722334	2373819.540046	06-07-2017 15:23:27	6.234257	0.000232	1.623623	784.2	42.8	26.855	0.001	6.994
SFTC070617_201	TC2PR	1243290.473089	2373755.014507	06-07-2017 15:25:36	0.000000	0.000929	0.277878	784.2	42.8	0	0.004	1.197
SFTC070617_202	TC2PR	1243294.409373	2373703.291252	06-07-2017 15:27:40	0.000000	0.002089	0.125126	784.2	42.8	0	0.009	0.539
SFTC070717_203	TC2PR	1243364.130824	2374138.211847	07-07-2017 10:00:51	1186.699000	0.003145	1.120891	785.2	30.4	4905.005	0.013	4.633

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC070717_204	TC2PR	1243373.245122	2374138.799761	07-07-2017 10:04:35	1687.328000	0.003615	1.900157	785.2	31.6	7001.832	0.015	7.885
SFTC070717_205	TC2PR	1243382.239931	2374140.69255	07-07-2017 10:06:51	1923.885000	0.004325	0.223455	785.2	32.5	8007.04	0.018	0.93
SFTC070717_206	TC2PR	1243402.155374	2374143.832916	07-07-2017 10:09:13	136.408700	0.003115	1.459929	785.2	33.3	569.207	0.013	6.092
SFTC070717_207	TC2PR	1243423.90298	2374150.103053	07-07-2017 10:11:31	0.483324	0.001672	1.512569	785.1	34.2	2.023	0.007	6.331
SFTC070717_208	TC2PR	1243431.625716	2374139.4939	07-07-2017 10:13:46	0.277887	0.006673	1.071270	785.2	35.0	1.166	0.028	4.495
SFTC070717_209	TC2PR	1243455.639683	2374142.30718	07-07-2017 10:16:16	0.375457	0.007129	0.724774	785.2	35.9	1.58	0.03	3.05
SFTC070717_210	TC2PR	1243367.704987	2374149.389596	07-07-2017 10:19:13	2.062569	0.000711	0.007108	785.2	36.8	8.705	0.003	0.03
SFTC070717_211	TC2PR	1243373.29895	2374159.237145	07-07-2017 10:21:47	1064.761000	0.002837	0.247282	785.2	37.5	4503.935	0.012	1.046
SFTC070717_212	TC2PR	1243372.596215	2374171.21843	07-07-2017 10:24:19	1.666860	0.000708	0.009203	785.5	38.2	7.064	0.003	0.039
SFTC070717_213	TC2PR	1243370.894951	2374178.600427	07-07-2017 10:26:40	0.297687	0.000707	0.027319	785.5	38.8	1.264	0.003	0.116
SFTC070717_214	TC2PR	1243377.49494	2374186.142335	07-07-2017 10:28:43	589.557300	0.005643	2.056018	785.5	39.3	2507.317	0.024	8.744
SFTC070717_215	TC2PR	1243403.07669	2374178.008569	07-07-2017 10:31:34	0.620539	0.003283	0.015947	785.2	40.0	2.646	0.014	0.068
SFTC070717_216	TC2PR	1243436.707835	2374178.594902	07-07-2017 10:34:23	14.674610	0.003744	1.628016	785.5	40.8	62.709	0.016	6.957
SFTC070717_217	TC2PR	1243485.393427	2374178.825057	07-07-2017 10:37:21	0.000000	0.003968	0.199546	785.4	41.6	-0.001	0.017	0.855
SFTC070717_218	TC2PR	1243287.797616	2374103.152765	07-07-2017 10:44:44	143.873400	0.000465	0.363982	785.4	43.1	619.397	0.002	1.567
SFTC070717_219	TC2PR	1243258.68582	2374106.542991	07-07-2017 10:48:59	0.000000	0.003706	0.311277	785.1	43.9	-0.004	0.016	1.344
SFTC070717_220	TC2PR	1243277.458278	2374118.494062	07-07-2017 10:51:27	4.025728	0.001388	2.126193	785.0	44.3	17.406	0.006	9.193
SFTC070717_221	TC2PR	1243297.078728	2374119.329394	07-07-2017 10:53:34	11.183810	0.003004	2.655637	785.0	44.6	48.401	0.013	11.493
SFTC070717_222	TC2PR	1243317.003962	2374146.723616	07-07-2017 10:55:28	0.000000	0.000693	1.451334	785.0	44.8	-0.153	0.003	6.285
SFTC070717_223	TC2PR	1243319.995404	2374148.569341	07-07-2017 10:57:43	1.216264	0.004383	4.187251	785.0	45.1	5.272	0.019	18.15
SFTC070717_224	TC2PR	1243285.592099	2374147.020734	07-07-2017 11:00:18	2.312027	0.001844	1.705964	785.1	45.5	10.033	0.008	7.403
SFTC070717_225	TC2PR	1243277.85697	2374143.137398	07-07-2017 11:02:24	4.837729	0.002072	1.266240	785.1	45.8	21.013	0.009	5.5
SFTC070717_226	TC2PR	1243224.316666	2374083.214936	07-07-2017 11:05:21	0.456280	0.000920	0.532863	785.0	46.1	1.984	0.004	2.317
SFTC070717_227	TC2PR	1243205.529416	2374040.601082	07-07-2017 11:08:18	15.391430	0.006433	3.349729	785.0	46.4	66.988	0.028	14.579
SFTC070717_228	TC2PR	1243173.513535	2374021.166869	07-07-2017 11:10:42	0.000000	0.004133	0.442708	785.0	46.6	-0.242	0.018	1.928
SFTC070717_229	TC2PR	1243164.931372	2374039.466104	07-07-2017 11:13:07	0.000000	0.001377	0.049340	784.8	46.7	-0.416	0.006	0.215

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC070717_230	TC2PR	1243167.725348	2374087.008877	07-07-2017 11:15:33	0.000000	0.000459	0.000000	784.6	46.7	-1.214	0.002	-0.013
SFTC070717_231	TC2PR	1243186.6416	2374133.660973	07-07-2017 11:18:17	0.000000	0.001376	0.179609	784.2	46.6	-1.579	0.006	0.783
SFTC070717_232	TC2PR	1243207.386686	2374152.240613	07-07-2017 11:20:34	0.000000	0.000918	0.142483	783.9	46.4	-0.001	0.004	0.621
SFTC070717_233	TC2PR	1243228.995694	2374176.402773	07-07-2017 11:23:48	0.000000	0.001148	0.197214	783.9	46.2	-0.822	0.005	0.859
SFTC070717_234	TC2PR	1243232.478967	2374212.10013	07-07-2017 11:26:23	0.000000	0.000689	0.096499	784.0	46.0	-1.473	0.003	0.42
SFTC070717_235	TC2PR	1243210.260185	2374247.485311	07-07-2017 11:29:04	0.000000	0.000230	0.825620	783.6	45.8	-0.39	0.001	3.593
SFTC070717_236	TC2PR	1243188.575823	2374343.567148	07-07-2017 11:32:52	0.000000	0.000460	0.075857	783.4	45.6	-0.79	0.002	0.33
SFTC070717_237	TC2PR	1243234.279632	2374352.631413	07-07-2017 11:35:10	0.000000	0.000230	0.176904	783.5	45.4	-2.819	0.001	0.769
SFTC070717_238	TC2PR	1243256.627115	2374346.259255	07-07-2017 11:37:26	1.401187	0.001612	0.570240	783.9	45.2	6.084	0.007	2.476
SFTC070717_239	TC2PR	1243256.891799	2374265.321273	07-07-2017 11:40:15	0.000000	0.000000	0.093747	784.0	45.2	-1.383	-0.002	0.407
SFTC070717_240	TC2PR	1243268.388117	2374180.807497	07-07-2017 11:43:15	5.191348	0.001152	0.946792	783.9	45.2	22.541	0.005	4.111
SFTC070717_241	TC2PR	1243288.56012	2374192.157035	07-07-2017 11:45:54	157.081000	0.006451	4.287168	784.4	45.3	681.83	0.028	18.609
SFTC070717_242	TC2PR	1243289.019734	2374210.405037	07-07-2017 11:48:08	286.928300	0.003686	2.174570	784.4	45.3	1245.449	0.016	9.439
SFTC070717_243	TC2PR	1243340.624953	2374232.447399	07-07-2017 11:52:42	0.254739	0.000921	0.917845	784.7	45.5	1.106	0.004	3.985
SFTC070717_244	TC2PR	1243360.856443	2374243.578939	07-07-2017 11:54:57	3.258350	0.001612	0.179574	784.6	45.6	14.153	0.007	0.78
SFTC070717_245	TC2PR	1243353.97382	2374263.69047	07-07-2017 11:57:09	0.000000	0.000690	0.041644	784.6	45.8	-0.884	0.003	0.181
SFTC070717_246	TC2PR	1243391.395587	2374225.923099	07-07-2017 12:00:21	1807.690000	0.006899	0.614924	784.7	46.0	7860.753	0.03	2.674
SFTC070717_247	TC2PR	1243402.285672	2374240.597271	07-07-2017 12:02:33	0.000000	0.003908	0.464152	784.7	46.1	-0.001	0.017	2.019
SFTC070717_248	TC2PR	1243417.241785	2374241.455545	07-07-2017 12:04:25	2.922391	0.004137	0.344730	784.7	46.2	12.716	0.018	1.5
SFTC070717_249	TC2PR	1243430.535986	2374210.337284	07-07-2017 12:07:05	25.065480	0.001378	1.278148	784.7	46.4	109.134	0.006	5.565
SFTC070717_250	TC2PR	1243447.964705	2374224.729711	07-07-2017 12:10:21	109.171500	0.000688	2.121594	784.7	46.7	475.774	0.003	9.246
SFTC070717_251	TC2PR	1243410.866044	2374260.867524	07-07-2017 12:14:19	21.873450	0.002063	1.165566	784.6	47.0	95.427	0.009	5.085
SFTC070717_252	TC2PR	1243508.418732	2374295.536547	07-07-2017 12:17:02	0.000000	0.004122	0.066640	784.6	47.3	-1.388	0.018	0.291
SFTC070717_253	TC2PR	1243540.771964	2374272.432623	07-07-2017 12:19:02	0.000000	0.006181	0.207640	784.6	47.4	-0.051	0.027	0.907
SFTC070717_254	TC2PR	1243523.302486	2374389.535363	07-07-2017 12:22:03	0.000000	0.003203	0.156491	784.6	47.6	-1.165	0.014	0.684
SFTC070717_255	TC2PR	1243458.524447	2374340.659866	07-07-2017 12:24:53	12.124830	0.000915	2.697784	784.6	47.8	53.029	0.004	11.799

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC070717_256	TC2PR	1243421.651064	2374338.172848	07-07-2017 12:27:29	0.000000	0.001143	0.459492	784.7	47.9	-0.44	0.005	2.01
SFTC070717_257	TC2PR	1243334.885114	2374355.528222	07-07-2017 12:30:00	0.000000	0.001599	1.220195	784.3	48.0	-1.744	0.007	5.342
SFTC070717_258	TC2PR	1243281.92837	2374427.635084	07-07-2017 12:32:41	0.000000	0.001142	0.243626	784.0	48.0	-0.313	0.005	1.067
SFTC070717_259	TC2PR	1243345.282202	2374437.164674	07-07-2017 12:34:59	0.000000	0.001370	0.514129	783.9	48.0	-1.015	0.006	2.252
SFTC070717_260	TC2PR	1243461.362209	2374458.63301	07-07-2017 12:37:38	0.000000	0.000913	0.116219	784.0	48.0	-1.004	0.004	0.509
SFTC070717_261	TC2PR	1243538.862758	2374571.137859	07-07-2017 12:40:11	0.000000	0.008912	0.286542	784.6	48.0	-0.946	0.039	1.254
SFTC070717_262	TC2PR	1243577.899747	2374930.519011	07-07-2017 12:43:52	0.000000	0.004342	0.072664	784.6	48.0	-0.607	0.019	0.318
SFTC070717_263	TC2PR	1243423.948645	2375023.129076	07-07-2017 12:47:35	0.000000	0.002285	0.072659	784.3	47.9	-0.612	0.01	0.318
SFTC070717_264	TC2PR	1243390.238214	2374952.342854	07-07-2017 12:50:25	0.000000	0.002509	0.148954	783.0	47.9	-0.554	0.011	0.653
SFTC070717_265	TC2PR	1243250.196874	2374941.26751	07-07-2017 12:54:29	39.764970	0.001370	1.151294	783.4	47.8	174.182	0.006	5.043
SFTC070717_266	TC2PR	1243228.412052	2375025.408888	07-07-2017 12:57:01	0.000000	0.000684	0.107127	781.9	47.7	-1.537	0.003	0.47
SFTC070717_267	TC2PR	1243184.935431	2374887.588008	07-07-2017 13:01:34	0.000000	0.001824	0.817564	782.1	47.7	-0.281	0.008	3.586
SFTC070717_268	TC2PR	1243138.260724	2374730.677417	07-07-2017 13:04:41	0.000000	0.000228	0.158713	780.9	47.6	-0.656	0.001	0.697
SFTC070717_269	TC2PR	1243219.607584	2374741.965696	07-07-2017 13:08:10	0.314872	0.001367	0.951680	781.1	47.5	1.382	0.006	4.177
SFTC070717_270	TC2PR	1243394.482276	2374731.066113	07-07-2017 13:11:28	0.000000	0.001826	0.119799	782.3	47.5	-4.588	0.008	0.525
SFTC070717_271	TC2PR	1243336.973742	2374619.566778	07-07-2017 13:14:38	0.000000	0.001372	0.476227	783.8	47.5	-1.434	0.006	2.083
SFTC070717_272	TC2PR	1243286.489447	2374558.897618	07-07-2017 13:17:11	0.000000	0.003429	0.566535	783.8	47.5	-0.86	0.015	2.478
SFTC070717_273	TC2PR	1243247.766625	2374647.320331	07-07-2017 13:20:11	0.000000	0.000686	0.624377	783.8	47.5	-0.235	0.003	2.731
SFTC070717_274	TC2PR	1243175.050135	2374656.162674	07-07-2017 13:23:06	0.000000	0.002057	0.385517	783.2	47.4	-1.128	0.009	1.687
SFTC070717_275	TC2PR	1243176.839566	2374572.048379	07-07-2017 13:25:37	0.000000	0.000686	0.302847	783.1	47.3	-0.05	0.003	1.325
SFTC070717_276	TC2PR	1243160.456923	2374499.321462	07-07-2017 13:28:16	0.000000	0.000000	0.273305	783.1	47.1	-0.117	0	1.195
SFTC070717_277	TC2PR	1243066.115376	2374459.028172	07-07-2017 13:31:41	0.000000	0.001832	0.048080	783.2	46.8	-0.461	0.008	0.21
SFTC070717_278	TC2PR	1243071.683083	2374384.341843	07-07-2017 13:34:20	0.000000	0.000458	0.123607	782.3	46.5	-2.603	0.002	0.54
SFTC070717_279	TC2PR	1243015.340529	2374349.649424	07-07-2017 13:36:40	0.000000	0.001146	0.086606	782.3	46.2	-0.069	0.005	0.378
SFTC070717_280	TC2PR	1242965.809644	2374340.323849	07-07-2017 13:39:49	0.000000	0.000688	0.172512	782.3	45.8	-0.118	0.003	0.752
SFTC070717_281	TC2PR	1242948.478293	2374465.643348	07-07-2017 13:43:00	0.000000	0.000689	0.114358	782.1	45.4	-1.196	0.003	0.498

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC070717_282	TC2PR	1242953.228595	2374559.640566	07-07-2017 13:45:29	0.000000	0.000919	0.282958	781.5	45.1	-1.3	0.004	1.232
SFTC070717_283	TC2PR	1243077.063087	2374556.201656	07-07-2017 13:47:42	0.000000	0.000920	0.239929	782.0	44.8	-1.009	0.004	1.043
SFTC070717_284	TC2PR	1243077.60228	2374622.562489	07-07-2017 13:49:50	0.000000	0.000000	0.088424	782.3	44.6	-9.126	-0.001	0.384
SFTC070717_285	TC2PR	1242996.368496	2374654.095516	07-07-2017 13:52:23	0.000000	0.000000	0.157363	782.0	44.3	-0.736	-0.004	0.683
SFTC070717_286	TC2PR	1242992.047033	2374738.642196	07-07-2017 13:55:01	0.000000	0.000231	0.208913	781.9	44.0	-0.157	0.001	0.906
SFTC070717_287	TC2PR	1243031.820345	2374978.875411	07-07-2017 13:58:17	0.000000	0.000000	0.108031	782.0	43.7	-1.128	-0.001	0.468
SFTC070717_288	TC2PR	1243039.872259	2375042.543148	07-07-2017 14:00:55	0.000000	0.000000	0.040900	782.3	43.5	-1.755	-0.001	0.177
SFTC070717_289	TC2PR	1242853.384342	2374844.06414	07-07-2017 14:08:33	0.000000	0.000695	0.264220	782.5	42.9	-1.497	0.003	1.141
SFTC070717_290	TC2PR	1242818.90359	2374761.82699	07-07-2017 14:12:54	0.000000	0.000463	0.525288	781.3	42.5	-6.463	0.002	2.269
SFTC070717_291	TC2PR	1242816.583641	2374575.268311	07-07-2017 14:16:14	0.000000	0.000696	0.678885	781.5	42.1	-1.593	0.003	2.928
SFTC070717_292	TC2PR	1242595.641733	2374556.057724	07-07-2017 14:21:06	0.000000	0.000000	0.060349	781.6	41.8	0	-0.001	0.26
SFTC070717_293	TC2PR	1242571.870549	2374395.025389	07-07-2017 14:26:22	0.000000	0.000232	0.212078	781.7	41.6	-1.48	0.001	0.913
SFTC070717_294	TC2PR	1242676.271937	2374783.076968	07-07-2017 14:32:14	0.000000	0.000000	0.184427	781.9	41.3	-2.224	0	0.793
SFTC070717_295	TC2PR	1242495.404204	2374909.873265	07-07-2017 14:35:42	0.000000	0.002096	0.166477	782.3	41.1	0	0.009	0.715
SFTC070717_296	TC2PR	1242571.321575	2374962.92867	07-07-2017 14:38:54	0.000000	0.001632	0.214002	783.0	41.0	0	0.007	0.918
SFTC070717_297	TC2PR	1242555.505519	2375170.439911	07-07-2017 14:43:26	0.000000	0.000000	2.116993	783.2	40.9	-0.001	0	9.076
SFTC070717_298	TC2PR	1242358.781307	2375094.985193	07-07-2017 14:47:24	0.000000	0.004433	0.261075	783.4	40.9	0	0.019	1.119
SFTC070717_299	TC2PR	1242339.562094	2375319.334783	07-07-2017 14:51:19	0.000000	0.003499	0.205495	783.2	40.9	0	0.015	0.881
SFTC070717_300	TC2PR	1242544.675112	2375390.563203	07-07-2017 14:54:28	0.000000	0.001398	0.051972	782.3	40.8	0	0.006	0.223
SFTC070717_301	TC2PR	1242723.021716	2375299.801752	07-07-2017 14:58:12	0.000000	0.000000	0.268051	782.4	40.8	-0.021	-0.005	1.15
SFTC070717_302	TC2PR	1242723.473428	2375242.468967	07-07-2017 15:01:08	0.000000	0.000233	0.206040	783.0	40.7	-1.628	0.001	0.883
SFTC071117_303	TC2PR	1242395.054027	2375531.490423	11-07-2017 09:45:26	0.000000	0.002636	0.430204	776.3	29.8	-0.817	0.011	1.795
SFTC071117_304	TC2PR	1242528.484937	2375538.661802	11-07-2017 09:49:01	0.000000	0.002633	0.203928	776.3	30.2	-1.459	0.011	0.852
SFTC071117_305	TC2PR	1242730.526226	2375526.362434	11-07-2017 09:52:14	0.000000	0.003590	0.723165	776.9	30.5	-0.829	0.015	3.022
SFTC071117_306	TC2PR	1242742.548319	2375765.624797	11-07-2017 09:56:01	0.000000	0.002390	0.510365	777.1	30.9	-1.78	0.01	2.135
SFTC071117_307	TC2PR	1242587.633409	2375776.896316	11-07-2017 10:00:21	0.000000	0.000000	0.227863	775.6	31.2	-0.678	-0.002	0.956

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071117_308	TC2PR	1242414.370851	2375745.68457	11-07-2017 10:04:25	0.000000	0.002141	0.177267	775.8	31.8	-0.725	0.009	0.745
SFTC071117_309	TC2PR	1242422.948634	2375927.091998	11-07-2017 10:07:54	0.000000	0.003091	0.292437	776.2	32.2	-0.645	0.013	1.23
SFTC071117_310	TC2PR	1242550.919251	2375971.787763	11-07-2017 10:11:10	0.427476	0.001660	0.185880	774.8	32.5	1.803	0.007	0.784
SFTC071117_311	TC2PR	1242747.748104	2375934.787352	11-07-2017 10:15:20	0.000000	0.000000	0.317628	774.8	32.8	0	0	1.341
SFTC071117_312	TC2PR	1242959.941341	2375762.553875	11-07-2017 10:19:41	0.000000	0.001183	0.190697	774.7	33.1	-3.352	0.005	0.806
SFTC071117_313	TC2PR	1242982.900361	2375948.040734	11-07-2017 10:23:19	0.000000	0.000947	0.585678	775.4	33.2	-0.659	0.004	2.474
SFTC071117_314	TC2PR	1243132.757672	2375951.537861	11-07-2017 10:27:45	0.000000	0.001416	0.150066	773.6	33.5	0	0.006	0.636
SFTC071117_315	TC2PR	1243310.824583	2375987.667858	11-07-2017 10:31:45	0.000000	0.000706	0.182625	772.1	33.7	0	0.003	0.776
SFTC071117_316	TC2PR	1243583.887113	2376010.122488	11-07-2017 10:39:11	0.000000	0.001640	0.160467	770.3	34.4	-0.001	0.007	0.685
SFTC071117_317	TC2PR	1243570.679281	2376101.424469	11-07-2017 10:43:17	0.000000	0.003748	0.124843	771.2	34.8	-1.033	0.016	0.533
SFTC071117_318	TC2PR	1243351.552942	2376097.692815	11-07-2017 10:51:47	0.000000	0.001168	0.418991	772.4	36.0	-0.118	0.005	1.793
SFTC071117_319	TC2PR	1243148.934189	2376152.465149	11-07-2017 10:56:22	0.000000	0.001861	0.228249	770.3	36.5	0	0.008	0.981
SFTC071117_320	TC2PR	1243169.471139	2376288.687314	11-07-2017 10:59:44	0.000000	0.001163	0.221982	771.1	36.8	-1.002	0.005	0.954
SFTC071117_321	TC2PR	1242968.710325	2376147.638183	11-07-2017 11:06:32	0.000000	0.002327	0.127530	772.7	37.4	0	0.01	0.548
SFTC071117_322	TC2PR	1242965.197872	2376323.341389	11-07-2017 11:10:44	0.000000	0.004419	0.175600	772.5	37.5	-0.703	0.019	0.755
SFTC071117_323	TC2PR	1242770.82301	2376198.628647	11-07-2017 11:16:23	0.000000	0.000000	0.140755	772.7	38.0	-0.552	-0.001	0.606
SFTC071117_324	TC2PR	1242736.649466	2376322.553854	11-07-2017 11:19:12	0.000000	0.001623	0.224170	771.7	38.2	-0.001	0.007	0.967
SFTC071117_325	TC2PR	1242590.241773	2376168.950156	11-07-2017 11:22:26	0.000000	0.001158	0.246946	771.9	38.5	-0.31	0.005	1.066
SFTC071117_326	TC2PR	1242569.11979	2376366.753971	11-07-2017 11:25:54	0.000000	0.000000	0.216144	773.5	38.8	-1.14	0	0.932
SFTC071117_327	TC2PR	1242586.980941	2376577.299267	11-07-2017 11:29:33	0.000000	0.002779	0.299401	772.8	39.0	-0.372	0.012	1.293
SFTC071117_328	TC2PR	1242764.058038	2376521.433149	11-07-2017 11:33:01	0.300486	0.001159	0.585205	774.3	39.2	1.296	0.005	2.524
SFTC071117_329	TC2PR	1242958.89467	2376583.642654	11-07-2017 11:36:46	0.000000	0.004172	0.307132	774.6	39.4	0	0.018	1.325
SFTC071117_330	TC2PR	1243001.099809	2376731.375401	11-07-2017 11:39:47	0.000000	0.000929	0.067106	776.2	39.5	-1.041	0.004	0.289
SFTC071117_331	TC2PR	1242726.382725	2376783.350918	11-07-2017 11:44:28	0.000000	0.001158	0.329198	775.4	39.9	0	0.005	1.421
SFTC071117_332	TC2PR	1242594.442803	2376762.11	11-07-2017 11:47:20	0.000000	0.000232	0.030816	775.5	39.9	-2.415	0.001	0.133
SFTC071117_333	TC2PR	1242536.9169	2376863.929706	11-07-2017 11:50:05	0.000000	0.003707	0.392933	775.7	40.0	-2.348	0.016	1.696

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071117_334	TC2PR	1242409.707566	2376821.005144	11-07-2017 11:53:34	0.000000	0.004397	0.245514	775.0	40.1	-0.001	0.019	1.061
SFTC071117_335	TC2PR	1242195.879988	2376824.878387	11-07-2017 12:01:13	0.000000	0.000000	0.074203	774.7	40.3	-0.647	-0.003	0.321
SFTC071117_336	TC2PR	1242225.13388	2377024.041812	11-07-2017 12:28:36	0.000000	0.000231	0.131196	773.1	39.9	-1.585	0.001	0.568
SFTC071117_337	TC2PR	1242170.119587	2377164.607659	11-07-2017 12:32:23	0.000000	0.000925	0.067315	774.0	39.8	-0.005	0.004	0.291
SFTC071117_338	TC2PR	1242163.04339	2377321.131986	11-07-2017 12:35:41	0.000000	0.002311	0.061946	773.4	39.8	-0.707	0.01	0.268
SFTC071117_339	TC2PR	1242357.374573	2377355.491607	11-07-2017 12:39:01	0.000000	0.002079	0.176006	773.1	39.9	-0.281	0.009	0.762
SFTC071117_340	TC2PR	1242359.335352	2377173.092377	11-07-2017 12:41:48	0.000000	0.004385	0.095309	772.9	40.1	-1.197	0.019	0.413
SFTC071117_341	TC2PR	1242437.322514	2377166.507529	11-07-2017 12:44:41	9.976037	0.002539	1.356435	773.5	40.3	43.223	0.011	5.877
SFTC071117_342	TC2PR	1242377.241515	2376970.968529	11-07-2017 12:47:44	5.163887	0.002306	2.444268	773.6	40.6	22.392	0.01	10.599
SFTC071117_343	TC2PR	1242516.709257	2376984.951063	11-07-2017 12:50:35	0.503072	0.001844	2.147855	773.9	40.8	2.182	0.008	9.316
SFTC071117_344	TC2PR	1242747.148885	2376965.782608	11-07-2017 12:54:10	0.000000	0.000691	0.133970	773.9	41.3	-0.001	0.003	0.582
SFTC071117_345	TC2PR	1242805.45363	2376900.927965	11-07-2017 12:57:13	7.137812	0.001379	2.061335	773.5	41.7	31.064	0.006	8.971
SFTC071117_346	TC2PR	1242949.318753	2376900.45682	11-07-2017 13:00:53	0.000000	0.000230	0.076928	774.0	42.1	-0.071	0.001	0.335
SFTC071117_347	TC2PR	1242837.026085	2376995.494116	11-07-2017 13:04:16	6.701621	0.000229	1.418342	772.8	42.4	29.257	0.001	6.192
SFTC071117_348	TC2PR	1242877.215683	2377066.37735	11-07-2017 13:07:39	99.837950	0.005724	2.070388	773.0	42.6	436.022	0.025	9.042
SFTC071117_349	TC2PR	1243026.73111	2377071.292259	11-07-2017 13:11:03	0.000000	0.001371	0.050510	772.3	42.9	-0.191	0.006	0.221
SFTC071117_350	TC2PR	1243084.812963	2377175.16149	11-07-2017 13:14:47	0.000000	0.000456	0.061986	770.8	43.2	-0.51	0.002	0.272
SFTC071117_351	TC2PR	1243079.815967	2377225.077627	11-07-2017 13:17:02	0.000000	0.000000	0.000227	769.5	43.4	-1.08	-0.002	0.001
SFTC071117_352	TC2PR	1243010.047584	2377246.867806	11-07-2017 13:19:27	0.000000	0.000000	0.341251	769.7	43.5	-0.877	-0.001	1.501
SFTC071117_353	TC2PR	1243014.956964	2377190.891173	11-07-2017 13:21:41	0.000000	0.000682	0.094136	770.3	43.7	-1.007	0.003	0.414
SFTC071117_354	TC2PR	1242939.607069	2377250.791316	11-07-2017 13:24:45	0.000000	0.002273	0.253632	770.4	43.9	0	0.01	1.116
SFTC071117_355	TC2PR	1242909.895086	2377171.105296	11-07-2017 13:28:24	116.643400	0.000454	0.274247	770.7	44.1	513.364	0.002	1.207
SFTC071117_356	TC2PR	1242830.062581	2377215.100595	11-07-2017 13:34:15	0.000000	0.032240	0.399146	771.1	44.5	-2.69	0.142	1.758
SFTC071117_357	TC2PR	1242823.604554	2377358.328648	11-07-2017 13:37:40	0.000000	0.002268	0.291397	770.4	44.6	-1.125	0.01	1.285
SFTC071117_358	TC2PR	1242939.542653	2377376.409122	11-07-2017 13:40:49	0.000000	0.000227	0.093546	769.5	44.6	-0.644	0.001	0.413
SFTC071117_359	TC2PR	1243034.396031	2377371.809035	11-07-2017 13:43:26	0.302719	0.000678	0.663767	768.3	44.7	1.339	0.003	2.936

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071117_360	TC2PR	1243173.667604	2377348.655732	11-07-2017 13:46:38	0.000000	0.000904	0.078636	768.4	44.9	0	0.004	0.348
SFTC071117_361	TC2PR	1243177.846106	2377519.380116	11-07-2017 13:50:59	0.000000	0.000902	0.110911	767.3	45.2	-0.001	0.004	0.492
SFTC071117_362	TC2PR	1243016.792442	2377557.683208	11-07-2017 13:54:38	0.000000	0.001124	0.146601	765.8	45.4	-0.431	0.005	0.652
SFTC071117_363	TC2PR	1242951.63296	2377770.929002	11-07-2017 13:59:55	0.000000	0.004044	0.136365	766.1	45.8	0	0.018	0.607
SFTC071117_364	TC2PR	1242934.745121	2377894.337521	11-07-2017 14:03:46	0.000000	0.000000	0.102060	765.4	46.0	-0.983	0	0.455
SFTC071117_365	TC2PR	1243251.700476	2377806.957442	11-07-2017 14:11:23	0.000000	0.002015	0.444744	765.1	46.4	0	0.009	1.986
SFTC071117_366	TC2PR	1243156.786881	2377985.657487	11-07-2017 14:16:00	0.000000	0.001560	0.137050	761.6	46.5	-0.638	0.007	0.615
SFTC071117_367	TC2PR	1242977.513318	2378092.2136	11-07-2017 14:20:28	0.000000	0.000223	0.291673	762.1	46.5	-1.818	0.001	1.308
SFTC071117_368	TC2PR	1242822.240286	2377987.36294	11-07-2017 14:24:16	0.000000	0.004916	0.191291	763.5	46.4	-0.65	0.022	0.856
SFTC071117_369	TC2PR	1242809.877876	2377798.895382	11-07-2017 14:27:33	0.000000	0.002689	0.269610	765.7	46.4	-2.371	0.012	1.203
SFTC071117_370	TC2PR	1242794.849869	2377636.838298	11-07-2017 14:31:04	0.000000	0.000673	0.266217	766.9	46.4	-1.267	0.003	1.186
SFTC071117_371	TC2PR	1242764.629642	2377165.322681	11-07-2017 14:36:37	0.000000	0.001123	0.410731	767.9	46.5	-0.58	0.005	1.828
SFTC071117_372	TC2PR	1242559.870466	2377134.916442	11-07-2017 14:39:27	5.274589	0.000000	1.478509	771.1	46.6	23.385	0	6.555
SFTC071217_373	TC2PR	1242554.23914	2377328.41642	12-07-2017 09:35:20	61.303420	0.004096	12.475430	773.8	27.2	254.409	0.017	51.773
SFTC071217_374	TC2PR	1242586.580931	2377390.629585	12-07-2017 09:38:20	103.342900	0.004806	3.418367	773.8	28.0	430.015	0.02	14.224
SFTC071217_375	TC2PR	1242540.224212	2377579.997301	12-07-2017 09:42:34	7.474623	0.010292	2.898607	773.5	29.1	31.228	0.043	12.11
SFTC071217_376	TC2PR	1242505.146872	2377637.803381	12-07-2017 09:45:10	117.400400	0.005253	2.722962	773.4	29.8	491.683	0.022	11.404
SFTC071217_377	TC2PR	1242548.037607	2377654.636295	12-07-2017 09:47:38	98.947590	0.006428	4.207436	772.7	30.4	415.598	0.027	17.672
SFTC071217_378	TC2PR	1242586.540897	2377692.542339	12-07-2017 09:49:49	18.055420	0.003804	6.408181	772.7	30.8	75.936	0.016	26.951
SFTC071217_379	TC2PR	1242529.390255	2377772.725823	12-07-2017 09:52:37	0.000000	0.007828	2.395594	772.4	31.4	-1.436	0.033	10.099
SFTC071217_380	TC2PR	1242561.398979	2377914.347055	12-07-2017 09:56:09	0.000000	0.005446	0.636022	772.3	31.9	-0.212	0.023	2.686
SFTC071217_381	TC2PR	1242443.903774	2377804.053458	12-07-2017 09:59:40	0.000000	0.003071	0.308801	771.6	32.3	-0.848	0.013	1.307
SFTC071217_382	TC2PR	1242448.894262	2377724.592329	12-07-2017 10:02:44	0.460310	0.002603	4.833138	773.4	32.5	1.945	0.011	20.422
SFTC071217_383	TC2PR	1242371.712919	2377617.999201	12-07-2017 10:05:50	0.000000	0.001893	0.541745	773.6	32.7	-0.13	0.008	2.29
SFTC071217_384	TC2PR	1242183.219963	2377565.857155	12-07-2017 10:09:52	0.000000	0.004966	0.678167	774.0	33.0	-0.913	0.021	2.868
SFTC071217_385	TC2PR	1242145.041167	2377704.093078	12-07-2017 10:14:05	0.000000	0.004728	0.535880	774.0	33.1	-1.474	0.02	2.267

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC071217_386	TC2PR	1242144.61942	2377967.82615	12-07-2017 10:19:48	0.000000	0.001888	0.434297	773.1	33.2	-0.505	0.008	1.84
SFTC071217_387	TC2PR	1242393.132188	2378013.033555	12-07-2017 10:24:46	0.000000	0.002358	0.851955	772.1	33.1	-0.49	0.01	3.613
SFTC071217_388	TC2PR	1242594.468021	2378169.515355	12-07-2017 10:37:23	0.000000	0.006370	0.374628	771.7	32.8	-0.827	0.027	1.588
SFTC071217_389	TC2PR	1242752.711183	2378212.171644	12-07-2017 10:41:43	0.000000	0.005660	0.301851	770.9	32.6	-0.746	0.024	1.28
SFTC071217_390	TC2PR	1242798.266541	2378389.550307	12-07-2017 10:47:19	0.000000	0.002825	0.813494	769.7	32.6	0	0.012	3.455
SFTC071217_391	TC2PR	1242638.578367	2378412.232315	12-07-2017 10:51:54	0.000000	0.003988	2.548264	767.1	32.7	-0.571	0.017	10.863
SFTC071217_392	TC2PR	1242418.335981	2378360.757072	12-07-2017 10:59:54	0.000000	0.000000	1.604010	768.1	33.2	0	-0.011	6.84
SFTC071217_393	TC2PR	1242407.326657	2378237.159593	12-07-2017 11:02:53	0.000000	0.002111	1.632785	768.9	33.4	0	0.009	6.96
SFTC071217_394	TC2PR	1242169.866676	2378177.073084	12-07-2017 11:08:18	0.000000	0.005861	0.103154	769.9	34.0	0	0.025	0.44
SFTC071217_395	TC2PR	1242127.189953	2378334.631983	12-07-2017 11:14:02	0.000000	0.004220	0.575047	770.6	34.3	0	0.018	2.453
SFTC071217_396	TC2PR	1242116.840255	2378586.993705	12-07-2017 11:18:43	0.000000	0.006329	0.312255	771.1	34.5	0	0.027	1.332
SFTC071217_397	TC2PR	1242113.720706	2378717.83698	12-07-2017 11:21:57	0.000000	0.003039	0.923051	769.3	34.6	-2.105	0.013	3.948
SFTC071217_398	TC2PR	1242370.1554	2378791.003842	12-07-2017 11:27:54	0.000000	0.011196	0.288071	768.5	35.0	-0.551	0.048	1.235
SFTC071217_399	TC2PR	1242396.149008	2378526.051498	12-07-2017 11:35:33	0.000000	0.006036	0.659035	766.3	35.6	-0.001	0.026	2.839
SFTC071217_400	TC2PR	1242561.564035	2378774.384997	12-07-2017 11:46:23	0.000000	0.000000	0.631982	766.0	35.2	-0.002	-0.019	2.72
PineRiver071317_01	TC2PR	1240323.41412	2381740.24813	13-07-2017 08:28:50	0.000000	0.004882	0.166246	779.5	25.5	-1.119	0.02	0.681
PineRiver071317_02	TC2PR	1240339.49675	2381584.36682	13-07-2017 08:31:44	0.000000	0.002194	0.303783	779.8	26.0	-1.45	0.009	1.246
PineRiver071317_03	TC2PR	1240382.27678	2381384.47653	13-07-2017 08:35:30	0.000000	0.002187	0.187344	779.0	26.7	-2.649	0.009	0.771
PineRiver071317_04	TC2PR	1240448.85371	2381205.94808	13-07-2017 08:38:22	0.000000	0.000967	0.241875	777.5	27.5	0	0.004	1
PineRiver071317_05	TC2PR	1240771.67203	2381172.57564	13-07-2017 08:42:48	0.000000	0.000000	0.107824	777.0	28.8	-0.568	-0.001	0.448
PineRiver071317_06	TC2PR	1241121.94374	2380914.10932	13-07-2017 08:49:19	0.000000	0.002628	0.301031	775.9	30.6	0	0.011	1.26
PineRiver071317_07	TC2PR	1241177.14152	2380754.952	13-07-2017 08:53:17	0.119341	0.002615		774.6	31.6	0.502	0.011	
PineRiver071317_08	TC2PR	1241180.20256	2380586.89336	13-07-2017 08:56:51	0.000000	0.002603	0.062720	773.2	32.4	0	0.011	0.265
PineRiver071317_09	TC2PR	1241161.81241	2380476.69485	13-07-2017 09:00:02	0.000000		0.383985	774.2	33.1	-0.001		1.624
PineRiver071317_10	TC2PR	1241328.48757	2380354.01684	13-07-2017 09:05:36	0.000000	0.001178	0.252138	774.6	34.3	-0.526	0.005	1.07
PineRiver071317_11	TC2PR	1241304.69545	2380109.42505	13-07-2017 09:10:24	0.000000	0.003053	0.045091	774.0	35.1	0	0.013	0.192

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver071317_12	TC2PR	1241366.63385	2379972.86022	13-07-2017 09:13:56	0.000000	0.001642	0.223272	774.2	35.6	-0.001	0.007	0.952
PineRiver071317_13	TC2PR	1241536.72073	2379774.94538	13-07-2017 09:18:30	0.000000	0.005386	0.208889	774.8	36.3	0	0.023	0.892
PineRiver071317_14	TC2PR	1241682.49987	2379740.0281	13-07-2017 09:22:04	0.000000	0.002805	0.276535	774.4	36.7	0	0.012	1.183
PineRiver071317_15	TC2PR	1241958.82321	2379492.43452	13-07-2017 09:29:52	0.000000	0.000698	0.175703	773.2	37.6	-0.453	0.003	0.755
PineRiver071317_16	TC2PR	1241971.26953	2379180.5087	13-07-2017 09:35:41	0.000000	0.001625	0.129042	772.1	38.0	-1.48	0.007	0.556
PineRiver071317_17	TC2PR	1242020.67066	2378963.10813	13-07-2017 09:40:31	0.000000	0.006026	0.290395	771.5	38.2	0	0.026	1.253
PineRiver071317_18	TC2PR	1242192.32394	2378994.52612	13-07-2017 09:45:10	0.000000	0.001618	0.798745	770.6	38.7	0	0.007	3.456
PineRiver071317_19	TC2PR	1242364.01623	2378938.01522	13-07-2017 09:50:29	0.000000	0.002303	0.094211	769.5	39.3	-0.061	0.01	0.409
PineRiver071317_20	TC2PR	1242370.09782	2378803.86147	13-07-2017 09:53:12	0.000000	0.002987	0.258713	767.8	39.4	-0.224	0.013	1.126
PineRiver071317_21	TC2PR	1242718.91315	2378883.17759	13-07-2017 10:17:20	0.000000	0.000000	0.445860	766.8	41.0	-1.908	-0.002	1.953
PineRiver071317_22	TC2PR	1242558.84028	2378946.27057	13-07-2017 10:21:59	0.000000	0.001368	0.224125	766.3	41.2	-0.863	0.006	0.983
PineRiver071317_23	TC2PR	1242629.61426	2379201.26183	13-07-2017 10:27:09	0.000000	0.003654	0.272218	767.3	41.1	-0.911	0.016	1.192
PineRiver071317_24	TC2PR	1242767.62258	2379224.85616	13-07-2017 10:31:26	0.000000	0.006609	0.269615	765.5	41.0	-0.355	0.029	1.183
PineRiver071317_25	TC2PR	1242758.10562	2379347.56178	13-07-2017 10:35:55	0.000000	0.006823	0.473775	764.2	41.1	-0.861	0.03	2.083
PineRiver071317_26	TC2PR	1242715.99216	2379561.21405	13-07-2017 10:41:07	0.000000	0.006136	0.242710	763.8	41.2	0	0.027	1.068
PineRiver071317_27	TC2PR	1242632.03691	2379395.7619	13-07-2017 10:46:44	0.000000	0.000000	0.221005	763.1	41.4	-1.855	-0.003	0.974
PineRiver071317_28	TC2PR	1242570.04622	2379611.42042	13-07-2017 10:54:34	0.000000	0.000682	0.261761	764.9	41.7	0	0.003	1.152
PineRiver071317_29	TC2PR	1242556.61965	2379756.29206	13-07-2017 11:00:42	0.000000	0.001819	0.265530	764.8	41.5	0	0.008	1.168
PineRiver071317_30	TC2PR	1242408.2345	2380054.36433	13-07-2017 11:11:12	0.000000	0.000682	0.482602	764.5	41.4	0	0.003	2.123
PineRiver071317_31	TC2PR	1242302.29032	2379702.75577	13-07-2017 11:20:47	0.000000	0.000000	0.568672	765.8	41.1	0	-0.001	2.495
PineRiver071317_32	TC2PR	1242333.52071	2379578.91687	13-07-2017 11:24:33	0.000000	0.005256	0.440840	767.6	41.0	0	0.023	1.929
PineRiver071317_33	TC2PR	1242345.94547	2379364.10808	13-07-2017 11:29:29	0.000000	0.001600	0.179193	767.7	41.0	0	0.007	0.784
PineRiver071317_34	TC2PR	1242405.76986	2379128.34994	13-07-2017 11:33:05	0.000000	0.000229	0.211495	768.8	41.0	0	0.001	0.924
PineRiver071317_35	TC2PR	1242190.28578	2379133.9947	13-07-2017 11:55:32	0.000000	0.000000	0.237437	768.8	41.2	0	-0.01	1.038
PineRiver071317_36	TC2PR	1242218.76901	2379331.34857	13-07-2017 12:00:47	0.000000	0.000000	0.000000	770.8	40.9	0	-0.01	-0.051
PineRiver071317_37	TC2PR	1242148.5898	2379595.95348	13-07-2017 12:06:50	0.000000	0.000000	0.234274	769.7	40.9	0	0	1.022

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver071317_38	TC2PR	1242133.51577	2379729.61473	13-07-2017 12:10:19	0.000000	0.000000	0.026127	769.3	40.8	0	-0.012	0.114
PineRiver071317_39	TC2PR	1242116.99201	2379846.08614	13-07-2017 12:14:28	0.000000	0.000000	0.000000	769.3	41.0	0	-0.021	-2.912
PineRiver071317_40	TC2PR	1241972.91156	2379742.96441	13-07-2017 12:19:28	0.000000	0.000000	1.504410	770.3	41.2	0	-0.004	6.564
PineRiver071317_41	TC2PR	1242010.75438	2379930.08356	13-07-2017 12:24:56	0.000000	0.000000	0.000000	771.2	41.2	0	-0.017	-17.552
PineRiver071317_42	TC2PR	1241943.22248	2380184.25172	13-07-2017 12:32:15	0.000000	0.000000	0.248913	769.6	40.9	-1.536	-0.002	1.086
PineRiver071317_43	TC2PR	1241936.75051	2380324.43837	13-07-2017 12:36:13	0.000000	0.000000	0.371200	768.4	40.5	0	-0.006	1.62
PineRiver071317_44	TC2PR	1241971.64774	2380547.09202	13-07-2017 12:40:57	0.000000	0.000000	0.346629	768.3	40.3	0	-0.004	1.512
PineRiver071317_45	TC2PR	1241960.59942	2380770.20246	13-07-2017 12:45:09	0.000000	0.000000	0.322465	766.5	40.1	0	0	1.409
PineRiver071317_46	TC2PR	1241866.69072	2380811.75921	13-07-2017 12:49:48	0.000000	0.000000	0.239776	765.3	40.0	0	-0.019	1.049
PineRiver071317_47	TC2PR	1241733.82081	2380964.11005	13-07-2017 12:53:15	0.000000	0.000000	0.123798	766.4	40.1	0	0	0.541
PineRiver071317_48	TC2PR	1241612.80787	2380893.70734	13-07-2017 12:57:14	0.000000	0.000000	0.000000	767.3	40.2	0	-0.007	-0.228
PineRiver071317_49	TC2PR	1241765.64948	2380563.85703	13-07-2017 13:03:00	0.000000	0.000000	0.281865	769.1	40.5	0	-0.038	1.229
PineRiver071317_50	TC2PR	1241709.53994	2380358.10266	13-07-2017 13:08:37	0.000000	0.000000	0.265716	768.9	40.8	0	-0.014	1.16
PineRiver071317_51	TC2PR	1241628.74929	2380336.70855	13-07-2017 13:13:42	0.000000	0.000000	0.372722	769.7	41.1	0	-0.004	1.627
PineRiver071317_52	TC2PR	1241565.77163	2380295.98661	13-07-2017 13:17:16	0.000000	0.000000	0.421950	771.4	41.3	0	-0.01	1.839
PineRiver071317_53	TC2PR	1241536.98694	2380186.58859	13-07-2017 13:21:26	0.000000	0.000000	0.348376	771.8	41.6	0	-0.04	1.519
PineRiver071317_54	TC2PR	1241644.80634	2380139.13925	13-07-2017 13:24:15	0.000000	0.000000	0.158478	771.8	41.6	0	-0.045	0.691
PineRiver071317_55	TC2PR	1241823.22165	2380002.16616	13-07-2017 13:28:17	0.000000	0.000000	0.323043	770.7	41.7	-0.365	-0.021	1.411
PineRiver071317_56	TC2PR	1241578.03363	2379971.57334	13-07-2017 13:33:33	0.000000	0.000000	0.195421	770.8	41.9	-0.012	-0.006	0.854
PineRiver071317_57	TC2PR	1241524.59961	2380610.66574	13-07-2017 13:45:17	0.000000	0.000000	0.000000	772.7	42.5	0	-0.005	-0.901
PineRiver071317_58	TC2PR	1241514.43755	2380685.54314	13-07-2017 13:48:37	0.000000	0.000000	0.450098	769.9	42.5	0	-0.003	1.973
PineRiver071317_59	TC2PR	1241328.91772	2380551.56802	13-07-2017 13:55:17	0.000000	0.000000	0.139446	769.7	42.8	0	-0.031	0.612
PineRiver071317_60	TC2PR	1241325.85331	2380699.79134	13-07-2017 13:58:45	0.000000	0.000000	0.159050	772.2	42.9	0	-0.058	0.696
PineRiver071317_61	TC2PR	1241379.30034	2380993.01605	13-07-2017 14:04:50	0.000000	0.000000	0.343300	771.8	43.1	0	-0.026	1.504
PineRiver071317_62	TC2PR	1241367.79359	2381155.30812	13-07-2017 14:08:46	0.000000	0.000000	0.391158	771.2	43.1	0	-0.041	1.715
PineRiver071317_63	TC2PR	1241405.02779	2381359.61708	13-07-2017 14:12:54	0.000000	0.000000	0.107674	771.1	43.0	0	-0.053	0.472

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver071317_64	TC2PR	1241333.92256	2381487.34843	13-07-2017 14:16:12	0.000000	0.000000	0.220763	772.0	42.8	0	-0.054	0.966
PineRiver071317_65	TC2PR	1241260.59177	2381404.05342	13-07-2017 14:18:50	0.000000	0.000000	0.119209	771.2	42.7	0	-0.004	0.522
PineRiver071317_66	TC2PR	1241202.05804	2381521.51851	13-07-2017 14:21:35	0.000000	0.000000	0.296611	771.2	42.5	0	-0.029	1.298
PineRiver071317_67	TC2PR	1241160.7762	2381415.64496	13-07-2017 14:24:09	0.000000	0.000000	0.231082	771.9	42.4	0	-0.023	1.01
PineRiver071317_68	TC2PR	1241162.49843	2381235.12657	13-07-2017 14:28:24	0.000000	0.000000	0.540563	772.2	42.3	0	-0.018	2.361
PineRiver071317_69	TC2PR	1240990.34071	2381173.82569	13-07-2017 14:32:54	0.000000	0.000000	0.377580	773.9	42.2	-0.235	-0.007	1.645
SFTC071317_401	TC2PR	1242586.12454	2378585.04435	13-07-2017 10:01:29	0.000000	0.000688	0.266985	768.2	40.1	-1.182	0.003	1.164
SFTC071317_402	TC2PR	1242736.44953	2378567.56352	13-07-2017 10:05:24	0.000000	0.003672	0.246456	768.8	40.2	0	0.016	1.074
SFTC071317_403	TC2PR	1242795.94749	2378750.63327	13-07-2017 10:10:33	0.000000	0.005039	0.203393	768.1	40.5	-0.001	0.022	0.888
PineRiver071417_100	TC2PR	1239972.4191	2383610.41746	14-07-2017 10:36:04	0.000000	0.000000	0.186927	776.8	40.9	0	-0.008	0.808
PineRiver071417_101	TC2PR	1239796.58434	2383974.18122	14-07-2017 10:45:58	0.000000	0.000000	0.134262	781.7	41.6	0	-0.001	0.578
PineRiver071417_102	TC2PR	1239721.17926	2384041.88189	14-07-2017 10:48:45	609.227600	0.000000	4.198076	781.7	41.9	2625.233	-0.014	18.09
PineRiver071417_103	TC2PR	1239653.25729	2383992.93138	14-07-2017 10:53:00	3.900156	0.000000	1.090135	781.2	42.2	16.833	0	4.705
PineRiver071417_104	TC2PR	1239578.71468	2383944.893	14-07-2017 10:55:55	0.000000	0.000000	0.061028	779.9	42.4	0	-0.043	0.264
PineRiver071417_105	TC2PR	1239607.99519	2383748.96727	14-07-2017 10:58:52	0.000000	0.000000	0.140939	780.0	42.6	-0.753	-0.035	0.61
PineRiver071417_106	TC2PR	1239696.90904	2383746.87371	14-07-2017 11:01:29	0.000000	0.000000	0.169251	780.0	42.8	0	-0.003	0.733
PineRiver071417_107	TC2PR	1239677.7353	2383917.31365	14-07-2017 11:06:08	1.047334	0.000000	0.521706	780.1	43.2	4.541	-0.017	2.262
PineRiver071417_108	TC2PR	1239531.19047	2384149.21853	14-07-2017 11:12:49	0.000000	0.000000	0.140494	780.0	43.6	0	-0.008	0.61
PineRiver071417_109	TC2PR	1239572.10118	2384160.90199	14-07-2017 11:15:53	0.000000	0.000000	0.719147	780.1	43.6	0	0	3.122
PineRiver071417_110	TC2PR	1239608.20477	2384208.02446	14-07-2017 11:19:41	0.000000	0.000000	0.799005	780.5	43.7	0	-0.014	3.468
PineRiver071417_111	TC2PR	1239768.93811	2384171.15727	14-07-2017 11:24:25	0.000000	0.000000	0.423508	781.5	43.9	0	0	1.837
PineRiver071417_112	TC2PR	1239694.83929	2384285.24692	14-07-2017 11:27:54	0.000000	0.000000	0.343224	783.2	44.0	0	-0.033	1.486
PineRiver071417_113	TC2PR	1239627.7409	2384339.06574	14-07-2017 11:30:57	0.000000	0.000000	0.277985	782.5	44.1	0	-0.042	1.205
PineRiver071417_114	TC2PR	1239566.51337	2384552.85688	14-07-2017 11:36:20	0.000000	0.000000	0.396569	782.8	44.4	0	-0.01	1.72
PineRiver071417_115	TC2PR	1239493.00347	2384758.08728	14-07-2017 11:40:58	0.000000	0.000000	0.133437	782.7	44.5	0	-0.035	0.579
PineRiver071417_116	TC2PR	1239531.43382	2384973.13208	14-07-2017 11:45:01	0.000000	0.000000	0.147853	782.4	44.6	0	-0.022	0.642

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver071417_117	TC2PR	1239394.83872	2384962.52367	14-07-2017 11:49:02	0.000000	0.000000	0.087167	781.6	44.7	0	-0.026	0.379
PineRiver071417_118	TC2PR	1239320.03689	2384754.16139	14-07-2017 11:54:04	0.000000	0.000000	0.192870	782.4	44.8	0	-0.026	0.838
PineRiver071417_119	TC2PR	1239313.80535	2384664.03474	14-07-2017 11:57:46	0.000000	0.000000	3.230780	784.4	44.9	0	-0.04	14.006
PineRiver071417_120	TC2PR	1239357.64166	2384550.87543	14-07-2017 12:01:04	0.000000	0.000000	0.342658	783.6	44.9	0	-0.025	1.487
PineRiver071417_121	TC2PR	1239284.94449	2384556.66427	14-07-2017 12:04:53	1.861750	0.000000	2.050780	782.7	44.8	8.086	-0.01	8.907
PineRiver071417_122	TC2PR	1239173.15666	2384692.80044	14-07-2017 12:09:23	0.701295	0.000000	0.673464	781.9	44.8	3.049	-0.043	2.928
PineRiver071417_123	TC2PR	1239131.92098	2384798.86422	14-07-2017 12:12:51	0.000000	0.000000	0.142605	781.9	44.8	-0.093	-0.031	0.62
PineRiver071417_124	TC2PR	1239236.71841	2385002.28626	14-07-2017 12:22:48	0.000000	0.000000	0.632570	784.2	44.9	0	-0.007	2.743
PineRiver071417_125	TC2PR	1239113.37229	2385018.26992	14-07-2017 12:23:01	0.000000	0.000000	0.632570	784.2	44.9	0	-0.007	2.743
PineRiver071417_126	TC2PR	1239001.38014	2384997.39221	14-07-2017 12:25:32	0.000000	0.000000	0.459696	784.2	45.0	0	-0.051	1.994
PineRiver071417_127	TC2PR	1238896.52268	2384979.53798	14-07-2017 12:30:01	0.000000	0.000000	1.048543	785.0	45.1	0	-0.014	4.545
PineRiver071417_128	TC2PR	1238984.689	2384795.19893	14-07-2017 12:34:20	0.000000	0.000000	0.487066	783.6	45.1	0	-0.015	2.115
PineRiver071417_129	TC2PR	1238997.53155	2384585.11186	14-07-2017 12:47:17	0.000000	0.000000	0.463114	781.9	45.2	0	-0.014	2.016
PineRiver071417_130	TC2PR	1239181.76894	2384539.76071	14-07-2017 12:52:48	0.000000	0.000000	0.292114	779.7	45.4	0	0	1.276
PineRiver071417_131	TC2PR	1239201.06248	2384398.96004	14-07-2017 12:57:52	0.000000	0.000000	0.265833	779.9	45.7	-0.161	-0.007	1.162
PineRiver071417_132	TC2PR	1239331.30235	2384404.28273	14-07-2017 13:03:29	0.000000	0.000000	0.331455	780.5	46.2	0	-0.043	1.45
PineRiver071417_133	TC2PR	1239399.28869	2384288.09315	14-07-2017 13:07:02	0.000000	0.000000	0.421713	780.5	46.4	0	-0.009	1.846
PineRiver071417_134	TC2PR	1239685.67238	2383526.55908	14-07-2017 13:15:38	0.000000	0.000000	0.260024	780.9	46.5	0	-0.003	1.138
PineRiver071417_135	TC2PR	1239817.81778	2383359.69617	14-07-2017 13:19:52	0.000000	0.000000	0.233996	779.2	46.4	0	-0.036	1.026
PineRiver071417_136	TC2PR	1239765.53167	2383244.00899	14-07-2017 13:23:18	0.000000	0.000000	0.265678	778.9	46.3	0	-0.017	1.165
PineRiver071417_137	TC2PR	1239910.18816	2383376.16394	14-07-2017 13:27:50	0.000000	0.000000	0.046480	778.2	46.3	0	-0.02	0.204
PineRiver071417_138	TC2PR	1239968.91183	2383219.59848	14-07-2017 13:31:43	0.000000	0.000000	0.000000	777.7	46.4	0	-0.036	-0.664
PineRiver071417_139	TC2PR	1239974.13906	2382986.22579	14-07-2017 13:36:21	0.000000	0.000000	0.200879	777.1	46.7	0	-0.026	0.884
PineRiver071417_140	TC2PR	1239986.52803	2382801.2928	14-07-2017 13:39:45	0.000000	0.000000	0.033616	777.0	46.8	0	-0.049	0.148
PineRiver071417_141	TC2PR	1240118.74508	2382756.15661	14-07-2017 13:42:55	0.000000	0.000000	0.000000	777.7	46.9	0	-0.042	-0.971
PineRiver071417_142	TC2PR	1240167.37095	2382976.44839	14-07-2017 13:46:42	0.000000	0.000000	0.094377	776.8	47.1	0	-0.037	0.416

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver071417_143	TC2PR	1240310.40574	2382947.89746	14-07-2017 13:50:34	0.000000	0.000000	0.000000	776.4	47.2	0	-0.026	-2.554
PineRiver071417_144	TC2PR	1240353.54773	2382821.29306	14-07-2017 13:53:51	0.000000	0.000000	0.223263	775.8	47.3	0	-0.013	0.986
PineRiver071417_145	TC2PR	1240335.90838	2382631.32559	14-07-2017 13:57:48	0.000000	0.000000	0.106554	775.1	47.3	0	-0.032	0.471
PineRiver071417_146	TC2PR	1240227.33283	2382578.55325	14-07-2017 14:01:26	0.000000	0.000000	0.062349	776.8	47.3	0	-0.042	0.275
PineRiver071417_147	TC2PR	1240164.98151	2382383.42648	14-07-2017 14:04:59	0.000000	0.000000	0.089387	777.3	47.3	0	-0.042	0.394
PineRiver071417_148	TC2PR	1240279.28388	2382393.3676	14-07-2017 14:08:18	0.000000	0.000000	0.189419	778.4	47.4	0	-0.028	0.834
PineRiver071417_149	TC2PR	1240423.42934	2382215.95584	14-07-2017 14:16:53	0.000000	0.000000	0.000000	778.2	47.7	-1.377	0	-0.917
PineRiver071417_150	TC2PR	1240423.86017	2382011.99596	14-07-2017 14:21:40	0.000000	0.000000	0.324266	776.8	47.7	0	-0.013	1.432
PineRiver071417_70	TC2PR	1240511.61912	2381635.18523	14-07-2017 08:30:53	0.000000	0.000000	0.214596	780.7	25.6	0	-0.009	0.878
PineRiver071417_71	TC2PR	1240621.62792	2381566.37974	14-07-2017 08:34:18	0.000000	0.000000	1.103300	780.9	26.6	0	-0.004	4.528
PineRiver071417_72	TC2PR	1240575.71117	2381384.89573	14-07-2017 08:38:00	0.000000	0.000000	0.075692	780.1	27.6	0	-0.004	0.312
PineRiver071417_73	TC2PR	1240745.45628	2381364.72796	14-07-2017 08:42:13	0.000000	0.000000	0.213456	779.8	28.9	0	-0.002	0.884
PineRiver071417_74	TC2PR	1240938.85249	2381380.17376	14-07-2017 08:47:53	0.000000	0.000000	0.244801	777.9	30.3	-0.114	-0.006	1.021
PineRiver071417_75	TC2PR	1240935.69871	2381605.30075	14-07-2017 08:51:45	0.000000	0.000000	0.413058	777.9	31.4	0	-0.006	1.729
PineRiver071417_76	TC2PR	1240951.28668	2381759.5186	14-07-2017 08:56:49	0.000000	0.000000	0.169790	777.7	32.3	0	-0.002	0.713
PineRiver071417_77	TC2PR	1240941.51768	2381921.43387	14-07-2017 09:00:01	0.000000	0.000000	0.000000	778.6	32.8	0	-0.003	-0.282
PineRiver071417_78	TC2PR	1240781.6376	2381920.2135	14-07-2017 09:03:51	0.000000	0.000000	0.121883	778.2	33.2	0	-0.004	0.513
PineRiver071417_79	TC2PR	1240777.07825	2381759.4795	14-07-2017 09:07:22	9.254027	0.000000	1.803862	778.9	33.5	38.953	-0.001	7.593
PineRiver071417_80	TC2PR	1240724.36158	2381741.49223	14-07-2017 09:09:54	2.882781	0.003328	1.733092	779.7	33.6	12.126	0.014	7.29
PineRiver071417_81	TC2PR	1240789.43656	2381594.02913	14-07-2017 09:13:48	18.414000	0.000000	1.190199	780.0	34.0	77.527	0	5.011
PineRiver071417_82	TC2PR	1240595.81754	2381776.11275	14-07-2017 09:18:07	0.000000	0.000000	0.200785	780.0	34.6	-2.509	-0.005	0.847
PineRiver071417_83	TC2PR	1240548.24313	2381959.67903	14-07-2017 09:21:58	0.000000	0.000000	0.136900	780.6	35.1	0	-0.005	0.578
PineRiver071417_84	TC2PR	1240550.78789	2382148.19436	14-07-2017 09:27:13	0.000000	0.000000	0.000000	779.1	35.7	0	-0.001	-0.014
PineRiver071417_85	TC2PR	1240741.25288	2382170.42922	14-07-2017 09:30:48	0.000000	0.000000	0.069338	776.9	36.0	0	-0.01	0.295
PineRiver071417_86	TC2PR	1240771.69933	2382269.53676	14-07-2017 09:33:52	0.000000	0.000000	0.108201	776.3	36.2	0	-0.014	0.461
PineRiver071417_87	TC2PR	1240621.33682	2382380.93789	14-07-2017 09:38:21	0.000000	0.000000	0.139328	776.0	36.8	0	-0.003	0.595

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver071417_88	TC2PR	1240581.9572	2382512.08638	14-07-2017 09:43:22	0.000000	0.000000	0.695032	777.8	37.4	0	-0.003	2.967
PineRiver071417_89	TC2PR	1240521.77316	2382768.53435	14-07-2017 09:48:29	0.000000	0.000000	0.000000	777.5	37.8	0	-0.009	-0.479
PineRiver071417_90	TC2PR	1240605.03523	2382915.93569	14-07-2017 09:52:03	0.000000	0.000000	0.185078	775.2	37.9	0	-0.009	0.794
PineRiver071417_91	TC2PR	1240710.78649	2382809.50073	14-07-2017 09:55:26	0.000000	0.000000	0.136185	774.2	37.9	0	-0.009	0.585
PineRiver071417_92	TC2PR	1240725.05009	2382956.75978	14-07-2017 09:59:27	0.000000	0.001397	0.093841	774.9	38.1	0	0.006	0.403
PineRiver071417_93	TC2PR	1240678.54455	2383103.81275	14-07-2017 10:02:48	0.000000	0.000000	0.094547	773.8	38.4	0	-0.009	0.407
PineRiver071417_94	TC2PR	1240583.8206	2383082.51005	14-07-2017 10:06:36	0.000000	0.000000	0.106080	774.2	38.8	0	-0.004	0.457
PineRiver071417_95	TC2PR	1240408.06048	2383059.02015	14-07-2017 10:11:23	0.000000	0.000000	0.314844	775.4	39.2	-0.012	-0.007	1.356
PineRiver071417_96	TC2PR	1240330.81865	2383312.25783	14-07-2017 10:17:25	0.000000	0.000000	0.125205	776.5	39.5	-0.768	-0.007	0.539
PineRiver071417_97	TC2PR	1240168.26345	2383180.1558	14-07-2017 10:22:55	0.000000	0.000000	0.232607	775.2	39.8	-4.478	-0.019	1.004
PineRiver071417_98	TC2PR	1240166.60801	2383334.21708	14-07-2017 10:26:46	0.000000	0.000000	0.000000	777.0	40.0	0	-0.006	-0.288
PineRiver071417_99	TC2PR	1240206.15365	2383450.47765	14-07-2017 10:30:39	0.000000	0.000000	0.156034	777.0	40.3	0	-0.001	0.673
PineRiver071717_151	TC2PR	1237986.51501	2387570.36699	17-07-2017 09:27:51	0.000000	0.001969	0.517785	788.7	26.6	-1.287	0.008	2.104
PineRiver071717_152	TC2PR	1238040.83827	2387500.17453	17-07-2017 09:38:54	0.000000	0.000730	0.077634	788.8	30.0	-2.789	0.003	0.319
PineRiver071717_153	TC2PR	1238107.50211	2387539.9203	17-07-2017 09:41:22	0.000000	0.000729	0.119970	788.7	30.6	-0.563	0.003	0.494
PineRiver071717_154	TC2PR	1237987.59156	2387726.69684	17-07-2017 09:45:10	0.598836	0.004603	1.328970	788.8	31.4	2.472	0.019	5.486
PineRiver071717_155	TC2PR	1237938.37222	2387730.7384	17-07-2017 09:47:22	0.000000	0.002902	0.021283	788.8	31.9	-0.001	0.012	0.088
PineRiver071717_156	TC2PR	1237944.5325	2387669.61681	17-07-2017 09:49:17	0.000000	0.002428	0.032050	793.2	32.4	0	0.01	0.132
PineRiver071717_157	TC2PR	1237941.47381	2387774.95007	17-07-2017 09:51:40	0.000000	0.004098	0.876977	788.8	32.9	0	0.017	3.638
PineRiver071717_158	TC2PR	1237981.15528	2387795.98338	17-07-2017 09:54:11	0.000000	0.003368	0.460727	788.8	33.5	-0.002	0.014	1.915
PineRiver071717_159	TC2PR	1238135.60386	2387755.31968	17-07-2017 09:58:00	0.000000	0.003118	0.410630	788.7	34.4	-1.354	0.013	1.712
PineRiver071717_160	TC2PR	1238347.89721	2387758.23344	17-07-2017 10:02:12	0.000000	0.001914	0.523200	788.7	35.2	0	0.008	2.187
PineRiver071717_161	TC2PR	1238318.06054	2387568.2645	17-07-2017 10:05:50	0.000000	0.000478	0.314939	788.8	35.6	-21.864	0.002	1.318
PineRiver071717_162	TC2PR	1238555.06193	2387662.65492	17-07-2017 10:09:41	0.000000	0.000239	0.219117	788.7	35.9	-1.398	0.001	0.918
PineRiver071717_163	TC2PR	1238546.84947	2387783.76184	17-07-2017 10:12:36	0.000000	0.005726	0.679006	788.6	36.0	0	0.024	2.846
PineRiver071717_164	TC2PR	1238568.97362	2387931.30308	17-07-2017 10:18:26	0.000000	0.002383	0.711963	788.6	36.4	0	0.01	2.988

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver071717_165	TC2PR	1238564.06752	2388158.30506	17-07-2017 10:22:15	0.000000	0.005475	0.702039	788.4	36.6	-0.039	0.023	2.949
PineRiver071717_166	TC2PR	1238569.91937	2388370.88503	17-07-2017 10:25:32	0.000000	0.004281	0.966540	788.4	36.9	-0.125	0.018	4.064
PineRiver071717_167	TC2PR	1238410.1505	2388492.68898	17-07-2017 10:28:47	0.000000	0.007365	0.881910	788.6	37.3	-1.251	0.031	3.712
PineRiver071717_168	TC2PR	1238351.1302	2388385.14275	17-07-2017 10:31:17	0.000000	0.007356	0.960566	788.4	37.6	-1.652	0.031	4.048
PineRiver071717_169	TC2PR	1238354.81918	2388729.05453	17-07-2017 10:34:54	0.000000	0.005925	1.164563	788.4	38.0	-0.758	0.025	4.914
PineRiver071717_170	TC2PR	1238375.36841	2388917.69371	17-07-2017 10:38:14	0.000000	0.003314	1.269339	788.4	38.4	-1.249	0.014	5.363
PineRiver071717_171	TC2PR	1238396.67997	2389154.22149	17-07-2017 10:41:28	0.000000	0.004963	0.421178	788.3	38.8	0	0.021	1.782
PineRiver071717_172	TC2PR	1238553.87381	2389419.71105	17-07-2017 10:45:08	0.000000	0.007317	0.332786	788.2	39.2	-1.682	0.031	1.41
PineRiver071717_173	TC2PR	1238610.24761	2389400.99553	17-07-2017 10:47:42	0.000000	0.010136	0.240918	788.0	39.5	-1.095	0.043	1.022
PineRiver071717_174	TC2PR	1238646.54677	2389396.48229	17-07-2017 10:49:57	0.000000	0.001885	0.368261	788.1	39.7	0	0.008	1.563
PineRiver071717_175	TC2PR	1238649.20729	2389441.62881	17-07-2017 10:52:19	0.000000	0.002354	0.296548	788.0	40.0	-0.344	0.01	1.26
PineRiver071717_176	TC2PR	1238641.52511	2389505.95025	17-07-2017 10:54:25	0.000000	0.003997	0.280240	787.9	40.3	-0.001	0.017	1.192
PineRiver071717_177	TC2PR	1238597.79511	2389517.76535	17-07-2017 10:56:30	0.000000	0.002819	0.485254	787.9	40.6	-0.001	0.012	2.066
PineRiver071717_178	TC2PR	1238542.67822	2389510.21008	17-07-2017 10:58:43	0.000000	0.004932	0.392896	788.3	40.8	-0.426	0.021	1.673
PineRiver071717_179	TC2PR	1238547.29737	2389459.39482	17-07-2017 11:01:05	0.000000	0.001877	0.237172	788.2	41.1	-0.235	0.008	1.011
PineRiver071717_180	TC2PR	1238603.51245	2389448.83568	17-07-2017 11:03:51	0.000000	0.000469	0.203666	788.2	41.4	0	0.002	0.869
PineRiver071717_181	TC2PR	1238612.99611	2389460.62529	17-07-2017 11:06:18	80.007660	0.001171	1.242139	788.1	41.6	341.637	0.005	5.304
PineRiver071717_182	TC2PR	1238603.96213	2389480.68815	17-07-2017 11:08:40	123.338300	0.000702	1.212329	788.1	41.8	526.996	0.003	5.18
PineRiver071717_183	TC2PR	1238607.33933	2389493.69292	17-07-2017 11:10:52	114.228300	0.000936	3.365236	788.1	42.0	488.381	0.004	14.388
PineRiver071717_184	TC2PR	1238627.71587	2389463.24994	17-07-2017 11:13:33	0.000000	0.002570	0.131556	788.1	42.3	-3.961	0.011	0.563
PineRiver071717_185	TC2PR	1238115.33497	2389626.72246	17-07-2017 11:21:11	0.000000	0.005135	0.586113	788.5	42.8	-3.289	0.022	2.511
PineRiver071717_186	TC2PR	1238141.97902	2389571.77055	17-07-2017 11:23:16	0.000000	0.001867	0.211396	788.2	42.8	0	0.008	0.906
PineRiver071717_187	TC2PR	1238159.96322	2389518.59085	17-07-2017 11:25:42	0.000000	0.005134	0.280964	788.3	42.8	0	0.022	1.204
PineRiver071717_188	TC2PR	1238110.43359	2389447.47924	17-07-2017 11:28:05	0.000000	0.006299	0.563383	788.3	42.9	-0.489	0.027	2.415
PineRiver071717_189	TC2PR	1238051.3351	2389446.86802	17-07-2017 11:31:05	0.000000	0.004664	0.886323	788.2	43.0	0	0.02	3.801
PineRiver071717_190	TC2PR	1237996.38777	2389444.13137	17-07-2017 11:35:41	0.000000	0.002563	0.093883	788.2	43.3	0	0.011	0.403

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver071717_191	TC2PR	1237954.38398	2389438.34071	17-07-2017 11:38:03	0.000000	0.011182	1.154087	788.2	43.3	-2.892	0.048	4.954
PineRiver071717_192	TC2PR	1237953.13618	2389490.84741	17-07-2017 11:40:07	0.000000	0.005125	0.964224	788.2	43.3	-1.625	0.022	4.139
PineRiver071717_193	TC2PR	1237949.20708	2389543.5209	17-07-2017 11:42:13	0.000000	0.003281	0.540410	792.9	43.3	-0.261	0.014	2.306
PineRiver071717_194	TC2PR	1237951.08157	2389592.46703	17-07-2017 11:44:38	0.000000	0.001397	0.772020	788.2	43.4	-0.603	0.006	3.315
PineRiver071717_195	TC2PR	1238002.99769	2389602.30209	17-07-2017 11:46:52	0.000000	0.002561	0.167372	788.1	43.5	-0.931	0.011	0.719
PineRiver071717_196	TC2PR	1238047.04581	2389599.08442	17-07-2017 11:48:51	0.000000	0.006514	0.837312	787.9	43.6	0	0.028	3.599
PineRiver071717_197	TC2PR	1238054.31713	2389552.37963	17-07-2017 11:52:15	0.000000	0.005583	0.951020	788.1	43.7	-0.152	0.024	4.088
PineRiver071717_198	TC2PR	1237996.01943	2389513.33323	17-07-2017 11:56:33	0.000000	0.005814	0.381172	788.1	43.8	-1.351	0.025	1.639
PineRiver071717_199	TC2PR	1238025.80317	2389474.97823	17-07-2017 11:58:58	0.000000	0.000698	0.358148	788.1	43.8	-0.345	0.003	1.54
PineRiver071717_200	TC2PR	1237992.80949	2389563.3883	17-07-2017 12:01:39	0.000000	0.004881	0.791196	787.9	43.9	-0.409	0.021	3.404
PineRiver071717_201	TC2PR	1238104.98821	2389573.31715	17-07-2017 12:04:47	0.000000	0.006276	0.723791	787.9	43.9	-0.489	0.027	3.114
PineRiver071717_202	TC2PR	1238090.51713	2389504.97962	17-07-2017 12:07:10	0.000000	0.009528	0.723931	787.8	43.9	-1.04	0.041	3.115
PineRiver071717_203	TC2PR	1238059.53388	2389499.95294	17-07-2017 12:10:29	107.338400	0.006972	3.545288	787.8	43.9	461.866	0.03	15.255
PineRiver071717_204	TC2PR	1238189.6823	2389168.98491	17-07-2017 12:18:25	0.000000	0.005340	0.603905	787.8	44.2	-5.209	0.023	2.601
PineRiver071717_205	TC2PR	1238125.69318	2388986.77944	17-07-2017 12:21:11	0.000000	0.010451	0.724404	787.8	44.1	-1.587	0.045	3.119
PineRiver071717_206	TC2PR	1238165.948	2388763.45362	17-07-2017 12:24:06	0.000000	0.007199	0.827602	787.9	44.2	-0.002	0.031	3.564
PineRiver071717_207	TC2PR	1238171.46461	2388566.32233	17-07-2017 12:26:55	0.000000	0.005805	0.812637	787.8	44.2	-0.665	0.025	3.5
PineRiver071717_208	TC2PR	1238144.41192	2388346.84825	17-07-2017 12:29:52	0.000000	0.007428	1.541166	787.9	44.3	-0.162	0.032	6.639
PineRiver071717_209	TC2PR	1238162.70766	2388269.81038	17-07-2017 12:32:32	0.000000	0.007896	1.405668	788.2	44.3	-0.845	0.034	6.053
PineRiver071717_210	TC2PR	1238178.58657	2388284.13846	17-07-2017 12:35:23	304.958800	0.005570	7.876759	787.9	44.4	1314.108	0.024	33.942
PineRiver071717_211	TC2PR	1238192.61693	2388284.5067	17-07-2017 12:37:42	1.936585	0.008354	0.868156	787.9	44.4	8.345	0.036	3.741
PineRiver071717_212	TC2PR	1238236.41117	2388257.30171	17-07-2017 12:40:22	0.653522	0.004872	4.679978	787.9	44.5	2.817	0.021	20.173
PineRiver071717_213	TC2PR	1238159.16268	2388153.23859	17-07-2017 12:43:06	0.000000	0.007891	1.127911	788.2	44.5	-0.496	0.034	4.86
PineRiver071717_214	TC2PR	1238358.3191	2388171.26858	17-07-2017 12:45:44	0.000000	0.005566	1.126199	787.9	44.6	-0.692	0.024	4.856
PineRiver071717_215	TC2PR	1238326.32235	2387933.37879	17-07-2017 12:48:44	0.000000	0.003480	0.427304	788.1	44.6	-1.913	0.015	1.842
PineRiver071717_216	TC2PR	1238189.23901	2387992.48687	17-07-2017 12:51:32	0.000000	0.003711	0.393825	788.2	44.7	0	0.016	1.698

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver071717_217	TC2PR	1238205.37328	2387010.47363	17-07-2017 13:06:51	0.000000	0.000927	0.291107	787.9	44.8	-1.417	0.004	1.256
PineRiver071717_218	TC2PR	1238308.7075	2387004.91856	17-07-2017 13:09:10	0.000000	0.002319	0.101568	787.8	44.6	-0.844	0.01	0.438
PineRiver071717_219	TC2PR	1238386.36578	2387126.96139	17-07-2017 13:11:55	0.000000	0.003014	0.533742	787.7	44.6	-0.795	0.013	2.302
PineRiver071717_220	TC2PR	1238366.19444	2387293.34896	17-07-2017 13:15:54	0.000000	0.001622	0.307717	787.7	44.8	-0.715	0.007	1.328
PineRiver071717_221	TC2PR	1238182.83019	2387369.5931	17-07-2017 13:21:22	0.000000	0.001389	0.178308	787.7	45.0	-0.788	0.006	0.77
PineRiver071717_222	TC2PR	1237979.74121	2387318.34861	17-07-2017 13:24:22	0.000000	0.000000	0.000000	787.5	45.0	0	-0.004	-0.394
PineRiver071717_223	TC2PR	1237932.58897	2387166.03312	17-07-2017 13:26:52	0.000000	0.002779	0.569196	787.7	45.0	-0.934	0.012	2.458
PineRiver071717_224	TC2PR	1238121.63097	2387146.67532	17-07-2017 13:30:10	0.000000	0.002084	0.430541	787.8	45.0	-0.598	0.009	1.859
PineRiver071717_225	TC2PR	1237970.39925	2386960.05011	17-07-2017 13:33:42	0.000000	0.001621	0.403600	787.9	45.1	-0.934	0.007	1.743
PineRiver071717_226	TC2PR	1237977.31495	2386794.59354	17-07-2017 13:36:16	0.000000	0.004396	0.270002	787.5	45.2	0	0.019	1.167
PineRiver071717_227	TC2PR	1238164.20066	2386769.04148	17-07-2017 13:38:47	0.000000	0.004163	0.090435	787.5	45.3	-2.369	0.018	0.391
PineRiver071717_228	TC2PR	1238366.31927	2386788.03911	17-07-2017 13:41:22	0.000000	0.002311	0.280541	787.3	45.5	0	0.01	1.214
PineRiver071717_229	TC2PR	1238503.06739	2386948.23879	17-07-2017 13:44:58	0.000000	0.001154	0.000000	787.1	45.7	-1.689	0.005	-0.347
PineRiver071717_230	TC2PR	1238561.83016	2386736.45723	17-07-2017 13:49:23	0.000000	0.000462	0.540598	787.4	45.9	-0.262	0.002	2.342
PineRiver071717_231	TC2PR	1238534.14409	2386612.09004	17-07-2017 13:52:44	0.000000	0.001384	0.710127	787.0	45.9	-0.511	0.006	3.078
PineRiver071717_232	TC2PR	1238196.61461	2386568.8419	17-07-2017 13:57:35	0.000000	0.004610	0.195459	787.0	46.2	-0.002	0.02	0.848
PineRiver071717_233	TC2PR	1238217.51813	2386560.43959	17-07-2017 13:59:47	0.000000	0.001839	0.040232	785.2	46.3	0	0.008	0.175
PineRiver071717_234	TC2PR	1238344.15429	2386551.38496	17-07-2017 14:02:34	3.743510	0.000919	2.172784	784.8	46.4	16.297	0.004	9.459
PineRiver071717_235	TC2PR	1238555.0749	2386405.19907	17-07-2017 14:06:42	0.000000	0.001835	0.129146	784.7	46.8	0	0.008	0.563
PineRiver071717_236	TC2PR	1238637.19471	2386188.13922	17-07-2017 14:11:16	0.000000	0.002058	0.203714	783.1	47.2	-1.128	0.009	0.891
PineRiver071717_237	TC2PR	1238639.83208	2386084.08848	17-07-2017 14:14:27	0.000000	0.000685	0.405951	782.7	47.3	-0.686	0.003	1.777
PineRiver071717_238	TC2PR	1238691.96292	2386001.93373	17-07-2017 14:17:16	0.000000	0.002056	0.580028	782.7	47.3	-2.136	0.009	2.539
PineRiver071717_239	TC2PR	1238577.42342	2385954.69425	17-07-2017 14:21:42	0.000000	0.001371	0.125228	782.7	47.2	-1.093	0.006	0.548
PineRiver071717_240	TC2PR	1238561.5513	2386063.8436	17-07-2017 14:24:35	9.001534	0.000456	2.229512	780.8	47.0	39.462	0.002	9.774
PineRiver071717_241	TC2PR	1238540.6917	2386137.39355	17-07-2017 14:27:25	6.507963	0.000228	1.320317	780.9	46.7	28.5	0.001	5.782
PineRiver071717_242	TC2PR	1238380.47221	2385971.28522	17-07-2017 14:30:46	0.000000	0.000000	0.152920	781.2	46.5	-0.629	-0.001	0.669

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver071717_243	TC2PR	1238326.48495	2386143.15902	17-07-2017 14:34:22	0.000000	0.000000	0.175190	780.9	46.2	-1.289	-0.006	0.766
PineRiver071717_244	TC2PR	1238150.6786	2386339.81592	17-07-2017 14:37:56	0.000000	0.000459	0.013069	782.1	45.9	-0.598	0.002	0.057
PineRiver071717_245	TC2PR	1238373.18719	2386366.94929	17-07-2017 14:41:12	0.000000	0.000919	0.033561	783.4	45.6	-0.693	0.004	0.146
VosburgPike062616_01	VP	1244219.63048	2352805.31319	26-06-2017 11:15:32	0.000000	0.000000	0.148919	760.3	40.1	-11.246	-0.003	0.656
VosburgPike062616_02	VP	1244288.22381	2352746.20517	26-06-2017 11:18:57	0.000000	0.002040	0.216518	760.3	40.5	-2.158	0.009	0.955
VosburgPike062616_03	VP	1244552.62929	2352774.92541	26-06-2017 11:25:56	0.000000	0.003836	0.455549	759.3	41.6	0	0.017	2.019
VosburgPike062616_04	VP	1244567.13814	2352606.198	26-06-2017 11:29:43	0.000000	0.000900	0.125279	758.1	42.1	-0.001	0.004	0.557
VosburgPike062616_05	VP	1244605.22646	2352370.30735	26-06-2017 11:34:22	0.000000	0.001122	0.168534	757.6	42.6	0	0.005	0.751
VosburgPike062616_06	VP	1244390.46731	2352359.18721	26-06-2017 11:38:35	0.000000	0.004025	0.257583	755.8	43.0	-1.867	0.018	1.152
VosburgPike062616_07	VP	1244384.37587	2352502.62898	26-06-2017 11:42:39	0.000000	0.001343	0.176129	757.2	43.3	-0.75	0.006	0.787
VosburgPike062616_08	VP	1244158.89737	2352359.91186	26-06-2017 11:48:10	0.000000	0.001345	0.130029	759.0	43.5	-2.923	0.006	0.58
VosburgPike062616_09	VP	1244139.92629	2352551.02614	26-06-2017 11:54:42	0.000000	0.000672	0.106660	759.1	43.7	-1.493	0.003	0.476
VosburgPike062616_10	VP	1243759.82128	2352720.33157	26-06-2017 12:15:55	0.000000	0.000000	0.296649	759.6	43.7	-0.611	0	1.323
VosburgPike062616_11	VP	1243762.70781	2352945.86191	26-06-2017 12:20:35	0.000000	0.000900	0.388458	762.2	43.6	-1.138	0.004	1.726
VosburgPike062616_12	VP	1243584.43305	2352787.00625	26-06-2017 12:26:22	0.736566	0.001803	1.510321	763.3	43.6	3.268	0.008	6.701
VosburgPike062616_13	VP	1243542.11034	2352533.36296	26-06-2017 12:31:05	0.000000	0.000225	0.805252	763.3	43.8	-0.334	0.001	3.575
VosburgPike062616_14	VP	1243569.86162	2352952.78938	26-06-2017 12:38:02	0.000000	0.000901	0.406996	763.5	43.9	-0.155	0.004	1.807
VosburgPike062616_15	VP	1243555.7258	2352979.33602	26-06-2017 12:40:32	0.000000	0.001577	0.603365	763.5	43.8	-1.099	0.007	2.678
VosburgPike062616_16	VP	1243489.46596	2352947.79982	26-06-2017 12:43:31	0.000000	0.003155	0.705387	763.7	43.8	-0.769	0.014	3.13
VosburgPike062616_17	VP	1243473.39215	2352994.42403	26-06-2017 12:46:10	0.333581	0.005635	1.028918	763.8	43.8	1.48	0.025	4.565
VosburgPike062616_18	VP	1243347.29326	2352964.13877	26-06-2017 12:50:17	0.000000	0.000451	0.341326	764.2	44.1	-0.333	0.002	1.515
VosburgPike062616_19	VP	1243350.20606	2352881.34394	26-06-2017 12:52:53	0.000000	0.001577	0.275356	764.8	44.3	-0.435	0.007	1.222
VosburgPike062616_20	VP	1243391.38256	2352763.42904	26-06-2017 12:56:25	0.000000	0.001126	0.258451	764.6	44.5	-1.405	0.005	1.148
VosburgPike062616_21	VP	1243385.60697	2352551.5723	26-06-2017 13:03:30	0.000000	0.004952	0.620766	764.9	44.7	-1.116	0.022	2.758
VosburgPike062616_22	VP	1243088.78482	2352551.18486	26-06-2017 13:15:11	0.000000	0.000450	0.065654	764.1	44.7	-2.786	0.002	0.292
VosburgPike062616_23	VP	1243242.58034	2352760.68342	26-06-2017 13:23:50	0.000000	0.001577	0.053629	766.0	44.8	-1.021	0.007	0.238

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike062616_24	VP	1243166.53082	2352835.50499	26-06-2017 13:25:32	0.000000	0.000000	0.344684	766.6	44.7	-2.191	0	1.528
VosburgPike062616_25	VP	1243165.19859	2352962.26906	26-06-2017 13:27:27	0.000000	0.000000	0.291483	766.1	44.7	-2.454	-0.003	1.293
VosburgPike062616_26	VP	1243392.51642	2353170.94729	26-06-2017 13:30:39	0.000000	0.000000	0.111071	765.4	44.6	-0.38	-0.003	0.493
VosburgPike062616_27	VP	1243363.20771	2353363.12169	26-06-2017 13:33:41	0.000000	0.000000	0.266506	766.4	44.5	-0.086	0	1.181
VosburgPike062616_28	VP	1243539.31611	2353395.47897	26-06-2017 13:36:01	0.000000	0.000000	0.164151	764.5	44.4	-0.984	-0.004	0.729
VosburgPike062616_29	VP	1243697.34897	2353322.25786	26-06-2017 13:38:23	0.000000	0.000000	0.464077	762.9	44.2	-2.242	-0.003	2.064
VosburgPike062616_30	VP	1243789.63288	2353194.09809	26-06-2017 13:40:48	0.000000	0.000000	1.303223	762.7	44.0	-1.555	-0.003	5.794
VosburgPike062616_31	VP	1243611.99912	2353144.70746	26-06-2017 13:43:19	0.000000	0.000000	0.180382	764.8	43.7	-0.95	-0.002	0.799
VosburgPike062917_48	VP	1244162.46665	2349127.41888	29-06-2017 13:15:40	0.000000	0.000000	0.270934	750.8	35.8	0	-0.004	1.192
VosburgPike062917_49	VP	1244122.77186	2349362.18076	29-06-2017 13:22:36	0.000000	0.000904	0.094702	750.7	37.5	0	0.004	0.419
VosburgPike062917_50	VP	1244096.20475	2349501.03703	29-06-2017 13:27:59	6.864081	0.001126	2.000832	750.6	38.6	30.481	0.005	8.885
VosburgPike062917_51	VP	1244127.85646	2349578.55947	29-06-2017 13:30:39	0.000000	0.006079	0.305093	751.7	39.1	0	0.027	1.355
VosburgPike062917_52	VP	1244097.34987	2349569.23211	29-06-2017 13:33:28	6.311688	0.004046	4.920505	751.4	39.5	28.079	0.018	21.89
VosburgPike062917_53	VP	1244102.47898	2349646.33318	29-06-2017 13:36:10	0.000000	0.005389	0.284923	751.5	39.9	-0.956	0.024	1.269
VosburgPike062917_54	VP	1244138.75914	2349711.26167	29-06-2017 13:41:01	0.000000	0.000897	0.000000	751.7	40.5	-1.535	0.004	-0.502
VosburgPike062917_55	VP	1244218.90071	2349762.66263	29-06-2017 13:45:09	0.000000	0.008948	0.293052	750.9	40.8	-1.445	0.04	1.31
VosburgPike062917_56	VP	1244305.76678	2349765.00741	29-06-2017 13:48:10	0.000000	0.004020	0.356218	749.9	40.9	-4.695	0.018	1.595
VosburgPike062917_57	VP	1244306.81998	2349615.05976	29-06-2017 13:52:54	0.000000	0.000892	0.145882	749.7	41.2	-1.817	0.004	0.654
VosburgPike062917_58	VP	1244304.33474	2349927.55712	29-06-2017 14:01:13	0.000000	0.000000	0.165232	750.1	41.9	-0.853	-0.012	0.742
VosburgPike062917_59	VP	1244233.87478	2350189.25182	29-06-2017 14:06:44	0.000000	0.002885	0.192215	748.6	42.3	-0.001	0.013	0.866
VosburgPike062917_60	VP	1244126.01038	2350034.71307	29-06-2017 14:12:55	0.000000		0.257464	749.7	42.5	-0.894		1.159
VosburgPike062917_61	VP	1243972.28328	2350155.38444	29-06-2017 14:17:35	0.000000	0.000444	0.164430	749.9	42.5	-0.282	0.002	0.74
VosburgPike062917_62	VP	1243956.6295	2350039.97643	29-06-2017 14:21:42	0.000000	0.004449	0.219548	750.7	42.5	-0.833	0.02	0.987
VosburgPike062917_63	VP	1243914.97547	2349817.75471	29-06-2017 14:25:41	0.000000	0.002223	0.228343	750.6	42.6	-1.021	0.01	1.027
VosburgPike062917_64	VP	1243983.13875	2349609.9643	29-06-2017 14:30:03	0.000000	0.003563	0.272097	751.7	42.6	-0.558	0.016	1.222
VosburgPike062917_65	VP	1243948.66757	2349429.76649	29-06-2017 14:35:49	0.000000	0.002674	0.462906	752.4	42.6	-0.934	0.012	2.077

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike062917_66	VP	1243941.17679	2349230.56767	29-06-2017 14:39:32	0.000000	0.001337	0.209037	752.1	42.5	-0.525	0.006	0.938
VosburgPike062917_67	VP	1243796.76816	2349194.03796	29-06-2017 14:42:18	0.000000	0.004455	0.134773	751.8	42.5	0	0.02	0.605
VosburgPike062917_68	VP	1243766.54	2349351.0295	29-06-2017 14:45:49	0.000000	0.003342	0.293668	752.2	42.6	-1.236	0.015	1.318
VosburgPike062917_69	VP	1243765.39541	2349511.60808	29-06-2017 14:49:27	0.000000	0.001337	0.266199	752.5	42.8	-0.827	0.006	1.195
VosburgPike062917_70	VP	1243742.39988	2349754.40629	29-06-2017 14:54:30	0.000000	0.001336	0.118024	753.2	43.2	-0.09	0.006	0.53
VosburgPike062917_71	VP	1243775.08004	2349915.24202	29-06-2017 14:57:38	0.000000	0.000667	0.107016	753.0	43.4	0	0.003	0.481
VosburgPike062917_72	VP	1243772.30412	2350147.50138	29-06-2017 15:02:25	0.000000	0.002001	0.021566	753.2	43.7	-0.964	0.009	0.097
VosburgPike062917_73	VP	1243564.4337	2350163.0601	29-06-2017 15:07:06	0.000000	0.000444	0.092117	752.2	43.8	-0.821	0.002	0.415
VosburgPike062917_74	VP	1243573.74558	2350075.85127	29-06-2017 15:09:37	0.000000	0.000000	0.553608	754.1	43.7	-1.146	0	2.487
VosburgPike062917_75	VP	1243566.55851	2349994.35518	29-06-2017 15:12:33	0.000000	0.006238	0.381192	754.5	43.6	-1.605	0.028	1.711
VosburgPike062917_76	VP	1243551.86106	2349889.57593	29-06-2017 15:15:28	0.000000	0.001783	0.124845	755.0	43.6	-1.332	0.008	0.56
VosburgPike062917_77	VP	1243568.90211	2349787.31228	29-06-2017 15:18:15	0.000000	0.001338	0.138710	755.0	43.5	-0.626	0.006	0.622
VosburgPike062917_78	VP	1243554.01316	2349606.81274	29-06-2017 15:23:01	0.000000	0.000892	0.151462	755.2	43.5	-0.766	0.004	0.679
VosburgPike062917_79	VP	1243560.29656	2349438.29919	29-06-2017 15:26:45	0.000000	0.000669	0.201894	754.2	43.4	-2.816	0.003	0.906
VosburgPike062917_80	VP	1243371.06176	2349562.60197	29-06-2017 15:31:11	0.000000	0.002007	0.477787	754.1	43.2	-2.209	0.009	2.143
VosburgPike062917_81	VP	1243247.43179	2349613.60423	29-06-2017 15:33:57	0.000000	0.000223	0.069485	755.7	43.2	-0.697	0.001	0.311
VosburgPike062917_82	VP	1242954.30317	2349592.98117	29-06-2017 15:38:31	0.000000	0.001789	0.081420	756.8	43.3	-1.555	0.008	0.364
VosburgPike063017_100	VP	1242810.57346	2349986.92325	30-06-2017 11:19:11	166.520300	0.001134	5.155671	763.1	41.5	734.112	0.005	22.729
VosburgPike063017_101	VP	1242753.07617	2350002.0356	30-06-2017 11:22:24	1.434481	0.004986	2.155347	763.1	41.8	6.33	0.022	9.511
VosburgPike063017_102	VP	1242713.18352	2350131.74276	30-06-2017 11:26:25	0.000000	0.001132	0.260202	763.3	42.1	-1.009	0.005	1.149
VosburgPike063017_103	VP	1242549.75429	2350134.7579	30-06-2017 11:30:55	0.000000	0.003847	0.228102	763.7	42.5	-0.001	0.017	1.008
VosburgPike063017_104	VP	1242582.6755	2349974.86058	30-06-2017 11:36:15	0.000000	0.003169	0.172926	764.6	42.8	-1.326	0.014	0.764
VosburgPike063017_83	VP	1242557.40744	2349785.88	30-06-2017 10:01:08	0.000000	0.000000	0.101762	763.5	29.3	-3.373	-0.002	0.431
VosburgPike063017_84	VP	1242745.71292	2349744.79872	30-06-2017 10:07:45	0.000000	0.000469	0.230280	763.6	31.1	-0.001	0.002	0.981
VosburgPike063017_85	VP	1242947.01101	2349821.26373	30-06-2017 10:13:18	1.080419	0.000700	0.960528	762.0	32.4	4.632	0.003	4.118
VosburgPike063017_86	VP	1243027.06285	2349761.42013	30-06-2017 10:19:04	0.386283	0.001393	0.365854	761.6	33.7	1.664	0.006	1.576

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike063017_87	VP	1243127.11961	2349829.71282	30-06-2017 10:23:35	28.596740	0.000925	1.412895	761.0	34.8	123.726	0.004	6.113
VosburgPike063017_88	VP	1243206.56053	2349797.18506	30-06-2017 10:26:43	0.000000	0.001613	0.733208	760.4	35.5	-0.002	0.007	3.182
VosburgPike063017_89	VP	1243328.79136	2349789.52935	30-06-2017 10:30:56	2.045300	0.001378	1.704340	759.9	36.4	8.908	0.006	7.423
VosburgPike063017_90	VP	1243353.78125	2349795.72064	30-06-2017 10:33:47	54.108020	0.001603	2.062021	759.0	36.9	236.32	0.007	9.006
VosburgPike063017_91	VP	1243342.1799	2349965.17108	30-06-2017 10:38:25	60.924770	0.000913	3.848493	758.5	37.7	266.955	0.004	16.863
VosburgPike063017_92	VP	1243314.99153	2350120.1737	30-06-2017 10:42:43	0.000000	0.000456	0.184934	758.4	38.3	-0.609	0.002	0.812
VosburgPike063017_93	VP	1243219.50131	2350198.2967	30-06-2017 10:49:28	0.000000	0.004088	0.186480	758.3	39.1	-0.001	0.018	0.821
VosburgPike063017_94	VP	1243202.96495	2349942.52861	30-06-2017 10:54:28	0.751486	0.001363	0.524610	759.4	39.6	3.309	0.006	2.31
VosburgPike063017_95	VP	1242998.97744	2349948.11397	30-06-2017 10:58:48	0.000000	0.001134	0.691698	759.8	40.1	-0.901	0.005	3.049
VosburgPike063017_96	VP	1242992.96334	2349921.13068	30-06-2017 11:01:11	7.352173	0.001360	2.545794	759.8	40.3	32.429	0.006	11.229
VosburgPike063017_97	VP	1242913.3522	2350162.54449	30-06-2017 11:06:43	0.000000	0.002495	0.446808	761.8	41.0	-0.872	0.011	1.97
VosburgPike063017_98	VP	1242883.31931	2350023.04839	30-06-2017 11:13:53	7.693946	0.001134	6.694084	762.5	41.4	33.935	0.005	29.525
VosburgPike063017_99	VP	1242840.55215	2349994.64875	30-06-2017 11:16:26	0.000000	0.001134	1.098775	762.7	41.4	-2.67	0.005	4.845
VosburgPike071817_01	VP_Sec12	1245937.4334	2359345.42933	18-07-2017 09:38:45	0.000000	0.001644	0.465845	756.9	28.2	-1.426	0.007	1.983
VosburgPike071817_02	VP_Sec12	1246136.65033	2359548.53779	18-07-2017 09:44:19	0.000000	0.002336	0.338255	756.9	29.9	0	0.01	1.448
VosburgPike071817_03	VP_Sec12	1246314.97762	2359551.83259	18-07-2017 09:48:49	0.000000	0.003254	0.557536	756.0	31.1	-0.001	0.014	2.399
VosburgPike071817_04	VP_Sec12	1246334.80053	2359406.35157	18-07-2017 09:51:54	0.000000	0.002780	0.307910	755.4	31.8	-0.742	0.012	1.329
VosburgPike071817_05	VP_Sec12	1246109.71173	2359383.2	18-07-2017 09:55:28	0.000000	0.004394	0.236828	755.8	32.5	-2.63	0.019	1.024
VosburgPike071817_06	VP_Sec12	1246115.59023	2359150.75638	18-07-2017 09:59:51	0.000000	0.003927	0.338615	756.8	33.3	-0.002	0.017	1.466
VosburgPike071817_07	VP_Sec12	1246110.92816	2358943.37899	18-07-2017 10:09:01	0.000000	0.000688	0.164791	756.1	35.4	-0.053	0.003	0.719
VosburgPike071817_08	VP_Sec12	1246108.62292	2358732.64714	18-07-2017 10:12:56	0.000000	0.001596	0.255327	754.5	36.4	-0.002	0.007	1.12
VosburgPike071817_09	VP_Sec12	1245917.10259	2358745.85219	18-07-2017 10:19:11	0.000000	0.004762	0.162375	754.2	37.9	-0.361	0.021	0.716
VosburgPike071817_10	VP_Sec12	1245705.90176	2358776.74856	18-07-2017 10:23:30	0.000000	0.000680	0.444870	755.0	38.6	-0.925	0.003	1.964
VosburgPike071817_11	VP_Sec12	1245716.13618	2359003.21504	18-07-2017 10:28:16	0.000000	0.001808	0.716471	754.8	39.3	-0.403	0.008	3.171
VosburgPike071817_12	VP_Sec12	1245733.6409	2359141.95576	18-07-2017 10:31:30	0.000000	0.003389	0.464563	755.8	39.7	-1.384	0.015	2.056
VosburgPike071817_13	VP_Sec12	1245906.37239	2358976.60612	18-07-2017 10:34:41	0.000000	0.002261	0.344978	756.9	40.0	-0.548	0.01	1.526

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071817_14	VP_Sec12	1245942.68346	2359020.04011	18-07-2017 10:37:11	0.000000	0.002031	0.232693	755.9	40.1	-0.247	0.009	1.031
VosburgPike071817_15	VP_Sec12	1245917.59585	2359157.63664	18-07-2017 10:40:51	0.000000	0.003155	0.590189	755.7	40.5	-0.001	0.014	2.619
VosburgPike071817_16	VP_Sec12	1245936.20547	2359255.21557	18-07-2017 10:44:25	2.644750	0.003828	2.242126	756.1	40.9	11.745	0.017	9.957
VosburgPike071817_17	VP_Sec12	1245889.80194	2359297.36499	18-07-2017 10:46:50	3.905713	0.003153	2.707177	756.9	41.2	17.343	0.014	12.021
VosburgPike071817_18	VP_Sec12	1245860.24443	2359327.05205	18-07-2017 10:49:10	1.340648	0.004954	1.469669	757.5	41.5	5.954	0.022	6.527
VosburgPike071817_19	VP_Sec12	1245845.03124	2359337.65903	18-07-2017 10:51:24	79.361450	0.003599	2.488432	757.5	41.8	352.791	0.016	11.062
VosburgPike071817_20	VP_Sec12	1245819.84254	2359375.15832	18-07-2017 10:53:46	0.000000	0.004047	0.587328	757.9	42.1	-1.365	0.018	2.612
VosburgPike071817_21	VP_Sec12	1245720.36269	2359358.14732	18-07-2017 10:58:23	0.000000	0.004264	0.483199	757.9	42.7	-0.129	0.019	2.153
VosburgPike071817_22	VP_Sec12	1245724.1284	2359559.95059	18-07-2017 11:02:51	0.000000	0.002689	0.314221	758.3	43.3	-0.488	0.012	1.402
VosburgPike071817_23	VP_Sec12	1245899.7284	2359566.2332	18-07-2017 11:06:44	0.000000	0.002686	0.304423	758.3	43.7	-0.518	0.012	1.36
VosburgPike071817_24	VP_Sec12	1245768.44757	2360003.4882	18-07-2017 11:12:52	0.000000	0.000446	0.284705	757.3	44.3	0	0.002	1.276
VosburgPike071817_25	VP_Sec12	1245723.88217	2360138.34065	18-07-2017 11:31:25	0.000000	0.000671	0.094655	758.3	43.8	-2.028	0.003	0.423
VosburgPike071817_26	VP_Sec12	1245900.88692	2360170.71991	18-07-2017 11:35:24	0.000000	0.001567	0.317679	757.7	43.4	0	0.007	1.419
VosburgPike071817_27	VP_Sec12	1246092.9848	2360172.99407	18-07-2017 11:39:57	0.000000	0.001567	0.431528	756.8	43.1	-0.691	0.007	1.928
VosburgPike071817_28	VP_Sec12	1245916.08258	2360299.75004	18-07-2017 11:44:09	0.000000	0.005592	0.278041	756.1	43.0	-2.075	0.025	1.243
VosburgPike071817_29	VP_Sec12	1245958.96487	2360325.63924	18-07-2017 11:46:27	0.000000	0.002691	0.467494	757.9	43.0	-1.151	0.012	2.085
VosburgPike071817_30	VP_Sec12	1246109.05765	2360348.53612	18-07-2017 11:49:54	0.000000	0.004708	0.235640	758.1	43.1	-0.084	0.021	1.051
VosburgPike071817_31	VP_Sec12	1246131.76826	2360517.23412	18-07-2017 11:55:59	0.000000	0.002241	0.646080	758.7	43.5	-0.594	0.01	2.883
VosburgPike071817_32	VP_Sec12	1246170.78027	2360718.17407	18-07-2017 12:02:21	0.000000	0.000000	0.208616	760.4	43.9	-0.053	-0.008	0.93
VosburgPike071817_33	VP_Sec12	1246162.5493	2360987.59719	18-07-2017 12:08:40	0.000000	0.001342	0.175413	759.4	44.3	-0.619	0.006	0.784
VosburgPike071817_34	VP_Sec12	1246208.46728	2361239.9798	18-07-2017 12:14:58	0.000000	0.000895	0.573449	759.4	44.3	0	0.004	2.563
VosburgPike071817_35	VP_Sec12	1246015.61881	2361281.24042	18-07-2017 12:19:13	0.000000	0.002230	0.645494	756.8	44.2	-1.805	0.01	2.894
VosburgPike071817_36	VP_Sec12	1245990.00139	2361050.1116	18-07-2017 12:22:48	0.000000	0.001566	0.397940	758.5	44.0	-0.645	0.007	1.779
VosburgPike071817_37	VP_Sec12	1245805.92726	2361300.29228	18-07-2017 12:27:48	0.000000	0.001120	0.371773	759.4	43.8	-0.818	0.005	1.659
VosburgPike071817_38	VP_Sec12	1245604.77726	2361324.95363	18-07-2017 12:31:58	0.000000	0.001345	0.206188	759.0	43.6	0	0.006	0.92
VosburgPike071817_39	VP_Sec12	1245835.03029	2361026.49959	18-07-2017 12:38:01	0.000000	0.000449	0.823472	760.3	43.6	-0.594	0.002	3.668

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071817_40	VP_Sec12	1245750.82132	2361017.27667	18-07-2017 12:41:44	60.048600	0.004495	5.961845	761.1	43.6	267.194	0.02	26.528
VosburgPike071817_41	VP_Sec12	1245673.58842	2361035.35421	18-07-2017 12:45:26	10.630220	0.002024	1.733775	761.8	43.7	47.272	0.009	7.71
VosburgPike071817_42	VP_Sec12	1245617.63806	2361035.49614	18-07-2017 12:47:40	0.320091	0.006307	2.306410	763.1	43.7	1.421	0.028	10.239
VosburgPike071817_43	VP_Sec12	1245567.0263	2361058.45307	18-07-2017 12:49:55	0.000000	0.006529	0.382491	762.9	43.8	-0.148	0.029	1.699
VosburgPike071817_44	VP_Sec12	1245411.58568	2361283.11101	18-07-2017 12:57:01	0.000000	0.005172	0.351674	762.7	44.1	-0.001	0.023	1.564
VosburgPike071817_45	VP_Sec12	1245184.07514	2361289.5744	18-07-2017 13:01:08	0.000000	0.001347	0.317470	761.8	44.2	-0.566	0.006	1.414
VosburgPike071817_46	VP_Sec12	1245378.22493	2361006.28003	18-07-2017 13:07:13	9.334304	0.006297	2.760980	763.3	44.3	41.506	0.028	12.277
VosburgPike071817_47	VP_Sec12	1245328.29245	2361011.26492	18-07-2017 13:09:20	14.659930	0.010345	2.261948	763.3	44.3	65.187	0.046	10.058
VosburgPike071817_48	VP_Sec12	1245130.72409	2361054.24504	18-07-2017 13:12:20	0.000000	0.006535	0.598272	765.3	44.5	-1.27	0.029	2.655
VosburgPike071817_49	VP_Sec12	1245126.79375	2360858.67831	18-07-2017 13:16:55	0.000000	0.002028	0.896935	766.1	44.8	0	0.009	3.98
VosburgPike071817_50	VP_Sec12	1245327.2924	2360785.49376	18-07-2017 13:20:42	0.000000	0.000673	0.096248	763.4	45.1	-0.097	0.003	0.429
VosburgPike071817_51	VP_Sec12	1245541.22804	2360758.2565	18-07-2017 13:24:10	0.000000	0.002687	0.121349	762.3	45.3	-0.162	0.012	0.542
VosburgPike071817_52	VP_Sec12	1245746.19337	2360734.08017	18-07-2017 13:27:37	0.000000	0.000895	0.136928	762.5	45.6	-1.213	0.004	0.612
VosburgPike071817_53	VP_Sec12	1245891.0989	2360752.05025	18-07-2017 13:30:23	0.000000	0.002237	0.765617	762.5	45.7	-1.098	0.01	3.423
VosburgPike071817_54	VP_Sec12	1245900.98937	2360583.45215	18-07-2017 13:33:47	0.000000	0.000000	0.467399	761.9	45.8	-0.734	-0.001	2.092
VosburgPike071817_55	VP_Sec12	1245751.25462	2360529.48633	18-07-2017 13:36:35	0.000000	0.001782	0.564786	760.0	45.9	0	0.008	2.535
VosburgPike071817_56	VP_Sec12	1245729.79104	2360412.66953	18-07-2017 13:39:09	0.000000	0.002892	0.241129	758.8	45.9	-0.001	0.013	1.084
VosburgPike071817_57	VP_Sec12	1245550.58585	2360340.74117	18-07-2017 13:42:10	0.000000	0.005778	0.365137	758.1	45.9	-0.003	0.026	1.643
VosburgPike071817_58	VP_Sec12	1245358.52257	2360381.47363	18-07-2017 13:45:35	0.000000	0.004010	0.406804	760.2	46.0	0	0.018	1.826
VosburgPike071817_59	VP_Sec12	1245332.30354	2360189.06463	18-07-2017 13:51:12	0.000000	0.002229	0.289164	761.0	46.1	-1.157	0.01	1.297
VosburgPike071817_60	VP_Sec12	1245473.70666	2360160.41716	18-07-2017 13:56:03	0.000000	0.001339	0.860635	761.4	46.0	-1.094	0.006	3.857
VosburgPike071817_61	VP_Sec12	1245531.68568	2359960.11571	18-07-2017 14:01:26	0.000000	0.001335	0.311579	759.9	46.2	0	0.006	1.4
VosburgPike071817_62	VP_Sec12	1245378.56722	2359950.29878	18-07-2017 14:05:02	0.000000	0.001780	0.870477	759.8	46.3	-0.774	0.008	3.913
VosburgPike071917_100	VP_Sec12	1245632.50038	2362260.24807	19-07-2017 12:34:01	0.000000	0.001351	0.082653	766.8	45.3	-1.057	0.006	0.367
VosburgPike071917_101	VP_Sec12	1245681.10328	2362301.92329	19-07-2017 12:37:00	4.861381	0.000901	0.720680	766.8	45.2	21.579	0.004	3.199
VosburgPike071917_102	VP_Sec12	1245714.4539	2362282.95178	19-07-2017 12:39:27	0.000000	0.000901	0.524378	766.2	45.0	0	0.004	2.328

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071917_103	VP_Sec12	1245732.61436	2362247.9186	19-07-2017 12:41:47	0.000000	0.002253	2.321237	766.2	44.9	0	0.01	10.302
VosburgPike071917_104	VP_Sec12	1245751.74457	2362251.92052	19-07-2017 12:44:04	0.000000	0.006541	1.188192	766.5	44.7	0	0.029	5.268
VosburgPike071917_105	VP_Sec12	1245750.51443	2362194.12019	19-07-2017 12:46:46	0.000000	0.004516	0.217200	766.8	44.5	-1.759	0.02	0.962
VosburgPike071917_106	VP_Sec12	1245721.33436	2362199.77967	19-07-2017 12:49:09	0.000000	0.004512	0.213432	766.0	44.4	0	0.02	0.946
VosburgPike071917_107	VP_Sec12	1245699.14248	2362172.52412	19-07-2017 12:51:30	0.000000	0.004962	0.157664	765.8	44.4	0	0.022	0.699
VosburgPike071917_108	VP_Sec12	1245692.67108	2362147.85987	19-07-2017 12:54:07	9.473751	0.002480	0.629329	765.8	44.5	42.015	0.011	2.791
VosburgPike071917_109	VP_Sec12	1245676.97324	2362125.13268	19-07-2017 12:58:15	399.528000	0.001127	4.553488	766.1	44.7	1772.282	0.005	20.199
VosburgPike071917_110	VP_Sec12	1245653.14318	2362135.90844	19-07-2017 13:02:09	704.688100	0.003604	3.704794	765.7	44.8	3128.571	0.016	16.448
VosburgPike071917_111	VP_Sec12	1245625.95353	2362089.06866	19-07-2017 13:05:24	0.000000	0.002027	3.209282	766.0	44.9	-1.055	0.009	14.247
VosburgPike071917_112	VP_Sec12	1245607.14277	2362094.51063	19-07-2017 13:08:05	10.826470	0.001799	1.140445	765.0	45.0	48.14	0.008	5.071
VosburgPike071917_113	VP_Sec12	1245611.32814	2362122.3085	19-07-2017 13:10:44	0.000000	0.000675	0.515765	765.6	45.2	-1.14	0.003	2.293
VosburgPike071917_114	VP_Sec12	1245627.57234	2362168.05052	19-07-2017 13:13:25	0.000000	0.000000	0.020234	765.7	45.4	0	-0.003	0.09
VosburgPike071917_115	VP_Sec12	1245658.38985	2362216.77055	19-07-2017 13:15:48	0.000000	0.002249	0.488857	766.1	45.5	-0.005	0.01	2.174
VosburgPike071917_116	VP_Sec12	1245634.42591	2362217.38887	19-07-2017 13:18:07	0.000000	0.000450	0.048549	766.0	45.6	-0.586	0.002	0.216
VosburgPike071917_117	VP_Sec12	1245605.27564	2362219.07553	19-07-2017 13:20:14	0.000000	0.002923	0.053512	766.5	45.7	0	0.013	0.238
VosburgPike071917_118	VP_Sec12	1245560.03543	2362204.5311	19-07-2017 13:22:33	0.000000	0.001124	0.327170	766.8	45.8	-0.004	0.005	1.455
VosburgPike071917_119	VP_Sec12	1245532.68886	2362231.63434	19-07-2017 13:25:02	0.000000	0.000000	0.858127	767.5	45.9	-3.496	-0.001	3.814
VosburgPike071917_120	VP_Sec12	1245430.5365	2362168.72542	19-07-2017 13:28:59	1.243115	0.000450	1.838929	767.2	46.0	5.529	0.002	8.179
VosburgPike071917_121	VP_Sec12	1245413.57736	2362199.60202	19-07-2017 13:31:10	0.000000	0.000000	0.090112	766.8	46.0	-1.918	-0.004	0.401
VosburgPike071917_122	VP_Sec12	1245392.70615	2362221.6549	19-07-2017 13:33:30	0.000000	0.000225	0.385640	767.5	45.9	-3.119	0.001	1.714
VosburgPike071917_123	VP_Sec12	1245272.0302	2362217.97888	19-07-2017 13:36:34	0.000000	0.004276	0.398118	767.7	45.9	0	0.019	1.769
VosburgPike071917_63	VP_Sec12	1245243.66739	2362098.91116	19-07-2017 10:35:36	0.000000	0.006529	0.293825	767.3	34.6	-2.687	0.028	1.26
VosburgPike071917_64	VP_Sec12	1245261.35234	2362049.36086	19-07-2017 10:38:36	0.000000	0.002557	0.333171	767.0	35.4	-0.003	0.011	1.433
VosburgPike071917_65	VP_Sec12	1245367.97585	2362022.45793	19-07-2017 10:41:59	0.000000	0.002317	0.218712	766.3	36.2	-0.004	0.01	0.944
VosburgPike071917_66	VP_Sec12	1245457.28539	2362047.68628	19-07-2017 10:44:59	0.000000	0.002774	0.124390	766.2	36.8	0	0.012	0.538
VosburgPike071917_67	VP_Sec12	1245546.26261	2362043.60773	19-07-2017 10:49:25	2.584108	0.003456	0.787560	765.3	37.5	11.215	0.015	3.418

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071917_68	VP_Sec12	1245456.45116	2361836.81303	19-07-2017 10:53:32	0.000000	0.001839	0.347510	764.6	38.0	-0.614	0.008	1.512
VosburgPike071917_69	VP_Sec12	1245685.56679	2361815.87441	19-07-2017 10:59:04	0.000000	0.010309	0.286827	764.1	38.8	-0.003	0.045	1.252
VosburgPike071917_70	VP_Sec12	1245872.10775	2361803.11502	19-07-2017 11:03:56	0.000000	0.000684	1.023099	762.2	39.5	0	0.003	4.487
VosburgPike071917_71	VP_Sec12	1245867.31552	2361971.4749	19-07-2017 11:11:08	0.000000	0.002503	1.360478	762.2	40.2	-1.241	0.011	5.98
VosburgPike071917_72	VP_Sec12	1245778.07259	2362002.28891	19-07-2017 11:14:27	0.000000	0.002509	0.547641	764.4	40.3	-0.001	0.011	2.401
VosburgPike071917_73	VP_Sec12	1245759.42785	2362013.71548	19-07-2017 11:17:14	0.000000	0.006612	0.737079	764.3	40.4	-0.575	0.029	3.233
VosburgPike071917_74	VP_Sec12	1245735.95328	2362021.00549	19-07-2017 11:19:57	0.333121	0.003422	0.923840	764.9	40.4	1.46	0.015	4.049
VosburgPike071917_75	VP_Sec12	1245676.48203	2362017.24641	19-07-2017 11:22:36	1.176118	0.009807	2.109349	764.8	40.5	5.157	0.043	9.249
VosburgPike071917_76	VP_Sec12	1245658.49618	2362025.1883	19-07-2017 11:25:09	0.000000	0.001140	0.477093	764.9	40.7	-0.438	0.005	2.093
VosburgPike071917_77	VP_Sec12	1245696.39554	2362064.36958	19-07-2017 11:27:34	6.951355	0.006383	2.293639	765.4	40.9	30.495	0.028	10.062
VosburgPike071917_78	VP_Sec12	1245771.69892	2362128.34919	19-07-2017 11:31:56	28129.590000	0.034384	69.752860	765.8	41.4	123534	0.151	306.327
VosburgPike071917_79	VP_Sec12	1245771.89729	2362139.16299	19-07-2017 11:35:41	10.037450	0.004097	1.932974	766.4	41.8	44.102	0.018	8.493
VosburgPike071917_80	VP_Sec12	1245777.29667	2362115.92789	19-07-2017 11:38:30	6.694050	0.000454	1.274862	766.2	42.2	29.457	0.002	5.61
VosburgPike071917_81	VP_Sec12	1245762.58136	2362076.14635	19-07-2017 11:45:03	0.000000	0.000000	1.229961	766.1	43.3	-2.119	-0.017	5.432
VosburgPike071917_82	VP_Sec12	1245790.01539	2362084.95517	19-07-2017 11:47:29	0.000000	0.000678	0.000000	765.7	43.7	-2.751	0.003	-0.366
VosburgPike071917_83	VP_Sec12	1245821.27283	2362106.462	19-07-2017 11:50:23	3.181838	0.002934	2.566778	765.6	44.1	14.097	0.013	11.372
VosburgPike071917_84	VP_Sec12	1245783.62191	2362176.18133	19-07-2017 11:53:03	0.000000	0.004061	0.339081	766.2	44.5	-5.221	0.018	1.503
VosburgPike071917_85	VP_Sec12	1245823.2934	2362166.6723	19-07-2017 11:56:12	18.811910	0.000000	2.605823	765.3	44.8	83.562	-0.006	11.575
VosburgPike071917_86	VP_Sec12	1245866.72347	2362146.73342	19-07-2017 11:58:47	19.008970	0.000450	1.194737	765.3	45.1	84.517	0.002	5.312
VosburgPike071917_87	VP_Sec12	1245863.17709	2362125.28277	19-07-2017 12:00:49	0.000000	0.001797	0.179017	765.0	45.4	-1.934	0.008	0.797
VosburgPike071917_88	VP_Sec12	1245954.88602	2362102.91378	19-07-2017 12:03:35	0.000000	0.002244	0.105488	764.9	45.6	-0.001	0.01	0.47
VosburgPike071917_89	VP_Sec12	1245949.75883	2362152.06592	19-07-2017 12:06:02	0.000000	0.000000	0.077154	764.6	45.7	0	-0.004	0.344
VosburgPike071917_90	VP_Sec12	1245964.5337	2362236.8315	19-07-2017 12:09:04	0.000000	0.001570	0.574811	764.8	45.8	0	0.007	2.563
VosburgPike071917_91	VP_Sec12	1245889.19717	2362240.53971	19-07-2017 12:11:44	0.000000	0.001121	0.453291	765.1	45.9	-0.001	0.005	2.021
VosburgPike071917_92	VP_Sec12	1245823.25169	2362259.28096	19-07-2017 12:14:33	0.000000	0.000448	0.419291	765.1	46.0	-0.004	0.002	1.87
VosburgPike071917_93	VP_Sec12	1245767.23238	2362284.65546	19-07-2017 12:17:25	0.000000	0.000673	1.251806	765.4	45.9	-13.595	0.003	5.579

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071917_94	VP_Sec12	1245725.21557	2362337.12005	19-07-2017 12:19:47	0.000000	0.001347	0.314127	765.7	45.8	-1.324	0.006	1.399
VosburgPike071917_95	VP_Sec12	1245697.56935	2362337.1176	19-07-2017 12:21:50	0.000000	0.006068	0.257534	766.1	45.7	-0.648	0.027	1.146
VosburgPike071917_96	VP_Sec12	1245630.44851	2362350.37211	19-07-2017 12:24:28	0.000000	0.000450	0.183964	766.2	45.5	0	0.002	0.818
VosburgPike071917_97	VP_Sec12	1245621.3626	2362307.68354	19-07-2017 12:26:49	2.534883	0.004277	2.110151	766.6	45.4	11.262	0.019	9.375
VosburgPike071917_98	VP_Sec12	1245590.4912	2362291.25238	19-07-2017 12:28:49	0.000000	0.000000	0.027018	766.6	45.3	-1.762	0	0.12
VosburgPike071917_99	VP_Sec12	1245587.7966	2362350.3749	19-07-2017 12:30:49	0.000000	0.000000	0.013740	766.9	45.3	-0.052	-0.001	0.061
VosburgPike062917_32	VP_Sec17	1240909.03233	2340952.17592	29-06-2017 10:26:39	0.000000	0.000000	0.328412	761.4	35.2	-1.565	-0.013	1.422
VosburgPike062917_33	VP_Sec17	1240900.70662	2340985.15259	29-06-2017 10:29:32	0.000000	0.003456	0.915665	761.6	36.0	-0.191	0.015	3.974
VosburgPike062917_34	VP_Sec17	1240854.75612	2340955.05917	29-06-2017 10:32:25	0.000000	0.005059	0.167176	761.8	36.7	0	0.022	0.727
VosburgPike062917_35	VP_Sec17	1240800.39924	2340954.06051	29-06-2017 10:35:27	0.000000	0.004131	0.204251	762.0	37.4	0	0.018	0.89
VosburgPike062917_36	VP_Sec17	1240795.0066	2340989.03694	29-06-2017 10:37:54	0.000000	0.001377	0.149864	763.0	37.8	0	0.006	0.653
VosburgPike062917_37	VP_Sec17	1240805.90938	2341041.8901	29-06-2017 10:40:23	0.000000	0.000917	0.277412	763.2	38.2	-0.884	0.004	1.21
VosburgPike062917_38	VP_Sec17	1240803.02511	2341091.32633	29-06-2017 10:42:54	0.000000	0.001374	0.156200	763.4	38.6	-1.956	0.006	0.682
VosburgPike062917_39	VP_Sec17	1240865.90447	2341089.71304	29-06-2017 10:46:07	13.025760	0.000457	6.059750	763.4	39.0	56.946	0.002	26.492
VosburgPike062917_40	VP_Sec17	1240872.60196	2341113.20297	29-06-2017 10:48:24	0.000000	0.000000	0.124764	763.6	39.4	0	0	0.546
VosburgPike062917_41	VP_Sec17	1240820.26876	2341116.42234	29-06-2017 10:52:19	0.000000	0.001369	0.051792	763.9	40.0	-0.111	0.006	0.227
VosburgPike062917_42	VP_Sec17	1240916.19129	2341124.80277	29-06-2017 10:58:17	0.000000	0.001365	0.097606	764.2	41.0	-0.001	0.006	0.429
VosburgPike062917_43	VP_Sec17	1240901.85802	2341093.83611	29-06-2017 11:01:03	0.000000	0.002951	0.226540	763.4	41.4	-0.001	0.013	0.998
VosburgPike062917_44	VP_Sec17	1240893.74651	2341040.31678	29-06-2017 11:05:55	0.000000	0.001360	0.116468	763.5	42.0	-1.259	0.006	0.514
VosburgPike062917_45	VP_Sec17	1240855.1416	2341051.32906	29-06-2017 11:08:47	11.707100	0.001132	5.581022	763.5	42.2	51.699	0.005	24.646
VosburgPike062917_46	VP_Sec17	1240849.02017	2341024.53519	29-06-2017 11:10:55	0.440354	0.007686	0.903313	762.9	42.5	1.948	0.034	3.996
VosburgPike062917_47	VP_Sec17	1240841.48828	2340992.60668	29-06-2017 11:13:28	0.983231	0.003162	2.766776	762.6	42.7	4.354	0.014	12.252
BasinCreek060817_72_dup	XX			08-06-2017 09:31:18	0.000000	0.000000		800.8	29.6	0	-0.002	
FloridaRiver062817_86z	XX			28-06-2017 11:51:09	0.000000		0.439410	782.8	35.6	0		1.853
FloridaRiver062817_95z	XX			28-06-2017 12:36:03		0.000000	0.307857	782.8	40.3		-0.072	1.318

APPENDIX C

VOLUMETRIC FLUX CALCULATIONS

Grid Volume Computations

Fri Dec 01 14:26:27 2017

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\Surfer\BC_CJ_CH4Revnotail.grd
Grid Size:	164 rows x 226 columns
X Minimum:	2299846.197
X Maximum:	2313358.453
X Spacing:	60.054471111111
Y Minimum:	1208374.426
Y Maximum:	1218134.499
Y Spacing:	59.877748466258
Z Minimum:	-217.41383005345
Z Maximum:	3356.3305663958

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	3164678.658918
Simpson's Rule:	4135526.5332997
Simpson's 3/8 Rule:	3445178.6946652

Cut & Fill Volumes

Positive Volume [Cut]:	8166016.8542487
Negative Volume [Fill]:	5001338.1953306
Net Volume [Cut-Fill]:	3164678.658918

Areas

Planar Areas

Positive Planar Area [Cut]:	8719465.8981825
Negative Planar Area [Fill]:	20001199.180839

Blanked Planar Area:	103159939.87567
Total Planar Area:	131880604.95469

Surface Areas

Positive Surface Area [Cut]:	8780770.6003413
Negative Surface Area [Fill]:	20005552.228671

Grid Volume Computations

Mon Dec 04 14:20:36 2017

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\Surfer\BC_CJ_CO2rev.grd
Grid Size:	164 rows x 226 columns
X Minimum:	2299846.197
X Maximum:	2313358.453
X Spacing:	60.054471111111
Y Minimum:	1208374.426
Y Maximum:	1218134.499
Y Spacing:	59.877748466258
Z Minimum:	-5.4400710322006
Z Maximum:	89.933587795407

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	1018836.3755252
Simpson's Rule:	1043939.7233442
Simpson's 3/8 Rule:	1030369.3697378

Cut & Fill Volumes

Positive Volume [Cut]:	1094025.7174457
Negative Volume [Fill]:	75189.341920555
Net Volume [Cut-Fill]:	1018836.3755252

Areas

Planar Areas

Positive Planar Area [Cut]:	25804051.261595
Negative Planar Area [Fill]:	2916613.8174267

Blanked Planar Area:	103159939.87567
Total Planar Area:	131880604.95469

Surface Areas

Positive Surface Area [Cut]:	25804203.721433
Negative Surface Area [Fill]:	2916618.5781858

Grid Volume Computations

Wed Nov 29 13:04:14 2017

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\Surfer\FR_CH4notail.grd
Grid Size:	51 rows x 100 columns
X Minimum:	2328255.072
X Maximum:	2333278.093
X Spacing:	50.737585858583
Y Minimum:	1233412.856
Y Maximum:	1236040.766
Y Spacing:	52.558200000003
Z Minimum:	-4.666045391148
Z Maximum:	55.275383901826

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	35465.257018299
Simpson's Rule:	32677.88938214
Simpson's 3/8 Rule:	29836.292311043

Cut & Fill Volumes

Positive Volume [Cut]:	76914.967660308
Negative Volume [Fill]:	41449.710642009
Net Volume [Cut-Fill]:	35465.257018299

Areas

Planar Areas

Positive Planar Area [Cut]:	850995.96983812
Negative Planar Area [Fill]:	2841017.2083951

Blanked Planar Area:	9508033.9378768
Total Planar Area:	13200047.11611

Surface Areas

Positive Surface Area [Cut]:	851035.62740081
Negative Surface Area [Fill]:	2841018.30392

Grid Volume Computations

Mon Dec 04 14:26:13 2017

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\Surfer\FR_CO2.grd
Grid Size:	51 rows x 100 columns
X Minimum:	2328255.072
X Maximum:	2333278.093
X Spacing:	50.737585858583
Y Minimum:	1233412.856
Y Maximum:	1236040.766
Y Spacing:	52.558200000003
Z Minimum:	-0.4495100969376
Z Maximum:	1.9243093980463

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	109359.40718298
Simpson's Rule:	109107.7294277
Simpson's 3/8 Rule:	109243.21995716

Cut & Fill Volumes

Positive Volume [Cut]:	114611.90988665
Negative Volume [Fill]:	5252.5027036706
Net Volume [Cut-Fill]:	109359.40718298

Areas

Planar Areas

Positive Planar Area [Cut]:	5209391.7983432
Negative Planar Area [Fill]:	605295.62320784

Blanked Planar Area:	7385359.6945589
Total Planar Area:	13200047.11611

Surface Areas

Positive Surface Area [Cut]:	5209392.0333099
Negative Surface Area [Fill]:	605295.64382637

Grid Volume Computations

Wed Nov 29 13:05:04 2017

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\Surfer\FR_Sec18_CH4notail.grd
Grid Size:	81 rows x 100 columns
X Minimum:	2335006.189
X Maximum:	2335349.68
X Spacing:	3.46960606061
Y Minimum:	1237259.563
Y Maximum:	1237555.39
Y Spacing:	3.6978374999977
Z Minimum:	-0.060285444182657
Z Maximum:	0.77046693612398

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	140.5595663935
Simpson's Rule:	141.48090158636
Simpson's 3/8 Rule:	140.69906295868

Cut & Fill Volumes

Positive Volume [Cut]:	152.99069988723
Negative Volume [Fill]:	12.431133493731
Net Volume [Cut-Fill]:	140.5595663935

Areas

Planar Areas

Positive Planar Area [Cut]:	24960.841654923
Negative Planar Area [Fill]:	20348.442490213

Blanked Planar Area:	56304.627911915
Total Planar Area:	101613.91205705

Surface Areas

Positive Surface Area [Cut]:	24960.865170962
Negative Surface Area [Fill]:	20348.442625213

Grid Volume Computations

Mon Dec 04 14:27:15 2017

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\Surfer\FR_Sec18_CO2.grd
Grid Size:	16 rows x 18 columns
X Minimum:	2335006.189
X Maximum:	2335349.68
X Spacing:	20.205352941199
Y Minimum:	1237259.563
Y Maximum:	1237555.39
Y Spacing:	19.721799999988
Z Minimum:	0.015721815557735
Z Maximum:	0.75704091788102

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	1379.0506595636
Simpson's Rule:	1383.3204872561
Simpson's 3/8 Rule:	1376.8411580534

Cut & Fill Volumes

Positive Volume [Cut]:	1379.0506595636
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	1379.0506595636

Areas

Planar Areas

Positive Planar Area [Cut]:	83084.316329001
Negative Planar Area [Fill]:	0

Blanked Planar Area:	18529.595728051
Total Planar Area:	101613.91205705

Surface Areas

Positive Surface Area [Cut]:	83084.322462158
Negative Surface Area [Fill]:	0

Grid Volume Computations

Wed Nov 29 13:08:42 2017

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\Surfer\TC2PR_CH4notail.grd
Grid Size:	111 rows x 322 columns
X Minimum:	2370447.846
X Maximum:	2389726.723
X Spacing:	60.058806853584
Y Minimum:	1237832.588
Y Maximum:	1244427.429
Y Spacing:	59.9531
Z Minimum:	-64.646687973906
Z Maximum:	425.82352616234

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	1697723.1930202
Simpson's Rule:	1856236.7377698
Simpson's 3/8 Rule:	1701951.9853061

Cut & Fill Volumes

Positive Volume [Cut]:	2660978.3677953
Negative Volume [Fill]:	963255.17477512
Net Volume [Cut-Fill]:	1697723.1930202

Areas

Planar Areas

Positive Planar Area [Cut]:	5194297.1666254
Negative Planar Area [Fill]:	10755055.101107

Blanked Planar Area:	111191776.20583
Total Planar Area:	127141128.47356

Surface Areas

Positive Surface Area [Cut]:	5199976.4280011
Negative Surface Area [Fill]:	10755325.736463

Grid Volume Computations

Mon Dec 04 14:29:16 2017

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\Surfer\TC2PR_CO2.grd
Grid Size:	111 rows x 322 columns
X Minimum:	2370447.846
X Maximum:	2389726.723
X Spacing:	60.058806853584
Y Minimum:	1237832.588
Y Maximum:	1244427.429
Y Spacing:	59.9531
Z Minimum:	-1.0110509279572
Z Maximum:	9.6482752548973

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	890666.49161634
Simpson's Rule:	889197.34288995
Simpson's 3/8 Rule:	891827.37434173

Cut & Fill Volumes

Positive Volume [Cut]:	919190.73182816
Negative Volume [Fill]:	28524.24021182
Net Volume [Cut-Fill]:	890666.49161634

Areas

Planar Areas

Positive Planar Area [Cut]:	25491508.098763
Negative Planar Area [Fill]:	1933312.2076335

Blanked Planar Area:	99716308.167163
Total Planar Area:	127141128.47356

Surface Areas

Positive Surface Area [Cut]:	25491511.430234
Negative Surface Area [Fill]:	1933312.3607273

Grid Volume Computations

Wed Nov 29 13:06:01 2017

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\Surfer\VP_CH4notail.grd
Grid Size:	49 rows x 100 columns
X Minimum:	2349027.418
X Maximum:	2353495.479
X Spacing:	45.131929292927
Y Minimum:	1242449.754
Y Maximum:	1244705.227
Y Spacing:	46.989020833333
Z Minimum:	-4.4095262443368
Z Maximum:	94.218085722215

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	529278.76240539
Simpson's Rule:	532386.95812866
Simpson's 3/8 Rule:	533827.45120793

Cut & Fill Volumes

Positive Volume [Cut]:	584061.24106017
Negative Volume [Fill]:	54782.478654784
Net Volume [Cut-Fill]:	529278.76240539

Areas

Planar Areas

Positive Planar Area [Cut]:	1135717.4692544
Negative Planar Area [Fill]:	1279765.7145848

Blanked Planar Area:	7662107.7640132
Total Planar Area:	10077590.947852

Surface Areas

Positive Surface Area [Cut]:	1135910.3659615
Negative Surface Area [Fill]:	1279767.337573

Grid Volume Computations

Mon Dec 04 14:29:59 2017

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\Surfer\VP_CO2.grd
Grid Size:	49 rows x 100 columns
X Minimum:	2349027.418
X Maximum:	2353495.479
X Spacing:	45.131929292927
Y Minimum:	1242449.754
Y Maximum:	1244705.227
Y Spacing:	46.989020833333
Z Minimum:	-1.5934092391025
Z Maximum:	5.5121488507599

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	159296.47230114
Simpson's Rule:	159669.80445531
Simpson's 3/8 Rule:	159218.1979021

Cut & Fill Volumes

Positive Volume [Cut]:	170542.92336645
Negative Volume [Fill]:	11246.451065315
Net Volume [Cut-Fill]:	159296.47230114

Areas

Planar Areas

Positive Planar Area [Cut]:	4396523.7067615
Negative Planar Area [Fill]:	570167.79152775

Blanked Planar Area:	5110899.4495632
Total Planar Area:	10077590.947852

Surface Areas

Positive Surface Area [Cut]:	4396524.5231519
Negative Surface Area [Fill]:	570167.96030297

Grid Volume Computations

Wed Nov 29 13:06:57 2017

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\Surfer\VP_Sec12_CH4notail.grd
Grid Size:	34 rows x 100 columns
X Minimum:	2358632.647
X Maximum:	2362450.375
X Spacing:	38.56290909091
Y Minimum:	1245026.793
Y Maximum:	1246434.801
Y Spacing:	42.666909090906
Z Minimum:	-394.97777514342
Z Maximum:	6262.5706880745

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	2400536.444869
Simpson's Rule:	2883505.3483291
Simpson's 3/8 Rule:	2568324.3488472

Cut & Fill Volumes

Positive Volume [Cut]:	3374342.3732241
Negative Volume [Fill]:	973805.92835511
Net Volume [Cut-Fill]:	2400536.444869

Areas

Planar Areas

Positive Planar Area [Cut]:	901498.79575259
Negative Planar Area [Fill]:	1873401.0743919

Blanked Planar Area:	2600491.6956794
Total Planar Area:	5375391.5658238

Surface Areas

Positive Surface Area [Cut]:	1028941.188147
Negative Surface Area [Fill]:	1882694.2485702

Grid Volume Computations

Mon Dec 04 14:30:45 2017

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\Surfer\VP_Sec12_CO2.grd
Grid Size:	34 rows x 100 columns
X Minimum:	2358632.647
X Maximum:	2362450.375
X Spacing:	38.56290909091
Y Minimum:	1245026.793
Y Maximum:	1246434.801
Y Spacing:	42.666909090906
Z Minimum:	-3.0678931920717
Z Maximum:	16.503816783074

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	215485.98041335
Simpson's Rule:	217147.42389475
Simpson's 3/8 Rule:	215455.43768073

Cut & Fill Volumes

Positive Volume [Cut]:	217560.47317891
Negative Volume [Fill]:	2074.4927655589
Net Volume [Cut-Fill]:	215485.98041335

Areas

Planar Areas

Positive Planar Area [Cut]:	4466485.0037386
Negative Planar Area [Fill]:	77177.013103273

Blanked Planar Area:	831729.54898193
Total Planar Area:	5375391.5658238

Surface Areas

Positive Surface Area [Cut]:	4466490.4797596
Negative Surface Area [Fill]:	77177.267534213

Grid Volume Computations

Wed Nov 29 13:07:42 2017

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\Surfer\VP_Sec17_CH4notail.grd
Grid Size:	70 rows x 100 columns
X Minimum:	2340902.175
X Maximum:	2341174.803
X Spacing:	2.7538181818184
Y Minimum:	1240745.006
Y Maximum:	1240966.192
Y Spacing:	3.2055942028984
Z Minimum:	-1.0671162290095
Z Maximum:	12.649520197492

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	4110.9603657901
Simpson's Rule:	4110.6938320669
Simpson's 3/8 Rule:	4107.7518295146

Cut & Fill Volumes

Positive Volume [Cut]:	4205.6675741731
Negative Volume [Fill]:	94.707208383038
Net Volume [Cut-Fill]:	4110.9603657901

Areas

Planar Areas

Positive Planar Area [Cut]:	15751.192772959
Negative Planar Area [Fill]:	3638.6824632846

Blanked Planar Area:	40911.621571759
Total Planar Area:	60301.496808002

Surface Areas

Positive Surface Area [Cut]:	15753.968018975
Negative Surface Area [Fill]:	3638.7153970475

Grid Volume Computations

Mon Dec 04 14:31:29 2017

Upper Surface

Grid File Name:	C:\LTE\LaPlataMethane\Surfer\VP_Sec17_CO2.grd
Grid Size:	12 rows x 15 columns
X Minimum:	2340902.175
X Maximum:	2341174.803
X Spacing:	19.47342857143
Y Minimum:	1240745.006
Y Maximum:	1240966.192
Y Spacing:	20.107818181817
Z Minimum:	-1.4485767310727
Z Maximum:	5.4234644681608

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	1897.9262090308
Simpson's Rule:	1860.6394187203
Simpson's 3/8 Rule:	1886.3417125326

Cut & Fill Volumes

Positive Volume [Cut]:	2876.8784764957
Negative Volume [Fill]:	978.9522674649
Net Volume [Cut-Fill]:	1897.9262090308

Areas

Planar Areas

Positive Planar Area [Cut]:	26239.117915776
Negative Planar Area [Fill]:	20357.493254044

Blanked Planar Area:	13704.885638182
Total Planar Area:	60301.496808002

Surface Areas

Positive Surface Area [Cut]:	26239.64234686
Negative Surface Area [Fill]:	20357.53796604

APPENDIX D

SUBSURFACE SOIL GAS MEASUREMENT DATA

APPENDIX D - SUBSURFACE GAS MEASUREMENTS

Suspect Area	Sub CH_4	Sub O_2	Sub H_2S	Sub CO	GPS_Date	GPS_Time	GNSS_Heigh	Northing	Easting	Location
1	0	20.9	0	0	8/18/2017	10:11:29am	6981.940776	1221000	2315866	T34N R9W SEC33
1	0	20.9	0	0	8/18/2017	10:16:44am	6992.995072	1221136	2315902	T34N R9W SEC33
1	0	20.9	0	0	8/18/2017	10:22:04am	7011.845165	1221059	2315996	T34N R9W SEC33
1	0	20.9	0	0	8/18/2017	10:27:17am	7075.823722	1221154	2316144	T34N R9W SEC33
1	0	20.9	0	0	8/18/2017	10:32:58am	7131.936911	1221195	2316340	T34N R9W SEC34
1	0	20.9	0	0	8/18/2017	10:38:32am	7169.934495	1221274	2316522	T34N R9W SEC34
1	0	20.9	0	0	8/18/2017	10:42:50am	7203.2851	1221378	2316671	T34N R9W SEC34
1	0	20.9	0	0	8/18/2017	10:47:44am	7238.306668	1221511	2316794	T35N R9W SEC34
1	0	20.9	0	0	8/18/2017	10:55:56am	7285.670022	1221644	2316904	T35N R9W SEC34
1	0	20.9	0	0	8/18/2017	11:02:10am	7282.705325	1221789	2317033	T35N R9W SEC34
1	0	20.9	0	0	8/18/2017	11:21:54am	7230.866157	1221992	2317077	T35N R9W SEC34
1	0	20.9	0	0	8/18/2017	11:25:35am	7215.386018	1221936	2316935	T35N R9W SEC34
1	0	20.9	0	0	8/18/2017	11:30:46am	7208.687935	1221800	2316855	T35N R9W SEC34
1	0	20.9	0	0	8/18/2017	11:34:20am	7184.838034	1221690	2316738	T35N R9W SEC34
1	0	20.9	0	0	8/18/2017	11:39:33am	7146.849126	1221545	2316650	T35N R9W SEC34
1	0	20.9	0	0	8/18/2017	11:46:17am	7134.001636	1221433	2316561	T35N R9W SEC34
1	0	20.9	0	0	8/18/2017	11:51:13am	7106.834003	1221351	2316376	T34N R9W SEC34
1	0	20.9	0	0	8/18/2017	11:55:57am	7077.351537	1221286	2316220	T34N R9W SEC33
1	0	20.9	0	0	8/18/2017	12:01:00pm	7025.032588	1221207	2316059	T34N R9W SEC33
1	0	20.9	0	0	8/18/2017	12:06:58pm	7029.173852	1221316	2316017	T34N R9W SEC33
1	0	20.9	0	0	8/18/2017	12:11:51pm	7026.169214	1221433	2316171	T35N R9W SEC33
1	0	20.9	0	0	8/18/2017	12:17:49pm	7082.749925	1221493	2316349	T35N R9W SEC34
1	0	20.9	0	0	8/18/2017	12:25:30pm	7137.420858	1221624	2316461	T35N R9W SEC34
1	0	20.9	0	0	8/18/2017	12:28:39pm	7141.384571	1221735	2316567	T35N R9W SEC34
1	0	20.9	0	0	8/18/2017	12:31:17pm	7156.627198	1221868	2316671	T35N R9W SEC34
1	0	20.9	0	0	8/18/2017	12:55:51pm	7166.513623	1221971	2316771	T35N R9W SEC34
10	640000	19.4	0	0	8/21/2017	10:12:03am	7194.209848	1233966	2329326	T35N R9W SEC24
10	2500	20.9	0	0	8/21/2017	10:21:17am	7186.615968	1233990	2329349	T35N R9W SEC24
10	0	20.9	0	0	8/21/2017	10:36:31am	7191.595308	1233990	2329331	T35N R9W SEC24
10	0	20.9	0	0	8/21/2017	10:39:03am	7197.871369	1234009	2329353	T35N R9W SEC24
10	340000	20.9	0	13	8/21/2017	10:40:40am	7197.546158	1234021	2329385	T35N R9W SEC24
10	6000	0	0	0	8/21/2017	10:43:04am	7202.569804	1234044	2329408	T35N R9W SEC24
10	0	20.9	0	0	8/21/2017	10:46:03am	7190.382109	1234071	2329469	T35N R9W SEC24
10	0	20.9	0	0	8/21/2017	10:47:31am	7208.828055	1234098	2329423	T35N R9W SEC24
10	0	20.9	0	0	8/21/2017	10:49:39am	7208.731403	1234085	2329386	T35N R9W SEC24
10	0	20.9	0	0	8/21/2017	10:51:29am	7210.262456	1234055	2329322	T35N R9W SEC24
10	0	20.9	0	0	8/21/2017	10:52:38am	7197.197563	1234022	2329278	T35N R9W SEC24
10	0	20.9	0	0	8/21/2017	10:54:24am	7189.26292	1233984	2329265	T35N R9W SEC24
10	0	20.9	0	0	8/21/2017	10:55:44am	7189.126838	1233956	2329283	T35N R9W SEC24
10	0	20.9	0	0	8/21/2017	10:56:51am	7188.845505	1233938	2329304	T35N R9W SEC24
10	0	20.9	0	0	8/21/2017	10:58:29am	7178.017382	1233951	2329354	T35N R9W SEC24
10	0	20.9	0	0	8/21/2017	10:59:55am	7182.701343	1233976	2329402	T35N R9W SEC24
10	0	20.9	0	0	8/21/2017	11:01:19am	7185.759655	1234001	2329425	T35N R9W SEC24
10	0	20.9	0	0	8/21/2017	11:02:15am	7186.36717	1234019	2329437	T35N R9W SEC24
10	0	20.9	0	0	8/21/2017	11:03:09am	7189.391515	1234043	2329445	T35N R9W SEC24
2	0	20.9	0	0	8/18/2017	01:06:21pm	7072.787128	1222139	2316170	T35N R9W SEC33
2	0	20.9	0	0	8/18/2017	01:09:40pm	7034.120211	1222219	2316126	T35N R9W SEC33
2	0	20.9	0	0	8/18/2017	01:12:36pm	7040.446783	1222155	2316094	T35N R9W SEC33
3	0	20.9	0	0	8/20/2017	11:02:16am	7256.916821	1223671	2317393	T35N R9W SEC34
3	0	20.9	0	0	8/20/2017	11:04:41am	7280.216009	1223651	2317310	T35N R9W SEC34
3	0	20.9	0	0	8/20/2017	11:09:22am	7322.007608	1223609	2317241	T35N R9W SEC34
3	0	20.9	0	0	8/20/2017	11:13:38am	7341.055302	1223501	2317189	T35N R9W SEC34
3	0	20.9	0	0	8/20/2017	11:17:40am	7295.20251	1223518	2317295	T35N R9W SEC34
3	0	20.9	0	0	8/20/2017	11:20:38am	7247.534171	1223554	2317375	T35N R9W SEC34
4	0	20.9	0	0	8/20/2017	10:36:58am	7377.866791	1224146	2317719	T35N R9W SEC34
4	0	20.9	0	0	8/20/2017	10:40:11am	7347.257836	1224061	2317691	T35N R9W SEC34
4	0	20.9	0	0	8/20/2017	10:44:03am	7320.817869	1224025	2317784	T35N R9W SEC34
4	0	20.9	0	0	8/20/2017	10:47:07am	7315.934778	1223980	2317665	T35N R9W SEC34
4	0	20.9	0	0	8/20/2017	10:49:47am	7297.819913	1223948	2317755	T35N R9W SEC34
4	0	20.9	0	0	8/20/2017	10:52:39am	7281.889431	1223880	2317707	T35N R9W SEC34
4	0	20.9	0	0	8/20/2017	10:54:39am	7278.519504	1223864	2317645	T35N R9W SEC34
5	0	20.9	0	0	8/20/2017	12:05:35pm	7251.569794	1226558	2320445	T35N R9W SEC27
5	0	20.9	0	0	8/20/2017	12:10:06pm	7302.369669	1226688	2320396	T35N R9W SEC27
5	0	20.9	0	0	8/20/2017	12:14:45pm	7342.940401	1226806	2320312	T35N R9W SEC27
5	0	20.9	0	0	8/20/2017	12:18:54pm	7387.285031	1226927	2320231	T35N R9W SEC27
5	0	20.9	0	0	8/20/2017	12:22:34pm	7343.199802	1226988	2320336	T35N R9W SEC27
5	0	20.9	0	0	8/20/2017	12:25:47pm	7303.492849	1226877	2320388	T35N R9W SEC27
5	0	20.9	0	0	8/20/2017	12:29:02pm	7288.133822	1227089	2320435	T35N R9W SEC27
5	0	20.9	0	0	8/20/2017	12:32:10pm	7287.869257	1226931	2320497	T35N R9W SEC27
5	0	20.9	0	0	8/20/2017	12:35:12pm	7275.244629	1226761	2320471	T35N R9W SEC27
5	0	20.9	0	0	8/20/2017	12:38:55pm	7284.606761	1226776	2320578	T35N R9W SEC27
5	0	20.9	0	0	8/20/2017	12:41:09pm	7275.517836	1226634	2320678	T35N R9W SEC27
5	0	20.9	0	0	8/20/2017	12:43:27pm	7252.847252	1226561	2320802	T35N R9W SEC27
5	0	21	0	0	8/20/2017	12:46:01pm	7234.69959	1226406	2320700	T35N R9W SEC27

APPENDIX D - SUBSURFACE GAS MEASUREMENTS

Suspect Area	Sub CH_4	Sub O_2	Sub H_2S	Sub CO	GPS_Date	GPS_Time	GNSS_Heigh	Northing	Easting	Location
5	0	20.9	0	0	8/20/2017	12:49:09pm	7226.09723	1226466	2320563	T35N R9W SEC27
5	0	20.9	0	0	8/20/2017	12:51:46pm	7241.378694	1226623	2320563	T35N R9W SEC27
6	0	20.9	0	0	8/21/2017	12:29:53pm	7525.586391	1231791	2325785	T35N R9W SEC23
6	0	20.9	0	0	8/21/2017	12:35:05pm	7505.693496	1231706	2325803	T35N R9W SEC23
6	0	20.9	0	0	8/21/2017	12:37:51pm	7468.355981	1231657	2325852	T35N R9W SEC26
7	0	20.9	0	0	8/21/2017	12:12:32pm	7571.151165	1232489	2326262	T35N R9W SEC23
7	0	20.9	0	0	8/21/2017	12:15:33pm	7557.364539	1232398	2326275	T35N R9W SEC23
7	0	20.9	0	0	8/21/2017	12:17:28pm	7548.037056	1232276	2326288	T35N R9W SEC23
8	0	20.9	0	0	8/21/2017	11:34:47am	7608.442016	1233195	2327387	T35N R9W SEC24
8	0	20.9	0	0	8/21/2017	11:38:31am	7622.749779	1233140	2327253	T35N R9W SEC24
8	0	20.9	0	0	8/21/2017	11:41:10am	7590.533265	1233040	2327138	T35N R9W SEC24
8	0	20.9	0	0	8/21/2017	11:44:02am	7645.368505	1233121	2327054	T35N R9W SEC24
8	0	20.9	0	0	8/21/2017	11:48:17am	7576.634512	1232990	2327030	T35N R9W SEC24
8	0	20.9	0	0	8/21/2017	11:53:33am	7524.82246	1232899	2327089	T35N R9W SEC24
9	0	20.9	0	0	8/21/2017	01:32:55pm	7290.128086	1233689	2328673	T35N R9W SEC24
9	25000	20.9	0	0	8/21/2017	01:36:28pm	7288.837903	1233695	2328682	T35N R9W SEC24
9	110000	20.9	0	0	8/21/2017	01:38:13pm	7284.624082	1233703	2328701	T35N R9W SEC24
9	360000	0	0	0	8/21/2017	01:40:42pm	7281.953463	1233709	2328719	T35N R9W SEC24
9	360000	0	0	0	8/21/2017	01:42:25pm	7276.595608	1233718	2328747	T35N R9W SEC24
9	540000	20.9	0	0	8/21/2017	01:43:51pm	7269.646835	1233732	2328782	T35N R9W SEC24
9	0	20.9	0	0	8/21/2017	01:46:45pm	7264.385014	1233735	2328836	T35N R9W SEC24
9	0	20.9	0	0	8/21/2017	01:48:31pm	7263.155672	1233758	2328782	T35N R9W SEC24
9	0	20.9	0	0	8/21/2017	01:49:37pm	7264.332717	1233751	2328745	T35N R9W SEC24
9	0	20.9	0	0	8/21/2017	01:50:54pm	7275.894954	1233731	2328698	T35N R9W SEC24
9	0	20.9	0	0	8/21/2017	01:52:10pm	7285.835753	1233708	2328656	T35N R9W SEC24
9	0	20.9	0	0	8/21/2017	01:54:28pm	7309.705632	1233657	2328700	T35N R9W SEC24
9	0	20.9	0	0	8/21/2017	01:55:32pm	7300.230995	1233675	2328744	T35N R9W SEC24
9	0	20.9	0	0	8/21/2017	01:56:43pm	7285.276079	1233693	2328803	T35N R9W SEC24

APPENDIX E

LABORATORY ANALYTICAL REPORTS

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

19 May 2017

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 05/05/17 13:30.
If you need any further assistance, please feel free to contact me.

Sincerely,

Debbie Zufelt
Reports Manager

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

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

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

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

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: 005217001	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	05/19/17 13:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Hoier Spring	1705059-01	Water	05/05/17 09:25	05/05/17 13:30
Darwin Rather Spring #1	1705059-02	Water	05/05/17 10:55	05/05/17 13:30
Animas River Spring	1705059-03	Water	05/05/17 12:45	05/05/17 13:30

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: 005217001	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	05/19/17 13:33

Hoier Spring

1705059-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate as CaCO3*	**119**	10.0		mg/L	1	05/18/17	2320 B		LLG
Alkalinity, Carbonate as CaCO3*	<10.0	10.0		mg/L	1	05/18/17	2320 B		LLG
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0		mg/L	1	05/18/17	2320 B		LLG
Alkalinity, Total as CaCO3*	**119**	10.0		mg/L	1	05/18/17	2320 B		LLG
Bromide	<0.100	0.100	0.0251	mg/L	1	05/11/17	EPA300.0		JDA
Chloride*	**1.41**	1.00	0.143	mg/L	1	05/15/17	EPA300.0		JDA
Fluoride*	**0.204**	0.100	0.0160	mg/L	1	05/15/17	EPA300.0		JDA
Total Dissolved Solids*	**175**	10.0		mg/L	1	05/10/17	EPA160.1		LLG
Sulfate*	**15.5**	1.00	0.156	mg/L	1	05/15/17	EPA300.0		JDA
Dissolved Metals by ICP									
Calcium*	**25.4**	0.100	0.036	mg/L	1	05/09/17	EPA200.7		JDA
Iron*	**0.121**	0.050	0.014	mg/L	1	05/09/17	EPA200.7		JDA
Magnesium*	**12.3**	0.100	0.026	mg/L	1	05/09/17	EPA200.7		JDA
Potassium*	**1.11**	1.00	0.094	mg/L	1	05/09/17	EPA200.7		JDA
Sodium*	**11.8**	1.00	0.087	mg/L	1	05/09/17	EPA200.7		JDA

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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

www.GreenAnalytical.com

LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: 005217001	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	05/19/17 13:33

Darwin Rather Spring #1

1705059-02 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate as CaCO3*	**189**	10.0		mg/L	1	05/18/17	2320 B		LLG
Alkalinity, Carbonate as CaCO3*	<10.0	10.0		mg/L	1	05/18/17	2320 B		LLG
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0		mg/L	1	05/18/17	2320 B		LLG
Alkalinity, Total as CaCO3*	**189**	10.0		mg/L	1	05/18/17	2320 B		LLG
Bromide	<0.100	0.100	0.0251	mg/L	1	05/11/17	EPA300.0		JDA
Chloride*	**13.1**	1.00	0.143	mg/L	1	05/15/17	EPA300.0		JDA
Fluoride*	**0.133**	0.100	0.0160	mg/L	1	05/15/17	EPA300.0		JDA
Total Dissolved Solids*	**250**	10.0		mg/L	1	05/10/17	EPA160.1		LLG
Sulfate*	**28.8**	1.00	0.156	mg/L	1	05/15/17	EPA300.0		JDA
Dissolved Metals by ICP									
Calcium*	**58.0**	0.100	0.036	mg/L	1	05/09/17	EPA200.7		JDA
Iron*	<0.050	0.050	0.014	mg/L	1	05/09/17	EPA200.7		JDA
Magnesium*	**17.2**	0.100	0.026	mg/L	1	05/09/17	EPA200.7		JDA
Potassium*	**1.21**	1.00	0.094	mg/L	1	05/09/17	EPA200.7		JDA
Sodium*	**7.83**	1.00	0.087	mg/L	1	05/09/17	EPA200.7		JDA

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: 005217001	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	05/19/17 13:33

Animas River Spring

1705059-03 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate as CaCO3*	**525**	10.0		mg/L	5	05/18/17	2320 B		LLG
Alkalinity, Carbonate as CaCO3*	<10.0	10.0		mg/L	5	05/18/17	2320 B		LLG
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0		mg/L	5	05/18/17	2320 B		LLG
Alkalinity, Total as CaCO3*	**525**	10.0		mg/L	5	05/18/17	2320 B		LLG
Bromide	**0.347**	0.100	0.0251	mg/L	1	05/11/17	EPA300.0		JDA
Chloride*	**61.1**	5.00	0.717	mg/L	5	05/15/17	EPA300.0		JDA
Fluoride*	<0.500	0.500	0.0798	mg/L	5	05/15/17	EPA300.0		JDA
Total Dissolved Solids*	**2800**	10.0		mg/L	1	05/10/17	EPA160.1		LLG
Sulfate*	**1270**	50.0	7.82	mg/L	50	05/16/17	EPA300.0		JDA
Dissolved Metals by ICP									
Calcium*	**273**	0.100	0.036	mg/L	1	05/09/17	EPA200.7		JDA
Iron*	<0.050	0.050	0.014	mg/L	1	05/09/17	EPA200.7		JDA
Magnesium*	**205**	0.100	0.026	mg/L	1	05/09/17	EPA200.7		JDA
Potassium*	**5.21**	1.00	0.094	mg/L	1	05/09/17	EPA200.7		JDA
Sodium*	**262**	1.00	0.087	mg/L	1	05/09/17	EPA200.7		JDA

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: 005217001	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	05/19/17 13:33

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B705071 - General Prep - Wet Chem										
Blank (B705071-BLK1)				Prepared: 05/09/17 Analyzed: 05/10/17						
Bromide	ND	0.100	mg/L							
LCS (B705071-BS1)				Prepared: 05/09/17 Analyzed: 05/10/17						
Bromide	2.57	0.100	mg/L	2.50		103	90-110			
LCS Dup (B705071-BSD1)				Prepared: 05/09/17 Analyzed: 05/10/17						
Bromide	2.55	0.100	mg/L	2.50		102	90-110	0.586	20	
Batch B705082 - General Prep - Wet Chem										
Blank (B705082-BLK1)				Prepared & Analyzed: 05/10/17						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (B705082-DUP1)				**Source: 1705034-01**	Prepared & Analyzed: 05/10/17					
Total Dissolved Solids	380	10.0	mg/L		385			1.31	20	
Reference (B705082-SRM1)				Prepared: 05/10/17 Analyzed: 05/12/17						
Total Dissolved Solids	405	10.0	mg/L	390		104	85-115			
Batch B705115 - General Prep - Wet Chem										
Blank (B705115-BLK1)				Prepared & Analyzed: 05/15/17						
Chloride	ND	1.00	mg/L							
Fluoride	ND	0.100	mg/L							
Sulfate	ND	1.00	mg/L							
LCS (B705115-BS1)				Prepared & Analyzed: 05/15/17						
Chloride	22.8	1.00	mg/L	25.0		91.4	90-110			
Fluoride	2.36	0.100	mg/L	2.50		94.5	90-110			
Sulfate	23.6	1.00	mg/L	25.0		94.3	90-110			
LCS Dup (B705115-BSD1)				Prepared & Analyzed: 05/15/17						
Chloride	23.3	1.00	mg/L	25.0		93.1	90-110	1.93	20	
Fluoride	2.40	0.100	mg/L	2.50		95.9	90-110	1.47	20	
Sulfate	24.0	1.00	mg/L	25.0		96.0	90-110	1.74	20	
Batch B705135 - General Prep - Wet Chem										
Blank (B705135-BLK1)				Prepared: 05/17/17 Analyzed: 05/18/17						
Alkalinity, Total as CaCO3	ND	10.0	mg/L							
LCS (B705135-BS1)				Prepared: 05/17/17 Analyzed: 05/18/17						
Alkalinity, Total as CaCO3	106	10.0	mg/L	100		106	85-115			

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: 005217001	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	05/19/17 13:33

General Chemistry - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B705135 - General Prep - Wet Chem (Continued)										
LCS Dup (B705135-BSD1)			Prepared: 05/17/17 Analyzed: 05/18/17							
Alkalinity, Total as CaCO3	107	10.0	mg/L	100		107	85-115	0.939	20	

Dissolved Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B705073 - Diss. 200.7/200.8										
Blank (B705073-BLK1)			Prepared & Analyzed: 05/09/17							
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 (B705073-BS1)			Prepared & Analyzed: 05/09/17							
Calcium	4.80	0.100	mg/L	5.00		96.1	85-115			
Iron	4.84	0.050	mg/L	5.00		96.8	85-115			
Magnesium	24.5	0.100	mg/L	25.0		98.1	85-115			
Potassium	9.74	1.00	mg/L	10.0		97.4	85-115			
Sodium	7.89	1.00	mg/L	8.10		97.4	85-115			
LCS Dup (B705073-BSD1)			Prepared & Analyzed: 05/09/17							
Calcium	4.99	0.100	mg/L	5.00		99.7	85-115	3.70	20	
Iron	4.85	0.050	mg/L	5.00		97.0	85-115	0.142	20	
Magnesium	25.1	0.100	mg/L	25.0		101	85-115	2.40	20	
Potassium	10.2	1.00	mg/L	10.0		102	85-115	4.26	20	
Sodium	8.09	1.00	mg/L	8.10		99.8	85-115	2.48	20	

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: 005217001	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	05/19/17 13:33

Notes and Definitions

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

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

GREEN ANALYTICAL LABORATORIES
(970) 247-4220
Fax: (970) 247-4227
service@greenanalytical.com or dzufelt@greenanalytical.com
75 Suttle St Durango, CO 81303

Company Name(If Applicable):	LT Environmental
Contact Person:	Devin Hencmann
Address:	848 E. 2nd Ave
City:	Durango **State:** CO **Zip:** 81301
Phone #:	970-385-1096
Email:	~~jadams~~ dhencmann@ltenv.com
Project Name(optional):	La Plata Springs
Project Number(optional):	005217001
Sampler Name (Print):	Josh Adams + Mike Wicker

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

For Lab Use	Sample Name or Location	Collected Date	Collected Time	Matrix (check one) GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	DRINKING WATER	OTHER :	# of containers No preservation (general)	HNO_3	HCl	H_2SO_4	Other:	Other:	ANALYSIS REQUEST
1705-059-01	Hoier Spring	5-5-17	0925		X												see attached
-02	Darwin Rather #1		1055		X												X
-03	Animas River Spring		1245		X												X
	~~Golf Club Spring~~				X												X

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

Relinquished By:	**Date:** 5-5-17	Received By:	ADDITIONAL REMARKS: Report to State? (Circle) Yes No
	Time: 1330		
Relinquished By:	Date:	Received By:	
	Time:		
Relinquished By:	Date:	Received By:	
	Time:	#1 on ice	
Delivered By: (Circle One) Sampler - UPS - FedEx - Kangaroo - Other:		Temperature at reciept: 10.4/10.6°C	CHECKED BY: DZ

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

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~~
2017

Project Name:	La Plata Springs	**Invoice To:**	LT Environmental
Project Number:	[none] 60521700l	**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	

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #:	610127	Job #:	34746	IS-65828	Co. Job#:
Sample Name:	Hoier 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:	5/05/2017 9:25	Date Received:	5/08/2017	Date Reported:	5/11/2017

Component	Chemical mol. %	$\delta^{13}C$ ‰	δD ‰	$\delta^{18}O$ ‰	Dissolved gas cc/L	Dissolved gas ppm
Carbon Monoxide	nd					
Helium	na					
Hydrogen	nd					
Argon	1.14					
Oxygen	10.60					
Nitrogen	75.14					
Carbon Dioxide	13.09					
Methane	0.0314				0.010	0.0067
Ethane	nd				< 0.0001	< 0.0001
Ethylene	nd					
Propane	nd				< 0.0001	< 0.0002
Propylene	nd					
Iso-butane	nd					
N-butane	nd					
Iso-pentane	nd					
N-pentane	nd					
Hexanes +	nd					

Remarks:
Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.68
*Addition of helium negates the ability to detect native helium and may negate the ability to detect hydrogen.

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

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #:	610128	Job #:	34746	IS-65828	Co. Job#:
Sample Name:	Darwin Rather #1				Co. Lab#:
Company:	LT Environmental				
API/Well:					
Container:	Dissolved Gas Bottle				
Field/Site Name:	La Plata Springs				
Location:					
Formation/Depth:					
Sampling Point:					
Date Sampled:	5/05/2017 10:55	Date Received:	5/08/2017	Date Reported:	5/11/2017

Component	Chemical mol. %	$\delta^{13}C$ ‰	δD ‰	$\delta^{18}O$ ‰	Dissolved gas cc/L	Dissolved gas ppm
Carbon Monoxide	nd					
Helium	0.0053					
Hydrogen	nd					
Argon	0.937					
Oxygen	19.73					
Nitrogen	77.88					
Carbon Dioxide	1.45					
Methane	0.0010				0.0025	0.0017
Ethane	nd				< 0.0003	< 0.0003
Ethylene	nd					
Propane	nd				< 0.0003	< 0.0005
Propylene	nd					
Iso-butane	nd					
N-butane	nd					
Iso-pentane	nd					
N-pentane	nd					
Hexanes +	nd					

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

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #:	610129	Job #:	34746	IS-65828	Co. Job#:
Sample Name:	Animas River 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:	5/05/2017 12:45	Date Received:	5/08/2017	Date Reported:	5/11/2017

Component	Chemical mol. %	$\delta^{13}C$ ‰	δD ‰	$\delta^{18}O$ ‰	Dissolved gas cc/L	Dissolved gas ppm
Carbon Monoxide	nd					
Helium	na					
Hydrogen	nd					
Argon	1.21					
Oxygen	10.37					
Nitrogen	68.17					
Carbon Dioxide	20.25					
Methane	0.0042				0.00091	0.00061
Ethane	nd				< 0.0001	< 0.0001
Ethylene	nd					
Propane	nd				< 0.00009	< 0.0002
Propylene	nd					
Iso-butane	nd					
N-butane	nd					
Iso-pentane	nd					
N-pentane	nd					
Hexanes +	nd					

Remarks:
Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.76
*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. 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. %.