2016 FRUITLAND OUTCROP MONITORING REPORT

LA PLATA COUNTY, COLORADO

NOVEMBER 2016

Prepared for:

THE GROUP
La Plata County, Colorado

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Prepared by:

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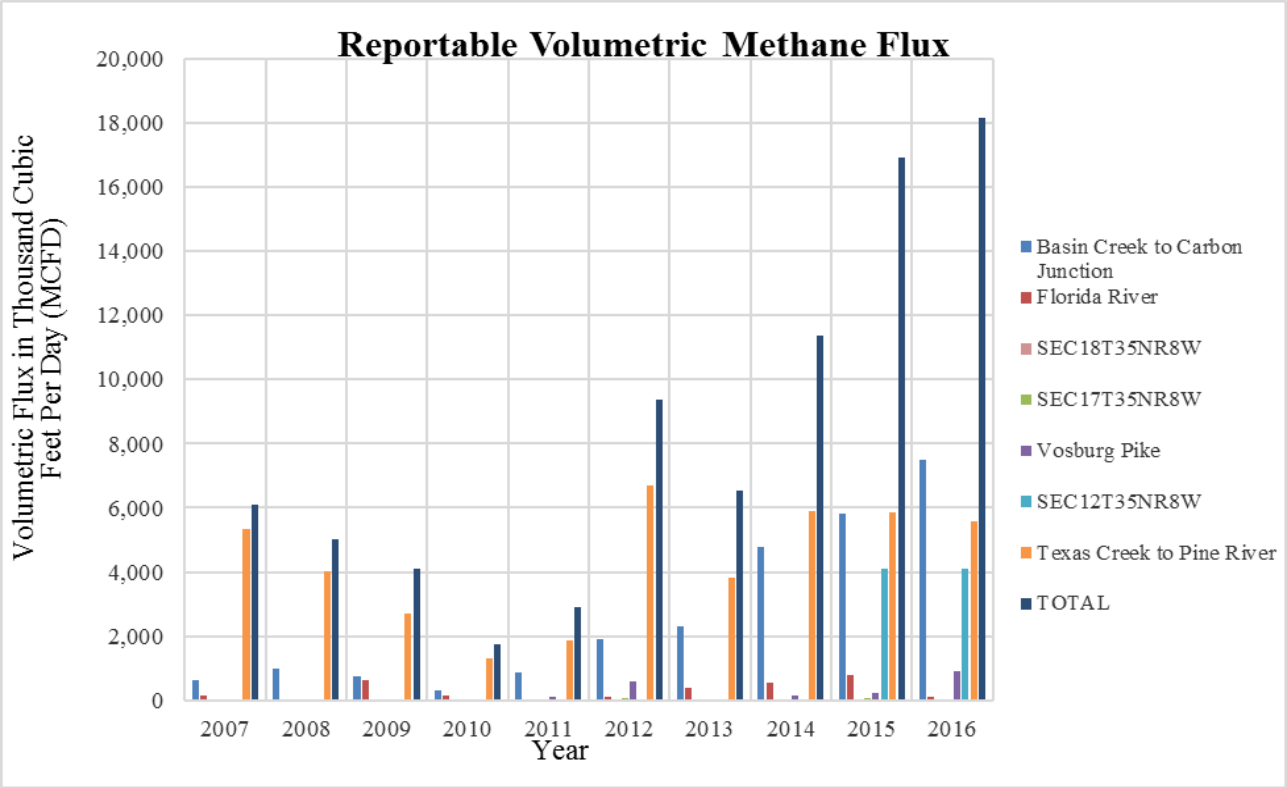
EXECUTIVE SUMMARY

This 2016 Fruitland Outcrop Monitoring Report has been prepared on behalf of Chevron North America Exploration and Production Company (Chevron), 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 2016 methane seep survey was conducted over 1,118 acres of the Kf outcrop from June 1 through August 17, 2016. 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.

Historically, methane flux rates across the project area had decreased from 6,099 thousand cubic feet per day (MCFD) in 2007 to 2,900 MCFD in 2011. However, the methane flux from the 2012 to present has increased, and in 2016, the methane flux was calculated at 18,165 MCFD. Seep area Sec12T35NR8W was identified during the 2014 regional reconnaissance and contributed 4,090 MCFD to the total volumetric flux during the 2016 flux survey and accounts for 22 percent (%) of the total estimated methane flux. This year, 2016, was the second year that seep area Sec12T35NR8W was mapped using the flux meter.

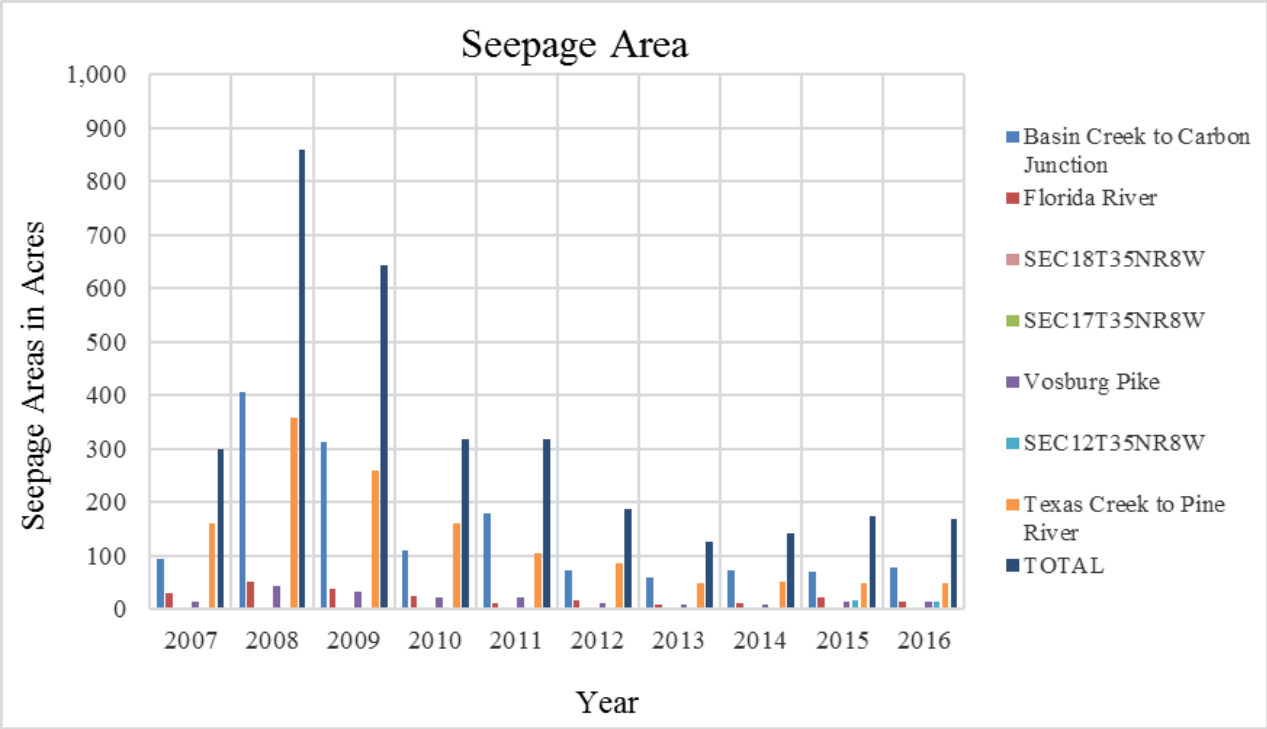
The mitigation system at South Fork Texas Creek (SFTC) appears to have an effect on the methane flux results for the SFTC area. While the mitigation system does capture methane gas, it is not capable of capturing all of the methane gas within the footprint of the collection system. As a result, the collection 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 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 affect interpolation and flux estimations as described above and bias the results high. These elevated flux values affected interpolation and flux estimation in past years. The additional flux points in the vicinity of the mitigation system in the 2013, 2014, 2015, and 2016 surveys reduced the bias high effect observed in 2012.

Total volumetric flux is also affected in the SFTC Central area due to the inability to delineate the methane flux north of the remediation system due to property access denial. Because there are reportable methane flux detections at the boundary of the gridded area, the interpolation of volumetric methane flux is likely greater than if it was delineated with points below the reportable limit. Below is a graph summarizing the reportable volumetric methane flux for the project since the initial use of the portable flux meter in 2007.



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 2016 was 18,165 MCFD, exceeding the highest methane flux since the use of the flux meter began in 2007 and has continued the net upward trend observed since 2011.

The seepage area from 2011 to 2016 decreased by 47% (see the graph below). When comparing the 2016 monitoring event to the 2009 monitoring event where the mapped area is similar, the seepage areas decreased by approximately 74%. Seepage area slightly decreased from 2015 to 2016. 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 2016 was 2,270 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.

Two new natural springs, Animas River Spring and Vosburg Pike Spring, were identified in 2015. Out of 12 natural springs identified along the Kf outcrop in La Plata County, three natural springs were sampled in May and June 2016 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). Methane was not detected at any of the shut-in/abandoned production well locations above the flux meter reporting limit.

Based on the results of the 2016 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 2017. LTE will return to the sample locations visited during the 2016 field activities to observe changes in subsurface methane over time and space. Grid spacing will be revised based on the 2016 results;

- Conduct the next regional reconnaissance IR aerial survey in 2017 to confirm the presence or absence of methane seepage along the Kf outcrop in La Plata County.

Based on the results of the 2016 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 three-year intervals will allow continued addition of newly identified springs to the data set while utilizing resources more efficiently. The next sampling event will occur in 2017 and would then continue in 3-year intervals;

- 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 9 years of data showing that no methane flux has been measured at the three shut-in/abandoned production wells.

1.0 INTRODUCTION

This 2016 Fruitland Outcrop Monitoring Report has been prepared on behalf of Chevron North America Exploration and Production Company (Chevron), 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 the Pine River area, this survey identified four additional primary methane gas seepage areas including Basin Creek, Carbon Junction, Florida River, and South Fork Texas Creek (SFTC);
- Installation of 162 permanent soil gas monitoring probes by LTE in 1997, with additional probes installed at various locations since 1997 and ongoing monitoring of the points by the BLM;
- Installation of six flux chambers in the primary 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, and 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 in 2009;

- Expansion of the SFTC methane mitigation system during June 2010; and

- Methane investigation completed at SFTC utilizing 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 2016 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. Monitoring accessible natural springs;

4. Conducting detailed seep mapping at three shut-in/abandoned production well locations; and

5. Preparing this report.

1.5 REPORT ORGANIZATION

This report is organized into seven 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 natural springs monitoring results are presented in Section 4.0. The results of the shut-in/abandoned wells flux mapping are presented in Section 5.0. The summary, conclusions, and recommendations of this survey are presented in Section 6.0. The report references are listed in Section 7.0. 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 or no response properties during the monitoring event.

The 2016 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 polygons, ranging in area from 2,500 square feet (ft^2) to 40,000 ft^2. In general, 50-foot and 200-foot grid spacing was 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 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.

Laboratory analytical water samples 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 Four Corners Geoscience, Inc., in Durango, Colorado, for analysis of dissolved methane. General water chemistry samples were submitted to Green Analytical Laboratories, in Durango, Colorado.

2.5 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 1, 2016, through August 17, 2016, in the seven main mapping areas. A total of 1,469 flux measurements were collected over 1,127 acres of land in the project area during the 2016 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 2016 monitoring event recorded methane flux above the reportable limit (0.2 mol/m^2·day) at 187 of the 1,491 (12.5 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 19,405 mol/m^2·day in the SEC12T35NR8W mapping area. Methane flux results for each location of interest are discussed in Section 3.5.

3.2 OVERALL CARBON DIOXIDE RESULTS

The 2016 monitoring event detected carbon dioxide flux at 1,448 of the 1,491 (97.1%) sample locations. The carbon dioxide flux values of each measured location area for the entire project area ranged from 0.006822 mol/m^2·day to a maximum 32 mol/m^2·day. Carbon dioxide flux results for each location of interest are discussed in Section 3.5.

3.3 OVERALL HYDROGEN SULFIDE RESULTS

The flux meter is a highly sensitive field meter capable of detecting very low flux rates of hydrogen sulfide resulting in 730 points (48%) 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 2016 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 2016 was 18,165 MCFD. The total estimated volumetric carbon dioxide flux

for the mapped areas on the Kf outcrop in La Plata County in 2016 was 2,270 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 1 and June 17, 2016.

The Basin Creek mapping area is centered near the Animas-La Plata Ridges Basin Dam. The Carbon Junction mapping area is centered on the Animas River near the Wal-Mart shopping center on Highway 160.

A total of 574 flux sample points were measured. The Basin Creek to Carbon Junction survey area has an estimated methane seepage area of approximately 79 acres with a flux rate of 7,498 MCFD. Carbon dioxide was mapped over approximately 472 acres with a total flux rate of 1,019 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 20 and June 21, 2016. A total of 114 flux sample points were measured. The Florida River mapping area has an estimated methane seepage area of approximately 13 acres with a total flux rate of 89 MCFD. Carbon dioxide was mapped over approximately 86 acres with a total flux rate of 173 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, 2016. A total of 19 flux sample points were measured. The SEC18T35NR8W seep has an estimated methane seepage area of approximately 2 acres with a total flux rate of 0.24 MCFD. Carbon dioxide was mapped over approximately 5 acres with a total flux rate of 2 MCFD.

3.5.4 SEC17T35NR8W

The survey area at SEC17T35NR8W is located in Section 17, Township 35 North, Range 8 West, located between the SEC18T35NR8W and Vosburg Pike mapping areas. The SEC17T35NR8W mapping was conducted on July 21, 2016. A total of 13 flux sample points were measured. The SEC17T35NR8W seep has an estimated methane seepage area of approximately 2 acres with a total flux rate of 9 MCFD. Carbon dioxide was mapped over approximately 4 acres with a total flux rate of 3.6 MCFD.

3.5.5 Vosburg Pike

The mapping area at Vosburg Pike is an upland portion of the Kf outcrop, located approximately halfway between the Florida River and SFTC mapping areas. The Vosburg Pike mapping area covers approximately 1.3 miles along the Kf outcrop. Flux mapping occurred between July 19 and July 26, 2016.

A total of 83 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 892 MCFD. Carbon dioxide was mapped over approximately 74 acres with a total flux rate of 224 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 during the flux mapping timeframe in 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. Access was granted for the 2015 and 2016 methane flux surveys. The 2016 methane flux survey was the second time flux measurements have been collected in the SEC12T35NR8W area. A total of 118 flux sample points were measured. The SEC12T35NR8W mapping area has an estimated methane seepage area of approximately 13 acres with a total flux rate of 4,090 MCFD. Carbon dioxide was mapped over approximately 73 acres with a total flux rate of 199 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 27 and August 17, 2016.

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.

Total volumetric flux is also affected in this area due to the inability to delineate the methane flux north of the remediation system. This is due to property access denial. Because there are reportable methane flux detections at the boundary of the gridded area, the interpolation of volumetric methane flux is likely greater than if it was delineated with points below the reportable limit.

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 570 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 48 acres with a total flux rate of 5,587 MCFD. Carbon dioxide was mapped over approximately 389 acres with a total flux rate of 649 MCFD.

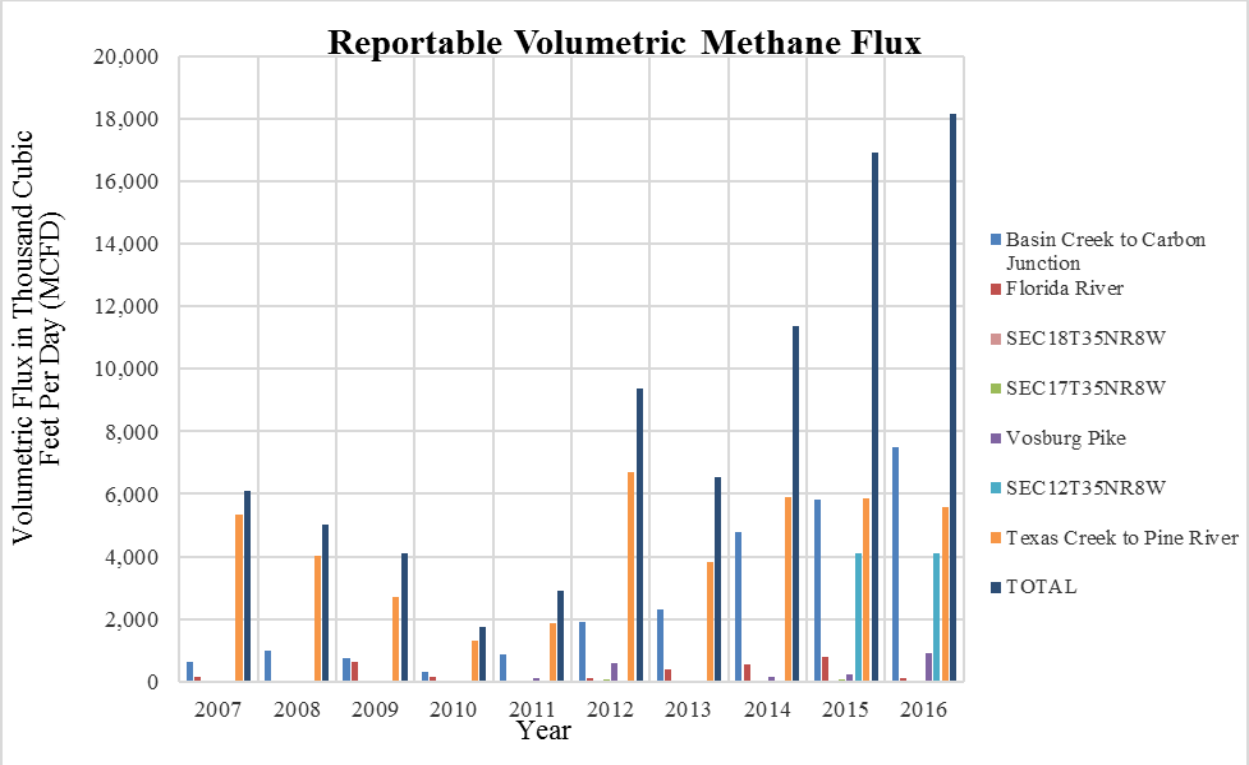
3.6 HISTORICAL FLUX DATA COMPARISON

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, and 2016 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 and increases in methane flux were observed in four of the six main areas surveyed. In 2016, the total methane flux increased to 18,165 MCFD, an increase of 7.5% from 2015, and is the highest total methane flux recorded since first using the flux meter in 2007. The increase in methane flux from 2015 to 2016 can be attributed to flux increases in the Basin Creek to Carbon Junction and Vosburg Pike, which account for a 2,329 MCFD increase from the 2015 survey.

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

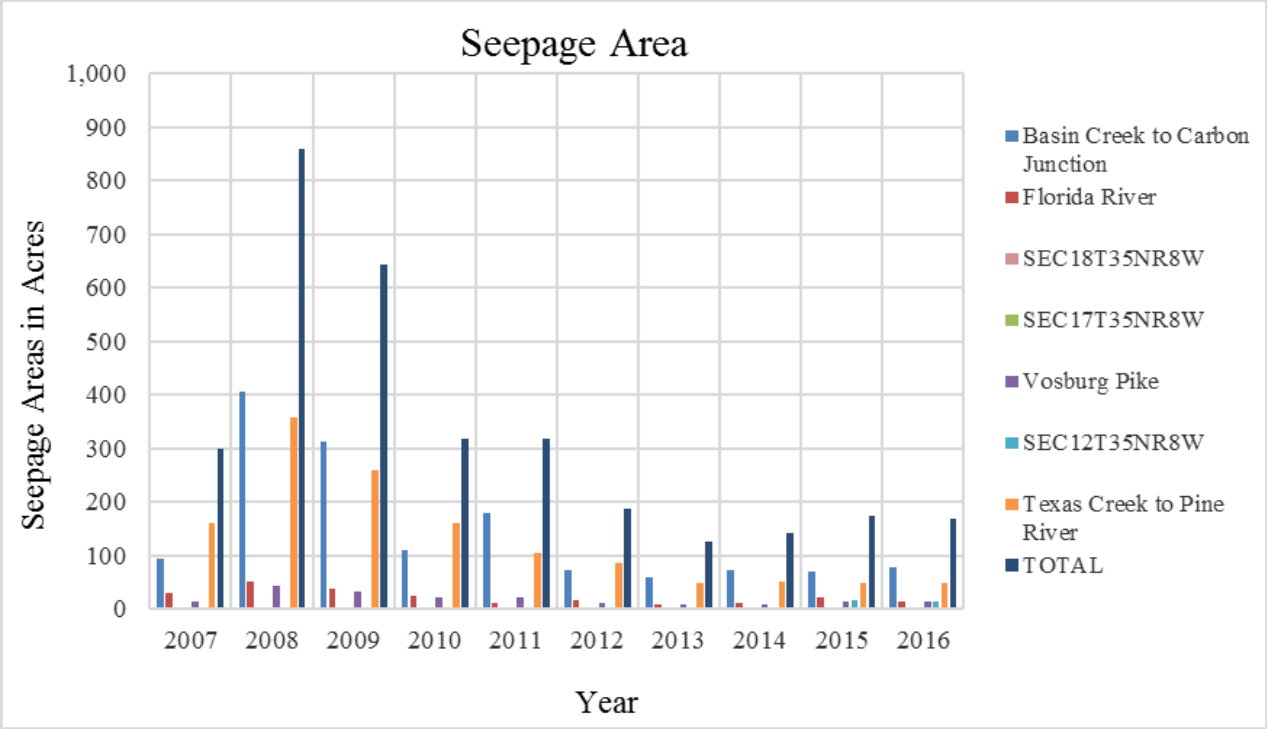
footprint with a rapid decrease in methane flux values moving away from the system footprint. These elevated flux values affected interpolation and flux estimation in 2012 as described above and biased the results high. The additional flux points in the vicinity of the mitigation system in 2013, 2014, 2015, and 2016 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 nine 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 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 2016 was 18,165 MCFD, exceeding the highest methane flux total since use of the flux meter began in 2007 and has continued the net upward trend observed since 2011.

The seepage area from 2011 to 2016 decreased by 47% (see graph below). When comparing the 2016 monitoring event to the 2009 monitoring event where the mapped area is similar, the seepage areas decreased by approximately 74%. Seepage area slightly increased from 2014 to 2015, which is attributable to the addition of new seep areas (SEC18T35NR8W and SEC12T35NR8W) identified during the 2014 regional reconnaissance. 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 2016. Table 3 summarizes the changes in seepage area extent and the methane flux from 2007 through 2016. 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 an understanding as to why these specific areas are investigated.

4.0 NATURAL SPRINGS MONITORING

A total of 12 natural springs have been previously identified on the Kf outcrop in La Plata County north of the SUIT boundary. Three of the 12 natural springs were sampled during the 2016 sampling event, while property access was denied for five natural springs, three 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 2016, along with past natural springs sampling status, is presented in Table 4.

4.1 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 and June 2016. The 2016 field observations and measurements for the natural springs, including historical measurements are summarized in Table 5.

4.2 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 2016 natural springs sampling, dissolved methane was detected in spring water sampled from the Hoier Spring at a concentration of 0.36 mg/L. Dissolved methane was previously detected in the Hoier Spring in 2006, 2013, and 2015. 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. Methane was not detected in the remaining natural springs sampled.

Based on the water chemistry of the three natural springs in 2016, 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 7 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 D.

4.3 SUBSURFACE SOIL GAS MEASUREMENTS

During the May and June 2016 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 2016.

5.0 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). Pole Barn Monitor Well #1 was surveyed on June 22, 2016, Federal 34-1/2-34-1 was surveyed on June 17, 2016, and Baird 1-25 was surveyed on June 22, 2016. Monitoring was conducted at the request of the COGCC to determine whether methane seepage exists within the vicinity of the 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 eight years of monitoring.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 CONCLUSIONS

Historically, methane flux rates across the project area had decreased from 6,099 thousand cubic feet per day (MCFD) in 2007 to 2,900 MCFD in 2011. However, the methane flux from the 2012 to present has increased, and in 2016, the methane flux was calculated at 18,165 MCFD.

The mitigation system at SFTC appears to have an effect on the methane flux results for its area. 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 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 affect interpolation and flux estimations as described above and bias the results high. These elevated flux values affected interpolation and flux estimation in past years. The additional flux points in the vicinity of the mitigation system in the 2013, 2014, 2015, and 2016 surveys reduced the bias high effect observed in 2012.

Total volumetric flux is also affected in the SFTC Central area due to the inability to delineate the methane flux north of the remediation system due to property access denial. Because there are reportable methane flux detections at the boundary of the gridded area, the interpolation of volumetric methane flux is likely greater than if it was delineated with points below the reportable limit.

The seepage area from 2011 to 2016 decreased by 47%. When comparing the 2016 monitoring event to the 2009 monitoring event where the mapped area is similar, the seepage areas decreased by approximately 74%. Seepage area slightly increased from 2015 to 2016, which is attributable to the lack of access to property in the Texas Creek area. 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 2016 was 2,270 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 identified along the Kf outcrop in La Plata County, three natural springs were sampled in May and June 2016 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). Methane was not detected at any of the shut-in/abandoned production well locations above the flux meter reporting limit.

6.2 RECOMMENDATIONS

Based on the results of the 2016 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 2017. LTE will return to the sample locations visited during the 2016 field activities to observe changes in subsurface methane over time and space. Grid spacing will be revised based on the 2016 results;

- Conduct the next regional reconnaissance IR aerial survey in 2017 to confirm the presence or absence of methane seepage along the Kf outcrop in La Plata County.

Based on the results of the 2016 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 three-year intervals will allow continued addition of newly identified springs to the data set while utilizing resources more efficiently. The next sampling event will occur in 2017 and would then continue in 3-year intervals;

- 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 9 years of data showing that no methane flux has been measured at the three shut-in/abandoned production wells.

7.0 REFERENCES

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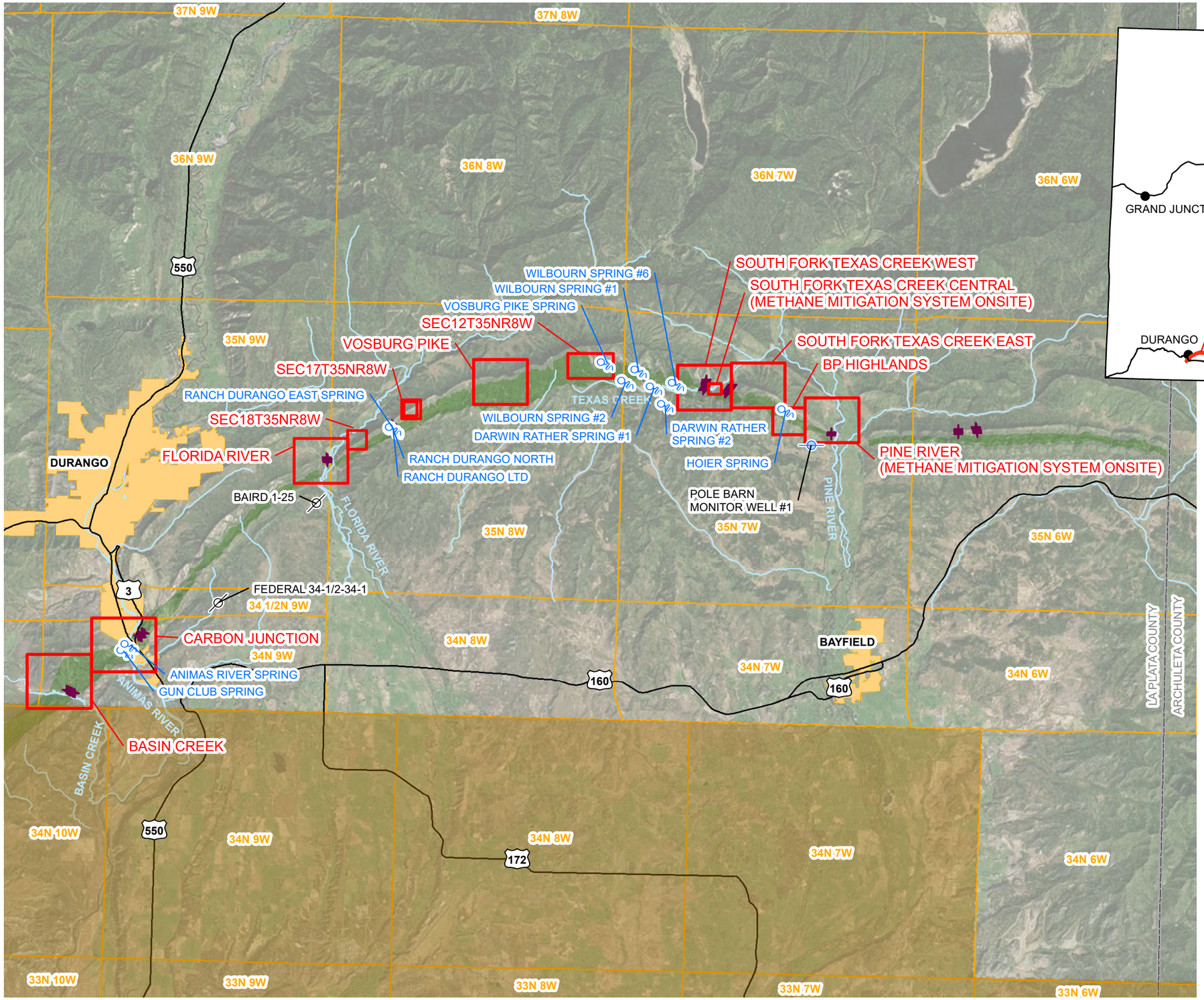
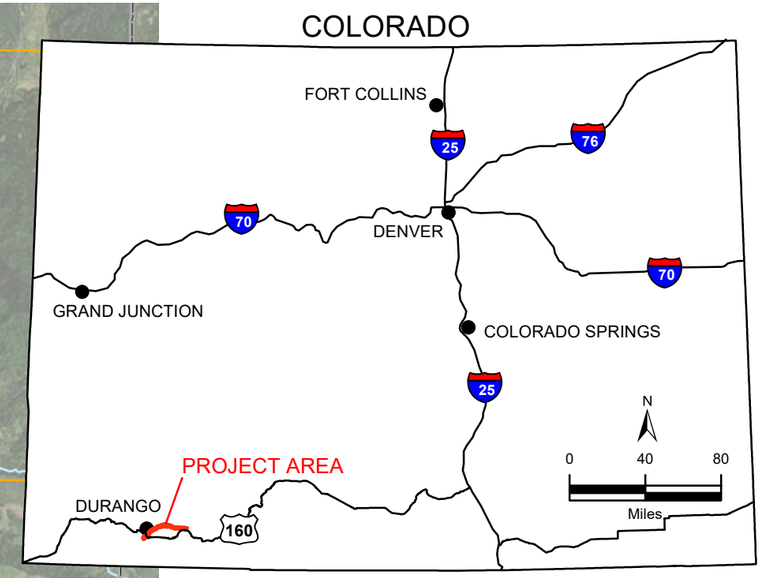
FIGURES





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

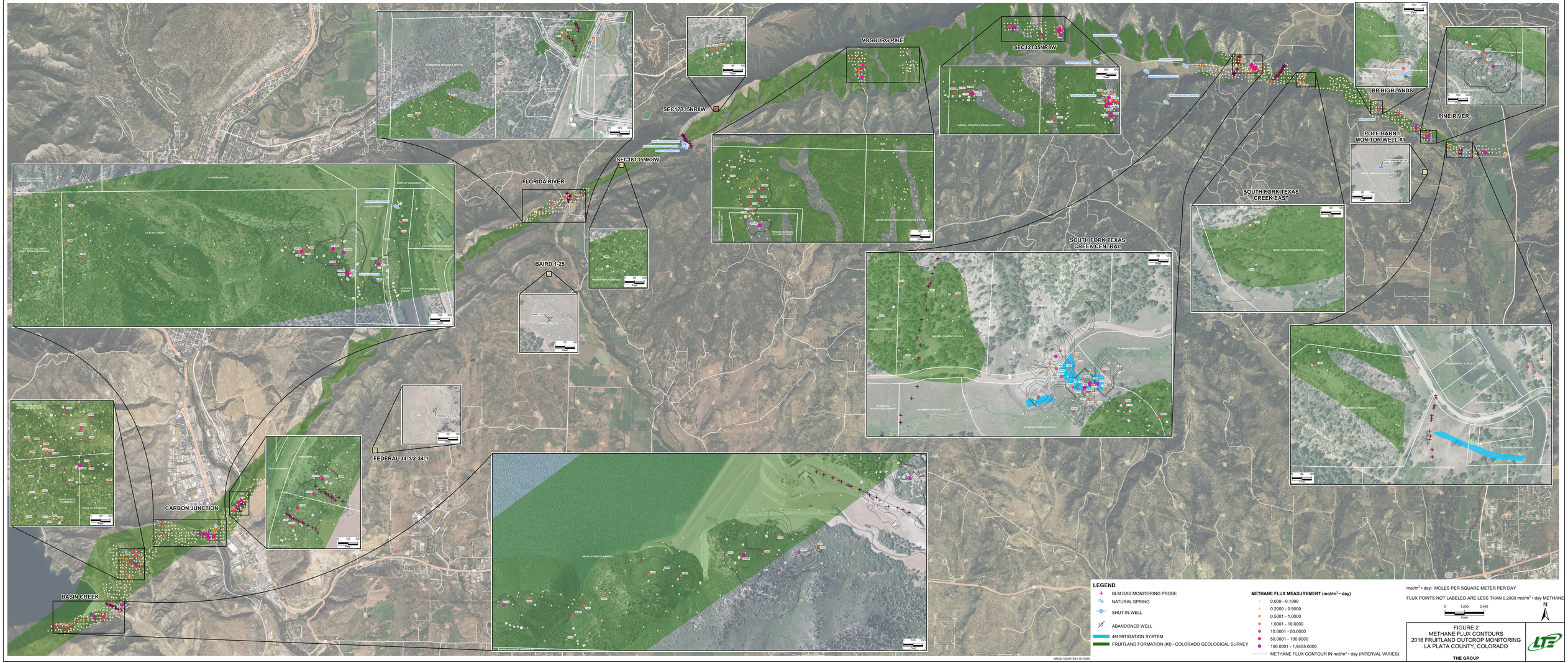
0 2 4
Miles

N

FIGURE 1
PROJECT AREA MAP
2016 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2016\2016_FIG 01 PROJ AREA.mxd



LEGEND

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

METHANE FLUX MEASUREMENT (mol/m² • day)

- 0.000 - 0.1999
- 0.2000 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1,9405.0000
- METHANE FLUX CONTOUR IN mol/m² • day (INTERVAL VARIES)

mol/m² • day: MOLES PER SQUARE METER PER DAY

FLUX POINTS NOT LABELED ARE LESS THAN 0.2000 mol/m² • day METHANE

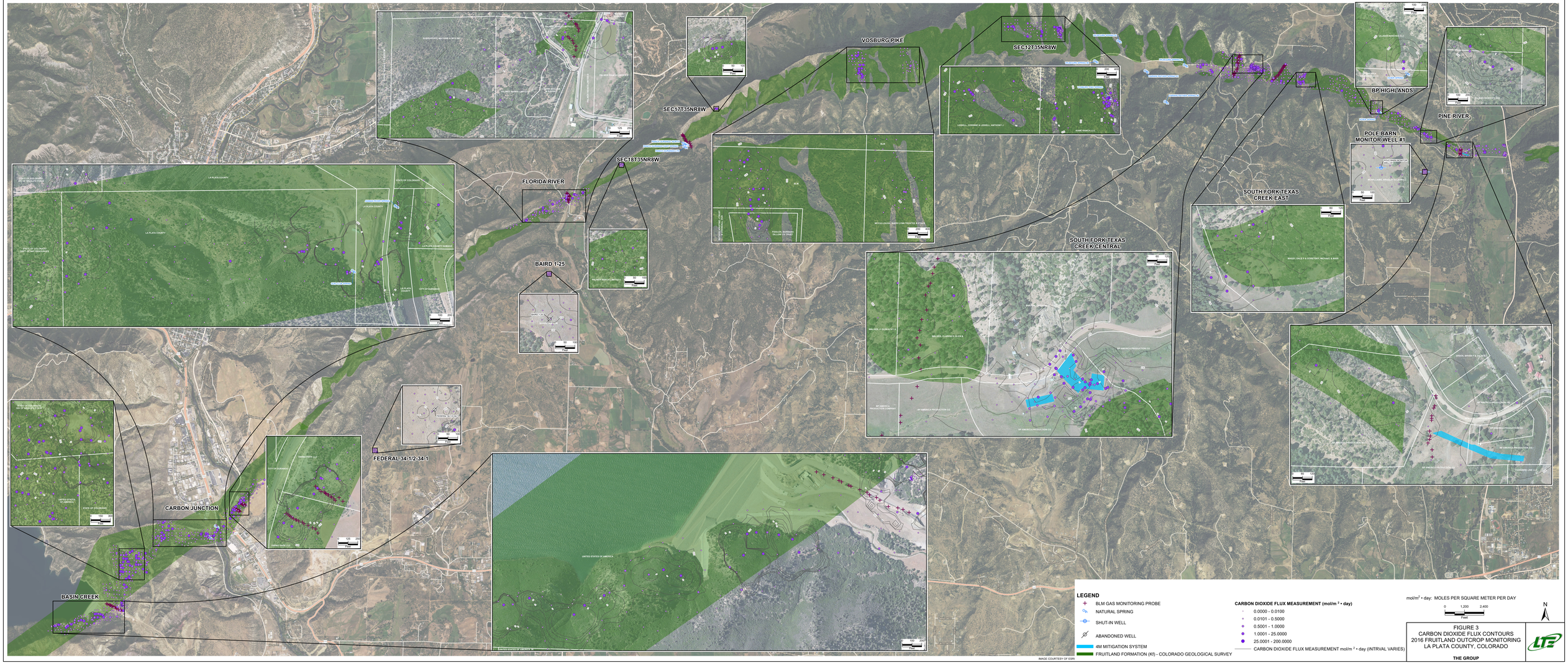
0 1,200 2,400 Feet

N

FIGURE 2
METHANE FLUX CONTOURS
2016 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

IMAGE COURTESY OF ESRI



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 - 200.0000
- CARBON DIOXIDE FLUX MEASUREMENT mol/m ^{2} • day (INTRVAL VARIES)

mol/m ^{2} • day: MOLES PER SQUARE METER PER DAY

0 1,200 2,400 Feet

N

FIGURE 3
CARBON DIOXIDE FLUX CONTOURS 2016 FRUITLAND OUTCROP MONITORING LA PLATA COUNTY, COLORADO

THE GROUP

2007 FLUX SURVEY AREA

VOSBURG PIKE

FLORIDA RIVER

SOUTH FORK TEXAS CREEK TO PINE RIVER

BASIN CREEK TO CARBON JUNCTION

550

3

160

550

172

160

2008 FLUX SURVEY AREA

VOSBURG PIKE

FLORIDA RIVER

SOUTH FORK TEXAS CREEK TO PINE RIVER

HORSE GULCH

BASIN CREEK TO CARBON JUNCTION

550

3

160

550

172

2009 FLUX SURVEY AREA

VOSBURG PIKE

FLORIDA RIVER

SOUTH FORK TEXAS CREEK TO PINE RIVER

BASIN CREEK TO CARBON JUNCTION

550

3

160

550

172

LEGEND

METHANE DETECTED GREATER THAN 0.2000 mol/m ^{2} • day

mol/m ^{2} • day: MOLES PER SQUARE METER PER DAY

SURVEY BOUNDARY

AREA OF INTEREST

HIGHWAY

SEE FIGURE 5 FOR 2010, 2011, & 2012 METHANE FLUX COMPARISON
SEE FIGURE 6 FOR 2013 & 2014 METHANE FLUX COMPARISON
SEE FIGURE 7 FOR 2015 & 2016 METHANE FLUX COMPARISON

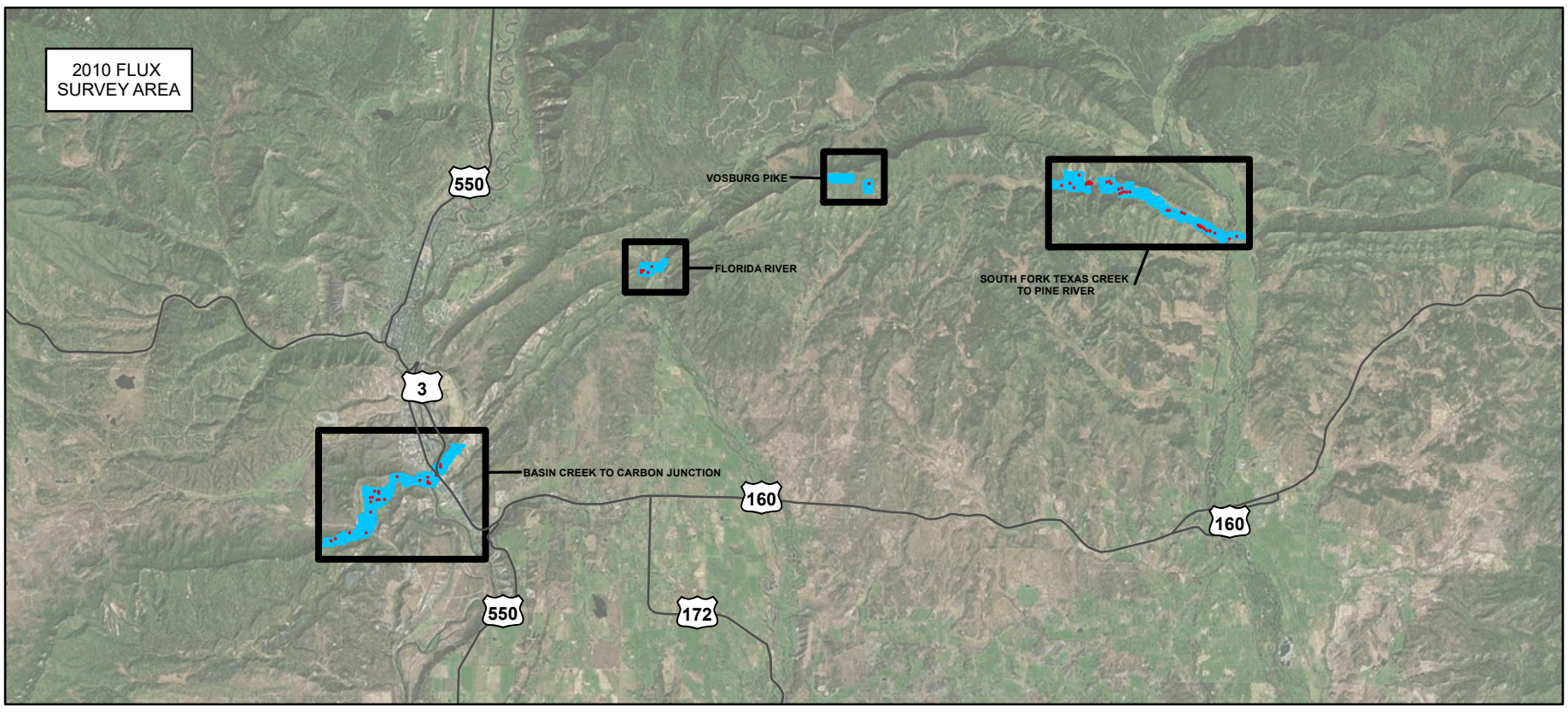
0 3 6
Miles

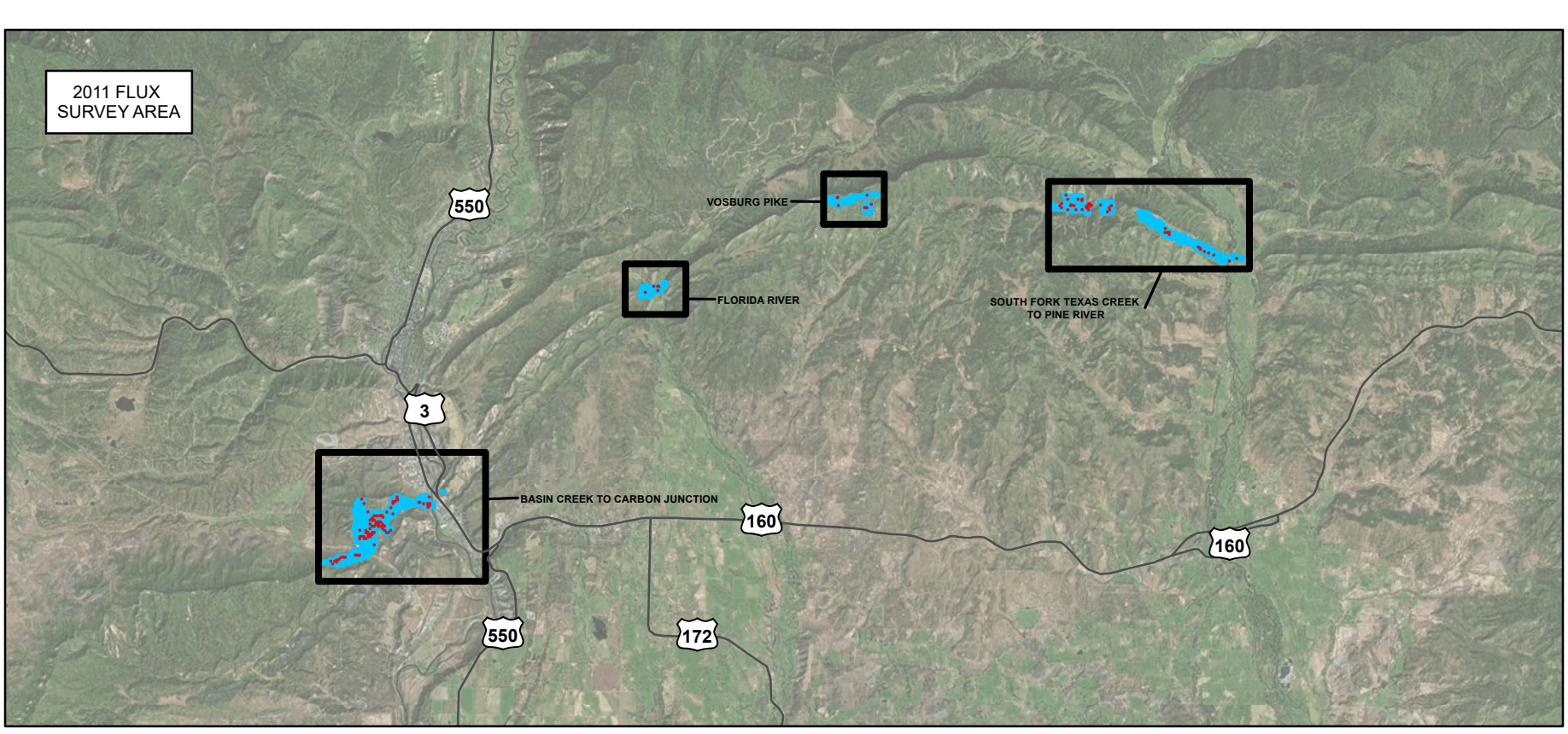
N

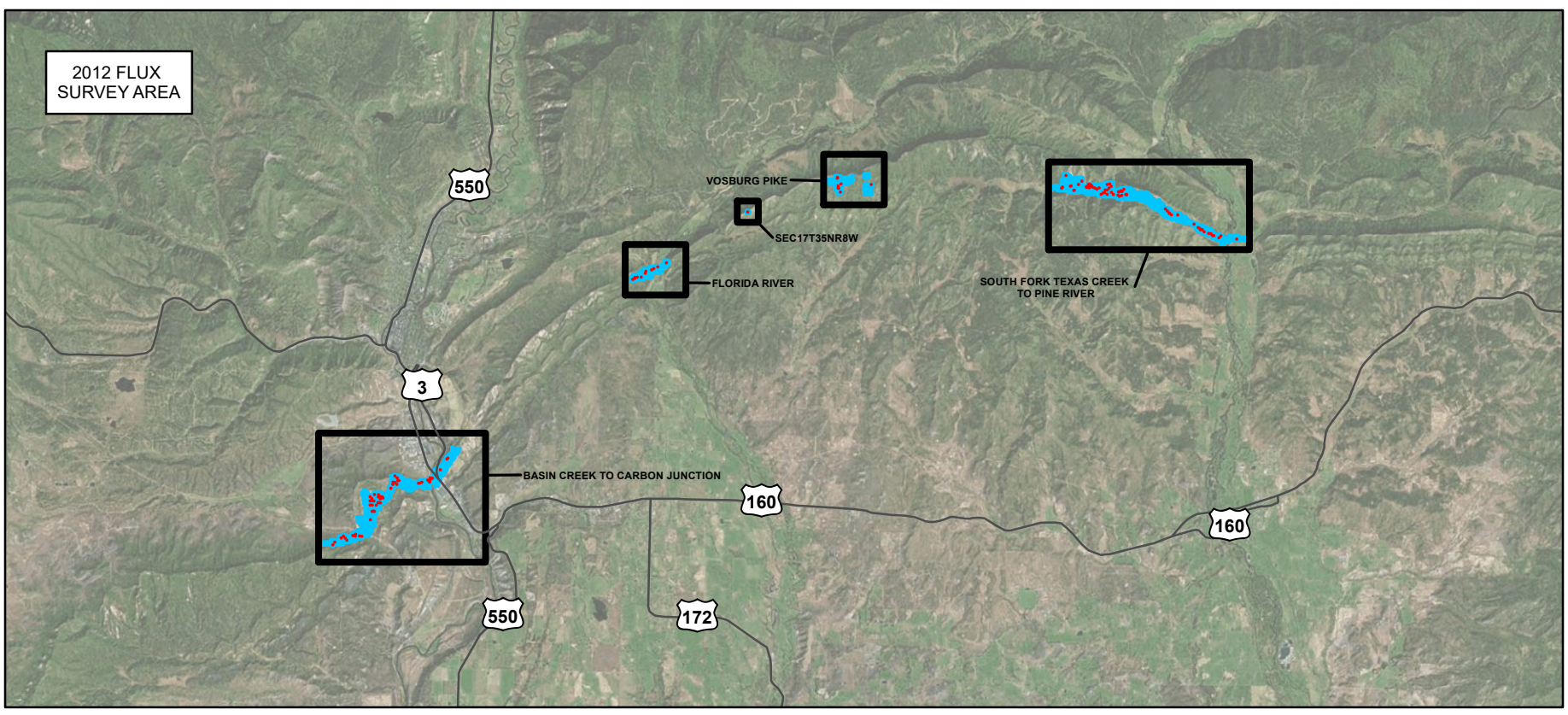
FIGURE 4
METHANE FLUX COMPARISON 2007-2009
2016 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2016\2016_LAPLATA_FIG 04 CH4 COMP 2007-2009.mxd







LEGEND

IMAGE COURTESY OF ESRI

- 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 2013 & 2014 METHANE FLUX COMPARISON
SEE FIGURE 7 FOR 2015 & 2016 METHANE FLUX COMPARISON

0 3 6
Miles

N

FIGURE 5
METHANE FLUX COMPARISON 2010-2012
2016 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2016\2016_LAPLATA_FIG 05 CH4 COMP 2010-2012.mxd

2013 FLUX SURVEY AREA

VOSBURG PIKE

SEC17T35NR8W

FLORIDA RIVER

SOUTH FORK TEXAS CREEK TO PINE RIVER

BASIN CREEK TO CARBON JUNCTION

550

3

160

172

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

LEGEND

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

SEE FIGURE 7 FOR 2015 & 2016 METHANE FLUX COMPARISON

IMAGE COURTESY OF ESRI

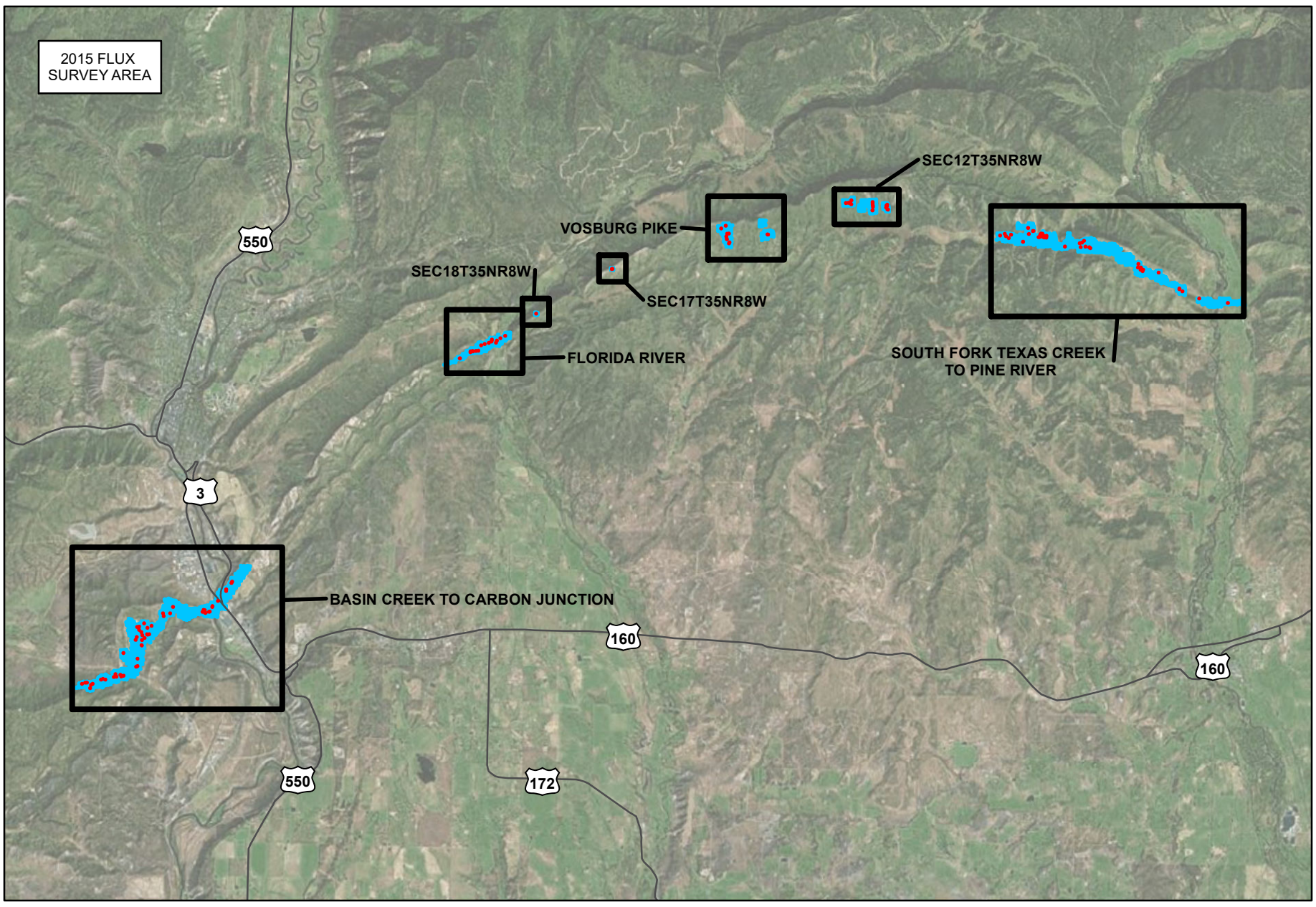
0 2 4
Miles

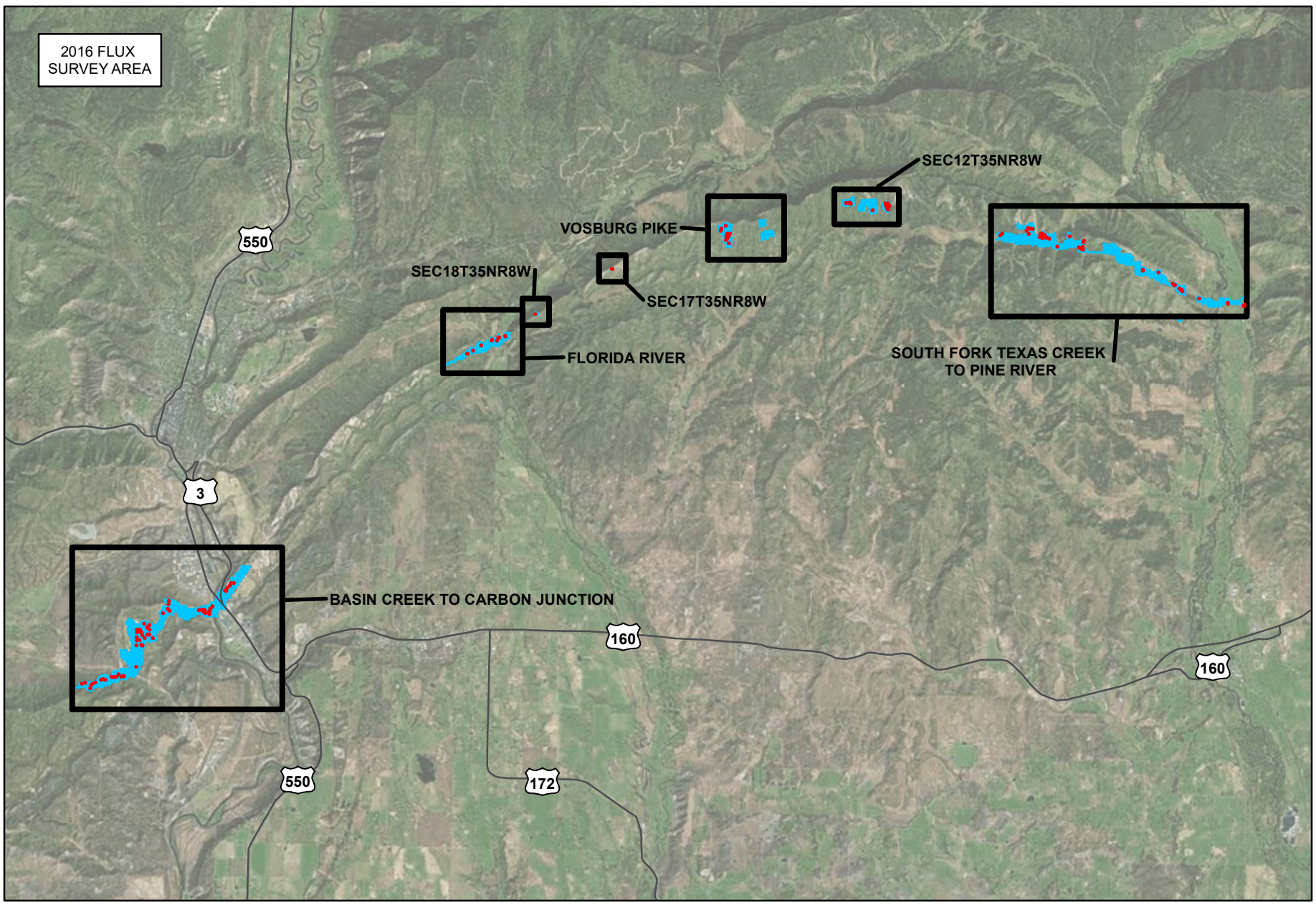
N

FIGURE 6
METHANE FLUX COMPARISON 2013-2014
2016 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2016\2016_LAPLATA_FIG 06 CH4 COMP 2013-2014.mxd





LEGEND

IMAGE COURTESY OF ESRI

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

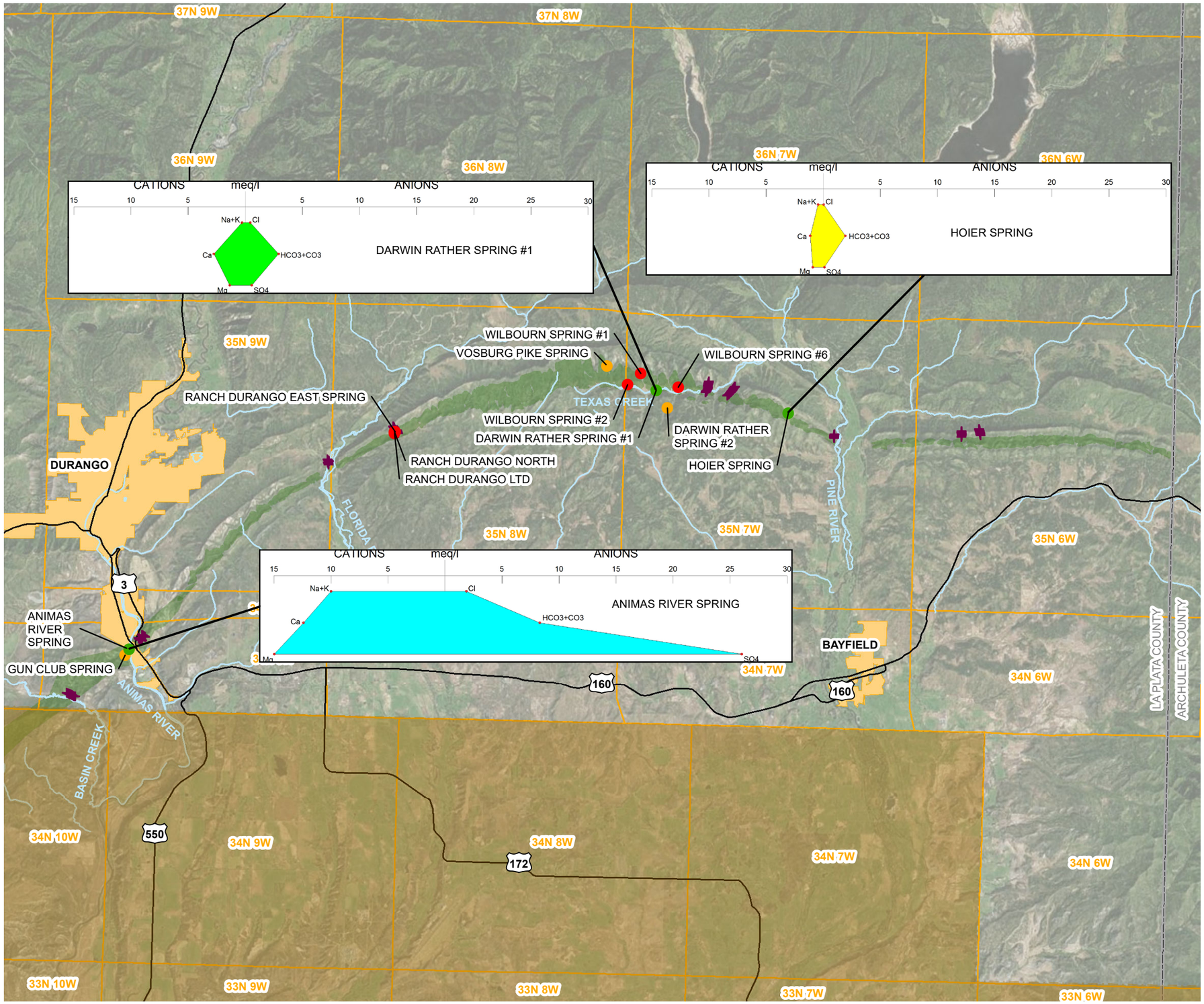
0 2 4
Miles

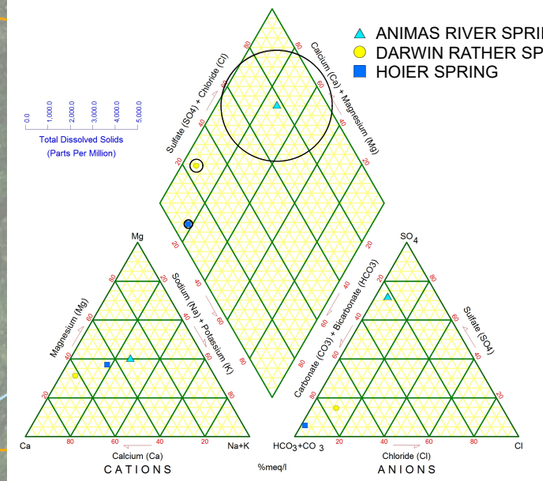
N

FIGURE 7
METHANE FLUX COMPARISON 2015-2016
2016 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2016\2016_LAPLATA_FIG 07 CH4 COMP 2015-2016.mxd





LEGEND

- GAS MONITORING PROBE

NATURAL SPRING

- SAMPLED
- NO FLOW / STAGNANT
- 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 8
NATURAL SPRINGS
2016 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2016\2016_LAPLATA_FIG 08 NATURAL SPRINGS.mxd

TABLES

TABLE 1
PROPERTY ACCESS STATUS
2016 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

PERCEL 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	BAYFIELD CO , 81122
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	BLM	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
2016 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
2016 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

Mapping Area	Methane																			
	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016	
	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
Florida River	30	131	52	27	39	622	26	154	12	45	16	119	8	373	11	529	21	801	13	89
SEC18T35NR8W	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1	2	0.24
SEC17T35NR8W	---	---	---	---	---	---	---	---	---	---	2	49	2	9	2	0.43	2	75	2	9
Vosburg Pike	14	2	43	11	34	15	23	1	21	115	11	598	8	29	8	147	13	234	13	892
SEC12T35NR8W	---	---	---	---	---	---	---	---	---	---	---	---	NM	NM	NM	NM	17	4,114	13	4,090
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
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**

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

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
2016 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

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

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

TABLE 5
NATURAL SPRINGS FIELD MEASUREMENTS
2016 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
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
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
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
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						

TABLE 5
NATURAL SPRINGS FIELD MEASUREMENTS
2016 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						
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						
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						
Vosburg Pike Spring	7/17/2015	No Flow - Not Measured						0
	5/20/2016	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
2016 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
	September	May	October	June	October	May	October	June	May	May	May/June	May/June	May/June	May/June
Animas River Spring	--	--	--	--	--	--	--	--	--	--	--	--	<0.02	<0.02
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
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
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
2016 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	507	1250	66.2	2720
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
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
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	5.12	1.41	135
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				

TABLE 7
NATURAL SPRINGS MAJOR IONS CONCENTRATIONS
2016 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 LTD Spring	6/23/2008	79.5	20.1	16.7	0.9	<10	252	69	<10	305
	10/15/2008	69.7	17.5	14.9	1.0	<10	252	71	<10	300
	5/12/2009	79.8	19.1	16.4	1.2	<10	258	80	<10	305
	6/29/2010	80.3	18.7	16.9	1.4	<10	250	69	<10	350
	5/4/2011	Not Sampled				Not Sampled				Not Sampled
	5/21/2012	Not Sampled				Not Sampled				Not Sampled
	5/23/2013	Not Sampled				Not Sampled				Not Sampled
	5/15/2014	Not Sampled				Not Sampled				Not Sampled
	5/20/2015	Not Sampled				Not Sampled				Not Sampled
	5/20/2016	Not Sampled				Not Sampled				Not Sampled
Rancho Durango North Spring	6/23/2008	108	31.9	14.5	2.0	<10	332	122	<10	460
	10/15/2008	77.1	22.0	13.7	1.1	<10	276	79	<10	355
	5/12/2009	80.1	19.3	15.5	1.1	<10	262	71	<10	335
	6/29/2010	83.4	19.8	16.8	1.1	<10	252	80	<10	340
	5/4/2011	Not Sampled				Not Sampled				Not Sampled
	5/21/2012	Not Sampled				Not Sampled				Not Sampled
	5/23/2013	Not Sampled				Not Sampled				Not Sampled
	5/15/2014	Not Sampled				Not Sampled				Not Sampled
	5/20/2015	Not Sampled				Not Sampled				Not Sampled
	5/20/2016	Not Sampled				Not Sampled				Not Sampled
Rancho Durango East Spring	10/15/2008	60.5	12.9	14.8	0.7	<10	206	42	<10	250
	5/12/2009	Not Sampled				Not Sampled				Not Sampled
	6/29/2010	Not Sampled				Not Sampled				Not Sampled
	5/4/2010	Not Sampled				Not Sampled				Not Sampled
	5/4/2011	Not Sampled				Not Sampled				Not Sampled
	5/21/2012	Not Sampled				Not Sampled				Not Sampled
	5/23/2013	Not Sampled				Not Sampled				Not Sampled
	5/23/2013	Not Sampled				Not Sampled				Not Sampled
	5/20/2015	Not Sampled				Not Sampled				Not Sampled
	5/20/2016	Not Sampled				Not Sampled				Not Sampled
Vosburg Pike Spring	7/17/2015	Not Sampled				Not Sampled				Not Sampled
	5/20/2016	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)

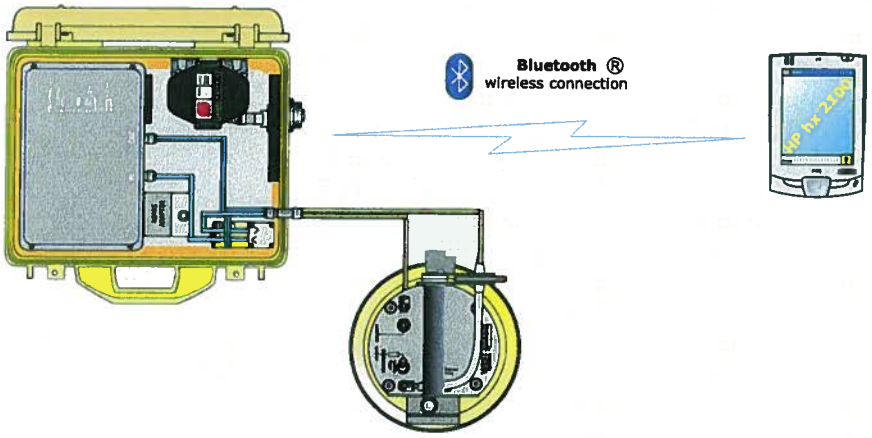
APPENDIX A

EQUIPMENT SPECIFICATIONS

WEST Systems portable soil flux meter

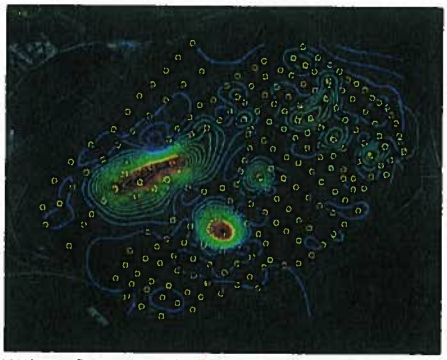
for Carbon dioxide, Methane and Hydrogen sulfide fluxes

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

WEST Systems

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Portable soil flux meter

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

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

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

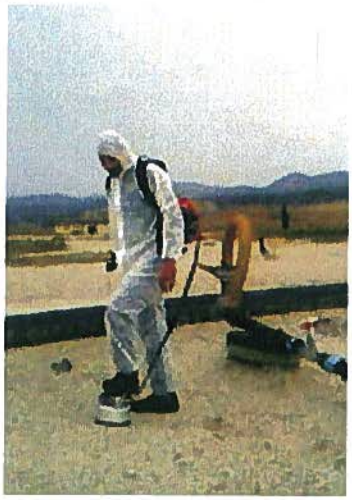
Palm top computer: PocketPC Color Display based on Windows Mobile operating system.
- PalmTop with cables, 0.3 Kg/0.7 lbs.
- Size 125mm (4.8") x 82mm (3.2") * 25 mm (1").

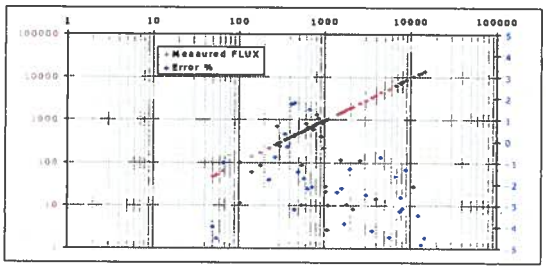
Software The instrument is supplied with a custom software, FluxManager, which allows recording and visualization of the increase in concentration of the target gas in the accumulation chamber, and then the flux calculations. The obtained measurements can be saved on the palmtop computer and then transferred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

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

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

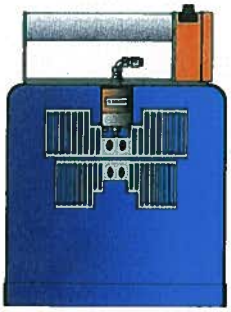
Finally we improved the connection between the instrument and the palmtop that now is based on BlueTooth wireless embedded device.





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

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



Accumulation Chamber Type B

The accumulation chambers

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

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

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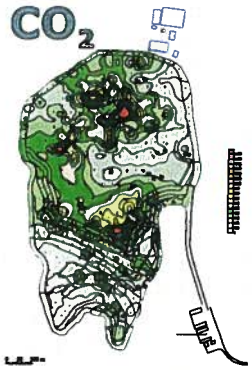


CO_2 - LI820

LI820 based Carbon dioxide fluxmeter

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

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

The accuracy depends on the measured flux:

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

WS-DRAGER CO_2

WS-DRAGER: CO_2 Flux measurement:

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

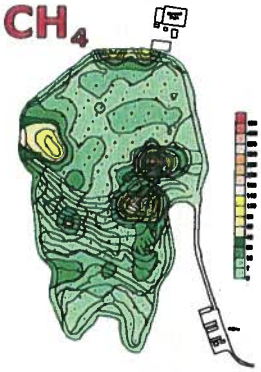
The precision depends on the measured flux:

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

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

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

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



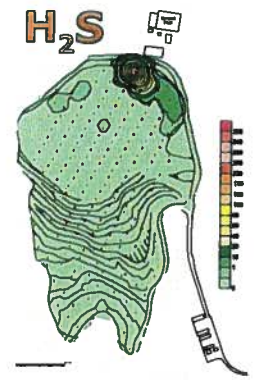
WS-HC CH^4

Methane fluxmeter

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

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

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



H_2S - WEST

Hydrogen sulfide

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

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

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

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

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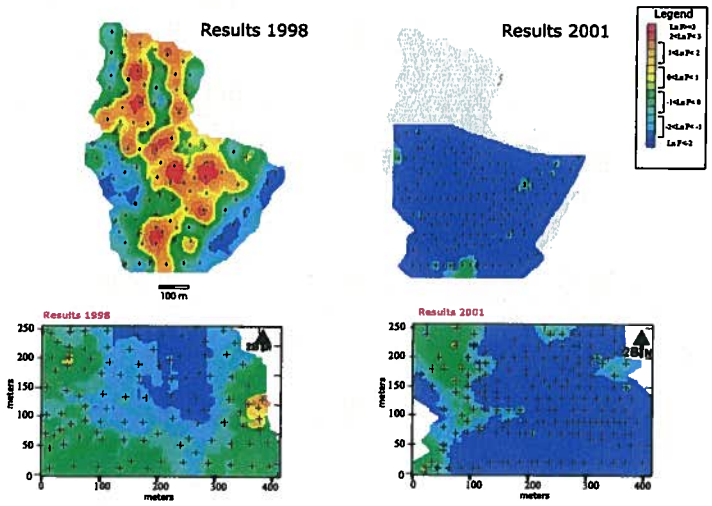
Application on a landfill: mapping the biogas non controlled emissions.

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



The obtained results:

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

Continuous soil flux monitoring

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

Local sales representative

H.Q.

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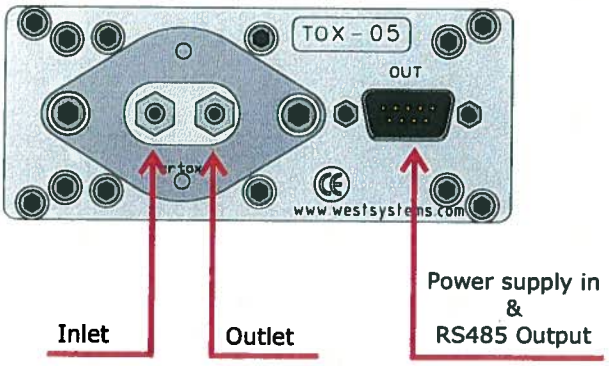
Hydrogen Sulfide Detector



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

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

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

The chemical cell reaction is:

$$H_2S + 2O_2 = H_2SO_4$$

the gas sample specific consuption is very low:

2.5×10^{-10} moles/Sec per ppm

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

Appendix M

WS-HC detector

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

Detector specifications:

Accuracy 5%

Repeatibility 2%

Resolution 22 ppm (Methane equivalent)

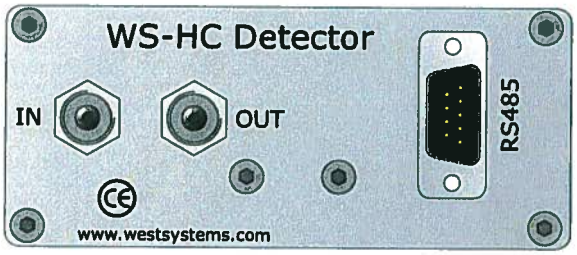
Full scale range is 50000 ppm of methane.

Detection limit 60 ppm.

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

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

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



RS485 Connector DB9 Male panel

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

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

LI-820 Specifications

CO_2 Specifications

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

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

Calibration Drift

[1]Zero Drift: < 0.15 ppm / °C

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

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

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

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

Measurement Principle: Non-Dispersive Infrared

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

Pressure Compensation Range: 15 kPa-115 kPa

Maximum Gas Flow Rate: 1 liter/minute

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

DAC Resolution: 14-bits across user-specified range

Source Life: 18000 hours

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

Supply Operating Range: 12-30 VDC

Operating Temperature Range: -20 to 45 °C

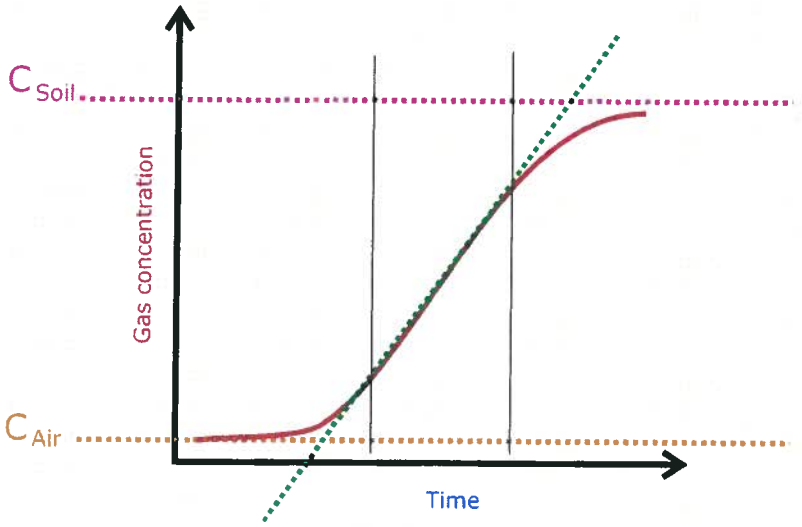
Relative Humidity Range: 0 to 95% RH, Non-Condensing

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

Weight: 2.2 lbs (1 kg)

Quantifying the flux

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



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

Choosing the flux measurement unit

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

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

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

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

Please see next page.

Quantifying the flux

Method 1: Measuring the slope

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

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

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

The accumulation chamber factors

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

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

Where

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

The dimensions of the A.c.K. are

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

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

An example:

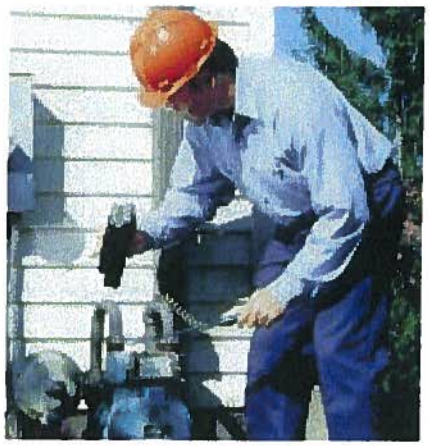
You're using the accumulation chamber B, the slope of the flux curve is 2.5 ppm/sec, the barometric pressure is 1008 mBar (HPa) and the air temperature is 22 °C.
From the table B get the value that correspond to the barometric pressure and temperature. In this case I get the value computed for 25°C and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

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

Gasport® Gas Tester

MSA

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



Applications

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

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

Features and Benefits

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

Specifications

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

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

The answer for gas utilities' gas detection needs

Gasport® Gas Tester

Ordering Information

Battery Chargers

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

Battery Packs

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

Sensors

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

Protective Boots

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

Sampling Equipment

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

Sampling Accessories

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

Calibration Check Equipment

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

Accessories

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

Approvals

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

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

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

Gasport Gas Tester Kits

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

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

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

ID 08-04-27-MC / May 2000

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

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

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

Offices and representatives worldwide
For further information:

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:	≥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.

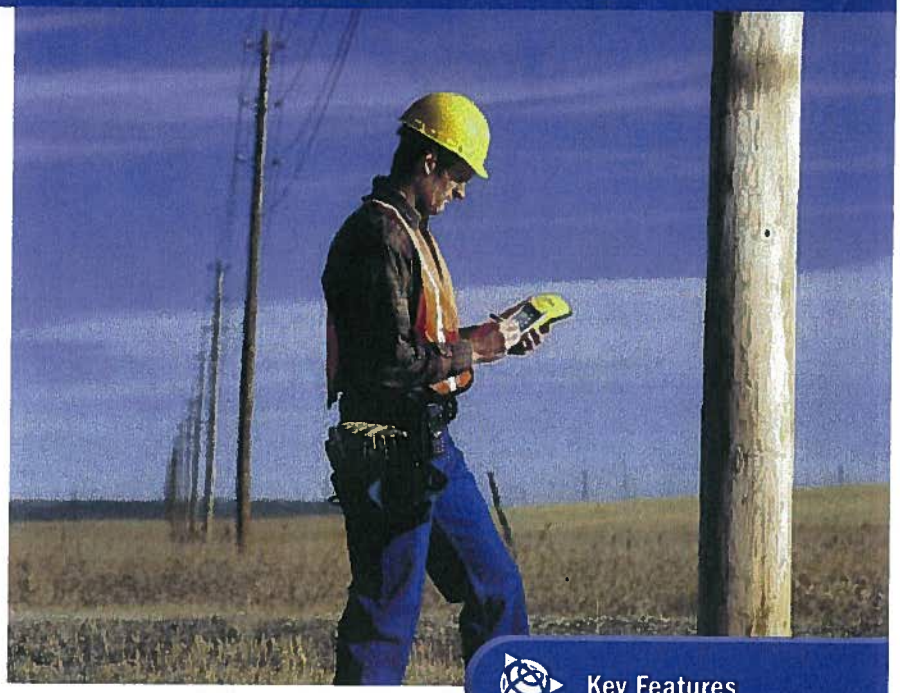
Windows Mobile includes familiar Microsoft productivity tools, including Pocket Word, Pocket Excel, and Pocket Outlook®. Pocket Outlook lets you synchronize e-mails, contacts, appointments, and data with your office computer, so whether you're in the office or in the field, you're always up to date.

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 vie 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
Baird062216_01	Baird	1230790	2330634	22-06-2016 09:19:34	0.00	0.00	0.26	787.0	28.6	0	-0.002	1.073
Baird062216_02	Baird	1230789	2330693	22-06-2016 09:22:07	0.00	0.00	0.00	787.1	29.5	0	-0.002	-0.15
Baird062216_03	Baird	1230795	2330762	22-06-2016 09:24:44	0.00	0.00	0.47	787.2	30.2	0	-0.004	1.918
Baird062216_04	Baird	1230778	2330816	22-06-2016 09:27:10	0.00	0.00	0.13	787.2	30.8	0	-0.004	0.536
Baird062216_05	Baird	1230789	2330857	22-06-2016 09:29:40	0.00	0.00	0.00	787.2	31.4	0	-0.011	0.009
Baird062216_06	Baird	1230748	2330847	22-06-2016 09:32:49	0.00	0.00	0.19	787.5	32.0	0	-0.001	0.783
Baird062216_07	Baird	1230691	2330854	22-06-2016 09:35:34	0.00	0.00	0.54	787.2	32.5	0	0	2.261
Baird062216_08	Baird	1230645	2330850	22-06-2016 09:38:19	0.00	0.00	0.02	787.2	33.1	0	-0.01	0.077
Baird062216_09	Baird	1230600	2330865	22-06-2016 09:41:37	0.00	0.00	0.22	787.2	33.9	0	0	0.925
Baird062216_10	Baird	1230602	2330796	22-06-2016 09:44:34	0.00	0.00	0.26	787.6	34.6	0	-0.001	1.076
Baird062216_11	Baird	1230610	2330743	22-06-2016 09:46:57	0.00	0.00	0.43	787.4	35.3	0	0	1.782
Baird062216_12	Baird	1230599	2330700	22-06-2016 09:49:27	0.00	0.00	0.05	787.1	36.0	0	-0.002	0.227
Baird062216_13	Baird	1230632	2330649	22-06-2016 09:52:33	0.00	0.00	0.01	787.3	36.9	0	-0.012	0.052
Baird062216_14	Baird	1230656	2330655	22-06-2016 09:55:11	0.00	0.00	0.11	787.2	37.6	0	-0.014	0.46
Baird062216_15	Baird	1230653	2330711	22-06-2016 09:57:35	0.00	0.00	0.02	787.4	38.3	-0.09	0	0.07
Baird062216_16	Baird	1230667	2330760	22-06-2016 10:00:41	0.00	0.00	0.17	787.1	39.1	0	-0.002	0.701
Baird062216_17	Baird	1230656	2330811	22-06-2016 10:03:04	0.00	0.00	0.22	787.1	39.6	0	-0.002	0.936
Baird062216_18	Baird	1230693	2330813	22-06-2016 10:05:14	0.00	0.00	0.17	787.1	39.9	0	-0.003	0.742
Baird062216_19	Baird	1230730	2330802	22-06-2016 10:08:24	0.00	0.00	0.38	787.0	40.3	0	0.012	1.597
Baird062216_20	Baird	1230694	2330751	22-06-2016 10:11:26	0.00	0.00	0.42	787.1	40.6	-0.018	-0.022	1.786
Baird062216_21	Baird	1230734	2330759	22-06-2016 10:13:57	0.00	0.00	0.23	787.1	40.9	0	0.015	1.001
Baird062216_22	Baird	1230691	2330706	22-06-2016 10:16:20	0.00	0.00	0.09	787.0	41.2	-0.061	-0.027	0.403
Baird062216_23	Baird	1230739	2330710	22-06-2016 10:18:27	0.00	0.00	0.06	786.9	41.4	0	-0.013	0.257
Baird062216_24	Baird	1230683	2330655	22-06-2016 10:21:02	0.00	0.00	0.19	787.1	41.8	0	-0.014	0.823
Baird062216_25	Baird	1230743	2330661	22-06-2016 10:23:42	0.00	0.00	0.34	787.5	42.2	0	-0.003	1.464
BasinCreek060616_01	BC-CJ	1209752	2304582	06-06-2016 09:56:57	0.00	0.00	0.05	799.9	30.3	0	0.004	0.211
BasinCreek060616_02	BC-CJ	1209951	2304576	06-06-2016 10:01:22	0.00	0.00	2.66	799.9	32.2	0	-0.009	10.852
BasinCreek060616_03	BC-CJ	1209963	2304367	06-06-2016 10:05:42	0.00	0.00	0.55	799.6	33.8	-0.001	0.003	2.256
BasinCreek060616_04	BC-CJ	1209768	2304390	06-06-2016 10:09:24	0.00	0.00	0.25	799.1	35.0	0	0.009	1.051
BasinCreek060616_05	BC-CJ	1209548	2304337	06-06-2016 10:13:35	0.00	0.01	0.29	799.6	36.1	-0.008	0.021	1.211
BasinCreek060616_06	BC-CJ	1209590	2304182	06-06-2016 10:17:02	0.00	0.01	0.51	800.8	36.8	0	0.027	2.126
BasinCreek060616_07	BC-CJ	1209797	2304200	06-06-2016 10:22:33	0.00	0.00	0.40	800.6	37.6	0	0.005	1.661
BasinCreek060616_08	BC-CJ	1209941	2304171	06-06-2016 10:26:17	0.00	0.00	0.16	800.2	38.2	-1.517	0.012	0.673
BasinCreek060616_09	BC-CJ	1209964	2303963	06-06-2016 10:29:43	0.00	0.00	0.18	799.9	38.7	-0.001	0.009	0.747
BasinCreek060616_10	BC-CJ	1209753	2303975	06-06-2016 10:39:00	0.00	0.00	0.26	800.2	40.3	-0.563	-0.01	1.108
BasinCreek060616_11	BC-CJ	1209967	2303859	06-06-2016 10:43:58	0.00	0.00	0.39	800.3	40.9	0	0.005	1.627

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek060616_12	BC-CJ	1209546	2303916	06-06-2016 10:57:46	0.00	0.00	0.21	800.1	42.5	0	0.002	0.898
BasinCreek060616_13	BC-CJ	1209359	2303766	06-06-2016 11:06:14	0.00	0.00	0.20	799.1	43.0	-2.218	-0.006	0.826
BasinCreek060616_14	BC-CJ	1209546	2303761	06-06-2016 11:11:35	0.00	0.00	0.77	797.9	43.3	-0.154	-0.004	3.284
BasinCreek060616_15	BC-CJ	1209741	2303765	06-06-2016 11:16:49	0.00	0.00	0.40	798.9	43.5	0	0.014	1.694
BasinCreek060616_16	BC-CJ	1209752	2303538	06-06-2016 11:23:13	0.00	0.00	0.26	799.0	43.9	-0.019	0.011	1.085
BasinCreek060616_17	BC-CJ	1209577	2303562	06-06-2016 11:30:55	0.52	0.00	0.25	799.3	44.0	2.19	0.002	1.065
BasinCreek060616_18	BC-CJ	1209614	2303538	06-06-2016 11:35:56	0.85	0.00	0.12	797.8	44.0	3.599	-0.004	0.505
BasinCreek060616_19	BC-CJ	1209365	2303568	06-06-2016 11:42:54	0.00	0.00	0.10	797.0	44.1	-0.092	0.001	0.445
BasinCreek060616_20	BC-CJ	1209376	2303410	06-06-2016 11:48:57	0.00	0.00	0.31	796.1	44.0	-0.158	0.012	1.312
BasinCreek060616_21	BC-CJ	1209551	2303360	06-06-2016 11:54:23	55.06	0.00	3.15	796.4	43.9	234.367	0.003	13.428
BasinCreek060616_22	BC-CJ	1209340	2303153	06-06-2016 12:04:03	0.00	0.00	0.46	795.5	44.2	-18.632	0.006	1.966
BasinCreek060616_23	BC-CJ	1209199	2303112	06-06-2016 12:08:43	0.00	0.01	0.46	793.3	44.4	-0.001	0.055	1.98
BasinCreek060616_24	BC-CJ	1209153	2302982	06-06-2016 12:12:58	0.00	0.00	0.09	792.4	44.7	-1.186	0.011	0.38
BasinCreek060616_25	BC-CJ	1209328	2302950	06-06-2016 12:20:41	0.00	0.00	0.05	790.9	45.0	-0.127	0.005	0.229
BasinCreek060616_26	BC-CJ	1209166	2302771	06-06-2016 12:27:11	0.00	0.00	0.66	790.6	45.2	-0.035	0.011	2.847
BasinCreek060616_27	BC-CJ	1209348	2302722	06-06-2016 12:34:58	0.00	0.00	0.08	788.7	45.1	-0.001	0.01	0.365
BasinCreek060616_28	BC-CJ	1209399	2302650	06-06-2016 12:39:07	0.00	0.01	0.55	789.7	44.9	-0.025	0.035	2.376
BasinCreek060616_29	BC-CJ	1209528	2302619	06-06-2016 12:47:58	0.42	0.00	0.19	790.9	44.7	1.784	0.001	0.805
BasinCreek060616_30	BC-CJ	1209521	2302791	06-06-2016 12:55:10	186.07	0.01	8.21	791.3	45.1	800.108	0.044	35.323
BasinCreek060616_31	BC-CJ	1209546	2302810	06-06-2016 12:58:31	0.00	0.01	0.01	791.4	45.1	-1.267	0.024	0.037
BasinCreek060616_32	BC-CJ	1209537	2302993	06-06-2016 13:04:34	3.06	0.00	2.96	791.7	45.4	13.178	0.013	12.744
BasinCreek060616_33	BC-CJ	1209529	2303137	06-06-2016 13:11:19	0.00	0.00	0.46	793.9	45.7	0	0.018	1.975
BasinCreek060616_34	BC-CJ	1209686	2303293	06-06-2016 13:24:11	0.00	0.01	2.37	793.9	46.0	0	0.026	10.169
BasinCreek060616_35	BC-CJ	1209735	2303331	06-06-2016 13:27:28	0.00	0.00	0.29	797.9	46.0	0	0.003	1.22
BasinCreek060616_36	BC-CJ	1209731	2303153	06-06-2016 13:31:47	8.94	0.00	4.62	798.2	46.0	38.213	0.013	19.759
BasinCreek060616_37	BC-CJ	1209756	2303035	06-06-2016 13:36:02	0.00	0.00	0.55	797.5	46.1	0	0.018	2.369
BasinCreek060616_38	BC-CJ	1209756	2302922	06-06-2016 13:41:19	0.00	0.00	1.47	797.5	46.2	0	0.013	6.275
BasinCreek060616_39	BC-CJ	1209740	2302828	06-06-2016 13:46:06	0.00	0.00	1.06	796.3	46.3	0	0.012	4.555
BasinCreek060616_40	BC-CJ	1209846	2302687	06-06-2016 13:51:42	0.00	0.00	0.15	795.4	46.4	0	0.018	0.638
BasinCreek060616_41	BC-CJ	1209982	2302831	06-06-2016 13:56:49	0.00	0.01	0.01	795.9	46.6	0	0.024	0.046
BasinCreek060616_42	BC-CJ	1209993	2302993	06-06-2016 14:00:11	0.00	0.00	0.04	797.2	46.8	0	0.011	0.165
BasinCreek060616_43	BC-CJ	1209999	2303172	06-06-2016 14:03:25	0.00	0.00	0.01	797.6	47.1	0	0.015	0.034
BasinCreek060616_44	BC-CJ	1209990	2303360	06-06-2016 14:06:09	0.00	0.00	0.03	798.9	47.4	0	-0.01	0.143
BasinCreek060616_45	BC-CJ	1209976	2303563	06-06-2016 14:09:28	0.00	0.00	0.01	798.2	47.8	-5.554	-0.005	0.052
BasinCreek060616_46	BC-CJ	1210134	2303569	06-06-2016 14:13:28	0.00	0.00	0.30	798.3	48.1	0	0.021	1.309
BasinCreek060616_47	BC-CJ	1210140	2303376	06-06-2016 14:16:36	0.00	0.00	0.21	797.0	48.3	0	0.02	0.898

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek060616_48	BC-CJ	1210138	2303788	06-06-2016 14:20:08	0.00	0.00	0.28	796.9	48.6	0	0.014	1.202
BasinCreek060616_49	BC-CJ	1210139	2303997	06-06-2016 14:23:04	0.00	0.00	0.05	797.1	48.7	0	0.015	0.219
BasinCreek060616_50	BC-CJ	1210176	2304201	06-06-2016 14:27:26	0.00	0.01	0.92	797.0	49.0	0	0.028	3.959
BasinCreek060616_51	BC-CJ	1210189	2304388	06-06-2016 14:31:55	0.00	0.00	0.07	796.5	49.2	0	0.017	0.286
BasinCreek060616_52	BC-CJ	1210189	2304357	06-06-2016 14:35:28	0.00	0.01	0.35	796.9	49.3	0	0.048	1.528
BasinCreek060616_53	BC-CJ	1210309	2304338	06-06-2016 14:38:35	0.00	0.00	0.13	796.4	49.3	0	-0.017	0.583
BasinCreek060616_54	BC-CJ	1210317	2304179	06-06-2016 14:42:19	0.00	0.00	0.28	796.3	49.3	0	0.02	1.23
BasinCreek060616_55	BC-CJ	1210374	2304047	06-06-2016 14:46:14	0.00	0.01	0.08	795.8	49.3	0	0.024	0.346
BasinCreek060716_100	BC-CJ	1208471	2300970	07-06-2016 14:49:35	0.00	0.00	0.10	780.8	46.1	0	0.02	0.453
BasinCreek060716_101	BC-CJ	1208656	2300978	07-06-2016 15:00:04	0.92	0.00	0.16	783.2	46.1	4.003	0.015	0.708
BasinCreek060716_102	BC-CJ	1208641	2301190	07-06-2016 15:12:19	0.00	0.01	0.00	783.2	46.3	-4.13	0.024	-0.121
BasinCreek060716_103	BC-CJ	1208505	2301141	07-06-2016 15:18:25	0.00	0.00	0.21	781.6	46.5	-1.224	0.016	0.925
BasinCreek060716_104	BC-CJ	1208721	2301214	07-06-2016 15:25:50	0.00	0.01	0.27	780.1	46.8	0	0.06	1.2
BasinCreek060716_105	BC-CJ	1208755	2301363	07-06-2016 15:31:07	0.00	0.01	0.25	782.3	46.8	0	0.025	1.078
BasinCreek060716_106	BC-CJ	1208853	2301340	07-06-2016 15:35:14	0.00	0.01	0.46	781.9	46.8	0	0.065	2.014
BasinCreek060716_107	BC-CJ	1208796	2301521	07-06-2016 15:44:30	0.00	0.01	0.02	784.0	46.7	0	0.037	0.108
BasinCreek060716_108	BC-CJ	1208939	2301592	07-06-2016 15:49:35	0.00	0.01	0.28	782.7	46.5	0	0.04	1.23
BasinCreek060716_109	BC-CJ	1209158	2301757	07-06-2016 15:56:17	0.00	0.01	0.10	783.4	46.6	-0.003	0.024	0.422
BasinCreek060716_110	BC-CJ	1209121	2301905	07-06-2016 16:00:27	0.00	0.01	0.00	783.9	46.7	0	0.022	-0.203
BasinCreek060716_111	BC-CJ	1208999	2301813	07-06-2016 16:07:04	0.00	0.00	0.00	784.8	46.8	0	0.02	-0.343
BasinCreek060716_56	BC-CJ	1209697	2302169	07-06-2016 08:58:16	0.00	0.00	0.02	794.2	28.5	0	-0.007	0.085
BasinCreek060716_57	BC-CJ	1209564	2302134	07-06-2016 09:02:30	0.00	0.00	0.09	794.2	29.6	0	-0.004	0.374
BasinCreek060716_58	BC-CJ	1209651	2301963	07-06-2016 09:07:34	0.00	0.00	0.03	794.6	30.8	-0.117	-0.025	0.122
BasinCreek060716_59	BC-CJ	1209609	2301827	07-06-2016 09:12:38	0.00	0.00	0.09	794.6	32.1	-1.448	-0.006	0.359
BasinCreek060716_60	BC-CJ	1209571	2301995	07-06-2016 09:18:41	0.00	0.00	0.00	794.2	33.5	0	-0.017	0.017
BasinCreek060716_61	BC-CJ	1209408	2302133	07-06-2016 09:23:41	0.00	0.00	0.32	792.6	34.4	0	-0.009	1.319
BasinCreek060716_62	BC-CJ	1209372	2301971	07-06-2016 09:33:18	0.47	0.00	1.00	792.8	35.6	1.942	0.01	4.176
BasinCreek060716_63	BC-CJ	1209322	2301820	07-06-2016 09:37:34	1.69	0.00	0.55	789.8	36.3	7.061	0.006	2.305
BasinCreek060716_64	BC-CJ	1209210	2301568	07-06-2016 09:48:11	0.00	0.00	0.92	788.7	37.4	0	0.006	3.884
BasinCreek060716_65	BC-CJ	1209363	2301579	07-06-2016 09:53:33	0.00	0.00	0.52	787.9	37.8	0	0.016	2.189
BasinCreek060716_66	BC-CJ	1209470	2301634	07-06-2016 09:59:15	0.00	0.00	0.18	790.7	38.0	0	0.003	0.767
BasinCreek060716_67	BC-CJ	1209489	2301767	07-06-2016 10:06:04	0.00	0.00	0.22	792.9	38.0	0	0	0.93
BasinCreek060716_68	BC-CJ	1209137	2301417	07-06-2016 10:26:17	0.00	0.00	0.57	792.9	38.5	0	0.004	2.397
BasinCreek060716_69	BC-CJ	1209109	2301363	07-06-2016 10:37:09	5.67	0.00	3.43	790.2	38.6	23.897	0.013	14.481
BasinCreek060716_70	BC-CJ	1209033	2301223	07-06-2016 10:46:15	0.00	0.00	0.27	790.8	39.1	0	-0.002	1.145
BasinCreek060716_71	BC-CJ	1209007	2301161	07-06-2016 10:52:00	1.39	0.00	1.68	790.6	39.1	5.855	0.001	7.11

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek060716_72	BC-CJ	1208912	2301054	07-06-2016 10:56:33	26.50	0.00	3.71	790.5	39.3	111.998	0.02	15.663
BasinCreek060716_73	BC-CJ	1208987	2300997	07-06-2016 11:01:22	0.00	0.00	0.00	790.1	39.4	0	-0.014	-0.276
BasinCreek060716_74	BC-CJ	1209024	2301037	07-06-2016 11:04:22	0.00	0.00	0.00	791.0	39.5	0	-0.019	-0.198
BasinCreek060716_75	BC-CJ	1209064	2301053	07-06-2016 11:08:30	0.00	0.00	0.00	791.9	39.7	0	-0.007	-0.295
BasinCreek060716_76	BC-CJ	1209116	2301142	07-06-2016 11:12:46	0.00	0.00	0.00	792.4	39.9	0	-0.006	-0.035
BasinCreek060716_77	BC-CJ	1209187	2301285	07-06-2016 11:19:05	0.00	0.00	0.00	793.2	40.0	0	-0.019	-0.215
BasinCreek060716_78	BC-CJ	1209120	2300921	07-06-2016 11:48:12	0.00	0.00	0.00	792.1	39.3	0	-0.027	-0.249
BasinCreek060716_79	BC-CJ	1209007	2300822	07-06-2016 11:54:34	0.00	0.00	0.04	789.7	39.4	0	-0.019	0.175
BasinCreek060716_80	BC-CJ	1209095	2300728	07-06-2016 12:00:31	0.00	0.00	0.08	788.2	39.9	0	-0.002	0.354
BasinCreek060716_81	BC-CJ	1209149	2300735	07-06-2016 12:05:33	0.00	0.00	0.00	786.9	40.4	0	0.008	-0.047
BasinCreek060716_82	BC-CJ	1209126	2300622	07-06-2016 12:09:32	0.00	0.00	0.00	787.1	40.7	0	-0.021	-0.672
BasinCreek060716_83	BC-CJ	1209081	2300597	07-06-2016 12:17:25	6.68	0.00	1.27	786.9	41.2	28.54	-0.007	5.433
BasinCreek060716_84	BC-CJ	1209099	2300473	07-06-2016 12:23:29	0.00	0.00	0.27	786.9	41.5	-0.612	-0.006	1.149
BasinCreek060716_85	BC-CJ	1209135	2300484	07-06-2016 12:26:58	0.00	0.01	0.17	786.9	41.7	0	0.029	0.741
BasinCreek060716_86	BC-CJ	1209107	2300376	07-06-2016 12:31:49	0.00	0.00	0.00	787.0	42.0	-0.092	0.018	-0.958
BasinCreek060716_87	BC-CJ	1209012	2300334	07-06-2016 12:38:54	64.28	0.01	1.98	784.2	42.3	276.443	0.027	8.52
BasinCreek060716_88	BC-CJ	1209017	2300427	07-06-2016 12:45:12	0.00	0.01	0.75	784.2	42.5	-1.64	0.033	3.207
BasinCreek060716_89	BC-CJ	1209047	2300276	07-06-2016 13:05:16	0.00	0.00	0.07	785.1	42.7	0	0.009	0.318
BasinCreek060716_90	BC-CJ	1209008	2300152	07-06-2016 13:07:29	0.00	0.00	0.22	785.1	43.1	0	-0.001	0.95
BasinCreek060716_91	BC-CJ	1208956	2300161	07-06-2016 13:12:38	0.00	0.00	0.00	785.5	43.1	0	0.005	-2.522
BasinCreek060716_92	BC-CJ	1208724	2300171	07-06-2016 13:33:47	0.00	0.00	0.22	779.3	42.9	0	-0.13	0.937
BasinCreek060716_93	BC-CJ	1208700	2299946	07-06-2016 13:47:03	0.00	0.00	0.24	779.3	43.5	0	-0.008	1.064
BasinCreek060716_94	BC-CJ	1208760	2300400	07-06-2016 14:09:55	0.00	0.00	0.26	781.3	45.6	-1.187	0.015	1.118
BasinCreek060716_95	BC-CJ	1208907	2300517	07-06-2016 14:16:58	0.00	0.00	0.30	778.9	45.9	0	0.019	1.31
BasinCreek060716_96	BC-CJ	1208776	2300579	07-06-2016 14:22:41	0.00	0.00	0.10	780.9	46.1	0	0.016	0.431
BasinCreek060716_97	BC-CJ	1208782	2300732	07-06-2016 14:30:14	0.00	0.01	0.15	780.8	46.2	0	0.04	0.644
BasinCreek060716_98	BC-CJ	1208641	2300756	07-06-2016 14:35:00	0.00	0.01	0.38	783.0	46.2	0	0.022	1.656
BasinCreek060716_99	BC-CJ	1208556	2300783	07-06-2016 14:41:19	0.00	0.00	0.24	782.0	46.2	-1.789	0.018	1.042
BasinCreek060816_112	BC-CJ	1209572	2302357	08-06-2016 10:19:15	0.00	0.00	0.02	794.8	33.4	0	0.012	0.073
BasinCreek060816_113	BC-CJ	1209369	2302396	08-06-2016 10:24:02	0.00	0.00	0.14	794.8	34.4	0	0.011	0.592
BasinCreek060816_114	BC-CJ	1209312	2302149	08-06-2016 10:32:24	2.99	0.01	1.88	794.6	35.7	12.443	0.023	7.81
BasinCreek060816_115	BC-CJ	1209125	2302133	08-06-2016 10:39:35	0.00	0.00	0.02	790.7	36.7	-0.534	0.02	0.084
BasinCreek060816_116	BC-CJ	1208946	2301996	08-06-2016 10:46:41	0.00	0.00	0.12	790.9	37.5	0	0.011	0.485
BasinCreek060816_117	BC-CJ	1208784	2301766	08-06-2016 10:53:51	0.00	0.00	0.06	788.5	38.3	-0.002	0.018	0.237
BasinCreek060816_118	BC-CJ	1208745	2301912	08-06-2016 10:59:11	0.00	0.00	0.21	785.8	39.0	-0.259	0.02	0.91
BasinCreek060816_119	BC-CJ	1208883	2302119	08-06-2016 11:07:46	0.00	0.00	0.13	787.7	39.8	0	0.012	0.532

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek060816_120	BC-CJ	1208937	2302315	08-06-2016 11:15:27	0.00	0.00	0.07	787.7	40.3	0	0.01	0.291
BasinCreek060816_121	BC-CJ	1208976	2302516	08-06-2016 11:27:01	0.00	0.00	0.14	789.3	40.3	0	0.016	0.596
BasinCreek060816_122	BC-CJ	1209105	2302554	08-06-2016 11:34:12	0.00	0.00	0.09	788.9	40.3	0	0.009	0.373
BasinCreek060816_123	BC-CJ	1209143	2302328	08-06-2016 11:44:03	0.00	0.00	0.94	789.4	40.8	0	0.005	3.994
BasinCreek060816_124	BC-CJ	1210136	2304807	08-06-2016 12:27:02	0.00	0.00	0.06	792.5	42.3	-0.827	0.01	0.259
BasinCreek060816_125	BC-CJ	1210291	2304741	08-06-2016 12:31:04	0.00	0.00	0.11	795.4	42.1	0	0.006	0.456
BasinCreek060816_126	BC-CJ	1210195	2304585	08-06-2016 12:36:42	0.00	0.01	0.19	795.2	42.2	0	0.025	0.797
BasinCreek060816_127	BC-CJ	1210315	2304507	08-06-2016 12:41:52	0.00	0.01	1.44	795.9	42.3	0	0.031	6.108
BasinCreek060816_128	BC-CJ	1210301	2304501	08-06-2016 12:44:14	0.00	0.01	1.12	796.1	42.3	0	0.051	4.737
BasinCreek060816_129	BC-CJ	1210294	2304517	08-06-2016 12:47:13	0.00	0.01	0.77	796.1	42.5	0	0.042	3.256
BasinCreek060816_130	BC-CJ	1210305	2304519	08-06-2016 12:50:35	0.00	0.00	0.32	796.1	42.8	0	0.02	1.353
BasinCreek060816_131	BC-CJ	1210308	2304505	08-06-2016 12:54:11	4443.70	0.59	26.05	796.1	43.1	18873.68	2.496	110.635
BasinCreek060816_132	BC-CJ	1210289	2304509	08-06-2016 12:57:59	0.00	0.00	0.35	796.3	43.5	-0.527	-0.087	1.49
BasinCreek060816_133	BC-CJ	1210307	2304519	08-06-2016 13:01:49	0.00	0.00	0.24	796.1	44.0	0	0.004	1.026
BasinCreek060816_134	BC-CJ	1210327	2304510	08-06-2016 13:05:57	0.00	0.01	0.54	796.1	44.4	0	0.024	2.284
BasinCreek060816_135	BC-CJ	1210339	2304526	08-06-2016 13:09:02	0.00	0.00	0.20	795.8	44.8	0	0.015	0.836
BasinCreek060816_136	BC-CJ	1210358	2304545	08-06-2016 13:12:02	0.00	0.00	0.08	795.6	45.0	0	0.02	0.358
BasinCreek060816_137	BC-CJ	1210329	2304546	08-06-2016 13:14:32	0.00	0.00	0.13	795.8	45.2	0	0.017	0.536
BasinCreek060816_138	BC-CJ	1210313	2304564	08-06-2016 13:17:01	0.00	0.00	0.15	795.6	45.3	0	0.006	0.658
BasinCreek060816_139	BC-CJ	1210318	2304616	08-06-2016 13:20:05	0.00	0.00	0.11	795.2	45.3	-0.147	0.007	0.47
BasinCreek060816_140	BC-CJ	1210352	2304608	08-06-2016 13:23:36	0.00	0.00	0.25	794.7	45.4	0	0.019	1.074
BasinCreek060816_141	BC-CJ	1210525	2304972	08-06-2016 13:32:11	0.00	0.00	0.11	794.8	45.6	0	0.018	0.47
BasinCreek060816_142	BC-CJ	1210556	2304830	08-06-2016 13:37:05	0.00	0.00	0.20	792.9	45.7	0	0.014	0.871
BasinCreek060816_143	BC-CJ	1210570	2304590	08-06-2016 13:42:38	0.00	0.01	0.64	794.3	45.6	0	0.048	2.747
BasinCreek060816_144	BC-CJ	1210428	2304465	08-06-2016 13:47:08	0.00	0.00	1.21	795.2	45.4	0	0.017	5.166
BasinCreek060816_145	BC-CJ	1210504	2304405	08-06-2016 13:50:01	0.00	0.00	0.13	796.8	45.2	0	0.005	0.573
BasinCreek060816_146	BC-CJ	1210518	2304183	08-06-2016 13:53:49	0.00	0.01	0.22	796.4	45.0	0	0.025	0.928
BasinCreek060816_147	BC-CJ	1210508	2303992	08-06-2016 14:07:07	0.00	0.00	0.01	795.8	44.1	0	0.016	0.029
BasinCreek060816_148	BC-CJ	1210548	2303829	08-06-2016 14:10:51	0.00	0.00	0.17	794.1	43.5	0	0.004	0.737
BasinCreek060816_149	BC-CJ	1210783	2303849	08-06-2016 14:17:44	0.00	0.01	0.48	793.3	43.0	0	0.057	2.042
BasinCreek060816_150	BC-CJ	1210844	2303610	08-06-2016 14:23:04	0.00	0.01	0.08	790.8	42.7	0	0.023	0.352
BasinCreek060816_151	BC-CJ	1211034	2303399	08-06-2016 14:29:34	0.00	0.02	0.19	791.0	42.6	0	0.078	0.794
BasinCreek060816_152	BC-CJ	1210991	2303600	08-06-2016 14:35:52	0.00	0.02	0.04	788.9	42.7	0	0.069	0.182
BasinCreek060816_153	BC-CJ	1210984	2303713	08-06-2016 14:39:56	0.00	0.00	0.00	788.7	42.5	0	0.011	-0.087
BasinCreek060816_154	BC-CJ	1210968	2303996	08-06-2016 14:45:30	0.00	0.01	0.09	788.6	42.4	0	0.038	0.403
BasinCreek060816_155	BC-CJ	1210747	2303970	08-06-2016 14:50:22	0.00	0.01	0.26	791.4	42.1	0	0.038	1.097

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek060816_156	BC-CJ	1210961	2304171	08-06-2016 14:56:34	0.00	0.01	0.15	792.1	41.7	0	0.031	0.625
BasinCreek060816_157	BC-CJ	1210739	2304143	08-06-2016 15:02:11	0.00	0.01	0.18	793.9	41.5	0	0.031	0.742
BasinCreek060816_158	BC-CJ	1210933	2304329	08-06-2016 15:11:56	0.00	0.01	0.19	796.1	40.7	0	0.028	0.815
BasinCreek060916_159	BC-CJ	1211181	2303712	09-06-2016 09:04:21	0.00	0.00	0.11	798.4	28.5	0	-0.007	0.448
BasinCreek060916_160	BC-CJ	1211224	2303517	09-06-2016 09:10:50	0.00	0.01	0.53	790.3	29.7	0	0.026	2.191
BasinCreek060916_161	BC-CJ	1211175	2303396	09-06-2016 09:16:07	0.00	0.00	0.39	788.0	31.0	-0.197	-0.006	1.626
BasinCreek060916_162	BC-CJ	1211332	2303374	09-06-2016 09:22:30	0.00	0.00	0.18	788.2	32.6	0	0.005	0.748
BasinCreek060916_163	BC-CJ	1211585	2303323	09-06-2016 09:30:57	0.00	0.00	0.16	786.7	34.7	-0.002	0.008	0.654
BasinCreek060916_164	BC-CJ	1211565	2303536	09-06-2016 09:38:43	0.00	0.00	0.11	785.5	36.0	-1.492	0.014	0.473
BasinCreek060916_165	BC-CJ	1211379	2303521	09-06-2016 09:43:51	0.00	0.00	0.07	787.9	36.5	0	0.002	0.274
BasinCreek060916_166	BC-CJ	1211611	2303743	09-06-2016 09:52:53	0.00	0.00	0.18	788.2	37.6	-0.255	0.015	0.772
BasinCreek060916_167	BC-CJ	1211400	2303847	09-06-2016 10:03:18	0.00	0.01	0.00	792.9	38.6	0	0.025	-0.13
BasinCreek060916_168	BC-CJ	1211349	2303797	09-06-2016 10:10:03	0.00	0.00	0.09	793.4	39.0	0	-0.015	0.374
BasinCreek060916_169	BC-CJ	1211219	2303978	09-06-2016 10:16:11	0.00	0.01	0.44	792.9	39.6	0	0.035	1.873
BasinCreek060916_170	BC-CJ	1211191	2304175	09-06-2016 10:21:08	0.00	0.00	0.05	795.6	40.0	0	0.019	0.214
BasinCreek060916_171	BC-CJ	1211171	2304327	09-06-2016 10:26:12	0.00	0.00	0.17	795.5	40.3	-0.004	0.02	0.71
BasinCreek060916_172	BC-CJ	1211355	2304430	09-06-2016 10:32:04	0.00	0.00	0.10	795.6	40.5	0	0.011	0.43
BasinCreek060916_173	BC-CJ	1211375	2304214	09-06-2016 10:37:38	0.00	0.00	0.00	793.3	40.6	-0.387	0.008	-0.257
BasinCreek060916_174	BC-CJ	1211527	2304163	09-06-2016 10:42:52	0.00	0.00	0.04	793.7	40.9	-1.834	0.019	0.159
BasinCreek060916_175	BC-CJ	1211610	2304373	09-06-2016 10:47:26	0.00	0.00	0.07	791.7	41.0	0	0.016	0.282
BasinCreek060916_176	BC-CJ	1211742	2304371	09-06-2016 10:53:11	0.00	0.00	0.04	791.4	41.2	0	0.011	0.153
BasinCreek060916_177	BC-CJ	1211714	2304155	09-06-2016 11:00:02	0.00	0.00	0.07	789.4	41.3	-0.082	0.006	0.301
BasinCreek060916_178	BC-CJ	1212003	2304226	09-06-2016 11:07:33	0.00	0.00	0.35	789.1	41.5	-0.009	0.018	1.483
BasinCreek060916_179	BC-CJ	1211971	2304372	09-06-2016 11:15:01	0.00	0.01	0.33	787.5	41.6	-0.307	0.046	1.428
BasinCreek060916_180	BC-CJ	1211955	2304515	09-06-2016 11:19:38	0.87	0.00	0.38	786.3	41.6	3.721	0.015	1.632
BasinCreek060916_181	BC-CJ	1212176	2304546	09-06-2016 11:25:21	0.00	0.00	0.16	786.0	41.8	-0.001	0.015	0.683
BasinCreek060916_182	BC-CJ	1212159	2304366	09-06-2016 11:29:06	0.00	0.00	0.64	783.6	41.9	-0.056	0.008	2.753
BasinCreek060916_183	BC-CJ	1212193	2304173	09-06-2016 11:33:37	0.00	0.01	0.22	785.0	42.0	-0.075	0.055	0.946
BasinCreek060916_184	BC-CJ	1212329	2304109	09-06-2016 11:38:08	0.00	0.00	0.21	785.4	42.2	-0.061	0.011	0.911
BasinCreek060916_185	BC-CJ	1212370	2304384	09-06-2016 11:43:57	0.00	0.01	1.56	783.6	42.4	0	0.036	6.712
BasinCreek060916_186	BC-CJ	1212355	2304473	09-06-2016 11:48:12	0.00	0.01	2.54	783.5	42.6	-0.579	0.034	10.964
BasinCreek060916_187	BC-CJ	1212333	2304565	09-06-2016 11:51:56	0.48	0.00	1.86	781.9	42.7	2.052	0.01	8.05
BasinCreek060916_188	BC-CJ	1212355	2304756	09-06-2016 11:57:18	5.47	0.00	0.97	781.9	43.1	23.664	0.012	4.204
BasinCreek060916_189	BC-CJ	1212200	2304789	09-06-2016 12:02:09	0.00	0.00	0.20	782.3	43.5	-0.502	-0.002	0.846
BasinCreek060916_190	BC-CJ	1212341	2304948	09-06-2016 12:07:48	0.00	0.00	0.82	783.9	43.9	0	0.018	3.559
BasinCreek060916_191	BC-CJ	1212153	2304941	09-06-2016 12:14:30	0.00	0.00	0.09	783.1	44.2	0	0.007	0.369

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek060916_192	BC-CJ	1212121	2305142	09-06-2016 12:29:10	0.00	0.02	0.77	783.2	44.8	-0.001	0.104	3.343
BasinCreek060916_193	BC-CJ	1212044	2304934	09-06-2016 12:33:17	0.00	0.01	1.18	784.4	44.8	0	0.036	5.134
BasinCreek060916_194	BC-CJ	1211991	2304896	09-06-2016 12:36:10	0.39	0.02	1.26	783.5	44.8	1.706	0.092	5.449
BasinCreek060916_195	BC-CJ	1211964	2304926	09-06-2016 12:40:30	0.00	0.00	0.39	783.6	44.9	-0.353	0.007	1.696
BasinCreek060916_196	BC-CJ	1211944	2304934	09-06-2016 12:43:11	1.23	0.00	0.71	783.8	45.0	5.331	0.011	3.064
BasinCreek060916_197	BC-CJ	1211955	2304955	09-06-2016 12:45:23	0.48	0.00	1.04	783.9	45.1	2.071	0.004	4.528
BasinCreek060916_198	BC-CJ	1211943	2304996	09-06-2016 12:48:44	0.56	0.00	0.29	783.9	45.2	2.451	0.007	1.246
BasinCreek060916_199	BC-CJ	1211933	2305078	09-06-2016 12:52:48	0.00	0.01	0.14	784.2	45.4	-0.136	0.026	0.605
BasinCreek060916_200	BC-CJ	1211913	2304740	09-06-2016 12:58:27	0.00	0.01	1.10	784.7	45.5	0	0.052	4.769
BasinCreek060916_201	BC-CJ	1211782	2304604	09-06-2016 13:03:43	0.00	0.01	0.12	785.0	45.5	-0.102	0.03	0.509
BasinCreek060916_202	BC-CJ	1211773	2304822	09-06-2016 13:08:48	0.00	0.01	0.07	786.3	45.6	-0.038	0.031	0.305
BasinCreek060916_203	BC-CJ	1211789	2305011	09-06-2016 13:13:14	0.00	0.01	0.25	784.8	45.6	-2.303	0.065	1.093
BasinCreek060916_204	BC-CJ	1211780	2305124	09-06-2016 13:17:27	0.00	0.00	0.09	785.0	45.6	-0.349	0.017	0.389
BasinCreek060916_205	BC-CJ	1211565	2304956	09-06-2016 13:22:34	0.00	0.01	0.29	786.2	45.5	-0.58	0.045	1.272
BasinCreek060916_206	BC-CJ	1211527	2304741	09-06-2016 13:26:25	0.00	0.02	0.25	786.6	45.3	-0.084	0.103	1.084
BasinCreek060916_207	BC-CJ	1211548	2304615	09-06-2016 13:31:14	0.00	0.01	1.34	785.9	45.0	-2.26	0.034	5.783
BasinCreek060916_208	BC-CJ	1211406	2304772	09-06-2016 13:35:55	0.00	0.01	1.17	787.3	44.7	0	0.042	5.052
BasinCreek060916_209	BC-CJ	1211357	2305023	09-06-2016 13:40:48	0.00	0.01	0.18	786.6	44.4	0	0.041	0.776
BasinCreek060916_210	BC-CJ	1211239	2304988	09-06-2016 13:44:16	0.00	0.01	0.22	787.3	44.1	0	0.047	0.957
BasinCreek060916_211	BC-CJ	1211339	2304641	09-06-2016 13:50:33	0.00	0.00	0.82	787.9	43.8	-0.162	0.015	3.531
BasinCreek060916_212	BC-CJ	1211207	2304775	09-06-2016 13:54:26	0.00	0.01	0.17	788.3	43.4	0	0.037	0.747
BasinCreek060916_213	BC-CJ	1211130	2304655	09-06-2016 13:58:38	0.00	0.01	0.17	787.5	43.2	0	0.06	0.748
BasinCreek060916_214	BC-CJ	1210972	2304993	09-06-2016 14:05:30	0.00	0.00	0.14	789.4	42.9	0	0.011	0.608
BasinCreek060916_215	BC-CJ	1210914	2304811	09-06-2016 14:08:52	0.00	0.01	0.29	790.4	42.6	-1.679	0.058	1.242
BasinCreek060916_216	BC-CJ	1210937	2304644	09-06-2016 14:12:46	0.00	0.01	0.75	791.7	42.4	0	0.044	3.177
BasinCreek060916_217	BC-CJ	1210809	2305015	09-06-2016 14:19:14	0.00	0.00	0.00	790.8	42.3	0	0.007	-0.181
BasinCreek060916_218	BC-CJ	1210698	2304782	09-06-2016 14:23:36	0.00	0.00	0.00	791.6	42.1	0	0.008	-0.114
BasinCreek060916_219	BC-CJ	1210748	2304585	09-06-2016 14:26:46	0.00	0.00	0.29	792.6	41.9	0	0.005	1.246
BasinCreek060916_220	BC-CJ	1210736	2304438	09-06-2016 14:32:35	0.00	0.01	0.06	793.0	41.8	-1.429	0.027	0.264
BasinCreek061016_221	BC-CJ	1212325	2305129	10-06-2016 08:48:44	0.00	0.00	0.46	787.4	27.5	0	0	1.891
BasinCreek061016_222	BC-CJ	1212315	2305326	10-06-2016 08:53:41	0.00	0.00	0.58	787.4	27.9	0	0	2.376
BasinCreek061016_223	BC-CJ	1212393	2305567	10-06-2016 08:58:54	0.00	0.00	0.13	789.8	28.4	0	0	0.53
BasinCreek061016_224	BC-CJ	1212199	2305593	10-06-2016 09:02:15	0.00	0.00	0.09	788.6	28.7	0	0	0.36
BasinCreek061016_225	BC-CJ	1212509	2305781	10-06-2016 09:06:51	5.99	0.00	4.70	790.2	29.1	24.493	0	19.204
BasinCreek061016_226	BC-CJ	1212325	2305812	10-06-2016 09:10:55	0.00	0.00	0.41	789.8	29.5	0	0	1.661
BasinCreek061016_227	BC-CJ	1212311	2305997	10-06-2016 09:14:41	0.00	0.00	2.55	791.0	29.8	0	0.001	10.44

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061016_228	BC-CJ	1212495	2306050	10-06-2016 09:20:54	0.00	0.00	0.43	791.9	30.6	0	0	1.783
BasinCreek061016_229	BC-CJ	1212775	2305987	10-06-2016 09:34:07	0.00	0.00	0.62	794.5	32.2	0	0	2.544
BasinCreek061016_230	BC-CJ	1212924	2306023	10-06-2016 09:39:04	0.00	0.00	0.80	791.4	32.6	0	0.001	3.298
BasinCreek061016_231	BC-CJ	1212968	2306131	10-06-2016 09:42:35	0.00	0.00	0.25	790.3	33.0	0	0.001	1.054
BasinCreek061016_232	BC-CJ	1213206	2306223	10-06-2016 09:47:19	0.00	0.00	0.23	791.4	33.7	-0.007	0	0.972
BasinCreek061016_233	BC-CJ	1213178	2306356	10-06-2016 09:51:03	0.00	0.00	0.13	790.2	34.2	0	0	0.522
BasinCreek061016_234	BC-CJ	1213296	2306153	10-06-2016 10:01:27	0.00	0.00	0.27	789.6	34.9	0	0	1.111
BasinCreek061016_235	BC-CJ	1213364	2306394	10-06-2016 10:05:08	0.00	0.00	0.38	789.6	35.7	0	0	1.602
BasinCreek061016_236	BC-CJ	1213312	2306526	10-06-2016 10:09:37	0.00	0.00	0.19	792.0	36.1	0	0	0.8
BasinCreek061016_237	BC-CJ	1213549	2306377	10-06-2016 10:15:41	0.00	0.00	0.50	792.4	36.3	0	0	2.086
BasinCreek061016_238	BC-CJ	1213574	2306582	10-06-2016 10:20:04	0.00	0.00	0.13	790.2	36.4	0	0	0.564
BasinCreek061016_239	BC-CJ	1213710	2306594	10-06-2016 10:24:40	0.00	0.00	0.59	789.3	36.6	0	0	2.465
BasinCreek061016_240	BC-CJ	1213971	2306735	10-06-2016 10:31:58	0.00	0.00	0.80	788.3	37.2	0	0.001	3.375
BasinCreek061016_241	BC-CJ	1213957	2306573	10-06-2016 10:36:47	0.00	0.00	0.11	787.1	37.8	0	0	0.471
BasinCreek061016_242	BC-CJ	1214113	2306781	10-06-2016 10:42:32	0.00	0.00	0.21	787.0	38.5	-0.019	0.001	0.892
BasinCreek061016_243	BC-CJ	1214247	2306913	10-06-2016 10:48:17	0.00	0.00	0.86	785.5	39.0	0	0	3.675
BasinCreek061016_244	BC-CJ	1214335	2307052	10-06-2016 10:55:15	0.00	0.00	0.53	784.8	39.4	0	0	2.278
BasinCreek061016_245	BC-CJ	1214430	2307121	10-06-2016 11:00:14	0.00	0.00	1.82	784.6	39.5	0	0	7.764
BasinCreek061016_246	BC-CJ	1214612	2307065	10-06-2016 11:06:56	1.77	0.00	2.02	783.2	39.6	7.552	0	8.619
BasinCreek061016_247	BC-CJ	1214750	2306935	10-06-2016 11:13:40	1.91	0.00	1.89	782.0	39.8	8.172	0	8.102
BasinCreek061016_248	BC-CJ	1214756	2306837	10-06-2016 11:17:56	0.00	0.00	0.49	780.9	40.0	0	0	2.084
BasinCreek061016_249	BC-CJ	1214916	2306757	10-06-2016 11:22:09	0.00	0.00	0.00	782.4	40.2	0	0	-0.443
BasinCreek061016_250	BC-CJ	1214947	2306584	10-06-2016 11:27:26	0.00	0.00	0.17	782.4	40.4	0	0	0.742
BasinCreek061016_251	BC-CJ	1214759	2306553	10-06-2016 11:31:44	0.00	0.00	0.37	781.7	40.5	-0.036	0	1.575
BasinCreek061016_252	BC-CJ	1214571	2306893	10-06-2016 11:38:15	0.00	0.00	0.62	783.6	40.7	0	0	2.673
BasinCreek061016_253	BC-CJ	1214411	2306929	10-06-2016 11:42:44	0.00	0.00	1.16	781.9	40.6	0	0	4.982
BasinCreek061016_254	BC-CJ	1214503	2306812	10-06-2016 11:47:01	0.00	0.00	0.19	782.8	40.6	0	-0.001	0.803
BasinCreek061016_255	BC-CJ	1214368	2306740	10-06-2016 12:10:03	0.00	0.00	0.20	782.8	40.2	0	-0.001	0.846
BasinCreek061016_256	BC-CJ	1214180	2306614	10-06-2016 12:14:13	0.00	0.00	0.32	784.2	39.8	0	-0.001	1.382
BasinCreek061016_257	BC-CJ	1214423	2306560	10-06-2016 12:22:25	2.62	0.00	0.74	786.6	39.3	11.116	0	3.141
BasinCreek061016_258	BC-CJ	1214548	2306697	10-06-2016 12:29:08	0.00	0.00	0.83	786.0	39.6	0	0	3.546
BasinCreek061016_259	BC-CJ	1214528	2306535	10-06-2016 12:32:24	0.00	0.00	0.23	783.8	39.7	0	-0.001	0.996
BasinCreek061016_260	BC-CJ	1214546	2306365	10-06-2016 12:35:32	0.00	0.00	0.26	785.4	39.9	0	-0.001	1.118
BasinCreek061016_261	BC-CJ	1214374	2306340	10-06-2016 12:41:04	0.00	0.00	0.10	785.4	40.3	0	-0.001	0.423
BasinCreek061016_262	BC-CJ	1214109	2306407	10-06-2016 12:45:01	0.00	0.00	0.10	786.9	40.5	0	-0.001	0.42
BasinCreek061016_263	BC-CJ	1213962	2306387	10-06-2016 12:49:51	0.00	0.00	0.05	788.0	40.7	0	-0.001	0.205

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061016_264	BC-CJ	1213813	2306322	10-06-2016 12:52:56	0.00	0.00	0.16	789.4	40.8	0	-0.001	0.672
BasinCreek061016_265	BC-CJ	1213684	2306192	10-06-2016 13:06:27	0.00	0.00	0.15	790.1	41.5	0	-0.001	0.626
BasinCreek061016_266	BC-CJ	1213566	2306165	10-06-2016 13:10:00	0.00	0.00	0.20	790.0	41.5	0	-0.001	0.867
BasinCreek061016_267	BC-CJ	1213481	2305929	10-06-2016 13:16:19	0.00	0.00	1.19	790.2	41.7	0	-0.002	5.079
BasinCreek061016_268	BC-CJ	1213323	2306003	10-06-2016 13:20:37	0.00	0.00	0.26	787.8	41.7	0	-0.001	1.118
BasinCreek061016_269	BC-CJ	1213234	2305801	10-06-2016 13:25:33	0.00	0.00	0.64	787.8	41.9	0	-0.001	2.74
BasinCreek061016_270	BC-CJ	1213147	2305739	10-06-2016 13:28:54	0.00	0.00	0.60	786.2	42.0	0	0	2.572
BasinCreek061016_271	BC-CJ	1213109	2305921	10-06-2016 13:33:06	0.00	0.00	0.68	785.9	42.3	0	-0.003	2.924
BasinCreek061016_272	BC-CJ	1213162	2305529	10-06-2016 13:40:06	1.66	0.00	1.56	787.4	42.7	7.1	0.003	6.686
BasinCreek061016_273	BC-CJ	1212981	2305578	10-06-2016 13:49:40	0.00	0.00	0.24	786.9	43.4	-1.432	-0.002	1.046
BasinCreek061016_274	BC-CJ	1212956	2305784	10-06-2016 13:56:48	0.00	0.00	0.10	788.7	43.9	0	-0.002	0.43
BasinCreek061016_275	BC-CJ	1212807	2305710	10-06-2016 14:03:02	0.00	0.00	0.31	788.1	44.1	0	-0.001	1.334
BasinCreek061016_276	BC-CJ	1212788	2305633	10-06-2016 14:08:54	0.00	0.00	0.67	789.7	44.1	0	-0.001	2.873
BasinCreek061016_277	BC-CJ	1212529	2305544	10-06-2016 14:22:52	0.00	0.00	0.00	789.4	44.5	0	-0.001	-0.341
BasinCreek061016_278	BC-CJ	1212513	2305362	10-06-2016 14:30:54	0.00	0.00	0.60	786.5	44.6	0	0.003	2.588
BasinCreek061016_279	BC-CJ	1212518	2305154	10-06-2016 14:35:38	1.20	0.00	0.25	786.6	44.8	5.167	0.001	1.099
BasinCreek061016_280	BC-CJ	1212516	2304966	10-06-2016 14:40:07	0.00	0.00	0.30	785.4	45.0	-0.006	-0.002	1.3
BasinCreek061316_281	BC-CJ	1212592	2304745	13-06-2016 08:58:28	0.00	0.00	0.20	783.6	27.9	0	0.014	0.804
BasinCreek061316_282	BC-CJ	1212762	2304762	13-06-2016 09:03:36	0.00	0.01	0.66	783.6	29.0	0	0.026	2.734
BasinCreek061316_283	BC-CJ	1212574	2304548	13-06-2016 09:10:21	0.62	0.00	3.02	782.9	30.0	2.569	0.02	12.502
BasinCreek061316_284	BC-CJ	1212604	2304421	13-06-2016 09:14:35	0.00	0.00	0.66	782.8	30.6	0	0.011	2.747
BasinCreek061316_285	BC-CJ	1212749	2304375	13-06-2016 09:18:33	0.00	0.00	1.53	782.8	31.2	0	0.014	6.362
BasinCreek061316_286	BC-CJ	1212774	2304511	13-06-2016 09:23:22	0.00	0.00	0.56	782.2	31.7	0	-0.005	2.314
BasinCreek061316_287	BC-CJ	1212925	2304770	13-06-2016 09:29:09	0.00	0.00	0.10	781.2	32.2	0	-0.006	0.426
BasinCreek061316_288	BC-CJ	1212982	2304839	13-06-2016 09:32:44	6.41	0.00	2.46	781.2	32.6	26.813	-0.005	10.309
BasinCreek061316_289	BC-CJ	1212960	2304907	13-06-2016 09:36:48	12.64	0.00	3.99	782.0	33.3	52.947	0.013	16.713
BasinCreek061316_290	BC-CJ	1212971	2304853	13-06-2016 09:42:23	5.68	0.00	2.37	783.2	34.3	23.846	-0.013	9.959
BasinCreek061316_291	BC-CJ	1213152	2304797	13-06-2016 09:48:38	7.60	0.02	5.40	782.2	35.8	32.091	0.075	22.784
BasinCreek061316_292	BC-CJ	1213138	2304730	13-06-2016 09:53:32	4.03	0.00	3.57	781.6	36.9	17.088	-0.011	15.15
BasinCreek061316_293	BC-CJ	1213391	2304750	13-06-2016 09:58:44	0.00	0.00	1.17	780.5	37.8	-0.588	0.011	4.966
BasinCreek061316_294	BC-CJ	1213416	2304808	13-06-2016 10:02:18	0.00	0.00	0.14	781.6	38.3	0	-0.002	0.588
BasinCreek061316_295	BC-CJ	1213167	2304575	13-06-2016 10:08:46	0.55	0.00	1.02	782.3	39.0	2.327	0.017	4.37
BasinCreek061316_296	BC-CJ	1212952	2304564	13-06-2016 10:15:00	5.41	0.00	2.38	779.7	39.4	23.171	0.008	10.189
BasinCreek061316_297	BC-CJ	1212932	2304389	13-06-2016 10:18:44	0.00	0.01	0.26	780.5	39.5	-0.595	0.037	1.122
BasinCreek061316_298	BC-CJ	1213154	2304342	13-06-2016 10:24:29	0.00	0.00	0.26	780.8	39.6	0	-0.002	1.107
BasinCreek061316_299	BC-CJ	1213374	2304422	13-06-2016 10:29:39	0.00	0.00	0.57	778.9	39.6	0	0.006	2.429

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061316_300	BC-CJ	1213368	2304589	13-06-2016 10:33:23	0.00	0.00	0.96	778.5	39.6	0	-0.006	4.13
BasinCreek061316_301	BC-CJ	1213547	2304537	13-06-2016 10:38:51	0.00	0.00	0.13	779.3	39.8	0	0.004	0.577
BasinCreek061316_302	BC-CJ	1213393	2304149	13-06-2016 10:45:58	0.00	0.00	0.25	778.9	40.0	0	-0.003	1.064
BasinCreek061316_303	BC-CJ	1213499	2304157	13-06-2016 10:49:59	0.00	0.01	0.53	776.5	40.1	0	0.039	2.301
BasinCreek061316_304	BC-CJ	1213580	2304329	13-06-2016 10:53:46	0.00	0.01	0.18	775.8	40.2	0	0.053	0.77
BasinCreek061316_305	BC-CJ	1213745	2304331	13-06-2016 11:00:29	0.00	0.01	0.03	776.2	40.3	0	0.03	0.136
BasinCreek061316_306	BC-CJ	1213763	2304126	13-06-2016 11:06:10	0.00	0.01	0.19	777.4	40.4	0	0.043	0.818
BasinCreek061316_307	BC-CJ	1213930	2304133	13-06-2016 11:09:48	0.00	0.01	0.11	775.1	40.5	0	0.029	0.476
BasinCreek061316_308	BC-CJ	1213969	2303964	13-06-2016 11:14:45	0.00	0.01	0.12	774.0	40.7	0	0.055	0.501
BasinCreek061316_309	BC-CJ	1213736	2303965	13-06-2016 11:22:53	0.00	0.01	0.11	773.8	40.8	0	0.044	0.462
BasinCreek061316_310	BC-CJ	1213729	2303745	13-06-2016 11:27:13	0.00	0.01	0.12	774.2	40.7	0	0.057	0.525
BasinCreek061316_311	BC-CJ	1213535	2303944	13-06-2016 11:31:49	0.00	0.01	0.10	774.0	40.7	0	0.033	0.455
BasinCreek061316_312	BC-CJ	1213543	2303805	13-06-2016 11:36:17	0.00	0.01	0.03	775.1	40.8	0	0.033	0.123
BasinCreek061316_313	BC-CJ	1213354	2303954	13-06-2016 11:41:26	0.00	0.01	0.12	775.1	40.9	0	0.054	0.533
BasinCreek061316_314	BC-CJ	1213143	2303912	13-06-2016 11:45:50	0.00	0.02	0.13	775.4	40.8	0	0.067	0.561
BasinCreek061316_315	BC-CJ	1213096	2303930	13-06-2016 11:49:01	0.00	0.01	0.00	777.5	40.6	0	0.031	-0.074
BasinCreek061316_316	BC-CJ	1213144	2304099	13-06-2016 11:53:24	0.00	0.02	0.17	778.1	40.4	0	0.083	0.715
BasinCreek061316_317	BC-CJ	1213142	2304157	13-06-2016 11:58:00	0.00	0.01	0.12	778.9	40.1	0	0.029	0.527
BasinCreek061316_318	BC-CJ	1212950	2304120	13-06-2016 12:04:47	0.00	0.04	0.28	778.9	40.0	0	0.162	1.218
BasinCreek061316_319	BC-CJ	1212886	2303975	13-06-2016 12:08:25	0.00	0.00	0.05	780.1	39.9	0	0.016	0.233
BasinCreek061316_320	BC-CJ	1212749	2303999	13-06-2016 12:12:03	0.00	0.01	0.02	779.9	39.7	0	0.027	0.091
BasinCreek061316_321	BC-CJ	1212727	2304172	13-06-2016 12:16:16	0.00	0.00	0.12	780.6	39.5	0	-0.009	0.495
BasinCreek061316_322	BC-CJ	1212600	2304157	13-06-2016 12:20:48	0.00	0.00	0.06	781.9	39.2	0	-0.01	0.273
BasinCreek061416_323	BC-CJ	1213510	2304725	14-06-2016 10:03:48	0.00	0.00	0.05	779.4	33.3	0	0.009	0.215
BasinCreek061416_324	BC-CJ	1213578	2304757	14-06-2016 10:08:38	0.00	0.00	0.11	779.3	33.7	0	0.018	0.473
BasinCreek061416_325	BC-CJ	1213770	2304944	14-06-2016 10:14:50	0.00	0.00	0.10	779.7	34.1	0	0.013	0.419
BasinCreek061416_326	BC-CJ	1213541	2304975	14-06-2016 10:19:41	0.00	0.00	1.30	779.7	34.4	0	0.02	5.475
BasinCreek061416_327	BC-CJ	1213391	2304936	14-06-2016 10:24:10	0.00	0.01	0.00	780.6	34.7	0	0.032	-0.053
BasinCreek061416_328	BC-CJ	1213562	2305109	14-06-2016 10:32:32	0.00	0.01	0.05	782.1	35.6	-0.36	0.022	0.229
BasinCreek061416_329	BC-CJ	1213620	2305118	14-06-2016 10:36:39	19.46	0.00	1.89	780.4	35.9	82.378	0.014	7.982
BasinCreek061416_330	BC-CJ	1213782	2305113	14-06-2016 10:42:26	0.00	0.00	0.08	780.6	36.5	-1.075	0.021	0.352
BasinCreek061416_331	BC-CJ	1213761	2305347	14-06-2016 10:48:49	0.00	0.01	0.06	781.1	37.1	-0.379	0.028	0.249
BasinCreek061416_332	BC-CJ	1213595	2305360	14-06-2016 10:57:57	0.00	0.01	0.48	782.4	37.6	0	0.037	2.034
BasinCreek061416_333	BC-CJ	1213509	2305524	14-06-2016 11:01:52	10.61	0.00	0.56	783.1	37.6	45.032	0.021	2.357
BasinCreek061416_334	BC-CJ	1213390	2305541	14-06-2016 11:05:32	0.00	0.02	0.65	784.2	37.8	0	0.082	2.746
BasinCreek061416_335	BC-CJ	1213366	2305702	14-06-2016 11:09:41	0.00	0.00	0.18	784.1	38.0	0	0.008	0.753

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061416_336	BC-CJ	1213446	2305693	14-06-2016 11:13:04	0.00	0.01	0.44	785.2	38.1	-0.001	0.032	1.884
BasinCreek061416_337	BC-CJ	1213600	2305721	14-06-2016 11:17:01	0.00	0.01	0.09	785.0	38.3	-0.148	0.047	0.389
BasinCreek061416_338	BC-CJ	1213355	2305379	14-06-2016 11:25:22	12.47	0.00	1.15	786.2	38.6	52.881	0.011	4.875
BasinCreek061416_339	BC-CJ	1213313	2305360	14-06-2016 11:31:21	33.51	0.00	3.30	783.2	38.7	142.638	0.019	14.04
BasinCreek061416_340	BC-CJ	1213397	2305157	14-06-2016 11:38:49	0.00	0.00	0.28	783.2	39.1	-0.001	0.014	1.187
BasinCreek061416_341	BC-CJ	1213171	2304986	14-06-2016 11:50:03	0.00	0.00	0.00	781.9	40.0	-1.288	0.014	0.021
BasinCreek061416_342	BC-CJ	1213174	2305109	14-06-2016 11:58:26	0.00	0.01	0.00	783.0	40.5	0	0.035	0.009
BasinCreek061416_343	BC-CJ	1213175	2305375	14-06-2016 12:05:19	0.00	0.01	2.48	785.2	40.9	-0.299	0.022	10.602
BasinCreek061416_344	BC-CJ	1213018	2305234	14-06-2016 12:11:11	0.00	0.00	0.12	784.7	41.2	-0.958	0.015	0.508
BasinCreek061416_345	BC-CJ	1212962	2305374	14-06-2016 12:19:54	0.00	0.01	0.92	785.9	41.3	-0.001	0.027	3.923
BasinCreek061416_346	BC-CJ	1212830	2305338	14-06-2016 12:47:27	0.00	0.01	0.81	787.0	40.3	-0.972	0.034	3.453
BasinCreek061416_347	BC-CJ	1212779	2305354	14-06-2016 12:51:56	210.16	0.00	7.39	785.2	40.1	896.417	0.012	31.522
BasinCreek061416_348	BC-CJ	1212804	2305493	14-06-2016 12:57:38	2.79	0.00	0.82	785.0	40.1	11.924	0.012	3.508
BasinCreek061416_349	BC-CJ	1212771	2305506	14-06-2016 13:01:14	0.53	0.00	0.60	786.7	40.2	2.243	0.017	2.556
BasinCreek061416_350	BC-CJ	1212740	2305143	14-06-2016 13:11:26	0.00	0.00	0.34	787.5	40.9	-0.925	0.013	1.43
BasinCreek061416_351	BC-CJ	1212671	2305113	14-06-2016 13:16:53	0.00	0.01	0.94	782.4	41.1	-0.001	0.054	4.055
BasinCreek061416_352	BC-CJ	1212732	2304975	14-06-2016 13:21:51	3.94	0.01	4.27	782.7	41.2	16.913	0.034	18.334
carbonJunction060116_01	BC-CJ	1215001	2309940	01-06-2016 11:50:35	0.00	0.00	0.00	805.3	37.1	0	0.004	-0.27
carbonJunction060116_02	BC-CJ	1215012	2310096	01-06-2016 12:00:26	0.00	0.00	0.41	805.6	38.6	0	0.012	1.686
carbonJunction060116_03	BC-CJ	1214944	2309761	01-06-2016 12:10:54	0.00	0.00	0.19	804.2	39.9	-4.754	0.015	0.781
carbonJunction060116_04	BC-CJ	1214781	2309640	01-06-2016 12:17:41	0.00	0.01	0.00	804.2	40.5	0	0.045	-0.015
carbonJunction060116_05	BC-CJ	1214688	2309661	01-06-2016 12:22:54	255.45	0.01	2.76	803.7	40.8	1066.903	0.047	11.513
carbonJunction060116_06	BC-CJ	1214655	2309768	01-06-2016 12:30:42	1468.58	0.00	7.70	804.2	41.2	6137.564	-0.001	32.169
carbonJunction060116_07	BC-CJ	1214495	2309769	01-06-2016 12:40:07	0.00	0.00	0.18	802.8	41.6	-0.946	0	0.77
carbonJunction060116_08	BC-CJ	1214455	2309804	01-06-2016 12:44:57	142.95	0.00	2.04	802.8	41.9	599.778	0	8.549
carbonJunction060116_09	BC-CJ	1214437	2309805	01-06-2016 12:50:17	312.89	0.00	0.84	802.8	42.2	1314.076	0	3.546
carbonJunction060116_10	BC-CJ	1214450	2309832	01-06-2016 12:57:28	1.76	0.00	0.92	802.9	42.9	7.407	0	3.852
carbonJunction060116_11	BC-CJ	1214353	2309966	01-06-2016 13:04:09	0.00	0.00	0.05	802.9	43.8	0	0	0.202
carbonJunction060116_12	BC-CJ	1214184	2309959	01-06-2016 13:12:09	0.00	0.00	0.06	803.0	44.4	0	0	0.237
carbonJunction060116_13	BC-CJ	1214203	2309781	01-06-2016 13:16:46	0.00	0.00	0.10	802.0	44.6	0	0	0.428
carbonJunction060116_14	BC-CJ	1214350	2309562	01-06-2016 13:22:28	0.00	0.00	0.06	800.5	44.9	0	0	0.24
carbonJunction060116_15	BC-CJ	1214361	2309367	01-06-2016 13:30:34	0.00	0.00	0.02	797.8	45.0	-0.19	0	0.095
carbonJunction060116_16	BC-CJ	1214337	2309088	01-06-2016 13:38:25	0.00	0.00	0.18	795.8	44.7	-0.665	-0.033	0.765
carbonJunction060116_17	BC-CJ	1214187	2308993	01-06-2016 13:48:24	0.00	0.00	0.02	793.9	43.5	-2.133	-0.016	0.1
carbonJunction060116_18	BC-CJ	1214139	2308747	01-06-2016 13:56:16	0.00	0.00	0.01	790.9	42.2	-0.012	0	0.034
carbonJunction060116_19	BC-CJ	1214383	2308803	01-06-2016 14:07:20	0.00	0.01	0.26	791.2	40.2	0	0.026	1.092

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
carbonJunction060116_20	BC-CJ	1214605	2308916	01-06-2016 14:17:18	0.00	0.00	0.21	795.0	39.3	0	-0.003	0.871
carbonJunction060116_21	BC-CJ	1214780	2308989	01-06-2016 14:23:35	0.00	0.00	0.13	796.0	38.6	0	-0.001	0.552
carbonJunction060116_22	BC-CJ	1214380	2308976	01-06-2016 14:45:24	0.00	0.00	0.18	797.7	37.3	0	-0.001	0.751
carbonJunction060116_23	BC-CJ	1214566	2309164	01-06-2016 15:01:01	0.00	0.00	0.38	793.8	36.6	0	0.001	1.589
carbonJunction060116_24	BC-CJ	1214555	2309358	01-06-2016 15:09:18	0.00	0.01	0.41	797.5	36.1	0	0.032	1.68
carbonJunction060116_25	BC-CJ	1214533	2309584	01-06-2016 15:46:23	0.00	0.00	0.66	799.1	36.3	0	0	2.737
carbonJunction060116_26	BC-CJ	1214374	2309748	01-06-2016 15:53:31	0.00	0.00	0.44	799.1	36.3	0	0.012	1.815
carbonJunction060116_27	BC-CJ	1214532	2309685	01-06-2016 15:59:57	10.27	0.00	0.85	800.2	36.2	42.453	0.001	3.51
carbonJunction060116_28	BC-CJ	1214564	2309716	01-06-2016 16:05:02	0.00	0.00	0.04	801.1	36.2	-0.374	-0.002	0.176
carbonJunction060216_29	BC-CJ	1214916	2309525	02-06-2016 11:13:41	0.00	0.00	0.24	805.7	33.9	0	0.002	0.988
carbonJunction060216_30	BC-CJ	1214859	2309416	02-06-2016 11:18:06	0.00	0.00	0.10	805.7	35.1	0	0.005	0.421
carbonJunction060216_31	BC-CJ	1214728	2309396	02-06-2016 11:24:34	0.00	0.00	0.68	804.6	36.7	-0.088	0	2.796
carbonJunction060216_32	BC-CJ	1214685	2309394	02-06-2016 11:28:07	3.58	0.00	0.70	803.8	37.4	14.769	0.004	2.877
carbonJunction060216_33	BC-CJ	1214664	2309361	02-06-2016 11:32:11	9.23	0.00	1.06	803.7	38.1	38.222	0.005	4.397
carbonJunction060216_34	BC-CJ	1214656	2309312	02-06-2016 11:37:31	1.76	0.00	0.57	803.0	38.8	7.311	0.001	2.354
carbonJunction060216_35	BC-CJ	1214666	2309338	02-06-2016 11:40:51	129.82	0.00	24.31	802.7	39.2	540.085	0.007	101.146
carbonJunction060216_36	BC-CJ	1214771	2309160	02-06-2016 11:48:17	0.00	0.00	0.14	803.3	39.9	0.001	0.001	0.603
carbonJunction060216_37	BC-CJ	1214751	2308755	02-06-2016 11:57:48	0.00	0.00	0.11	802.2	40.9	-0.357	0.005	0.449
carbonJunction060216_38	BC-CJ	1214651	2308804	02-06-2016 12:01:41	0.00	0.00	0.23	797.6	41.1	0	0.004	0.949
carbonJunction060216_39	BC-CJ	1214735	2308577	02-06-2016 12:09:31	0.00	0.00	0.00	798.3	41.7	0	0.005	0.019
carbonJunction060216_40	BC-CJ	1214992	2308320	02-06-2016 12:19:58	0.00	0.00	0.29	795.9	42.6	-0.26	0.012	1.209
carbonJunction060216_41	BC-CJ	1214944	2308151	02-06-2016 12:27:00	0.00	0.00	0.43	793.6	43.1	-0.55	0.008	1.842
carbonJunction060216_42	BC-CJ	1214987	2307953	02-06-2016 12:34:40	0.00	0.00	0.01	792.0	43.5	-0.033	0.006	0.055
carbonJunction060216_43	BC-CJ	1214998	2307769	02-06-2016 12:40:00	0.00	0.00	0.23	790.2	43.6	-0.033	0.004	1.006
carbonJunction060216_44	BC-CJ	1215184	2307741	02-06-2016 12:48:11	0.00	0.00	0.15	789.8	43.9	-0.094	0.003	0.623
carbonJunction060216_45	BC-CJ	1215366	2307523	02-06-2016 12:53:53	0.00	0.00	0.20	788.3	44.2	-0.188	0.007	0.86
carbonJunction060216_46	BC-CJ	1215389	2307341	02-06-2016 13:00:23	0.00	0.00	0.12	785.6	44.6	-0.044	0.009	0.516
carbonJunction060216_47	BC-CJ	1215401	2307153	02-06-2016 13:05:50	0.00	0.00	0.14	784.3	45.0	0	0.007	0.595
carbonJunction060216_48	BC-CJ	1215363	2307019	02-06-2016 13:12:37	9.63	0.00	3.35	783.4	45.3	41.848	0.006	14.562
carbonJunction060216_49	BC-CJ	1215334	2306735	02-06-2016 13:27:10	0.00	0.00	0.39	781.7	45.5	-0.002	0.001	1.713
carbonJunction060216_50	BC-CJ	1215188	2306813	02-06-2016 13:38:36	0.00	0.00	0.28	780.3	45.8	-0.001	0.014	1.219
carbonJunction060216_51	BC-CJ	1215111	2306981	02-06-2016 13:48:35	1.03	0.00	0.71	779.4	46.0	4.511	0.005	3.118
carbonJunction060216_52	BC-CJ	1214918	2307138	02-06-2016 14:01:22	0.00	0.00	0.09	778.8	46.0	0	0.01	0.387
carbonJunction060216_53	BC-CJ	1214899	2307203	02-06-2016 14:07:17	0.00	0.00	0.84	779.4	46.0	-2.147	0.006	3.68
carbonJunction060216_54	BC-CJ	1214775	2307174	02-06-2016 14:11:46	0.00	0.00	0.17	779.9	46.0	-0.002	0.006	0.765
carbonJunction060216_55	BC-CJ	1214908	2307339	02-06-2016 14:20:15	0.00	0.00	2.24	779.6	45.9	0	0.012	9.822

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
carbonJunction060216_56	BC-CJ	1214720	2307371	02-06-2016 14:27:12	0.00	0.00	0.05	781.1	45.7	-0.013	0.005	0.214
carbonJunction060216_57	BC-CJ	1214737	2307558	02-06-2016 14:32:07	0.00	0.00	0.18	781.1	45.5	0	0.006	0.769
CarbonJunction060316_58	BC-CJ	1214381	2308609	03-06-2016 10:51:27	0.00	0.00	0.28	799.6	33.4	0	-0.062	1.141
CarbonJunction060316_59	BC-CJ	1214566	2308605	03-06-2016 10:57:52	0.00	0.00	9.73	799.6	34.7	0	-0.097	40.068
CarbonJunction060316_60	BC-CJ	1214548	2308391	03-06-2016 11:03:48	0.00	0.00	0.10	799.4	35.8	-0.118	-0.542	0.411
CarbonJunction060316_61	BC-CJ	1214743	2308441	03-06-2016 11:09:58	0.00	0.00	0.17	798.7	37.0	0	-1.062	0.712
CarbonJunction060316_62	BC-CJ	1214752	2308139	03-06-2016 11:18:10	0.00	0.00	0.24	797.1	38.2	0	-2.038	0.995
CarbonJunction060316_63	BC-CJ	1214715	2308039	03-06-2016 11:24:49	0.00	0.00	0.08	795.2	39.0	0	-0.938	0.334
CarbonJunction060316_64	BC-CJ	1214729	2307823	03-06-2016 11:40:41	0.00	0.00	0.00	793.6	40.2	0	-0.265	-0.356
CarbonJunction060316_65	BC-CJ	1214994	2307591	03-06-2016 11:59:41	0.00	0.00	6.27	790.0	42.2	0	-0.312	26.771
CarbonJunction060316_66	BC-CJ	1214903	2307422	03-06-2016 12:16:47	0.00	0.00	0.14	789.7	43.9	0	-0.228	0.583
CarbonJunction060316_67	BC-CJ	1214941	2307362	03-06-2016 12:25:14	0.00	0.00	0.40	785.0	44.5	0	-0.87	1.731
CarbonJunction060316_68	BC-CJ	1215173	2307121	03-06-2016 12:45:44	0.00	0.00	0.05	785.2	45.5	0	-0.488	0.216
CarbonJunction060316_69	BC-CJ	1215162	2307368	03-06-2016 12:56:56	0.00	0.00	1.06	783.9	45.4	-6.6	0.018	4.627
CarbonJunction060316_70	BC-CJ	1215194	2307559	03-06-2016 13:02:14	0.00	0.00	0.00	783.9	45.4	0	-0.181	-0.14
CarbonJunction060316_71	BC-CJ	1214956	2306978	03-06-2016 13:32:41	0.00	0.00	0.11	789.3	44.8	0	-0.163	0.477
CarbonJunction060316_72	BC-CJ	1214604	2307353	03-06-2016 13:42:12	0.00	0.00	0.15	789.3	44.4	0	0	0.632
CarbonJunction060316_73	BC-CJ	1214450	2307341	03-06-2016 13:47:54	0.00	0.00	0.11	784.4	44.2	0	-0.156	0.474
CarbonJunction060316_74	BC-CJ	1214290	2307323	03-06-2016 13:52:46	0.00	0.00	0.16	785.0	44.1	0	-0.33	0.686
CarbonJunction060316_75	BC-CJ	1214581	2307565	03-06-2016 14:00:54	0.00	0.00	0.14	784.7	44.3	0	-0.25	0.594
CarbonJunction060316_76	BC-CJ	1214552	2307746	03-06-2016 14:06:35	0.00	0.00	0.01	785.8	44.6	0	-0.131	0.061
CarbonJunction060316_77	BC-CJ	1214382	2307797	03-06-2016 14:10:57	0.00	0.00	0.14	787.7	44.8	0	0	0.605
CarbonJunction060316_78	BC-CJ	1214193	2307814	03-06-2016 14:15:43	0.00	0.00	0.10	789.3	45.1	0	0	0.415
CarbonJunction060316_79	BC-CJ	1214134	2308005	03-06-2016 14:22:03	0.00	0.00	0.19	790.9	45.3	0	0	0.813
CarbonJunction060316_80	BC-CJ	1214333	2307981	03-06-2016 14:30:06	0.00	0.00	0.09	792.2	45.6	0	0	0.385
CarbonJunction060316_81	BC-CJ	1214558	2308033	03-06-2016 14:36:16	0.00	0.00	0.10	791.7	45.9	0	-0.217	0.439
CarbonJunction060316_82	BC-CJ	1214588	2308143	03-06-2016 14:44:47	0.00	0.00	0.04	791.0	46.1	0	0.009	0.192
CarbonJunction060316_83	BC-CJ	1214384	2308175	03-06-2016 15:02:05	0.00	0.00	0.00	791.0	46.0	0	-0.207	0.015
CarbonJunction060316_84	BC-CJ	1214217	2308214	03-06-2016 15:07:01	0.00	0.00	0.06	794.1	45.7	0	0	0.268
CarbonJunction060316_85	BC-CJ	1214004	2308188	03-06-2016 15:21:27	0.00	0.00	0.24	794.3	45.4	0	-0.066	1.043
CarbonJunction060316_86	BC-CJ	1213937	2308341	03-06-2016 15:29:50	0.00	0.00	0.01	792.8	45.2	0	-0.064	0.024
CarbonJunction060316_87	BC-CJ	1213961	2308545	03-06-2016 15:35:25	0.00	0.00	0.00	791.6	45.1	0	0.017	-0.163
CarbonJunction060316_88	BC-CJ	1214110	2308583	03-06-2016 15:40:40	0.00	0.00	0.00	794.4	45.1	0	0.011	0.003
CarbonJunction060316_89	BC-CJ	1214177	2308382	03-06-2016 15:53:14	0.00	0.00	0.44	794.4	45.4	0	-0.049	1.894
CarbonJunction060316_90	BC-CJ	1214369	2308375	03-06-2016 16:00:10	0.00	0.00	0.00	796.3	45.2	0	-0.163	-21.544
CarbonJunction061516_1	BC-CJ	1215476	2306693	15-06-2016 09:57:24	0.00	0.00	0.42	801.5	31.9	0	0.013	1.706

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction061516_10	BC-CJ	1214524	2310092	15-06-2016 11:41:37	0.00	0.00	0.92	806.7	41.0	-0.134	-0.004	3.836
CarbonJunction061516_11	BC-CJ	1214536	2310126	15-06-2016 11:44:29	337.05	0.13	4.19	806.7	41.5	1405.583	0.537	17.462
CarbonJunction061516_12	BC-CJ	1214559	2310114	15-06-2016 11:48:06	10.12	0.00	1.21	807.7	42.0	42.22	-0.063	5.061
CarbonJunction061516_13	BC-CJ	1214584	2310154	15-06-2016 11:51:21	5.82	0.00	1.72	807.2	42.5	24.352	0.014	7.18
CarbonJunction061516_14	BC-CJ	1214767	2310175	15-06-2016 11:55:10	0.97	0.00	0.54	807.5	42.9	4.067	0.014	2.259
CarbonJunction061516_15	BC-CJ	1215234	2310282	15-06-2016 12:00:40	0.00	0.00	0.36	807.2	43.5	-0.114	0.01	1.502
CarbonJunction061516_16	BC-CJ	1215178	2310322	15-06-2016 12:04:24	0.00	0.01	0.31	807.7	43.9	0	0.037	1.31
CarbonJunction061516_17	BC-CJ	1215164	2310330	15-06-2016 12:07:13	0.00	0.02	0.36	808.0	44.1	-0.299	0.079	1.494
CarbonJunction061516_18	BC-CJ	1215146	2310328	15-06-2016 12:09:46	0.00	0.02	0.14	807.9	44.3	-0.686	0.08	0.577
CarbonJunction061516_19	BC-CJ	1214974	2310344	15-06-2016 12:18:34	0.00	0.00	0.39	807.7	45.0	-0.087	0.018	1.663
CarbonJunction061516_2	BC-CJ	1215421	2306835	15-06-2016 10:13:50	0.00	0.01	0.15	783.0	33.2	-0.077	0.021	0.625
CarbonJunction061516_20	BC-CJ	1214961	2310359	15-06-2016 12:21:58	7.68	0.02	1.14	808.1	45.0	32.308	0.071	4.781
CarbonJunction061516_21	BC-CJ	1214903	2310354	15-06-2016 12:24:53	4.92	0.00	1.15	808.3	45.1	20.719	0.018	4.845
CarbonJunction061516_22	BC-CJ	1214914	2310335	15-06-2016 12:28:00	0.00	0.00	0.68	808.1	45.2	0	0.014	2.846
CarbonJunction061516_23	BC-CJ	1214774	2310290	15-06-2016 12:32:42	0.00	0.01	0.67	809.0	45.4	-8.513	0.031	2.8
CarbonJunction061516_24	BC-CJ	1214560	2310335	15-06-2016 12:37:29	0.00	0.01	0.04	807.6	45.4	-3.999	0.037	0.175
CarbonJunction061516_25	BC-CJ	1214404	2310324	15-06-2016 12:40:42	0.00	0.00	0.12	807.7	45.4	0	0.015	0.518
CarbonJunction061516_26	BC-CJ	1214174	2310321	15-06-2016 12:44:07	0.00	0.00	0.06	807.6	45.4	0	0.01	0.252
CarbonJunction061516_27	BC-CJ	1215398	2310589	15-06-2016 13:19:50	0.00	0.01	0.48	807.6	45.0	-0.751	0.028	2.02
CarbonJunction061516_28	BC-CJ	1215354	2310787	15-06-2016 13:20:01	0.00	0.01	0.48	807.6	45.0	-0.751	0.028	2.02
CarbonJunction061516_29	BC-CJ	1215157	2310938	15-06-2016 13:35:30	0.00	0.00	0.00	806.9	44.2	-1.292	0.02	0.02
CarbonJunction061516_3	BC-CJ	1215457	2307128	15-06-2016 10:25:52	0.00	0.00	0.58	781.0	33.9	-0.372	-0.004	2.426
CarbonJunction061516_30	BC-CJ	1215144	2310740	15-06-2016 13:38:45	0.00	0.01	1.03	806.8	44.2	-2.69	0.046	4.334
CarbonJunction061516_31	BC-CJ	1215170	2310604	15-06-2016 13:41:41	0.00	0.00	0.19	806.9	44.1	0	0.013	0.796
CarbonJunction061516_32	BC-CJ	1214981	2310714	15-06-2016 13:45:57	0.00	0.01	0.42	807.2	44.2	-0.722	0.051	1.771
CarbonJunction061516_33	BC-CJ	1214758	2310893	15-06-2016 13:50:16	0.00	0.00	0.03	806.5	44.2	0	0.017	0.11
CarbonJunction061516_34	BC-CJ	1214936	2310603	15-06-2016 13:57:34	0.00	0.00	0.17	806.7	44.1	0	0.016	0.697
CarbonJunction061516_35	BC-CJ	1214955	2310975	15-06-2016 14:02:15	0.00	0.00	0.08	806.9	44.3	0	0.019	0.327
CarbonJunction061516_36	BC-CJ	1214779	2310756	15-06-2016 14:05:41	0.00	0.00	0.00	806.3	44.5	0	0.011	-0.061
CarbonJunction061516_37	BC-CJ	1214752	2310544	15-06-2016 14:09:49	0.00	0.01	0.68	806.3	44.8	0	0.039	2.852
CarbonJunction061516_38	BC-CJ	1214565	2310552	15-06-2016 14:13:08	0.00	0.01	0.21	807.6	44.9	0	0.029	0.882
CarbonJunction061516_39	BC-CJ	1214374	2310565	15-06-2016 14:17:32	0.00	0.01	0.91	807.3	45.0	0	0.05	3.819
CarbonJunction061516_4	BC-CJ	1215945	2310945	15-06-2016 10:33:47	0.00	0.00	0.03	783.7	35.0	-0.001	-0.008	0.109
CarbonJunction061516_40	BC-CJ	1214212	2310603	15-06-2016 14:20:53	0.00	0.01	0.32	807.6	45.0	0	0.041	1.354
CarbonJunction061516_41	BC-CJ	1214170	2310699	15-06-2016 14:24:25	0.00	0.00	0.04	807.3	45.0	0	0.017	0.16
CarbonJunction061516_42	BC-CJ	1214381	2310715	15-06-2016 14:27:46	0.00	0.00	0.09	806.3	45.1	0	0.011	0.376

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction061516_43	BC-CJ	1214558	2310746	15-06-2016 14:31:07	0.00	0.00	0.01	806.7	45.2	0	0.009	0.033
CarbonJunction061516_44	BC-CJ	1214776	2311165	15-06-2016 14:36:45	0.00	0.00	0.03	806.3	45.4	0	0.017	0.124
CarbonJunction061516_45	BC-CJ	1214761	2311340	15-06-2016 14:40:35	0.00	0.00	0.08	805.3	45.5	0	0.012	0.322
CarbonJunction061516_46	BC-CJ	1214972	2311124	15-06-2016 14:45:47	0.00	0.00	0.08	805.0	45.7	0	0.015	0.344
CarbonJunction061516_47	BC-CJ	1215553	2310679	15-06-2016 14:52:52	0.00	0.00	0.10	805.5	45.9	0	0.017	0.403
CarbonJunction061516_48	BC-CJ	1215749	2310724	15-06-2016 14:58:43	0.00	0.00	0.00	805.3	46.0	0	0.017	0.013
CarbonJunction061516_49	BC-CJ	1215753	2310916	15-06-2016 15:02:40	0.00	0.00	0.04	805.7	46.1	0	0.018	0.151
CarbonJunction061516_5	BC-CJ	1214772	2309744	15-06-2016 11:16:52	0.00	0.00	0.29	784.3	39.7	0	0.018	1.235
CarbonJunction061516_50	BC-CJ	1215945	2310945	15-06-2016 15:06:08	0.00	0.00	0.23	805.5	46.2	0	0.014	0.984
CarbonJunction061516_51	BC-CJ	1215964	2310781	15-06-2016 15:10:16	0.00	0.00	0.19	805.2	46.3	-0.064	0.015	0.796
CarbonJunction061516_52	BC-CJ	1216198	2310939	15-06-2016 15:13:49	0.00	0.00	0.15	806.1	46.5	-0.929	0.016	0.65
CarbonJunction061516_6	BC-CJ	1214743	2309957	15-06-2016 11:20:28	0.00	0.00	0.05	805.3	39.8	0	0.017	0.218
CarbonJunction061516_7	BC-CJ	1214566	2309960	15-06-2016 11:23:38	0.00	0.00	0.90	805.7	39.9	0	0.008	3.757
CarbonJunction061516_8	BC-CJ	1214197	2310141	15-06-2016 11:30:55	0.00	0.00	0.04	805.6	40.3	-0.945	0.006	0.173
CarbonJunction061516_9	BC-CJ	1214352	2310121	15-06-2016 11:35:14	1.40	0.00	0.79	806.5	40.5	5.806	0.016	3.266
CarbonJunction061616_100	BC-CJ	1216160	2311519	16-06-2016 14:24:41	0.00	0.00	0.00	803.6	45.7	0	-0.11	-49.749
CarbonJunction061616_101	BC-CJ	1216250	2311423	16-06-2016 14:30:52	0.00	0.00	0.29	802.4	45.8	0	-0.08	1.25
CarbonJunction061616_102	BC-CJ	1216279	2311317	16-06-2016 14:36:10	0.00	0.00	0.22	804.6	46.1	0	-0.169	0.94
CarbonJunction061616_53	BC-CJ	1215555	2310915	16-06-2016 10:32:34	0.00	0.00	0.12	807.3	27.4	-0.001	-0.002	0.483
CarbonJunction061616_54	BC-CJ	1215372	2311077	16-06-2016 10:39:38	0.00	0.00	0.09	807.3	29.5	0	0.008	0.373
CarbonJunction061616_55	BC-CJ	1215161	2311233	16-06-2016 10:43:41	0.00	0.00	0.44	807.3	30.4	0	-0.003	1.777
CarbonJunction061616_56	BC-CJ	1215004	2311385	16-06-2016 10:47:11	0.00	0.00	0.16	807.6	31.3	0	0.001	0.635
CarbonJunction061616_57	BC-CJ	1215389	2311163	16-06-2016 10:52:29	0.00	0.00	0.28	807.3	32.6	0	0.002	1.132
CarbonJunction061616_58	BC-CJ	1215622	2311141	16-06-2016 10:55:47	0.00	0.00	3.68	806.5	33.4	0	-0.004	14.974
CarbonJunction061616_59	BC-CJ	1215789	2311193	16-06-2016 10:58:57	0.00	0.00	0.03	806.2	34.0	0	-0.012	0.142
CarbonJunction061616_60	BC-CJ	1215760	2311367	16-06-2016 11:04:14	0.00	0.00	0.51	806.0	34.9	-0.013	-0.001	2.076
CarbonJunction061616_61	BC-CJ	1215546	2311370	16-06-2016 11:08:48	0.00	0.00	0.09	804.5	35.5	-0.021	0.002	0.357
CarbonJunction061616_62	BC-CJ	1215387	2311422	16-06-2016 11:12:47	0.00	0.00	0.09	805.7	36.1	0	-0.002	0.365
CarbonJunction061616_63	BC-CJ	1215584	2311488	16-06-2016 11:15:56	0.00	0.00	0.39	805.9	36.5	0	-0.004	1.62
CarbonJunction061616_64	BC-CJ	1215626	2311713	16-06-2016 11:19:58	0.00	0.00	0.08	804.6	37.2	0	-0.023	0.312
CarbonJunction061616_65	BC-CJ	1215779	2311681	16-06-2016 11:23:55	0.00	0.00	0.10	802.8	37.7	-0.637	-0.037	0.395
CarbonJunction061616_66	BC-CJ	1215780	2311605	16-06-2016 11:27:30	0.00	0.00	0.28	801.5	38.3	0	-0.038	1.154
CarbonJunction061616_67	BC-CJ	1215964	2311587	16-06-2016 11:30:05	0.00	0.00	0.33	802.2	38.7	0	-0.002	1.365
CarbonJunction061616_68	BC-CJ	1215960	2311733	16-06-2016 11:33:49	0.00	0.00	0.16	801.3	39.3	0	-0.037	0.685
CarbonJunction061616_69	BC-CJ	1215992	2311927	16-06-2016 11:37:59	0.00	0.00	0.06	800.2	39.9	0	-0.027	0.241
CarbonJunction061616_70	BC-CJ	1216152	2311955	16-06-2016 11:40:59	0.00	0.00	0.11	799.5	40.3	0	-0.022	0.47

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction061616_71	BC-CJ	1216389	2312161	16-06-2016 11:45:40	0.00	0.00	0.24	799.8	40.8	0	-0.029	0.988
CarbonJunction061616_72	BC-CJ	1216516	2312156	16-06-2016 11:47:55	0.00	0.00	0.11	799.3	41.0	0	-0.047	0.466
CarbonJunction061616_73	BC-CJ	1216577	2312368	16-06-2016 11:50:58	0.00	0.00	0.05	799.3	41.2	0	-0.028	0.211
CarbonJunction061616_74	BC-CJ	1216779	2312351	16-06-2016 11:54:12	0.00	0.00	0.38	799.0	41.5	0	-0.016	1.616
CarbonJunction061616_75	BC-CJ	1216907	2312528	16-06-2016 11:57:40	0.00	0.00	0.26	798.7	41.8	0	-0.022	1.105
CarbonJunction061616_76	BC-CJ	1216962	2312380	16-06-2016 12:00:32	0.00	0.00	0.14	798.7	42.0	0	-0.022	0.585
CarbonJunction061616_77	BC-CJ	1217155	2312558	16-06-2016 12:03:52	0.00	0.00	0.10	798.9	42.1	0	-0.022	0.407
CarbonJunction061616_78	BC-CJ	1217184	2312766	16-06-2016 12:07:09	0.00	0.00	0.02	798.6	42.3	-0.082	-0.047	0.079
CarbonJunction061616_79	BC-CJ	1217415	2312806	16-06-2016 12:10:29	0.00	0.00	0.26	798.2	42.5	0	-0.014	1.097
CarbonJunction061616_80	BC-CJ	1217524	2312970	16-06-2016 12:14:28	0.00	0.00	0.15	797.8	42.7	-0.557	-0.052	0.628
CarbonJunction061616_81	BC-CJ	1217687	2312951	16-06-2016 12:17:51	0.00	0.00	0.23	797.8	42.8	0	-0.038	0.973
CarbonJunction061616_82	BC-CJ	1217771	2313145	16-06-2016 12:21:57	0.00	0.00	0.97	797.9	42.9	0	-0.031	4.114
CarbonJunction061616_83	BC-CJ	1218014	2313250	16-06-2016 12:25:47	0.00	0.00	0.63	797.6	43.1	0	-0.013	2.666
CarbonJunction061616_84	BC-CJ	1218031	2313017	16-06-2016 12:30:36	0.00	0.00	0.09	797.2	43.2	0	-0.034	0.399
CarbonJunction061616_85	BC-CJ	1218010	2312801	16-06-2016 12:36:57	0.00	0.00	0.31	797.3	42.7	0	-0.041	1.315
CarbonJunction061616_86	BC-CJ	1218022	2312604	16-06-2016 12:43:54	0.00	0.00	0.24	797.5	42.7	0	-0.059	1.005
CarbonJunction061616_87	BC-CJ	1217760	2312820	16-06-2016 12:55:03	0.00	0.00	0.32	799.7	43.3	0	-0.023	1.34
CarbonJunction061616_88	BC-CJ	1217553	2312828	16-06-2016 13:00:18	0.00	0.00	0.14	797.8	43.5	0	-0.093	0.614
CarbonJunction061616_89	BC-CJ	1217341	2312643	16-06-2016 13:06:03	0.00	0.00	0.09	797.6	43.8	0	-0.137	0.393
CarbonJunction061616_90	BC-CJ	1217149	2312453	16-06-2016 13:12:47	0.00	0.00	0.06	798.6	44.1	0	-0.099	0.257
CarbonJunction061616_91	BC-CJ	1216730	2312163	16-06-2016 13:19:59	0.00	0.00	0.23	798.7	44.4	0	-0.077	0.977
CarbonJunction061616_92	BC-CJ	1216406	2312012	16-06-2016 13:29:06	0.00	0.00	0.06	798.3	44.5	0	-0.111	0.245
CarbonJunction061616_93	BC-CJ	1216202	2311787	16-06-2016 13:35:03	0.00	0.00	0.05	799.0	44.6	0	-0.133	0.216
CarbonJunction061616_94	BC-CJ	1216106	2311630	16-06-2016 13:39:44	0.00	0.00	0.08	799.5	44.5	0	-0.119	0.347
CarbonJunction061616_95	BC-CJ	1215961	2311379	16-06-2016 13:49:12	0.00	0.00	0.20	801.0	44.5	0	-0.088	0.867
CarbonJunction061616_96	BC-CJ	1215990	2311237	16-06-2016 13:53:43	0.00	0.00	1.12	803.6	44.4	-0.037	-0.042	4.727
CarbonJunction061616_97	BC-CJ	1216192	2311252	16-06-2016 14:02:07	0.00	0.00	0.32	805.9	44.6	-0.01	0.001	1.343
CarbonJunction061616_98	BC-CJ	1216170	2311310	16-06-2016 14:07:33	1.94	0.00	1.26	806.5	44.9	8.166	0.004	5.327
CarbonJunction061616_99	BC-CJ	1216127	2311413	16-06-2016 14:14:37	20.58	0.01	4.36	805.7	45.3	86.962	0.044	18.414
CarbonJunction061716_103	BC-CJ	1216355	2311382	17-06-2016 08:21:02	0.00	0.00	0.13	811.4	23.6	-0.07	-0.009	0.514
CarbonJunction061716_104	BC-CJ	1216309	2311785	17-06-2016 08:37:30	0.00	0.00	0.15	810.1	25.4	-0.06	-0.005	0.595
CarbonJunction061716_105	BC-CJ	1216535	2311955	17-06-2016 08:46:50	0.00	0.00	0.05	803.9	25.9	-1.178	0	0.199
CarbonJunction061716_106	BC-CJ	1216717	2312034	17-06-2016 08:53:52	0.00	0.00	0.29	804.5	26.2	-0.7	-0.001	1.139
CarbonJunction061716_107	BC-CJ	1216744	2311980	17-06-2016 08:58:10	0.00	0.00	0.41	803.7	26.4	-2.056	-0.002	1.63
CarbonJunction061716_108	BC-CJ	1216739	2311996	17-06-2016 09:04:07	0.49	0.00	1.65	804.2	26.6	1.964	-0.003	6.595
CarbonJunction061716_109	BC-CJ	1216970	2312203	17-06-2016 09:14:38	0.00	0.00	0.07	804.3	27.2	0	0.001	0.28

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction061716_110	BC-CJ	1217075	2312126	17-06-2016 09:19:22	0.00	0.00	0.05	803.5	27.6	-4.007	-0.002	0.219
CarbonJunction061716_111	BC-CJ	1217364	2312386	17-06-2016 09:31:23	0.00	0.00	0.06	805.0	28.2	-0.988	-0.001	0.255
CarbonJunction061716_112	BC-CJ	1217737	2312538	17-06-2016 09:48:45	0.00	0.00	0.68	804.1	29.2	-2.78	0	2.742
CarbonJunction061716_113	BC-CJ	1217608	2312431	17-06-2016 09:52:37	0.00	0.00	0.23	804.7	29.5	-0.984	0.003	0.922
CarbonJunction061716_114	BC-CJ	1217566	2312421	17-06-2016 09:58:29	0.00	0.00	0.09	805.1	30.0	-0.66	0.011	0.343
CarbonJunction061716_115	BC-CJ	1217452	2312155	17-06-2016 10:10:23	0.00	0.00	0.07	806.4	31.0	-0.203	0	0.291
CarbonJunction061716_116	BC-CJ	1217143	2311811	17-06-2016 10:18:29	0.00	0.00	0.08	805.3	32.2	0	0.008	0.319
CarbonJunction061716_117	BC-CJ	1217132	2311929	17-06-2016 10:22:47	0.00	0.00	0.04	805.7	32.8	0	0.003	0.158
CarbonJunction061716_118	BC-CJ	1217174	2312211	17-06-2016 10:31:26	0.00	0.00	0.18	809.5	33.8	0	0.007	0.743
CarbonJunction061716_119	BC-CJ	1216944	2311889	17-06-2016 10:42:37	0.00	0.00	0.13	806.0	35.0	-0.433	0.004	0.513
CarbonJunction061716_120	BC-CJ	1216915	2311826	17-06-2016 10:45:33	0.00	0.00	0.18	807.9	35.3	-0.698	0.01	0.745
CarbonJunction061716_121	BC-CJ	1216922	2311991	17-06-2016 10:51:10	0.00	0.00	0.55	807.7	36.0	-0.51	0.002	2.231
CarbonJunction061716_122	BC-CJ	1216839	2311901	17-06-2016 10:56:13	0.00	0.00	0.54	806.5	36.5	-0.001	0.011	2.217
CarbonJunction061716_123	BC-CJ	1216863	2311873	17-06-2016 11:03:44	0.00	0.00	0.09	807.3	37.5	0	-0.001	0.369
CarbonJunction061716_124	BC-CJ	1216828	2311726	17-06-2016 11:08:11	0.00	0.00	0.05	809.2	38.2	0	0.011	0.221
CarbonJunction061716_125	BC-CJ	1216742	2311700	17-06-2016 11:13:35	0.00	0.00	0.12	808.8	39.1	0	0.013	0.506
CarbonJunction061716_126	BC-CJ	1216745	2311785	17-06-2016 11:19:24	1.97	0.00	1.04	808.8	39.9	8.167	0.013	4.292
CarbonJunction061716_127	BC-CJ	1216735	2311806	17-06-2016 11:29:55	231.07	0.02	0.99	807.7	39.7	956.933	0.064	4.093
CarbonJunction061716_128	BC-CJ	1216624	2311822	17-06-2016 11:34:02	0.00	0.00	0.71	807.5	39.7	-1.858	0.017	2.944
CarbonJunction061716_129	BC-CJ	1216616	2311741	17-06-2016 11:38:01	0.00	0.01	2.62	807.6	39.9	-1.218	0.036	10.841
CarbonJunction061716_130	BC-CJ	1216542	2311695	17-06-2016 11:42:19	58.83	0.01	2.64	808.4	40.2	243.825	0.031	10.96
CarbonJunction061716_131	BC-CJ	1216484	2311565	17-06-2016 11:49:50	0.00	0.00	0.33	808.7	41.0	0	0.009	1.389
CarbonJunction061716_132	BC-CJ	1216361	2311487	17-06-2016 11:57:36	52.14	0.02	3.44	809.0	41.8	217.006	0.096	14.315
Federal060716_01	Fed	1219727	2320145	17-06-2016 13:15:07	0.00	0.00	1.10	794.2	39.1	0	0.01	4.618
Federal060716_10	Fed	1219874	2319956	17-06-2016 13:38:24	0.00	0.00	0.07	793.5	43.1	-0.997	0.001	0.3
Federal060716_11	Fed	1219865	2319990	17-06-2016 13:40:40	0.00	0.00	0.09	793.5	43.4	-0.137	0.009	0.369
Federal060716_12	Fed	1219860	2320034	17-06-2016 13:44:15	0.00	0.00	0.05	793.6	43.7	-1.094	0	0.204
Federal060716_13	Fed	1219863	2320101	17-06-2016 13:46:37	0.00	0.00	0.05	793.6	43.9	0	0.007	0.197
Federal060716_14	Fed	1219820	2320099	17-06-2016 13:48:58	0.00	0.00	0.00	793.7	44.1	-1.998	0.004	-0.075
Federal060716_15	Fed	1219822	2320030	17-06-2016 13:51:25	0.00	0.00	0.07	793.3	44.3	0	0.005	0.315
Federal060716_16	Fed	1219811	2319989	17-06-2016 13:54:01	0.00	0.00	0.16	793.6	44.5	-1.124	0.007	0.699
Federal060716_17	Fed	1219815	2319932	17-06-2016 13:56:15	0.00	0.00	0.07	793.5	44.7	-0.398	0.011	0.286
Federal060716_18	Fed	1219775	2319934	17-06-2016 13:58:33	0.00	0.00	0.08	793.7	44.8	-0.451	0.005	0.362
Federal060716_19	Fed	1219776	2319995	17-06-2016 14:00:51	0.00	0.00	0.08	793.5	44.9	-1.272	0.005	0.322
Federal060716_2	Fed	1219773	2320132	17-06-2016 13:18:45	0.00	0.00	0.08	794.4	40.0	0	0.013	0.347
Federal060716_20	Fed	1219770	2320042	17-06-2016 14:03:06	0.00	0.00	0.06	793.5	45.1	0	0.001	0.255

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
Federal060716_21	Fed	1219752	2320083	17-06-2016 14:05:26	0.00	0.00	0.12	793.3	45.2	0	0.003	0.533
Federal060716_22	Fed	1219708	2320041	17-06-2016 14:08:12	0.00	0.00	0.13	793.3	45.4	-1.178	0.006	0.577
Federal060716_23	Fed	1219714	2319984	17-06-2016 14:10:22	0.00	0.00	0.03	793.6	45.5	-1.548	0.004	0.108
Federal060716_24	Fed	1219706	2319929	17-06-2016 14:12:32	0.00	0.00	0.06	793.6	45.7	0	0.002	0.248
Federal060716_25	Fed	1219718	2320086	17-06-2016 14:15:19	0.00	0.00	0.04	794.0	45.8	-1.094	0.005	0.154
Federal060716_3	Fed	1219821	2320141	17-06-2016 13:21:22	0.00	0.00	0.05	794.3	40.6	0	-0.002	0.194
Federal060716_4	Fed	1219871	2320142	17-06-2016 13:23:54	0.00	0.00	0.00	793.7	41.0	0	0.001	-0.059
Federal060716_5	Fed	1219927	2320127	17-06-2016 13:26:22	0.00	0.00	0.05	793.5	41.5	0	-0.003	0.214
Federal060716_6	Fed	1219910	2320098	17-06-2016 13:28:40	0.00	0.00	0.29	793.3	41.9	0	0.014	1.213
Federal060716_7	Fed	1219920	2320043	17-06-2016 13:31:27	0.00	0.00	0.05	793.5	42.3	-1.483	0.013	0.194
Federal060716_8	Fed	1219908	2319994	17-06-2016 13:33:41	0.00	0.00	0.05	793.6	42.6	0	0.016	0.217
Federal060716_9	Fed	1219912	2319940	17-06-2016 13:36:00	0.00	0.00	0.05	793.3	42.9	0	0.01	0.202
FloridaRiver062016_1	FR	1235003	2331971	20-06-2016 08:43:38	0.00	0.00	0.36	796.3	27.1	-2.954	0.006	1.466
FloridaRiver062016_10	FR	1235558	2332460	20-06-2016 09:18:45	0.00	0.00	0.34	795.6	33.7	0	0.01	1.418
FloridaRiver062016_11	FR	1235528	2332449	20-06-2016 09:20:51	0.00	0.00	0.60	795.6	34.2	0	0.006	2.496
FloridaRiver062016_12	FR	1235318	2332484	20-06-2016 09:24:35	0.00	0.00	0.35	795.9	34.7	0	0.002	1.468
FloridaRiver062016_13	FR	1235153	2332368	20-06-2016 09:28:33	0.00	0.01	0.36	795.9	35.1	0	0.05	1.483
FloridaRiver062016_14	FR	1235127	2332542	20-06-2016 09:33:14	0.00	0.00	0.12	795.7	35.7	-0.95	0.001	0.513
FloridaRiver062016_15	FR	1234930	2332333	20-06-2016 09:40:37	0.00	0.01	0.07	795.9	36.5	-0.138	0.022	0.286
FloridaRiver062016_16	FR	1234977	2332149	20-06-2016 09:43:35	0.00	0.00	0.09	795.9	36.9	-0.985	0.02	0.385
FloridaRiver062016_17	FR	1235348	2332568	20-06-2016 10:02:35	0.00	0.00	0.91	795.6	39.2	-2.71	0.01	3.825
FloridaRiver062016_18	FR	1235546	2332596	20-06-2016 10:07:32	0.00	0.00	0.25	795.8	39.5	-1.318	0.014	1.065
FloridaRiver062016_19	FR	1235365	2332814	20-06-2016 10:14:17	0.00	0.00	0.12	795.9	39.8	-0.453	0.004	0.524
FloridaRiver062016_2	FR	1235152	2332036	20-06-2016 08:46:59	0.00	0.00	0.09	795.5	27.6	-0.054	0.001	0.369
FloridaRiver062016_20	FR	1235494	2332935	20-06-2016 10:20:11	0.00	0.00	0.05	794.7	40.0	-2.402	-0.006	0.216
FloridaRiver062016_21	FR	1235546	2333155	20-06-2016 10:33:44	0.00	0.00	0.15	792.6	40.2	0	0.013	0.618
FloridaRiver062016_22	FR	1235797	2333156	20-06-2016 10:39:57	0.00	0.00	0.07	793.5	40.3	0	-0.007	0.302
FloridaRiver062016_23	FR	1235939	2333185	20-06-2016 10:45:46	0.00	0.00	0.17	791.4	40.6	0	0.003	0.703
FloridaRiver062016_24	FR	1235937	2333035	20-06-2016 10:49:34	0.00	0.00	0.14	789.5	40.8	0	0.002	0.615
FloridaRiver062016_25	FR	1235934	2332857	20-06-2016 10:53:10	0.00	0.00	0.04	791.8	40.9	0	0.001	0.18
FloridaRiver062016_26	FR	1235757	2332954	20-06-2016 10:57:09	0.00	0.00	0.15	792.8	41.1	0	0.007	0.627
FloridaRiver062016_27	FR	1235662	2332835	20-06-2016 11:00:58	6.56	0.01	2.20	791.8	41.2	27.826	0.032	9.336
FloridaRiver062016_28	FR	1235715	2332821	20-06-2016 11:04:04	15.05	0.00	2.24	792.4	41.3	63.848	0.017	9.523
FloridaRiver062016_29	FR	1235780	2332774	20-06-2016 11:07:20	0.00	0.00	0.05	792.6	41.4	0	-0.001	0.227
FloridaRiver062016_3	FR	1235588	2332226	20-06-2016 08:51:51	0.00	0.00	0.07	795.3	28.4	-1.959	0.009	0.277
FloridaRiver062016_30	FR	1235747	2332747	20-06-2016 11:09:51	0.00	0.00	0.15	793.6	41.5	0	-0.001	0.649

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver062016_31	FR	1235561	2332730	20-06-2016 11:13:32	0.00	0.00	0.11	793.9	41.7	-0.011	-0.01	0.464
FloridaRiver062016_32	FR	1234930	2331792	20-06-2016 12:10:33	0.00	0.00	0.21	794.1	44.4	-1.153	0.019	0.907
FloridaRiver062016_33	FR	1235191	2331797	20-06-2016 12:15:03	0.00	0.01	0.67	794.8	44.4	-0.242	0.023	2.844
FloridaRiver062016_34	FR	1235278	2331789	20-06-2016 12:19:07	0.00	0.00	0.07	794.7	44.6	-1.066	0.012	0.297
FloridaRiver062016_35	FR	1235333	2331792	20-06-2016 12:21:39	0.00	0.00	1.39	794.0	44.6	0	0.007	5.955
FloridaRiver062016_36	FR	1235354	2331795	20-06-2016 12:23:53	4.47	0.00	1.95	793.4	44.7	19.151	0.008	8.342
FloridaRiver062016_37	FR	1235419	2331823	20-06-2016 12:27:00	1.35	0.00	0.50	793.3	44.9	5.782	0.016	2.162
FloridaRiver062016_38	FR	1235375	2331947	20-06-2016 12:30:44	0.00	0.00	0.24	792.5	45.2	-0.264	0.013	1.047
FloridaRiver062016_39	FR	1235556	2331929	20-06-2016 12:35:00	0.00	0.01	0.17	793.0	45.4	0	0.022	0.714
FloridaRiver062016_4	FR	1235815	2332276	20-06-2016 08:55:16	0.00	0.00	0.21	795.3	29.0	-0.219	0.007	0.843
FloridaRiver062016_40	FR	1235525	2331829	20-06-2016 12:38:28	0.00	0.00	0.55	792.5	45.6	0	0.017	2.359
FloridaRiver062016_41	FR	1235557	2331691	20-06-2016 12:42:23	0.00	0.00	0.07	792.1	45.8	0	0.016	0.301
FloridaRiver062016_42	FR	1235354	2331595	20-06-2016 12:49:31	0.00	0.01	0.55	792.3	46.1	-3.887	0.049	2.348
FloridaRiver062016_43	FR	1235325	2331442	20-06-2016 12:57:40	0.00	0.00	0.12	794.0	46.3	-0.762	0.015	0.506
FloridaRiver062016_44	FR	1234972	2331446	20-06-2016 13:04:07	0.00	0.01	0.25	792.0	46.6	-0.756	0.034	1.092
FloridaRiver062016_45	FR	1234763	2331567	20-06-2016 13:08:05	0.00	0.01	0.13	791.9	46.7	-1.366	0.042	0.544
FloridaRiver062016_46	FR	1234767	2331424	20-06-2016 13:10:48	0.00	0.01	0.02	792.3	46.7	-0.38	0.031	0.099
FloridaRiver062016_47	FR	1234533	2331326	20-06-2016 13:14:33	0.00	0.01	0.16	792.3	46.8	-4.307	0.029	0.7
FloridaRiver062016_48	FR	1235149	2331560	20-06-2016 13:49:56	0.00	0.00	0.08	791.6	45.5	0	0.01	0.327
FloridaRiver062016_49	FR	1235177	2331590	20-06-2016 13:54:39	0.00	0.00	0.08	791.7	45.4	0	0.016	0.326
FloridaRiver062016_5	FR	1235583	2332289	20-06-2016 08:59:50	2.92	0.00	1.42	795.3	29.9	11.893	0.014	5.779
FloridaRiver062016_50	FR	1235201	2331630	20-06-2016 13:56:20	0.00	0.01	0.43	791.7	45.4	0	0.052	1.847
FloridaRiver062016_6	FR	1235345	2332184	20-06-2016 09:03:58	5.06	0.00	2.91	795.9	30.6	20.655	0.013	11.894
FloridaRiver062016_7	FR	1235185	2332114	20-06-2016 09:07:32	0.00	0.01	0.26	795.9	31.2	-220.711	0.027	1.061
FloridaRiver062016_8	FR	1235569	2332360	20-06-2016 09:12:54	0.28	0.01	1.46	795.9	32.3	1.157	0.057	6
FloridaRiver062016_9	FR	1235550	2332384	20-06-2016 09:16:01	0.00	0.01	0.97	795.9	33.1	0	0.036	4.004
FloridaRiver062116_100	FR	1233549	2328401	21-06-2016 12:12:52	0.00	0.00	0.03	784.7	44.3	0	0	0.127
FloridaRiver062116_101	FR	1233498	2328163	21-06-2016 12:19:56	0.00	0.00	0.38	784.8	44.9	-0.269	-0.089	1.632
FloridaRiver062116_102	FR	1234784	2330164	21-06-2016 12:48:52	0.00	0.00	0.06	783.8	46.4	0	-0.001	0.251
FloridaRiver062116_103	FR	1234764	2330381	21-06-2016 12:56:01	0.00	0.01	1.61	785.8	46.7	0	0.028	6.991
FloridaRiver062116_104	FR	1235008	2330633	21-06-2016 13:02:55	0.00	0.00	0.32	787.3	46.7	0	0	1.391
FloridaRiver062116_105	FR	1234991	2330788	21-06-2016 13:06:46	0.00	0.00	0.16	788.1	46.7	0	0.019	0.711
FloridaRiver062116_106	FR	1235196	2330791	21-06-2016 13:10:00	0.00	0.00	0.51	787.9	46.6	0	0.014	2.23
FloridaRiver062116_107	FR	1235217	2330941	21-06-2016 13:17:03	0.00	0.00	0.10	787.7	46.7	0	0	0.442
FloridaRiver062116_108	FR	1234979	2330977	21-06-2016 13:20:10	2.15	0.00	1.76	788.3	46.6	9.328	-0.01	7.643
FloridaRiver062116_109	FR	1235135	2331062	21-06-2016 13:23:23	0.00	0.01	0.14	788.5	46.5	0	0.034	0.598

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver062116_110	FR	1235161	2331234	21-06-2016 13:26:35	0.00	0.01	0.22	788.5	46.4	0	0.029	0.953
FloridaRiver062116_111	FR	1235065	2331245	21-06-2016 13:29:26	0.00	0.00	0.83	789.1	46.4	0	0	3.593
FloridaRiver062116_112	FR	1235000	2331154	21-06-2016 13:32:19	0.00	0.00	0.39	789.1	46.3	0	0	1.679
FloridaRiver062116_113	FR	1234904	2331400	21-06-2016 13:36:17	0.00	0.00	0.15	788.7	46.3	0	0	0.648
FloridaRiver062116_114	FR	1235168	2331376	21-06-2016 13:39:45	0.00	0.00	0.62	789.3	46.3	0	-0.001	2.697
FloridaRiver062116_51	FR	1234550	2331145	21-06-2016 08:48:29	0.00	0.00	0.27	791.8	30.6	0	-0.001	1.104
FloridaRiver062116_52	FR	1234772	2331215	21-06-2016 08:54:04	0.00	0.00	0.14	791.8	31.1	0	-0.01	0.564
FloridaRiver062116_53	FR	1234732	2330979	21-06-2016 08:57:47	0.00	0.00	0.19	791.8	31.3	0	-0.007	0.763
FloridaRiver062116_54	FR	1234548	2330992	21-06-2016 09:01:10	0.00	0.00	0.87	791.3	31.7	0	0.007	3.595
FloridaRiver062116_55	FR	1234470	2330973	21-06-2016 09:03:53	0.00	0.00	0.18	791.9	32.0	0	0.007	0.721
FloridaRiver062116_56	FR	1234411	2330783	21-06-2016 09:07:36	0.00	0.00	0.14	791.5	32.4	0	0.011	0.571
FloridaRiver062116_57	FR	1234579	2330742	21-06-2016 09:11:21	0.00	0.00	0.50	791.0	32.8	-0.025	0.018	2.062
FloridaRiver062116_58	FR	1234777	2330762	21-06-2016 09:15:00	0.00	0.00	0.39	790.7	33.2	0	0.011	1.623
FloridaRiver062116_59	FR	1234738	2330549	21-06-2016 09:20:45	0.00	0.00	0.30	790.3	33.9	0	0.013	1.254
FloridaRiver062116_60	FR	1234553	2330579	21-06-2016 09:24:18	0.00	0.00	2.03	789.8	34.2	0	0.011	8.453
FloridaRiver062116_61	FR	1234413	2330543	21-06-2016 09:27:49	0.00	0.00	0.11	790.5	34.6	0	0.005	0.459
FloridaRiver062116_62	FR	1234531	2330555	21-06-2016 09:30:59	0.00	0.00	0.29	790.7	34.9	0	-0.001	1.227
FloridaRiver062116_63	FR	1234583	2330353	21-06-2016 09:35:25	2.98	0.00	2.98	790.2	35.4	12.424	0.007	12.45
FloridaRiver062116_64	FR	1234541	2330323	21-06-2016 09:38:47	0.00	0.00	0.49	789.9	35.7	0	-0.004	2.066
FloridaRiver062116_65	FR	1234522	2330359	21-06-2016 09:41:22	0.00	0.00	0.43	789.1	36.0	-1.01	0.012	1.787
FloridaRiver062116_66	FR	1234466	2330356	21-06-2016 09:44:02	0.00	0.00	0.18	789.6	36.3	-0.717	0.012	0.747
FloridaRiver062116_67	FR	1234393	2330380	21-06-2016 09:47:25	0.00	0.00	0.18	789.4	36.7	0	0.011	0.766
FloridaRiver062116_68	FR	1234368	2330161	21-06-2016 09:51:26	0.00	0.00	0.21	789.6	37.0	0	0.013	0.878
FloridaRiver062116_69	FR	1234454	2330150	21-06-2016 09:54:40	0.00	0.01	0.35	788.4	37.4	0	0.026	1.455
FloridaRiver062116_70	FR	1234495	2330171	21-06-2016 09:57:06	0.00	0.00	0.57	788.4	37.7	0	-0.003	2.4
FloridaRiver062116_71	FR	1234525	2330163	21-06-2016 09:59:27	0.00	0.00	0.30	788.5	38.1	-0.44	0	1.258
FloridaRiver062116_72	FR	1234563	2329993	21-06-2016 10:03:22	0.00	0.00	0.16	787.6	38.6	0	0.015	0.661
FloridaRiver062116_73	FR	1234524	2329975	21-06-2016 10:06:03	0.00	0.00	0.29	787.3	39.1	0	0	1.232
FloridaRiver062116_74	FR	1234541	2329884	21-06-2016 10:09:33	0.00	0.00	0.36	787.3	39.6	0	-0.004	1.51
FloridaRiver062116_75	FR	1234472	2329855	21-06-2016 10:12:41	0.00	0.00	0.23	786.5	40.1	0	0.016	0.995
FloridaRiver062116_76	FR	1234444	2329970	21-06-2016 10:15:36	0.00	0.00	0.37	787.0	40.6	0	0.01	1.576
FloridaRiver062116_77	FR	1234346	2329935	21-06-2016 10:18:34	0.62	0.00	0.32	787.8	41.0	2.636	0.01	1.362
FloridaRiver062116_78	FR	1234296	2329951	21-06-2016 10:22:12	0.00	0.00	0.18	787.7	41.4	0	-0.001	0.774
FloridaRiver062116_79	FR	1234324	2329890	21-06-2016 10:25:32	0.76	0.00	0.22	788.3	41.7	3.265	0.016	0.951
FloridaRiver062116_80	FR	1234222	2329878	21-06-2016 10:28:29	0.00	0.00	0.29	787.5	41.9	0	-0.008	1.226
FloridaRiver062116_81	FR	1234332	2329753	21-06-2016 10:32:02	0.00	0.00	0.54	787.8	42.1	0	0.016	2.294

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver062116_82	FR	1234319	2329591	21-06-2016 10:35:50	0.00	0.00	0.37	787.5	42.3	0	0.017	1.59
FloridaRiver062116_83	FR	1234095	2329740	21-06-2016 10:40:19	0.00	0.00	0.00	787.3	42.6	0	-0.002	-0.732
FloridaRiver062116_84	FR	1234097	2329579	21-06-2016 10:43:36	0.00	0.00	0.48	788.5	42.8	0	0.012	2.063
FloridaRiver062116_85	FR	1233958	2329585	21-06-2016 10:47:10	0.00	0.00	0.18	788.6	43.0	0	-0.003	0.77
FloridaRiver062116_86	FR	1234063	2329413	21-06-2016 10:52:03	0.00	0.00	0.58	789.5	43.3	-2.797	0	2.465
FloridaRiver062116_87	FR	1234118	2329386	21-06-2016 10:55:09	0.00	0.00	0.11	788.7	43.6	0	0.019	0.48
FloridaRiver062116_88	FR	1233987	2329354	21-06-2016 10:58:22	0.00	0.00	2.12	788.3	43.9	0	0.012	9.13
FloridaRiver062116_89	FR	1233981	2329336	21-06-2016 11:01:19	0.00	0.00	2.61	788.9	44.0	0	-0.006	11.211
FloridaRiver062116_90	FR	1233914	2329391	21-06-2016 11:04:49	0.00	0.00	0.14	789.0	44.2	0	0.019	0.605
FloridaRiver062116_91	FR	1234068	2329213	21-06-2016 11:11:24	0.00	0.00	0.17	789.0	44.4	0	0.008	0.746
FloridaRiver062116_92	FR	1233907	2329022	21-06-2016 11:41:01	0.00	0.00	0.12	788.1	43.8	0	-0.048	0.51
FloridaRiver062116_93	FR	1233937	2329161	21-06-2016 11:44:16	0.00	0.00	0.20	787.8	43.4	0	0.006	0.85
FloridaRiver062116_94	FR	1233684	2329001	21-06-2016 11:49:22	0.00	0.00	0.00	788.2	43.3	0	-0.004	-0.116
FloridaRiver062116_95	FR	1233701	2328787	21-06-2016 11:52:41	0.00	0.00	0.49	786.3	43.2	0	0.012	2.12
FloridaRiver062116_96	FR	1233709	2328729	21-06-2016 11:55:25	0.00	0.00	0.42	785.8	43.3	0	0	1.816
FloridaRiver062116_97	FR	1233707	2328571	21-06-2016 12:00:21	0.00	0.00	0.29	785.8	43.5	0	0.017	1.248
FloridaRiver062116_98	FR	1233608	2328558	21-06-2016 12:04:54	0.00	0.00	0.45	785.9	43.8	0	-0.005	1.951
FloridaRiver062116_99	FR	1233503	2328372	21-06-2016 12:09:48	0.00	0.00	0.25	784.6	44.1	0	0.015	1.083
PineRiver071116_01	TC2PR	1237996	2389560	11-07-2016 11:53:00	0.44	0.00	0.05	784.5	30.8	1.81	0.013	0.199
PineRiver071116_02	TC2PR	1238044	2389563	11-07-2016 11:55:45	0.00	0.01	0.29	784.5	31.8	0	0.021	1.196
PineRiver071116_03	TC2PR	1238105	2389569	11-07-2016 11:58:15	0.42	0.01	0.30	784.5	32.8	1.769	0.049	1.245
PineRiver071116_04	TC2PR	1238094	2389512	11-07-2016 12:02:49	0.00			784.5	34.0	-0.326		
PineRiver071116_05	TC2PR	1238064	2389502	11-07-2016 12:05:07	0.87	0.02	0.85	784.7	34.9	3.647	0.065	3.576
PineRiver071116_06	TC2PR	1238027	2389486	11-07-2016 12:08:22	0.00	0.02	0.38	784.8	35.5	-2.591	0.064	1.586
PineRiver071116_07	TC2PR	1238000	2389510	11-07-2016 12:11:01	0.57	0.02	1.69	784.1	36.0	2.391	0.084	7.139
PineRiver071116_08	TC2PR	1237996	2389446	11-07-2016 12:13:57	0.00	0.01	0.60	784.8	36.5	-0.086	0.041	2.515
PineRiver071116_09	TC2PR	1238046	2389460	11-07-2016 12:16:50	0.00	0.01	0.55	784.5	37.1	0	0.04	2.311
PineRiver071116_10	TC2PR	1238104	2389447	11-07-2016 12:19:12	0.00	0.01	0.20	784.3	37.5	-3.398	0.046	0.866
PineRiver071116_11	TC2PR	1237955	2389497	11-07-2016 12:22:31	0.00	0.01	0.00	784.5	38.1	-0.002	0.049	-0.216
PineRiver071116_12	TC2PR	1237952	2389555	11-07-2016 12:24:46	0.00	0.01	0.05	784.4	38.5	-0.903	0.022	0.217
PineRiver071116_13	TC2PR	1237954	2389600	11-07-2016 12:27:09	0.00	0.01	0.11	784.4	38.8	-0.564	0.026	0.474
PineRiver071116_14	TC2PR	1238005	2389608	11-07-2016 12:29:22	0.00	0.00	0.04	784.4	39.2	-2.159	0.016	0.165
PineRiver071116_15	TC2PR	1238047	2389610	11-07-2016 12:32:13	0.00	0.01	0.43	784.3	39.5	-0.419	0.038	1.826
PineRiver071116_16	TC2PR	1238113	2389627	11-07-2016 12:34:38	0.00	0.00	0.27	784.4	39.8	0	0.015	1.138
PineRiver071116_17	TC2PR	1238143	2389582	11-07-2016 12:36:48	0.00	0.01	0.46	784.3	40.0	-0.819	0.048	1.954
PineRiver071116_18	TC2PR	1238159	2389517	11-07-2016 12:38:58	0.00	0.01	0.58	784.6	40.2	-0.351	0.052	2.467

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver071116_19	TC2PR	1237960	2389447	11-07-2016 12:42:05	0.00	0.02	0.40	784.4	40.5	-0.952	0.096	1.704
PineRiver071116_20	TC2PR	1238648	2389510	11-07-2016 12:51:38	0.00	0.01	0.43	784.7	41.2	-1.208	0.032	1.85
PineRiver071116_21	TC2PR	1238654	2389449	11-07-2016 12:53:51	0.00	0.00	0.05	784.4	41.2	-1.3	0.019	0.235
PineRiver071116_22	TC2PR	1238648	2389401	11-07-2016 12:56:34	0.00	0.01	0.26	784.4	41.3	0	0.033	1.111
PineRiver071116_23	TC2PR	1238616	2389401	11-07-2016 12:58:46	0.00	0.01	0.52	784.2	41.4	-7.157	0.053	2.234
PineRiver071116_24	TC2PR	1238622	2389460	11-07-2016 13:01:16	0.00	0.01	0.32	784.4	41.5	0	0.039	1.367
PineRiver071116_25	TC2PR	1238603	2389456	11-07-2016 13:03:30	0.00	0.01	0.32	784.3	41.6	0	0.029	1.368
PineRiver071116_26	TC2PR	1238608	2389484	11-07-2016 13:06:03	0.00	0.00	1.34	784.3	41.7	-0.708	0.016	5.763
PineRiver071116_27	TC2PR	1238606	2389512	11-07-2016 13:08:20	0.00	0.01	0.34	784.4	41.8	-0.39	0.041	1.479
PineRiver071116_28	TC2PR	1238546	2389515	11-07-2016 13:10:38	0.00	0.01	0.69	784.0	41.9	0	0.028	2.962
PineRiver071116_29	TC2PR	1238554	2389463	11-07-2016 13:12:50	0.00	0.01	0.04	784.0	42.0	0	0.024	0.156
PineRiver071116_30	TC2PR	1238561	2389418	11-07-2016 13:15:02	0.00	0.00	0.10	784.2	42.1	0	0.015	0.451
PineRiver071116_31	TC2PR	1238404	2389164	11-07-2016 13:19:08	0.00	0.01	0.22	784.4	42.4	0	0.033	0.944
PineRiver071116_32	TC2PR	1238198	2389189	11-07-2016 13:21:53	0.00	0.01	0.74	784.3	42.5	-0.073	0.058	3.187
PineRiver071116_33	TC2PR	1238132	2388993	11-07-2016 13:24:49	0.00	0.01	0.45	784.3	42.6	-1.384	0.043	1.933
PineRiver071116_34	TC2PR	1238368	2388939	11-07-2016 13:27:51	0.00	0.02	0.50	784.3	42.7	-0.058	0.067	2.16
PineRiver071116_35	TC2PR	1238356	2388745	11-07-2016 13:30:30	0.00	0.01	0.36	784.0	42.7	-1.165	0.057	1.564
PineRiver071116_36	TC2PR	1238172	2388745	11-07-2016 13:33:07	0.00	0.01	0.14	784.0	42.8	-0.476	0.05	0.621
PineRiver071116_37	TC2PR	1238171	2388552	11-07-2016 13:35:51	0.00	0.01	0.41	784.0	43.0	-2.404	0.054	1.768
PineRiver071116_38	TC2PR	1238406	2388498	11-07-2016 13:39:04	0.00	0.01	0.49	784.2	43.1	0	0.054	2.101
PineRiver071116_39	TC2PR	1238566	2388375	11-07-2016 13:42:05	0.00	0.01	0.62	784.2	43.2	-2.746	0.063	2.68
PineRiver071116_40	TC2PR	1238353	2388370	11-07-2016 13:44:54	0.00	0.01	0.17	784.0	43.2	-0.336	0.026	0.726
PineRiver071116_41	TC2PR	1238246	2388267	11-07-2016 13:47:33	5.03	0.00	0.99	784.3	43.3	21.702	0.019	4.29
PineRiver071116_42	TC2PR	1238204	2388292	11-07-2016 13:49:50	0.48	0.01	1.11	784.4	43.3	2.054	0.042	4.785
PineRiver071116_43	TC2PR	1238153	2388347	11-07-2016 13:52:35	0.00	0.01	0.22	784.3	43.3	0	0.023	0.936
PineRiver071116_44	TC2PR	1238167	2388285	11-07-2016 13:54:51	223.07	0.01	2.23	784.2	43.3	962.429	0.052	9.638
PineRiver071116_45	TC2PR	1238160	2388165	11-07-2016 13:58:27	0.00	0.01	0.32	784.0	43.4	0	0.035	1.362
PineRiver071116_46	TC2PR	1238362	2388180	11-07-2016 14:02:34	0.00	0.01	0.53	784.2	43.4	-1.795	0.035	2.273
PineRiver071116_47	TC2PR	1238552	2388155	11-07-2016 14:05:40	0.00	0.02	0.25	784.2	43.4	0	0.075	1.066
PineRiver071116_48	TC2PR	1238578	2387935	11-07-2016 14:09:37	0.00	0.01	0.79	784.0	43.4	0	0.032	3.429
PineRiver071116_49	TC2PR	1238336	2387927	11-07-2016 14:14:10	0.00	0.00	0.31	784.0	43.5	0	0.013	1.359
PineRiver071116_50	TC2PR	1238188	2387992	11-07-2016 14:17:47	0.00	0.00	0.49	784.2	43.7	-3.751	0.014	2.127
PineRiver071116_51	TC2PR	1237987	2387743	11-07-2016 14:25:36	0.00	0.00	0.94	784.0	43.9	-0.489	0.008	4.066
PineRiver071116_52	TC2PR	1238170	2387757	11-07-2016 14:28:29	0.00	0.01	0.37	783.9	43.8	0	0.025	1.581
PineRiver071116_53	TC2PR	1238370	2387765	11-07-2016 14:31:19	0.00	0.01	0.35	784.2	43.8	0	0.035	1.534
PineRiver071116_54	TC2PR	1238552	2387797	11-07-2016 14:33:42	0.00	0.00	0.69	783.9	43.8	0	0.021	2.976

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver071116_55	TC2PR	1238578	2387669	11-07-2016 14:36:22	0.00	0.00	0.06	784.0	43.8	0	0.008	0.264
PineRiver071116_56	TC2PR	1238343	2387589	11-07-2016 14:39:55	0.00	0.00	0.05	784.0	44.0	0	0.005	0.22
PineRiver071116_57	TC2PR	1238119	2387547	11-07-2016 14:42:39	0.00	0.00	0.18	783.8	44.0	-2.948	0.009	0.767
PineRiver071116_58	TC2PR	1238053	2387509	11-07-2016 14:44:55	0.00	0.01	0.29	783.8	44.0	-2.864	0.023	1.262
PineRiver071116_59	TC2PR	1237987	2387551	11-07-2016 14:47:22	0.00	0.00	0.19	783.9	44.0	0	0.012	0.827
PineRiver071216_100	TC2PR	1239608	2384217	12-07-2016 12:27:11	2.38	0.00	2.71	777.3	44.2	10.37	0.018	11.827
PineRiver071216_101	TC2PR	1239580	2384166	12-07-2016 12:31:16	2.41	0.00	1.97	775.9	44.5	10.553	0.018	8.622
PineRiver071216_102	TC2PR	1239532	2384152	12-07-2016 12:34:09	0.00	0.03	0.18	774.7	44.8	-0.08	0.122	0.797
PineRiver071216_103	TC2PR	1239415	2384286	12-07-2016 12:39:13	0.00	0.01	0.30	774.7	45.1	0	0.027	1.305
PineRiver071216_104	TC2PR	1239339	2384402	12-07-2016 12:42:08	0.00	0.01	0.30	776.2	45.3	0	0.026	1.327
PineRiver071216_105	TC2PR	1239204	2384366	12-07-2016 12:46:45	0.00	0.01	0.00	775.4	45.4	0	0.031	-1.182
PineRiver071216_106	TC2PR	1239160	2384560	12-07-2016 12:51:09	0.00	0.01	0.17	774.6	45.4	0	0.025	0.756
PineRiver071216_107	TC2PR	1238943	2384568	12-07-2016 12:56:35	0.00	0.00	0.04	775.7	45.3	0	0.021	0.178
PineRiver071216_108	TC2PR	1238951	2384768	12-07-2016 13:02:05	0.00	0.01	0.11	773.6	45.4	0	0.04	0.473
PineRiver071216_109	TC2PR	1238864	2384970	12-07-2016 13:07:47	0.00	0.01	0.21	776.1	45.5	0	0.03	0.912
PineRiver071216_110	TC2PR	1238977	2384980	12-07-2016 13:11:21	0.00	0.01	0.28	777.4	45.5	0	0.031	1.23
PineRiver071216_111	TC2PR	1239104	2384989	12-07-2016 13:14:25	0.00	0.01	2.32	778.8	45.5	0	0.038	10.14
PineRiver071216_112	TC2PR	1239128	2384798	12-07-2016 13:20:21	1166.45	0.03	1.45	779.3	45.6	5101.052	0.13	6.331
PineRiver071216_113	TC2PR	1239177	2384714	12-07-2016 13:23:57	1.33	0.04	4.00	777.3	45.6	5.823	0.189	17.531
PineRiver071216_114	TC2PR	1239287	2384559	12-07-2016 13:30:09	0.00	0.01	0.89	777.1	46.0	0	0.036	3.896
PineRiver071216_115	TC2PR	1239338	2384564	12-07-2016 13:34:08	1.19	0.01	1.15	775.9	46.1	5.227	0.024	5.05
PineRiver071216_116	TC2PR	1239278	2384698	12-07-2016 13:37:42	16.55	0.01	0.90	776.8	46.2	72.762	0.048	3.968
PineRiver071216_117	TC2PR	1239243	2384993	12-07-2016 13:42:20	0.00	0.00	0.00	777.5	46.3	0	-0.002	-0.579
PineRiver071216_118	TC2PR	1239377	2384972	12-07-2016 13:46:16	0.00	0.00	0.06	778.1	46.2	0	0	0.242
PineRiver071216_119	TC2PR	1239528	2384996	12-07-2016 13:50:16	0.00	0.01	0.01	776.5	46.2	0	0.035	0.044
PineRiver071216_120	TC2PR	1239511	2384787	12-07-2016 13:54:22	0.00	0.00	0.21	775.3	46.1	0	0	0.936
PineRiver071216_121	TC2PR	1239342	2384772	12-07-2016 13:59:58	0.00	0.01	0.28	776.1	46.1	0	0.034	1.223
PineRiver071216_122	TC2PR	1239567	2384552	12-07-2016 14:06:32	0.00	0.01	0.20	777.8	46.1	0	0.037	0.878
PineRiver071216_60	TC2PR	1238320	2387011	12-07-2016 08:47:46	0.00	0.00	0.12	787.1	25.3	0	-0.011	0.467
PineRiver071216_61	TC2PR	1238371	2387131	12-07-2016 08:51:18	0.00	0.00	0.48	787.1	26.1	0	0.016	1.965
PineRiver071216_62	TC2PR	1238341	2387307	12-07-2016 08:55:22	0.00	0.00	0.61	787.2	27.0	0	0.01	2.498
PineRiver071216_63	TC2PR	1238176	2387370	12-07-2016 08:59:11	0.00	0.00	0.00	787.2	28.0	0	0.007	-0.583
PineRiver071216_64	TC2PR	1237976	2387331	12-07-2016 09:05:03	0.00	0.00	0.18	787.4	28.8	0	0.011	0.74
PineRiver071216_65	TC2PR	1237940	2387154	12-07-2016 09:07:02	0.00	0.00	0.32	787.4	29.6	0	0.013	1.313
PineRiver071216_66	TC2PR	1238152	2387149	12-07-2016 09:10:46	0.00	0.00	0.60	787.5	30.4	0	0.017	2.492
PineRiver071216_67	TC2PR	1238177	2386993	12-07-2016 09:14:09	0.00	0.00	0.21	787.5	31.1	0	0.015	0.869

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver071216_68	TC2PR	1237958	2386961	12-07-2016 09:17:09	0.00	0.00	0.22	787.2	31.8	0	0.014	0.925
PineRiver071216_69	TC2PR	1237989	2386779	12-07-2016 09:19:52	0.00	0.00	0.18	787.5	32.3	0	0.006	0.741
PineRiver071216_70	TC2PR	1238195	2386761	12-07-2016 09:32:44	0.00	0.00	0.34	787.4	34.3	-8.633	0	1.414
PineRiver071216_71	TC2PR	1238388	2386787	12-07-2016 09:36:53	0.00	0.00	0.10	787.5	35.0	0	0.007	0.406
PineRiver071216_72	TC2PR	1238535	2386931	12-07-2016 09:40:12	0.00	0.01	0.20	787.1	35.4	0	0.029	0.837
PineRiver071216_73	TC2PR	1238569	2386747	12-07-2016 09:43:46	0.00	0.01	0.32	787.1	35.9	-0.398	0.022	1.356
PineRiver071216_74	TC2PR	1238501	2386550	12-07-2016 09:51:18	0.00	0.00	0.17	787.4	37.1	0	0.016	0.725
PineRiver071216_75	TC2PR	1238554	2386397	12-07-2016 09:55:00	0.00	0.00	0.05	784.8	37.7	0	0.015	0.218
PineRiver071216_76	TC2PR	1238543	2386142	12-07-2016 09:59:32	0.00	0.01	0.19	783.5	38.5	0	0.032	0.808
PineRiver071216_77	TC2PR	1238572	2386072	12-07-2016 10:04:24	1.56	0.00	1.90	781.3	39.3	6.673	0.014	8.127
PineRiver071216_78	TC2PR	1238667	2386085	12-07-2016 10:08:23	0.00	0.00	0.36	781.5	40.0	-2.437	0.017	1.541
PineRiver071216_79	TC2PR	1238668	2386202	12-07-2016 10:12:35	0.00	0.00	0.31	783.5	40.4	0	0.02	1.339
PineRiver071216_80	TC2PR	1238725	2385971	12-07-2016 10:16:57	0.00	0.01	0.27	783.9	40.6	0	0.031	1.158
PineRiver071216_81	TC2PR	1238643	2385895	12-07-2016 10:23:21	7.00	0.00	1.06	782.0	40.6	30.023	0.013	4.554
PineRiver071216_82	TC2PR	1238659	2385792	12-07-2016 10:26:52	3.50	0.01	2.12	781.9	40.6	15.023	0.03	9.105
PineRiver071216_83	TC2PR	1238583	2385948	12-07-2016 10:35:18	0.00	0.01	0.28	781.7	40.7	0	0.022	1.186
PineRiver071216_84	TC2PR	1238341	2385966	12-07-2016 10:39:58	0.00	0.00	0.05	781.1	40.6	0	0.018	0.224
PineRiver071216_85	TC2PR	1238338	2386161	12-07-2016 10:45:03	0.00	0.01	0.43	781.1	40.6	0	0.06	1.838
PineRiver071216_86	TC2PR	1238388	2386357	12-07-2016 10:50:47	0.00	0.00	0.08	783.1	40.5	0	0.018	0.33
PineRiver071216_87	TC2PR	1238342	2386547	12-07-2016 10:55:58	0.00	0.01	1.19	783.1	40.7	0	0.031	5.117
PineRiver071216_88	TC2PR	1238200	2386579	12-07-2016 10:59:41	0.00	0.00	0.05	785.0	40.8	0	0	0.231
PineRiver071216_89	TC2PR	1238208	2386564	12-07-2016 11:02:33	0.00	0.01	0.09	785.3	40.9	0	0.029	0.394
PineRiver071216_90	TC2PR	1238145	2386355	12-07-2016 11:09:08	0.00	0.02	0.18	785.4	41.5	-0.478	0.082	0.767
PineRiver071216_91	TC2PR	1239608	2383753	12-07-2016 11:51:36	0.00	0.01	0.20	783.9	42.9	0	0.028	0.855
PineRiver071216_92	TC2PR	1239699	2383752	12-07-2016 11:55:37	0.00	0.01	0.17	774.0	42.8	0	0.025	0.748
PineRiver071216_93	TC2PR	1239680	2383904	12-07-2016 11:59:44	0.00	0.01	0.97	774.6	42.8	0	0.048	4.242
PineRiver071216_94	TC2PR	1239578	2383961	12-07-2016 12:03:41	0.00	0.01	0.06	774.2	42.9	0	0.022	0.267
PineRiver071216_95	TC2PR	1239710	2384053	12-07-2016 12:08:05	189.04	0.01	1.53	773.8	43.1	826.027	0.038	6.696
PineRiver071216_96	TC2PR	1239779	2383998	12-07-2016 12:11:59	0.00	0.01	0.20	775.0	43.3	0	0.023	0.855
PineRiver071216_97	TC2PR	1239771	2384174	12-07-2016 12:15:20	0.00	0.00	0.21	776.6	43.5	0	0.008	0.906
PineRiver071216_98	TC2PR	1239712	2384311	12-07-2016 12:18:19	0.00	0.01	0.31	776.5	43.6	0	0.025	1.332
PineRiver071216_99	TC2PR	1239622	2384363	12-07-2016 12:21:27	0.00	0.00	0.27	776.9	43.8	0	0.021	1.182
PineRiver071316_123	TC2PR	1239731	2383525	13-07-2016 12:25:23	0.00	0.00	0.17	777.4	31.5	0	-0.001	0.714
PineRiver071316_124	TC2PR	1239975	2383612	13-07-2016 12:33:45	0.00	0.00	0.22	777.4	33.9	0	-0.001	0.925
PineRiver071316_125	TC2PR	1240194	2383487	13-07-2016 12:39:41	0.00	0.00	0.04	776.6	35.3	0	0.012	0.173
PineRiver071316_126	TC2PR	1240326	2383344	13-07-2016 12:44:22	0.00	0.00	0.01	774.2	36.4	0	-0.006	0.047

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver071316_127	TC2PR	1240178	2383338	13-07-2016 12:48:37	0.00	0.00	0.04	772.5	37.3	0	-0.005	0.156
PineRiver071316_128	TC2PR	1240171	2383215	13-07-2016 12:52:00	0.00	0.00	0.17	773.9	37.9	0	-0.044	0.743
PineRiver071316_129	TC2PR	1239988	2383192	13-07-2016 12:56:54	0.00	0.00	0.08	774.2	38.7	0	-0.051	0.338
PineRiver071316_130	TC2PR	1239946	2383372	13-07-2016 13:00:35	0.00	0.00	0.01	775.8	39.3	0	0	0.054
PineRiver071316_131	TC2PR	1239847	2383359	13-07-2016 13:04:43	0.00	0.00	0.29	775.7	39.9	0	-0.06	1.232
PineRiver071316_132	TC2PR	1239773	2383200	13-07-2016 13:11:15	0.00	0.00	0.23	776.5	40.8	0	0.006	0.984
PineRiver071316_133	TC2PR	1239984	2382969	13-07-2016 13:19:54	0.00	0.00	0.24	776.6	42.1	0	0	1.027
PineRiver071316_134	TC2PR	1240174	2382981	13-07-2016 13:24:54	0.00	0.00	0.26	775.4	42.8	-0.011	-0.08	1.145
PineRiver071316_135	TC2PR	1240416	2383081	13-07-2016 13:32:53	0.00	0.00	0.63	774.7	43.5	0	-0.052	2.734
PineRiver071316_136	TC2PR	1240562	2383105	13-07-2016 13:37:39	0.00	0.00	0.08	773.4	43.7	0	-0.081	0.36
PineRiver071316_137	TC2PR	1240692	2383115	13-07-2016 13:42:45	0.00	0.00	0.10	772.7	44.1	0	-0.092	0.432
PineRiver071316_138	TC2PR	1240724	2382966	13-07-2016 13:46:15	0.00	0.00	0.08	770.5	44.3	-0.573	-0.026	0.359
PineRiver071316_139	TC2PR	1240724	2382815	13-07-2016 13:51:48	0.00	0.00	0.13	770.7	44.6	0	-0.061	0.553
PineRiver071316_140	TC2PR	1240574	2382949	13-07-2016 13:58:38	28.15	0.01	1.21	771.4	44.7	124.024	0.033	5.331
PineRiver071316_141	TC2PR	1240558	2382777	13-07-2016 14:02:48	0.00	0.00	0.17	771.2	44.8	0	-0.002	0.737
PineRiver071316_142	TC2PR	1240358	2382771	13-07-2016 14:08:20	0.00	0.00	0.12	771.6	45.1	0	-0.032	0.524
PineRiver071316_143	TC2PR	1240359	2382936	13-07-2016 14:12:03	0.00	0.00	0.38	773.8	45.1	-0.058	-0.066	1.686
PineRiver071316_144	TC2PR	1240173	2382745	13-07-2016 14:17:15	0.00	0.00	0.02	773.2	45.1	0	-0.038	0.08
PineRiver071316_145	TC2PR	1240002	2382767	13-07-2016 14:21:37	0.00	0.00	0.11	774.5	45.1	0	-0.014	0.504
PineRiver071316_146	TC2PR	1240209	2382588	13-07-2016 14:26:29	0.00	0.00	0.12	775.4	45.1	0	-0.106	0.512
PineRiver071316_147	TC2PR	1240323	2382587	13-07-2016 14:29:50	0.00	0.00	0.19	775.4	45.1	0	-0.102	0.826
PineRiver071316_148	TC2PR	1240586	2382560	13-07-2016 14:35:29	0.00	0.00	0.55	774.7	45.2	0	-0.088	2.404
PineRiver071316_149	TC2PR	1240607	2382395	12-07-2016 12:39:13	0.00	0.00	0.20	774.7	45.1	0	-0.113	0.879
PineRiver071316_150	TC2PR	1240767	2382282	13-07-2016 14:47:12	0.00	0.00	0.14	774.3	45.5	0	-0.058	0.631
PineRiver071316_151	TC2PR	1240761	2382153	13-07-2016 14:50:38	0.00	0.00	0.08	772.3	45.6	0	-0.124	0.347
PineRiver071316_152	TC2PR	1240568	2382158	13-07-2016 14:56:42	0.00	0.00	0.03	773.1	45.7	0	0.007	0.139
PineRiver071316_153	TC2PR	1240372	2382196	13-07-2016 15:01:35	0.00	0.00	0.06	773.0	45.7	0	0	0.258
PineRiver071316_154	TC2PR	1240335	2382357	13-07-2016 15:07:13	0.00	0.00	0.40	775.1	45.7	0	-0.11	1.77
PineRiver071316_155	TC2PR	1240169	2382349	13-07-2016 15:15:33	0.00	0.01	0.11	776.5	45.9	0	0.032	0.484
PineRiver071316_156	TC2PR	1240407	2381988	13-07-2016 15:22:39	0.00	0.00	0.06	776.6	45.9	-0.13	-0.087	0.263
PineRiver071316_157	TC2PR	1240542	2381995	13-07-2016 15:26:09	0.00	0.00	0.38	775.4	45.8	0	-0.103	1.679
PineRiver071316_158	TC2PR	1240767	2381931	13-07-2016 15:31:39	0.00	0.00	0.28	774.9	45.9	0	-0.084	1.243
PineRiver071316_159	TC2PR	1240943	2381928	13-07-2016 15:37:06	0.00	0.00	0.10	774.5	46.0	0	-0.095	0.424
PineRiver071316_160	TC2PR	1240960	2381762	13-07-2016 15:41:54	0.00	0.00	0.41	774.2	46.2	0	-0.056	1.788
PineRiver071316_161	TC2PR	1240782	2381752	13-07-2016 15:46:15	5.28	0.01	2.41	774.7	46.2	23.276	0.03	10.605
PineRiver071316_162	TC2PR	1240711	2381749	13-07-2016 15:49:41	39.36	0.01	1.75	775.5	46.2	173.304	0.026	7.683

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver071316_163	TC2PR	1240588	2381787	13-07-2016 15:53:12	0.00	0.00	0.19	776.1	46.2	0	-0.095	0.824
PineRiver071316_164	TC2PR	1240353	2381740	13-07-2016 15:56:57	0.00	0.00	0.27	776.5	46.3	0	-0.019	1.18
PineRiver071316_165	TC2PR	1240349	2381571	13-07-2016 16:00:24	0.00	0.00	0.22	777.4	46.4	0	-0.108	0.961
PineRiver071316_166	TC2PR	1240536	2381615	13-07-2016 16:03:58	0.00	0.00	0.19	776.6	46.5	0	-0.068	0.828
PineRiver071316_167	TC2PR	1240645	2381574	13-07-2016 16:07:29	0.00	0.00	0.08	776.3	46.5	0	-0.009	0.365
PineRiver071316_168	TC2PR	1240789	2381595	13-07-2016 16:13:04	0.00	0.00	0.20	775.3	46.6	0	0.019	0.863
PineRiver071316_169	TC2PR	1240953	2381609	13-07-2016 16:17:21	0.00	0.00	0.15	775.1	46.7	0	-0.147	0.675
PineRiver071416_170	TC2PR	1240406	2381377	14-07-2016 09:27:28	0.00	0.00	0.00	777.4	25.7	-0.739	-0.004	-0.509
PineRiver071416_171	TC2PR	1240484	2381222	14-07-2016 09:33:41	0.00	0.00	0.15	777.4	26.9	0	0.002	0.627
PineRiver071416_172	TC2PR	1240597	2381359	14-07-2016 09:36:27	0.00	0.00	0.04	777.3	27.5	0	0.009	0.173
PineRiver071416_173	TC2PR	1240756	2381370	14-07-2016 09:40:05	0.00	0.00	0.19	777.4	28.5	0	0.007	0.807
PineRiver071416_174	TC2PR	1240794	2381169	14-07-2016 09:45:57	0.00	0.00	0.14	777.4	30.2	-0.002	0.007	0.602
PineRiver071416_175	TC2PR	1240951	2381210	14-07-2016 09:51:31	0.00	0.00	0.35	775.5	31.9	-0.479	0.008	1.481
PineRiver071416_176	TC2PR	1240974	2381370	14-07-2016 09:56:41	0.00	0.00	0.25	776.2	33.4	0	0.004	1.043
PineRiver071416_177	TC2PR	1241148	2381217	14-07-2016 10:05:03	0.00	0.00	0.32	775.5	35.1	-0.143	0.002	1.372
PineRiver071416_178	TC2PR	1241135	2381411	14-07-2016 10:10:38	0.00	0.00	0.41	775.0	36.1	-0.582	0.003	1.734
PineRiver071416_179	TC2PR	1241184	2381553	14-07-2016 10:14:16	0.00	0.00	0.21	773.4	36.6	0	0.008	0.881
PineRiver071416_180	TC2PR	1241243	2381428	14-07-2016 10:17:39	0.00	0.00	0.14	772.9	36.9	-1.672	0.004	0.592
PineRiver071416_181	TC2PR	1241327	2381541	14-07-2016 10:20:42	0.00	0.00	0.08	772.0	37.3	-1.246	0.001	0.335
PineRiver071416_182	TC2PR	1241392	2381410	14-07-2016 10:24:12	0.00	0.00	0.08	772.0	37.8	0	0.007	0.361
PineRiver071416_183	TC2PR	1241348	2381195	14-07-2016 10:28:34	0.00	0.00	0.09	772.2	38.6	0	0.007	0.394
PineRiver071416_184	TC2PR	1241361	2381009	14-07-2016 10:35:48	0.00	0.00	0.38	772.2	40.0	0	0.009	1.658
PineRiver071416_185	TC2PR	1241165	2380905	14-07-2016 10:42:04	0.00	0.00	0.08	772.0	41.2	0	0.012	0.364
PineRiver071416_186	TC2PR	1241186	2380743	14-07-2016 10:46:27	0.00	0.00	0.03	773.8	41.7	-0.566	0.008	0.145
PineRiver071416_187	TC2PR	1241176	2380581	14-07-2016 10:49:51	0.00	0.00	0.27	772.8	42.2	-0.002	0.018	1.182
PineRiver071416_188	TC2PR	1241176	2380446	14-07-2016 10:53:55	0.00	0.00	0.18	774.2	42.7	-0.949	0.013	0.786
PineRiver071416_189	TC2PR	1241341	2380352	14-07-2016 10:57:44	0.00	0.00	0.13	774.6	43.3	-1.387	0.008	0.557
PineRiver071416_190	TC2PR	1241335	2380563	14-07-2016 11:01:18	0.00	0.00	0.06	773.2	43.7	-0.77	0.011	0.284
PineRiver071416_191	TC2PR	1241336	2380741	14-07-2016 11:04:56	0.00	0.00	0.10	773.0	44.1	-0.607	0.009	0.437
PineRiver071416_192	TC2PR	1241536	2380618	14-07-2016 11:09:59	0.00	0.00	0.17	772.0	44.6	-0.459	0.012	0.728
PineRiver071416_193	TC2PR	1241530	2380718	14-07-2016 11:14:31	0.00	0.00	0.12	770.5	44.9	0	0.009	0.521
PineRiver071416_194	TC2PR	1241597	2380915	14-07-2016 11:19:47	0.00	0.00	0.08	769.7	45.3	0	0.012	0.352
PineRiver071416_195	TC2PR	1241738	2380995	14-07-2016 11:25:13	0.00	0.00	0.00	768.8	45.6	-0.587	0.019	-0.04
PineRiver071416_196	TC2PR	1241852	2380828	14-07-2016 11:30:25	0.00	0.01	0.22	766.8	45.8	0	0.024	0.968
PineRiver071416_197	TC2PR	1241972	2380786	14-07-2016 11:34:45	0.00	0.00	0.09	766.2	46.1	-0.046	0.015	0.397
PineRiver071416_198	TC2PR	1241988	2380565	14-07-2016 11:39:35	0.00	0.00	0.13	764.9	46.5	-2.551	0.018	0.576

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver071416_199	TC2PR	1241940	2380355	14-07-2016 11:45:27	0.00	0.01	0.16	766.5	46.9	-0.966	0.024	0.7
PineRiver071416_200	TC2PR	1241977	2380230	14-07-2016 11:51:50	0.00	0.00	0.08	767.9	47.3	-1.098	0.017	0.336
PineRiver071416_201	TC2PR	1242036	2380007	14-07-2016 11:57:16	0.00	0.00	0.13	768.0	47.7	-0.142	0.016	0.584
PineRiver071416_202	TC2PR	1242391	2380054	14-07-2016 12:07:29	0.00	0.01	0.38	768.3	48.5	-0.407	0.024	1.717
PineRiver071416_203	TC2PR	1242562	2379780	14-07-2016 12:16:12	0.00	0.00	0.10	765.6	48.6	0	0.022	0.458
PineRiver071416_204	TC2PR	1242578	2379638	14-07-2016 12:19:52	0.00	0.01	0.20	763.4	48.5	0	0.028	0.906
PineRiver071416_205	TC2PR	1242727	2379578	14-07-2016 12:24:21	0.00	0.00	0.07	763.8	48.5	-0.955	0.017	0.294
PineRiver071416_206	TC2PR	1242341	2379565	14-07-2016 12:34:30	0.00	0.00	0.07	762.4	48.5	0	0.015	0.327
PineRiver071416_207	TC2PR	1242284	2379695	14-07-2016 12:38:29	0.00	0.00	0.24	767.2	48.2	-1.129	0.018	1.054
PineRiver071416_208	TC2PR	1242199	2379622	14-07-2016 12:42:36	0.00	0.00	0.11	767.2	48.0	-0.264	0.009	0.503
PineRiver071416_209	TC2PR	1242160	2379767	14-07-2016 12:46:59	0.00	0.00	0.08	768.4	47.9	0	0.017	0.338
PineRiver071416_210	TC2PR	1242174	2379887	14-07-2016 12:51:27	0.00	0.00	0.14	768.3	47.8	0	0.017	0.646
PineRiver071416_211	TC2PR	1241975	2379494	14-07-2016 12:59:04	0.00	0.00	1.11	768.4	47.9	0	0.016	4.963
PineRiver071416_212	TC2PR	1241918	2379784	14-07-2016 13:07:56	0.00	0.00	0.10	770.8	48.0	0	0.012	0.455
PineRiver071416_213	TC2PR	1241811	2379980	14-07-2016 13:23:49	0.00	0.00	0.12	770.6	47.9	0	0.018	0.517
PineRiver071416_214	TC2PR	1241669	2380134	14-07-2016 13:29:16	0.00	0.00	0.10	770.2	47.7	0	0.012	0.452
PineRiver071416_215	TC2PR	1241732	2380333	14-07-2016 13:36:33	0.00	0.01	0.14	770.0	47.7	0	0.031	0.617
PineRiver071416_216	TC2PR	1241768	2380556	14-07-2016 13:44:19	0.00	0.00	0.04	768.7	48.0	0	0.019	0.2
PineRiver071416_217	TC2PR	1241600	2380356	14-07-2016 13:55:18	0.00	0.01	0.15	767.9	48.2	-0.072	0.023	0.685
PineRiver071416_218	TC2PR	1241541	2380303	14-07-2016 14:00:12	0.00	0.01	0.76	770.7	48.1	-0.369	0.023	3.365
PineRiver071416_219	TC2PR	1241548	2380169	14-07-2016 14:05:48	0.00	0.00	0.25	771.3	48.1	-0.475	0.01	1.117
PineRiver071416_220	TC2PR	1241611	2380001	14-07-2016 14:11:36	0.00	0.00	0.25	771.0	48.2	0	0.017	1.1
PineRiver071416_221	TC2PR	1241718	2379733	14-07-2016 14:21:52	0.00	0.00	0.20	771.0	48.4	0	0.016	0.885
PineRiver071416_222	TC2PR	1241537	2379745	14-07-2016 14:30:13	0.00	0.00	0.18	771.4	48.4	-0.226	0.018	0.8
PineRiver071416_223	TC2PR	1241357	2379953	14-07-2016 14:34:55	0.00	0.01	0.87	773.5	48.3	0	0.04	3.869
PineRiver071416_224	TC2PR	1241320	2380112	14-07-2016 14:38:59	0.00	0.00	0.00	772.7	48.3	0	0.013	0.013
PineRiver071516_225	TC2PR	1242045	2378954	15-07-2016 11:07:31	0.00	0.00	0.20	769.6	38.0	0	0.01	0.864
PineRiver071516_226	TC2PR	1242208	2379004	15-07-2016 11:12:12	0.00	0.00	0.09	769.6	38.9	0	0.005	0.402
PineRiver071516_227	TC2PR	1242386	2378947	15-07-2016 11:17:55	0.00	0.00	0.13	768.4	39.8	-0.479	-0.002	0.568
PineRiver071516_228	TC2PR	1242365	2378802	15-07-2016 11:23:00	0.00	0.00	0.10	767.0	40.6	-0.037	-0.001	0.442
PineRiver071516_229	TC2PR	1242553	2378968	15-07-2016 11:28:13	0.00	0.00	0.08	767.7	41.2	-1.59	0.017	0.352
PineRiver071516_230	TC2PR	1242574	2378777	15-07-2016 11:34:59	0.00	0.00	0.17	766.8	41.7	-0.312	0.003	0.755
PineRiver071516_231	TC2PR	1242722	2378892	15-07-2016 11:40:55	0.00	0.00	0.14	767.2	42.2	-3.002	0.015	0.623
PineRiver071516_232	TC2PR	1242797	2378760	15-07-2016 11:45:49	0.00	0.00	0.20	765.6	42.5	-0.782	0.011	0.865
PineRiver071516_233	TC2PR	1242739	2379213	15-07-2016 11:54:25	0.00	0.00	0.18	766.2	43.1	-0.064	0.011	0.797
PineRiver071516_234	TC2PR	1242775	2379377	15-07-2016 11:59:36	0.00	0.00	0.39	763.5	43.3	-3.53	0.01	1.719

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver071516_235	TC2PR	1242652	2379204	15-07-2016 12:05:32	0.00	0.00	0.14	762.6	43.6	0	0.018	0.627
PineRiver071516_236	TC2PR	1242604	2379393	15-07-2016 12:11:25	0.00	0.00	0.15	764.6	44.0	0	0.011	0.667
PineRiver071516_237	TC2PR	1242396	2379127	15-07-2016 12:16:53	0.00	0.00	0.25	764.4	44.4	-2.252	0.008	1.098
PineRiver071516_238	TC2PR	1242337	2379356	15-07-2016 12:22:04	0.00	0.00	0.07	767.5	44.7	0	0.009	0.313
PineRiver071516_239	TC2PR	1242212	2379360	15-07-2016 12:26:28	0.00	0.00	0.15	767.7	45.0	-0.053	0.01	0.66
PineRiver071516_240	TC2PR	1242153	2379167	15-07-2016 12:33:05	0.00	0.00	0.35	768.9	45.4	-2.141	0.019	1.544
PineRiver071516_241	TC2PR	1241988	2379178	15-07-2016 12:37:56	0.00	0.00	0.04	770.0	45.7	-0.455	0.009	0.161
PineRiver071516_242	TC2PR	1242109	2378740	15-07-2016 12:44:14	0.00	0.00	0.15	770.1	46.0	0	0.009	0.662
PineRiver071516_243	TC2PR	1242116	2378618	15-07-2016 12:49:17	0.00	0.00	0.17	768.9	46.1	-0.561	0.008	0.762
PineRiver071516_244	TC2PR	1242119	2378361	15-07-2016 12:53:21	0.00	0.00	0.37	770.0	46.2	-0.542	0.02	1.652
PineRiver071516_245	TC2PR	1242124	2378174	15-07-2016 12:56:54	0.00	0.00	0.20	771.2	46.2	-0.876	0.006	0.891
PineRiver071516_246	TC2PR	1242133	2377976	15-07-2016 13:00:00	0.00	0.00	0.47	772.2	46.2	-0.373	0.012	2.066
PineRiver071516_247	TC2PR	1242143	2377728	15-07-2016 13:03:47	0.00	0.00	0.10	772.7	46.3	-0.531	0.016	0.464
PineRiver071516_248	TC2PR	1242143	2377573	15-07-2016 13:07:38	0.00	0.00	0.17	773.5	46.4	-0.448	0.012	0.729
PineRiver081716_01	Sec18	1237500	2335125	17-08-2016 12:17:51	0.00	0.00	0.12	778.6	35.9	0	0.007	0.506
PineRiver081716_02	Sec18	1237475	2335186	17-08-2016 12:21:07	0.00	0.00	0.15	778.6	36.5	0	0.014	0.648
PineRiver081716_03	Sec18	1237481	2335237	17-08-2016 12:23:40	0.00	0.01	0.33	779.4	37.0	0	0.023	1.386
PineRiver081716_04	Sec18	1237470	2335302	17-08-2016 12:26:31	0.00	0.01	0.25	779.3	37.5	-0.356	0.028	1.051
PineRiver081716_05	Sec18	1237434	2335279	17-08-2016 12:29:35	0.00	0.00	0.83	779.8	38.1	-0.37	0.017	3.544
PineRiver081716_06	Sec18	1237419	2335224	17-08-2016 12:33:27	0.00	0.00	0.21	780.1	39.0	0	0	0.881
PineRiver081716_07	Sec18	1237416	2335194	17-08-2016 12:35:28	0.00	0.00	0.13	780.1	39.4	-0.001	0.007	0.553
PineRiver081716_08	Sec18	1237427	2335130	17-08-2016 12:38:10	0.00	0.00	0.14	779.7	40.0	0	0.01	0.597
PineRiver081716_09	Sec18	1237378	2335123	17-08-2016 12:40:31	0.97	0.00	0.85	780.1	40.4	4.154	0.02	3.669
PineRiver081716_10	Sec18	1237379	2335074	17-08-2016 12:42:27	0.00	0.00	0.14	780.1	40.8	-1.125	0.019	0.612
PineRiver081716_11	Sec18	1237419	2335060	17-08-2016 12:44:28	0.00	0.00	0.05	779.6	41.1	-0.808	-0.004	0.228
PineRiver081716_12	Sec18	1237326	2335089	17-08-2016 12:47:17	0.00	0.00	0.32	779.9	41.5	-2.752	0.009	1.376
PineRiver081716_13	Sec18	1237331	2335124	17-08-2016 12:49:09	0.00	0.01	0.17	779.9	41.8	-0.492	0.035	0.724
PineRiver081716_14	Sec18	1237368	2335196	17-08-2016 12:51:20	0.00	0.01	0.22	780.4	42.0	-2.259	0.058	0.971
PineRiver081716_15	Sec18	1237358	2335243	17-08-2016 12:53:51	0.00	0.01	0.11	780.4	42.3	0	0.023	0.46
PineRiver081716_16	Sec18	1237367	2335300	17-08-2016 12:56:02	0.00	0.00	0.09	781.1	42.4	0	0.005	0.4
PineRiver081716_17	Sec18	1237332	2335288	17-08-2016 12:59:33	0.00	0.01	0.32	781.3	42.7	0	0.028	1.383
PineRiver081716_18	Sec18	1237313	2335236	17-08-2016 13:01:49	0.00	0.00	0.21	780.8	42.8	-1.67	0.009	0.91
PineRiver081716_19	Sec18	1237313	2335180	17-08-2016 13:04:03	0.00	0.02	0.26	780.6	42.9	0	0.072	1.115
PoleBarn062216_01	PB	1237036	2384509	22-06-2016 11:19:42	0.00	0.00	0.14	791.7	41.2	0	-0.047	0.596
PoleBarn062216_02	PB	1237079	2384494	22-06-2016 11:22:12	0.00	0.00	0.07	784.4	41.0	0	-0.001	0.305
PoleBarn062216_03	PB	1237074	2384555	22-06-2016 11:24:38	0.00	0.00	0.13	784.8	40.9	0	-0.028	0.561

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PoleBarn062216_04	PB	1237082	2384607	22-06-2016 11:27:08	0.00	0.00	1.01	784.7	40.8	0	-0.015	4.337
PoleBarn062216_05	PB	1237081	2384654	22-06-2016 11:30:08	0.00	0.00	0.16	785.0	40.8	0	-0.035	0.693
PoleBarn062216_06	PB	1237083	2384699	22-06-2016 11:32:26	0.00	0.00	0.13	784.7	40.9	0	-0.032	0.554
PoleBarn062216_07	PB	1237035	2384698	22-06-2016 11:34:47	0.00	0.00	0.19	784.6	41.0	0	-0.011	0.816
PoleBarn062216_08	PB	1237030	2384649	22-06-2016 11:37:08	0.00	0.00	0.27	784.6	41.1	0	-0.02	1.158
PoleBarn062216_09	PB	1237024	2384612	22-06-2016 11:39:01	0.00	0.00	0.27	784.6	41.1	0	-0.02	1.158
PoleBarn062216_10	PB	1237020	2384559	22-06-2016 11:41:03	0.00	0.00	0.14	784.6	41.2	0	-0.029	0.583
PoleBarn062216_11	PB	1236968	2384501	22-06-2016 11:43:17	0.00	0.00	0.36	784.7	41.3	0	-0.04	1.563
PoleBarn062216_12	PB	1236919	2384498	22-06-2016 11:45:45	0.00	0.00	0.19	784.7	41.4	0	-0.091	0.816
PoleBarn062216_13	PB	1236878	2384496	22-06-2016 11:47:20	0.00	0.00	0.20	785.0	41.5	0	-0.044	0.856
PoleBarn062216_14	PB	1236872	2384545	22-06-2016 11:49:36	0.00	0.00	0.11	785.2	41.6	0	-0.028	0.471
PoleBarn062216_15	PB	1236870	2384601	22-06-2016 11:51:34	0.00	0.00	0.23	785.1	41.7	0	-0.043	0.971
PoleBarn062216_16	PB	1236873	2384652	22-06-2016 11:53:23	0.00	0.00	0.21	785.0	41.8	0	-0.02	0.89
PoleBarn062216_17	PB	1236886	2384688	22-06-2016 11:57:11	0.00	0.00	0.16	785.0	41.9	0	-0.029	0.691
PoleBarn062216_18	PB	1236933	2384705	22-06-2016 11:59:34	0.00	0.00	0.11	785.1	42.0	0	-0.087	0.475
PoleBarn062216_19	PB	1236980	2384691	22-06-2016 12:02:11	0.00	0.00	0.11	784.8	42.1	0	-0.03	0.46
PoleBarn062216_20	PB	1236924	2384648	22-06-2016 12:04:28	0.00	0.00	0.13	784.7	42.2	0	-0.022	0.559
PoleBarn062216_21	PB	1236981	2384643	22-06-2016 12:06:31	0.00	0.00	0.02	785.2	42.3	0	-0.025	0.103
PoleBarn062216_22	PB	1236933	2384602	22-06-2016 12:08:44	0.00	0.00	0.11	784.8	42.5	0	-0.118	0.492
PoleBarn062216_23	PB	1236984	2384592	22-06-2016 12:10:51	0.00	0.00	0.19	784.6	42.7	0	-0.047	0.798
PoleBarn062216_24	PB	1236930	2384543	22-06-2016 12:13:07	0.00	0.00	0.04	784.7	42.9	0	-0.032	0.154
PoleBarn062216_25	PB	1236976	2384544	22-06-2016 12:15:22	0.00	0.00	0.14	784.6	43.1	0	-0.048	0.622
SFTC062716_01	TC2PR	1243371	2373672	27-06-2016 09:09:36	0.00	0.00	0.44	783.6	27.8	0	-0.018	1.79
SFTC062716_02	TC2PR	1243378	2373570	27-06-2016 09:12:50	0.00	0.00	0.26	783.7	28.9	0	-0.017	1.071
SFTC062716_03	TC2PR	1243409	2373563	27-06-2016 09:15:30	0.00	0.00	0.03	783.7	29.7	0	-0.019	0.115
SFTC062716_04	TC2PR	1243402	2373404	27-06-2016 09:19:10	0.00	0.00	0.29	784.1	30.7	0	-0.01	1.217
SFTC062716_05	TC2PR	1243433	2373166	27-06-2016 09:22:51	0.00	0.00	0.16	783.7	31.6	0	-0.004	0.686
SFTC062716_06	TC2PR	1243451	2373044	27-06-2016 09:25:45	0.00	0.00	0.26	783.0	32.3	0	-0.004	1.088
SFTC062716_07	TC2PR	1243416	2372782	27-06-2016 09:29:30	0.00	0.00	0.10	783.2	33.3	-0.18	-0.008	0.414
SFTC062716_08	TC2PR	1243423	2372561	27-06-2016 09:32:37	0.00	0.00	0.17	782.9	34.2	0	-0.007	0.722
SFTC062716_09	TC2PR	1243478	2372341	27-06-2016 09:36:21	0.00	0.00	0.16	782.9	35.3	0	-0.008	0.671
SFTC062716_10	TC2PR	1243444	2372315	27-06-2016 09:38:46	0.00	0.00	0.18	783.0	36.1	0	-0.023	0.776
SFTC062716_100	TC2PR	1243402	2374046	27-06-2016 14:48:23	0.00	0.00	0.05	782.0	44.8	0	0	0.219
SFTC062716_101	TC2PR	1243454	2374059	27-06-2016 14:50:59	0.00	0.00	0.49	782.1	44.7	0	0	2.118
SFTC062716_102	TC2PR	1243470	2374014	27-06-2016 14:53:20	1.09	0.00	0.00	782.0	44.7	4.758	0.017	-0.087
SFTC062716_103	TC2PR	1243421	2374003	27-06-2016 14:56:30	0.00	0.00	0.97	787.3	44.6	0	-0.001	4.205

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC062716_104	TC2PR	1243419	2373965	27-06-2016 14:59:20	10.33	0.01	3.74	787.3	44.6	44.578	0.032	16.127
SFTC062716_105	TC2PR	1243378	2373980	27-06-2016 15:02:22	0.00	0.00	1.51	781.7	44.6	0	-0.001	6.579
SFTC062716_106	TC2PR	1243358	2373984	27-06-2016 15:04:45	0.00	0.00	0.37	781.7	44.5	0	0	1.588
SFTC062716_107	TC2PR	1243303	2373987	27-06-2016 15:07:08	0.00	0.00	0.15	782.0	44.5	0	0	0.662
SFTC062716_108	TC2PR	1243290	2373926	27-06-2016 15:09:28	0.00	0.00	0.57	782.0	44.4	0	-0.001	2.475
SFTC062716_109	TC2PR	1243321	2373897	27-06-2016 15:11:44	0.00	0.00	0.62	781.6	44.3	0	-0.001	2.695
SFTC062716_11	TC2PR	1243420	2371980	27-06-2016 09:42:13	0.00	0.00	0.28	783.0	37.0	0	-0.045	1.178
SFTC062716_110	TC2PR	1243294	2373822	27-06-2016 15:14:15	19.42	0.00	2.25	781.5	44.2	84.302	0	9.752
SFTC062716_111	TC2PR	1243264	2373800	27-06-2016 15:16:31	0.00	0.00	0.03	781.7	44.1	0	0	0.116
SFTC062716_112	TC2PR	1243242	2373817	27-06-2016 15:18:39	0.00	0.00	0.75	781.7	44.1	-0.001	-0.001	3.25
SFTC062716_113	TC2PR	1243229	2373862	27-06-2016 15:20:47	0.00	0.00	0.30	781.7	44.1	0	-0.001	1.316
SFTC062716_114	TC2PR	1243223	2373769	27-06-2016 15:23:06	0.00	0.00	0.77	781.6	44.1	0	0	3.332
SFTC062716_115	TC2PR	1243289	2373756	27-06-2016 15:25:33	0.00	0.00	0.26	781.5	44.0	0	-0.001	1.111
SFTC062716_116	TC2PR	1243294	2373703	27-06-2016 15:27:52	0.00	0.00	0.12	781.5	43.9	0	0	0.532
SFTC062716_117	TC2PR	1243374	2373801	27-06-2016 15:30:59	0.00	0.00	0.16	781.5	43.8	0	0	0.689
SFTC062716_118	TC2PR	1243431	2373922	27-06-2016 15:33:36	3.89	0.01	2.46	781.1	43.8	16.857	0.026	10.687
SFTC062716_119	TC2PR	1243472	2373929	27-06-2016 15:36:01	7.97	0.01	1.12	781.2	43.9	34.579	0.032	4.839
SFTC062716_12	TC2PR	1243516	2371791	27-06-2016 09:45:08	0.00	0.00	0.01	783.2	37.8	0	-0.052	0.061
SFTC062716_120	TC2PR	1243435	2373779	27-06-2016 15:39:11	0.00	0.00	0.03	781.5	44.1	0	0	0.151
SFTC062716_13	TC2PR	1243491	2371651	27-06-2016 09:48:18	0.00	0.00	0.19	782.7	38.7	0	-0.013	0.813
SFTC062716_14	TC2PR	1243491	2371616	27-06-2016 09:51:01	0.00	0.00	0.41	782.4	39.4	0	-0.057	1.743
SFTC062716_15	TC2PR	1243542	2371561	27-06-2016 09:53:28	0.00	0.00	0.45	782.3	40.0	0	0	1.915
SFTC062716_16	TC2PR	1243555	2371367	27-06-2016 09:56:16	0.00	0.00	0.30	782.4	40.5	0	-0.066	1.278
SFTC062716_17	TC2PR	1243560	2371195	27-06-2016 09:59:23	0.00	0.00	0.73	782.1	41.1	0	-0.008	3.119
SFTC062716_18	TC2PR	1243547	2371158	27-06-2016 10:01:47	0.00	0.00	0.47	781.9	41.6	0	0	2.04
SFTC062716_19	TC2PR	1243579	2371153	27-06-2016 10:04:00	0.00	0.00	0.97	781.9	42.1	0	-0.097	4.197
SFTC062716_20	TC2PR	1243591	2371101	27-06-2016 10:06:22	0.00	0.00	0.35	782.0	42.6	0	0	1.516
SFTC062716_21	TC2PR	1243556	2370955	27-06-2016 10:09:09	0.72	0.00	3.26	782.3	43.0	3.106	-0.031	14.066
SFTC062716_22	TC2PR	1243589	2370957	27-06-2016 10:11:49	0.00	0.00	1.03	781.7	43.5	0	-0.007	4.463
SFTC062716_23	TC2PR	1243562	2370793	27-06-2016 10:14:15	0.00	0.00	0.70	781.5	43.9	0	-0.049	3.038
SFTC062716_24	TC2PR	1243564	2370597	27-06-2016 10:19:23	0.00	0.00	0.27	781.5	44.4	0	0	1.18
SFTC062716_25	TC2PR	1243454	2370620	27-06-2016 10:21:10	0.00	0.00	0.59	781.5	45.0	0	-0.133	2.547
SFTC062716_26	TC2PR	1243090	2370544	27-06-2016 10:24:53	0.00	0.00	0.14	782.5	45.5	0	0	0.597
SFTC062716_27	TC2PR	1243189	2370707	27-06-2016 10:27:41	0.00	0.00	0.11	782.4	45.8	0	-0.081	0.5
SFTC062716_28	TC2PR	1243419	2370809	27-06-2016 10:30:45	1.08	0.00	1.20	782.1	46.0	4.72	0.017	5.244
SFTC062716_29	TC2PR	1243376	2370905	27-06-2016 10:33:17	0.00	0.00	0.10	782.4	46.1	0	-0.119	0.454

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC062716_30	TC2PR	1243178	2370927	27-06-2016 10:36:52	0.00	0.00	0.18	782.3	46.3	0	-0.056	0.768
SFTC062716_31	TC2PR	1243032	2370992	27-06-2016 10:40:55	0.00	0.00	0.10	782.1	46.4	0	-0.068	0.449
SFTC062716_32	TC2PR	1242944	2371199	27-06-2016 10:44:13	0.00	0.00	0.11	781.2	46.4	0	0	0.471
SFTC062716_33	TC2PR	1242983	2371423	27-06-2016 10:47:15	0.00	0.00	0.13	781.3	46.3	0	0	0.565
SFTC062716_34	TC2PR	1242925	2371581	27-06-2016 10:50:25	0.00	0.00	0.12	782.0	46.1	0	0	0.526
SFTC062716_35	TC2PR	1242941	2371730	27-06-2016 10:53:57	0.00	0.00	0.32	782.4	45.9	0	-0.002	1.391
SFTC062716_36	TC2PR	1243110	2371536	27-06-2016 10:57:20	0.00	0.00	1.78	782.7	45.8	0	0	7.758
SFTC062716_37	TC2PR	1243224	2371456	27-06-2016 11:00:06	0.00	0.00	1.03	783.1	45.8	0	0	4.494
SFTC062716_38	TC2PR	1243210	2371361	27-06-2016 11:02:30	0.00	0.00	0.58	783.0	45.8	0	-0.001	2.508
SFTC062716_39	TC2PR	1243148	2371217	27-06-2016 11:05:13	0.00	0.00	0.35	782.3	46.0	0	0	1.512
SFTC062716_40	TC2PR	1243366	2371251	27-06-2016 11:09:18	0.00	0.00	0.35	782.3	46.2	0	-0.001	1.517
SFTC062716_41	TC2PR	1243341	2371397	27-06-2016 11:11:01	0.00	0.00	0.23	782.3	46.5	0	-0.001	0.984
SFTC062716_42	TC2PR	1243362	2371591	27-06-2016 11:13:59	0.00	0.00	0.19	782.3	46.7	0	-0.001	0.82
SFTC062716_43	TC2PR	1243187	2371736	27-06-2016 11:17:08	0.00	0.00	0.28	782.0	46.9	0	-0.001	1.223
SFTC062716_44	TC2PR	1243277	2371768	27-06-2016 11:19:58	0.00	0.00	0.11	782.3	47.1	0	0	0.472
SFTC062716_45	TC2PR	1243215	2371970	27-06-2016 11:22:57	0.00	0.00	0.21	782.7	47.3	0	0	0.935
SFTC062716_46	TC2PR	1242890	2371959	27-06-2016 11:26:39	0.00	0.00	0.42	783.0	47.4	0	-0.002	1.852
SFTC062716_47	TC2PR	1242795	2371996	27-06-2016 11:29:04	0.00	0.00	0.19	782.7	47.5	0	0	0.835
SFTC062716_48	TC2PR	1242762	2372166	27-06-2016 11:32:47	0.00	0.00	0.33	783.0	47.7	0	0	1.455
SFTC062716_49	TC2PR	1242979	2372153	27-06-2016 12:05:21	0.00	0.00	0.26	781.9	45.0	0	0	1.118
SFTC062716_50	TC2PR	1243226	2372198	27-06-2016 12:10:51	0.00	0.00	0.83	782.5	44.4	0	0	3.582
SFTC062716_51	TC2PR	1243341	2372203	27-06-2016 12:13:28	0.00	0.00	0.15	782.7	44.2	0	0	0.642
SFTC062716_52	TC2PR	1243357	2372166	27-06-2016 12:15:59	0.00	0.00	0.52	782.4	44.1	0	0	2.241
SFTC062716_53	TC2PR	1243395	2372242	27-06-2016 12:18:33	0.00	0.00	0.26	782.7	44.2	0	0	1.11
SFTC062716_54	TC2PR	1243374	2372280	27-06-2016 12:20:43	0.00	0.00	0.28	782.3	44.3	0	-0.001	1.217
SFTC062716_55	TC2PR	1243423	2372313	27-06-2016 12:25:39	0.00	0.00	0.43	782.1	44.6	0	-0.001	1.852
SFTC062716_56	TC2PR	1243349	2372389	27-06-2016 12:28:05	0.00	0.00	0.18	782.1	44.8	0	0	0.799
SFTC062716_57	TC2PR	1243373	2372572	27-06-2016 12:31:17	0.00	0.00	0.13	782.0	45.0	0	-0.001	0.569
SFTC062716_58	TC2PR	1243123	2372527	27-06-2016 12:34:29	0.00	0.00	0.68	781.9	45.2	0	0	2.981
SFTC062716_59	TC2PR	1243171	2372371	27-06-2016 12:37:03	0.00	0.00	0.28	782.4	45.3	0	0	1.229
SFTC062716_60	TC2PR	1242992	2372369	27-06-2016 12:41:44	0.00	0.00	0.04	782.8	45.5	0	-0.002	0.155
SFTC062716_61	TC2PR	1242971	2372336	27-06-2016 12:43:55	0.00	0.00	0.14	782.1	45.6	0	0	0.602
SFTC062716_62	TC2PR	1242803	2372363	27-06-2016 12:47:20	0.00	0.00	0.17	782.3	45.7	0	0	0.725
SFTC062716_63	TC2PR	1242761	2372532	27-06-2016 12:50:51	0.00	0.00	0.19	780.9	45.7	0	-0.002	0.816
SFTC062716_64	TC2PR	1242766	2372763	27-06-2016 12:54:25	0.00	0.00	0.16	780.8	45.7	0	0	0.7
SFTC062716_65	TC2PR	1242817	2372936	27-06-2016 12:57:21	0.00	0.00	0.86	780.4	45.8	0	0	3.753

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC062716_66	TC2PR	1242793	2373121	27-06-2016 13:00:33	0.00	0.00	0.53	780.8	45.8	0	0	2.321
SFTC062716_67	TC2PR	1242681	2373354	27-06-2016 13:03:45	0.00	0.00	0.09	780.3	45.7	0	0	0.406
SFTC062716_68	TC2PR	1242797	2373569	27-06-2016 13:07:02	0.00	0.00	0.21	780.5	45.7	0	0	0.911
SFTC062716_69	TC2PR	1242773	2373779	27-06-2016 13:10:20	0.00	0.00	0.09	781.9	45.6	0	-0.001	0.389
SFTC062716_70	TC2PR	1242573	2373761	27-06-2016 13:13:01	0.00	0.00	0.14	782.3	45.5	0	0	0.614
SFTC062716_71	TC2PR	1242592	2373950	27-06-2016 13:15:32	0.00	0.00	0.29	782.3	45.4	0	-0.001	1.272
SFTC062716_72	TC2PR	1242802	2374082	27-06-2016 13:19:33	0.00	0.00	0.09	782.7	45.4	0	0	0.411
SFTC062716_73	TC2PR	1242814	2373964	27-06-2016 13:22:32	0.00	0.00	0.17	782.8	45.4	0	0	0.753
SFTC062716_74	TC2PR	1242967	2373969	27-06-2016 13:25:44	0.00	0.00	0.20	782.5	45.5	0	-0.002	0.86
SFTC062716_75	TC2PR	1242997	2374077	27-06-2016 13:28:22	0.00	0.00	0.11	782.8	45.6	0	0	0.497
SFTC062716_76	TC2PR	1242979	2373762	27-06-2016 13:32:20	0.00	0.00	0.09	782.8	45.8	0	0	0.385
SFTC062716_77	TC2PR	1243018	2373598	27-06-2016 13:35:51	0.00	0.00	0.23	782.5	45.9	0	-0.002	1.018
SFTC062716_78	TC2PR	1243035	2373366	27-06-2016 13:40:06	0.00	0.00	0.19	782.7	46.0	0	0	0.836
SFTC062716_79	TC2PR	1242968	2373182	27-06-2016 13:43:53	0.00	0.00	0.14	782.7	46.0	0	0	0.606
SFTC062716_80	TC2PR	1242953	2372991	27-06-2016 13:46:59	0.00	0.00	0.27	781.2	45.9	0	0	1.192
SFTC062716_81	TC2PR	1242891	2372760	27-06-2016 13:50:26	0.00	0.00	0.25	781.2	45.7	0	0	1.107
SFTC062716_82	TC2PR	1242926	2372555	27-06-2016 13:54:09	0.00	0.00	0.83	781.3	45.6	0	-0.004	3.628
SFTC062716_83	TC2PR	1243151	2372720	27-06-2016 13:58:44	0.00	0.00	0.17	781.9	45.4	0	0	0.737
SFTC062716_84	TC2PR	1243171	2372972	27-06-2016 14:01:47	0.00	0.00	0.11	781.7	45.4	0	0	0.469
SFTC062716_85	TC2PR	1243142	2373133	27-06-2016 14:04:47	0.00	0.00	0.26	781.9	45.4	0	0	1.131
SFTC062716_86	TC2PR	1243152	2373378	27-06-2016 14:07:51	0.00	0.00	0.35	782.3	45.4	0	0	1.532
SFTC062716_87	TC2PR	1243355	2373413	27-06-2016 14:11:41	0.00	0.01	0.30	782.1	45.4	0	0.029	1.297
SFTC062716_88	TC2PR	1243246	2373567	27-06-2016 14:14:45	0.00	0.00	0.12	782.3	45.4	0	0	0.519
SFTC062716_89	TC2PR	1243264	2373660	27-06-2016 14:17:06	0.00	0.00	0.15	782.1	45.4	0	0	0.656
SFTC062716_90	TC2PR	1243154	2373541	27-06-2016 14:20:15	0.00	0.00	0.32	782.3	45.4	0	0	1.403
SFTC062716_91	TC2PR	1243163	2373679	27-06-2016 14:23:08	0.00	0.00	0.38	782.3	45.3	0	-0.001	1.67
SFTC062716_92	TC2PR	1243200	2373751	27-06-2016 14:25:53	0.00	0.00	0.28	782.3	45.2	0	0	1.224
SFTC062716_93	TC2PR	1243150	2373772	27-06-2016 14:28:13	0.00	0.00	0.58	782.3	45.1	0	-0.003	2.504
SFTC062716_94	TC2PR	1243172	2373879	27-06-2016 14:30:48	0.00	0.00	0.74	782.3	45.1	0	-0.006	3.23
SFTC062716_95	TC2PR	1243239	2373922	27-06-2016 14:34:30	0.00	0.00	0.62	782.3	45.1	0	0	2.695
SFTC062716_96	TC2PR	1243236	2373971	27-06-2016 14:36:56	0.00	0.00	0.19	782.1	45.0	0	0	0.846
SFTC062716_97	TC2PR	1243272	2374036	27-06-2016 14:39:27	0.00	0.00	0.35	782.3	45.0	0	0	1.535
SFTC062716_98	TC2PR	1243343	2374023	27-06-2016 14:42:41	0.00	0.00	0.28	782.1	44.9	0	-0.001	1.206
SFTC062716_99	TC2PR	1243354	2374036	27-06-2016 14:45:56	19.54	0.00	3.41	782.3	44.8	84.924	0	14.812
SFTC070616_01	TC2PR	1243470	2373854	06-07-2016 09:28:21	0.00	0.00	0.36	778.6	29.6	0	-0.002	1.486
SFTC070616_02	TC2PR	1243496	2373893	06-07-2016 09:34:46	3.84	0.00	1.57	778.6	31.4	16.043	0.007	6.56

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC070616_03	TC2PR	1243544	2373931	06-07-2016 09:37:25	229.11	0.00	3.42	778.6	31.9	959.75	0.014	14.341
SFTC070616_04	TC2PR	1243579	2373957	06-07-2016 09:40:10	39.80	0.00	2.29	778.9	32.4	166.914	0.017	9.59
SFTC070616_05	TC2PR	1243626	2373993	06-07-2016 09:42:35	0.00	0.00	0.04	779.3	32.8	0	-0.016	0.156
SFTC070616_06	TC2PR	1243663	2374025	06-07-2016 09:44:42	0.00	0.00	0.20	779.1	33.2	0	-0.001	0.847
SFTC070616_07	TC2PR	1243595	2374050	06-07-2016 09:47:30	0.00	0.01	0.45	779.0	33.7	0	0.038	1.908
SFTC070616_08	TC2PR	1243552	2374038	06-07-2016 09:50:15	0.72	0.00	2.15	779.1	34.2	3.04	0.016	9.086
SFTC070616_09	TC2PR	1243542	2373973	06-07-2016 09:53:09	4.87	0.00	0.58	779.0	34.8	20.569	0.009	2.437
SFTC070616_10	TC2PR	1243468	2373934	06-07-2016 09:56:12	17.84	0.00	3.63	778.9	35.5	75.59	0.016	15.376
SFTC070616_100	TC2PR	1244157	2372583	07-07-2016 11:14:25	0.00	0.00	0.37	772.4	40.3	0	0.014	1.593
SFTC070616_101	TC2PR	1244144	2372815	07-07-2016 11:18:55	0.00	0.00	0.13	774.9	40.3	0	0.01	0.561
SFTC070616_102	TC2PR	1244186	2373007	07-07-2016 11:23:32	0.00	0.00	0.41	773.2	40.2	0	0.016	1.772
SFTC070616_103	TC2PR	1244330	2373022	07-07-2016 11:26:14	0.00	0.00	0.06	771.4	40.1	0	0.008	0.269
SFTC070616_104	TC2PR	1244306	2373164	07-07-2016 11:28:58	0.00	0.00	0.11	770.7	39.9	0	0.011	0.493
SFTC070616_105	TC2PR	1244321	2373305	07-07-2016 11:31:49	0.00	0.00	0.05	771.5	39.8	0	0.007	0.222
SFTC070616_106	TC2PR	1244161	2373364	07-07-2016 11:36:04	0.00	0.00	0.11	770.4	39.8	0	0.009	0.467
SFTC070616_107	TC2PR	1244186	2373155	07-07-2016 11:40:16	0.00	0.00	0.02	771.8	39.7	0	0.016	0.095
SFTC070616_108	TC2PR	1243229	2374355	07-07-2016 12:26:49	24.11	0.01	2.94	771.6	38.5	104.101	0.024	12.69
SFTC070616_109	TC2PR	1243200	2374351	07-07-2016 12:29:09	0.00	0.00	0.49	778.1	38.3	0	0.009	2.077
SFTC070616_11	TC2PR	1243513	2374055	06-07-2016 10:00:56	0.82	0.00	2.16	778.6	36.6	3.469	0.003	9.2
SFTC070616_110	TC2PR	1243075	2374378	07-07-2016 12:32:14	0.00	0.00	0.24	777.5	38.2	-1.421	0.018	1.012
SFTC070616_111	TC2PR	1243018	2374351	07-07-2016 12:33:52	0.00	0.00	0.63	777.5	38.2	0	0.018	2.698
SFTC070616_112	TC2PR	1242967	2374349	07-07-2016 12:36:56	0.00	0.00	0.36	777.0	38.3	0	0.012	1.535
SFTC070616_113	TC2PR	1242550	2374124	07-07-2016 12:42:03	0.00	0.00	0.27	776.9	38.6	0	0.019	1.141
SFTC070616_114	TC2PR	1242608	2374399	07-07-2016 12:45:38	0.00	0.00	0.39	777.7	38.7	0	0.019	1.674
SFTC070616_115	TC2PR	1242613	2374547	07-07-2016 12:48:35	0.00	0.00	0.23	777.0	38.7	0	0.015	0.985
SFTC070616_116	TC2PR	1242668	2374779	07-07-2016 12:51:48	0.00	0.00	0.19	776.5	38.8	0	0.012	0.797
SFTC070616_117	TC2PR	1242814	2374887	07-07-2016 12:55:06	0.00	0.00	0.23	776.9	38.8	0	0.016	0.975
SFTC070616_118	TC2PR	1242807	2374759	07-07-2016 12:57:46	0.00	0.01	0.48	776.5	38.9	0	0.023	2.042
SFTC070616_119	TC2PR	1242834	2374572	07-07-2016 13:00:36	0.00	0.00	0.32	776.2	38.9	0	0.021	1.382
SFTC070616_12	TC2PR	1243533	2374061	06-07-2016 10:02:50	0.19	0.00	0.49	779.2	37.0	0.804	0.015	2.098
SFTC070616_120	TC2PR	1242948	2374463	07-07-2016 13:03:27	0.00	0.00	0.20	776.6	39.0	0	0.01	0.862
SFTC070616_121	TC2PR	1242962	2374541	07-07-2016 13:05:59	0.00	0.00	0.36	776.5	39.1	0	0.014	1.563
SFTC070616_122	TC2PR	1242998	2374656	07-07-2016 13:09:11	0.00	0.00	0.22	776.2	39.2	-0.221	0.008	0.936
SFTC070616_123	TC2PR	1242983	2374752	07-07-2016 13:11:52	0.00	0.00	0.32	776.6	39.4	0	0.017	1.382
SFTC070616_124	TC2PR	1243071	2374631	07-07-2016 13:14:34	0.00	0.00	0.14	776.3	39.5	-0.228	0.014	0.583
SFTC070616_125	TC2PR	1243071	2374558	07-07-2016 13:16:58	0.00	0.00	0.31	776.9	39.6	-0.019	0.015	1.339

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC070616_126	TC2PR	1243054	2374464	07-07-2016 13:20:11	0.00	0.00	0.20	777.0	39.7	-0.109	0.012	0.841
SFTC070616_127	TC2PR	1243159	2374488	07-07-2016 13:22:57	0.00	0.00	0.42	777.3	39.8	-0.553	0.014	1.791
SFTC070616_128	TC2PR	1243173	2374566	07-07-2016 13:25:41	36.51	0.00	5.64	777.7	39.8	157.071	0.009	24.251
SFTC070616_129	TC2PR	1243169	2374654	07-07-2016 13:28:33	0.00	0.00	0.34	778.1	39.9	-0.634	0.021	1.465
SFTC070616_13	TC2PR	1243546	2374085	06-07-2016 10:04:48	0.00	0.00	0.45	779.3	37.4	0	-0.029	1.915
SFTC070616_130	TC2PR	1243133	2374737	07-07-2016 13:31:53	0.00	0.01	0.29	777.3	40.0	-1.05	0.026	1.23
SFTC070616_131	TC2PR	1243192	2374890	07-07-2016 13:35:34	0.00	0.01	0.46	776.1	40.2	-0.866	0.022	1.971
SFTC070616_132	TC2PR	1243034	2374981	07-07-2016 13:38:34	0.00	0.00	0.30	775.9	40.3	-0.549	0.019	1.292
SFTC070616_133	TC2PR	1243055	2375057	07-07-2016 13:41:18	0.00	0.00	0.25	776.9	40.3	-0.112	0.004	1.064
SFTC070616_134	TC2PR	1243213	2375050	07-07-2016 13:46:57	0.00	0.00	0.19	777.3	40.4	-1.224	0.016	0.838
SFTC070616_135	TC2PR	1243252	2374963	07-07-2016 13:49:23	0.00	0.00	0.49	777.0	40.4	-1.675	0.01	2.131
SFTC070616_136	TC2PR	1243408	2374941	07-07-2016 13:52:01	0.00	0.00	0.25	776.9	40.5	0	0.016	1.061
SFTC070616_137	TC2PR	1243388	2375029	07-07-2016 13:54:25	0.00	0.00	0.23	778.8	40.5	-1.288	0.018	0.994
SFTC070616_138	TC2PR	1243577	2374942	07-07-2016 13:57:24	0.00	0.01	0.29	778.1	40.6	0	0.035	1.23
SFTC070616_139	TC2PR	1243225	2374747	07-07-2016 14:01:40	0.00	0.00	0.72	779.0	40.7	0	0.009	3.095
SFTC070616_14	TC2PR	1243494	2374091	06-07-2016 10:06:53	0.00	0.00	0.20	779.3	37.8	0	-0.022	0.845
SFTC070616_140	TC2PR	1243252	2374638	07-07-2016 14:04:55	0.00	0.00	1.07	777.1	40.7	0	0.01	4.6
SFTC070616_141	TC2PR	1242563	2374962	07-07-2016 14:13:48	0.00	0.00	0.15	778.0	40.9	0	0.005	0.641
SFTC070616_142	TC2PR	1242470	2374905	07-07-2016 14:16:22	0.00	0.00	0.33	777.4	40.9	0	0.013	1.422
SFTC070616_143	TC2PR	1242382	2375114	07-07-2016 14:19:14	0.00	0.00	0.29	777.4	41.0	-7.856	0.01	1.254
SFTC070616_144	TC2PR	1242558	2375188	07-07-2016 14:22:09	1.22	0.00	2.74	777.7	41.0	5.256	0.006	11.844
SFTC070616_145	TC2PR	1242755	2375243	07-07-2016 14:25:12	0.00	0.00	0.22	777.5	41.2	0	0.02	0.933
SFTC070616_146	TC2PR	1242738	2375302	07-07-2016 14:27:52	0.00	0.01	0.82	778.1	41.3	-0.369	0.023	3.543
SFTC070616_147	TC2PR	1242566	2375350	07-07-2016 14:31:44	0.00	0.00	0.49	777.4	41.5	-1.036	0.009	2.111
SFTC070616_148	TC2PR	1242413	2375327	07-07-2016 14:34:35	0.00	0.00	0.25	777.1	41.6	-2.127	0.009	1.094
SFTC070616_149	TC2PR	1242372	2375543	07-07-2016 14:37:54	0.00	0.00	0.32	776.9	41.7	0	0.018	1.406
SFTC070616_15	TC2PR	1243461	2374142	06-07-2016 10:10:32	0.00	0.00	0.12	779.3	38.4	0	-0.001	0.523
SFTC070616_150	TC2PR	1242534	2375549	07-07-2016 14:40:53	0.00	0.01	0.29	776.1	41.9	0	0.024	1.246
SFTC070616_151	TC2PR	1242724	2375527	07-07-2016 14:43:42	0.00	0.00	0.49	776.1	42.0	-0.609	0.01	2.106
SFTC070616_16	TC2PR	1243437	2374114	06-07-2016 10:13:08	0.00	0.00	0.23	779.9	38.7	-0.6	-0.013	0.965
SFTC070616_17	TC2PR	1243406	2374095	06-07-2016 10:14:55	2.14	0.00	2.81	779.4	38.9	9.172	0.014	12.035
SFTC070616_18	TC2PR	1243352	2374110	06-07-2016 10:18:48	740.62	0.00	2.18	779.3	39.4	3175.823	0.019	9.35
SFTC070616_19	TC2PR	1243338	2374096	06-07-2016 10:21:21	42.16	0.00	2.70	779.3	39.7	180.965	0.013	11.582
SFTC070616_20	TC2PR	1243306	2374090	06-07-2016 10:23:58	0.00	0.00	0.16	779.6	40.1	0	-0.018	0.704
SFTC070616_21	TC2PR	1243301	2374064	06-07-2016 10:26:28	0.00	0.00	0.17	779.4	40.4	0	-0.019	0.739
SFTC070616_22	TC2PR	1243264	2374105	06-07-2016 10:30:42	0.00	0.00	0.82	779.4	40.7	-0.018	-0.027	3.54

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC070616_23	TC2PR	1243234	2374082	06-07-2016 10:36:47	0.00	0.00	1.83	779.8	40.9	-0.644	-0.011	7.875
SFTC070616_24	TC2PR	1243206	2374043	06-07-2016 10:38:48	15.21	0.01	3.73	779.4	40.9	65.512	0.041	16.086
SFTC070616_25	TC2PR	1243184	2374016	06-07-2016 10:40:56	0.00	0.00	0.35	779.4	40.9	0	-0.004	1.52
SFTC070616_26	TC2PR	1243205	2373973	06-07-2016 10:44:08	0.00	0.00	0.12	779.3	41.0	0	-0.012	0.516
SFTC070616_27	TC2PR	1243171	2373987	06-07-2016 10:46:40	0.00	0.00	0.15	779.3	41.2	0	-0.003	0.652
SFTC070616_28	TC2PR	1243173	2374040	06-07-2016 10:49:23	0.00	0.00	0.45	779.4	41.3	0	-0.016	1.926
SFTC070616_29	TC2PR	1243171	2374089	06-07-2016 10:53:11	0.00	0.00	0.17	779.3	41.6	-1.044	-0.049	0.739
SFTC070616_30	TC2PR	1243179	2374139	06-07-2016 10:57:05	0.00	0.00	0.55	778.9	41.7	0	-0.046	2.398
SFTC070616_31	TC2PR	1243207	2374250	06-07-2016 10:59:28	0.00	0.00	0.41	778.4	41.6	0	-0.031	1.781
SFTC070616_32	TC2PR	1243237	2374220	06-07-2016 11:01:36	0.00	0.00	0.56	778.0	41.5	0	-0.018	2.419
SFTC070616_33	TC2PR	1243218	2374149	06-07-2016 11:03:42	0.00	0.00	0.16	778.2	41.4	0	-0.011	0.688
SFTC070616_34	TC2PR	1243239	2374176	06-07-2016 11:06:04	0.00	0.00	0.37	778.6	41.3	0	-0.022	1.601
SFTC070616_35	TC2PR	1243268	2374177	06-07-2016 11:08:21	0.70	0.00	0.91	778.8	41.2	3.029	-0.022	3.915
SFTC070616_36	TC2PR	1243279	2374143	06-07-2016 11:10:33	1.29	0.00	1.06	779.3	41.1	5.541	0.003	4.553
SFTC070616_37	TC2PR	1243273	2374261	06-07-2016 11:12:57	0.00	0.00	0.53	779.4	41.0	0	-0.038	2.305
SFTC070616_38	TC2PR	1243351	2374271	06-07-2016 11:15:10	0.00	0.00	0.19	779.0	40.9	0	-0.038	0.823
SFTC070616_39	TC2PR	1243346	2374237	06-07-2016 11:17:35	7.23	0.00	1.75	780.1	40.8	31.11	-0.029	7.547
SFTC070616_40	TC2PR	1243353	2374250	06-07-2016 11:19:23	0.00	0.00	1.34	779.4	40.7	0	-0.017	5.755
SFTC070616_41	TC2PR	1243403	2374246	06-07-2016 11:22:41	0.00	0.00	0.47	779.4	40.8	-0.119	-0.003	2.028
SFTC070616_42	TC2PR	1243450	2374226	06-07-2016 11:25:21	35.25	0.00	4.98	779.4	40.9	151.859	0.011	21.449
SFTC070616_43	TC2PR	1243283	2374125	06-07-2016 11:45:15	5.38	0.00	3.16	779.4	41.4	23.196	0.003	13.632
SFTC070616_44	TC2PR	1243289	2374148	06-07-2016 11:47:42	0.00	0.00	0.54	779.2	41.2	-0.569	0.001	2.318
SFTC070616_45	TC2PR	1243321	2374141	06-07-2016 11:49:33	0.70	0.01	1.32	779.3	41.1	3.037	0.031	5.68
SFTC070616_46	TC2PR	1243368	2374138	06-07-2016 11:51:53	91.77	0.00	6.00	779.4	41.0	395.462	0.014	25.841
SFTC070616_47	TC2PR	1243370	2374152	06-07-2016 11:53:45	2.24	0.00	0.42	779.3	41.0	9.658	0.014	1.791
SFTC070616_48	TC2PR	1243369	2374168	06-07-2016 11:55:30	0.00	0.00	0.55	779.5	41.1	-0.096	0.018	2.375
SFTC070616_49	TC2PR	1243377	2374187	06-07-2016 11:57:37	206.95	0.00	4.60	779.3	41.2	892.512	0.015	19.825
SFTC070616_50	TC2PR	1243380	2374141	06-07-2016 12:00:13	3129.86	0.00	1.02	779.2	41.4	13508.72	0.021	4.4
SFTC070616_51	TC2PR	1243400	2374148	06-07-2016 12:02:00	1.45	0.00	1.05	779.2	41.6	6.273	0.012	4.537
SFTC070616_52	TC2PR	1243441	2374137	06-07-2016 12:04:14	0.00	0.00	0.02	779.4	41.8	0	-0.012	0.079
SFTC070616_53	TC2PR	1243387	2374111	06-07-2016 12:06:48	6.82	0.00	3.54	779.4	42.0	29.479	0.005	15.293
SFTC070616_54	TC2PR	1243549	2374178	06-07-2016 12:09:35	0.00	0.00	0.10	779.2	42.2	-0.037	0	0.422
SFTC070616_55	TC2PR	1243716	2374092	06-07-2016 12:13:46	0.00	0.00	0.22	779.3	42.4	-0.002	-0.002	0.943
SFTC070616_56	TC2PR	1243543	2374282	06-07-2016 12:18:24	0.00	0.00	0.35	779.2	42.6	0	-0.047	1.505
SFTC070616_57	TC2PR	1243505	2374298	06-07-2016 12:20:31	0.00	0.00	0.19	779.4	42.6	0	-0.033	0.831
SFTC070616_58	TC2PR	1243456	2374348	06-07-2016 12:22:32	0.00	0.00	0.47	779.2	42.7	0	-0.049	2.043

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC070616_59	TC2PR	1243514	2374390	06-07-2016 12:24:35	0.00	0.00	0.07	779.6	42.7	0	-0.004	0.322
SFTC070616_60	TC2PR	1243458	2374464	06-07-2016 12:26:32	0.00	0.00	0.32	779.6	42.7	0	-0.024	1.371
SFTC070616_61	TC2PR	1243534	2374575	06-07-2016 12:28:45	0.00	0.00	0.17	779.6	42.7	0	-0.018	0.75
SFTC070616_62	TC2PR	1243414	2374728	06-07-2016 12:32:01	0.00	0.00	0.24	779.6	42.8	0	-0.041	1.053
SFTC070616_63	TC2PR	1243345	2374615	06-07-2016 12:35:24	0.00	0.00	0.67	779.3	42.8	0	-0.046	2.905
SFTC070616_64	TC2PR	1243281	2374559	06-07-2016 12:38:31	0.00	0.00	0.50	778.8	42.8	0	-0.043	2.166
SFTC070616_65	TC2PR	1243269	2374446	06-07-2016 12:41:09	0.00	0.00	0.76	778.5	42.8	0	-0.035	3.293
SFTC070616_66	TC2PR	1243327	2374449	06-07-2016 12:43:05	0.00	0.00	0.57	778.5	42.8	0	-0.014	2.479
SFTC070616_67	TC2PR	1243335	2374359	06-07-2016 12:45:35	0.00	0.00	0.53	778.8	42.8	0	-0.024	2.286
SFTC070616_68	TC2PR	1243258	2374351	06-07-2016 12:47:34	1.44	0.00	0.52	778.9	42.9	6.245	0.002	2.274
SFTC070616_69	TC2PR	1243394	2374344	06-07-2016 12:49:45	0.00	0.00	1.11	778.4	42.9	0	-0.028	4.797
SFTC070616_70	TC2PR	1243539	2373383	07-07-2016 09:24:57	0.00	0.00	0.69	778.7	29.2	0	0.009	2.846
SFTC070616_71	TC2PR	1243565	2373188	07-07-2016 09:28:12	0.00	0.00	0.19	777.4	30.0	-2.164	0.011	0.799
SFTC070616_72	TC2PR	1243585	2373023	07-07-2016 09:31:39	0.00	0.00	0.97	777.3	30.8	0	0.014	4.058
SFTC070616_73	TC2PR	1243581	2372965	07-07-2016 09:34:45	0.00	0.00	0.17	777.1	31.4	-0.088	0.008	0.706
SFTC070616_74	TC2PR	1243538	2372997	07-07-2016 09:37:36	0.28	0.01	0.48	776.9	31.8	1.157	0.023	1.996
SFTC070616_75	TC2PR	1243531	2373050	07-07-2016 09:40:22	0.00	0.00	0.20	777.3	32.2	-1.322	0.018	0.848
SFTC070616_76	TC2PR	1243515	2372956	07-07-2016 09:46:36	0.00	0.00	0.18	777.7	33.0	0	-0.002	0.766
SFTC070616_77	TC2PR	1243490	2372975	07-07-2016 09:49:04	0.00	0.00	0.04	777.5	33.3	-2.339	0.006	0.185
SFTC070616_78	TC2PR	1243557	2372804	07-07-2016 09:52:49	0.00	0.00	0.15	777.7	33.9	-0.048	0.012	0.646
SFTC070616_79	TC2PR	1243782	2372837	07-07-2016 09:56:38	0.27	0.01	0.23	776.5	34.3	1.149	0.026	0.975
SFTC070616_80	TC2PR	1243778	2372967	07-07-2016 10:00:40	0.00	0.00	0.08	774.7	34.8	0	0.01	0.34
SFTC070616_81	TC2PR	1243769	2373141	07-07-2016 10:04:21	0.00	0.00	0.12	774.8	35.1	0	0.011	0.529
SFTC070616_82	TC2PR	1243763	2373294	07-07-2016 10:07:15	0.00	0.00	0.30	775.1	35.3	0	0.02	1.267
SFTC070616_83	TC2PR	1243789	2373337	07-07-2016 10:09:56	0.00	0.00	0.49	775.1	35.4	0	0.007	2.098
SFTC070616_84	TC2PR	1243704	2373374	07-07-2016 10:13:13	0.00	0.00	0.44	775.3	35.6	0	0.012	1.88
SFTC070616_85	TC2PR	1243853	2373355	07-07-2016 10:16:38	0.00	0.00	0.07	776.1	35.7	-0.258	0.006	0.285
SFTC070616_86	TC2PR	1243880	2373394	07-07-2016 10:19:11	0.00	0.00	0.15	775.0	35.8	-1.492	0.021	0.619
SFTC070616_87	TC2PR	1243980	2373393	07-07-2016 10:22:35	0.00	0.01	0.06	774.7	36.1	-0.055	0.023	0.241
SFTC070616_88	TC2PR	1243976	2373371	07-07-2016 10:25:36	0.00	0.01	0.24	773.9	36.5	-1.407	0.024	1.032
SFTC070616_89	TC2PR	1243918	2373304	07-07-2016 10:29:42	3.16	0.01	1.80	773.9	37.0	13.548	0.041	7.717
SFTC070616_90	TC2PR	1243938	2373147	07-07-2016 10:33:24	0.34	0.01	0.35	773.6	37.7	1.468	0.035	1.52
SFTC070616_91	TC2PR	1243996	2372958	07-07-2016 10:37:42	0.65	0.00	0.91	773.2	38.6	2.789	0.015	3.924
SFTC070616_92	TC2PR	1243939	2372764	07-07-2016 10:43:06	0.00	0.00	0.20	772.3	39.5	-0.851	-0.001	0.879
SFTC070616_93	TC2PR	1243997	2372727	07-07-2016 10:47:12	0.00	0.00	0.33	774.5	40.0	-2.421	0.013	1.408
SFTC070616_94	TC2PR	1243957	2372485	07-07-2016 10:52:23	0.00	0.00	0.09	774.7	40.2	-1.188	0.01	0.404

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC070616_95	TC2PR	1243962	2372365	07-07-2016 10:56:17	0.00	0.00	0.11	774.7	40.2	0	0.008	0.458
SFTC070616_96	TC2PR	1244000	2372174	07-07-2016 10:59:26	0.00	0.00	0.06	773.5	40.1	-1.498	0.006	0.253
SFTC070616_97	TC2PR	1244190	2372132	07-07-2016 11:02:53	0.00	0.01	0.42	773.4	40.1	0	0.022	1.817
SFTC070616_98	TC2PR	1244333	2372182	07-07-2016 11:06:03	0.00	0.00	0.76	771.5	40.1	0	0.019	3.307
SFTC070616_99	TC2PR	1244159	2372350	07-07-2016 11:09:31	0.00	0.00	0.31	772.3	40.2	0	0.014	1.363
SFTC070816_152	TC2PR	1242446	2375741	08-07-2016 11:18:51	0.00	0.00	0.53	778.4	34.6	0	0.015	2.229
SFTC070816_153	TC2PR	1242430	2375933	08-07-2016 11:26:00	0.00	0.00	0.71	778.4	35.3	-0.122	0.009	2.996
SFTC070816_154	TC2PR	1242553	2375944	08-07-2016 11:28:20	0.00	0.01	0.25	776.9	35.4	-1.467	0.025	1.061
SFTC070816_155	TC2PR	1242580	2375768	08-07-2016 11:31:22	0.00	0.00	1.09	777.1	35.7	0	0.021	4.652
SFTC070816_156	TC2PR	1242557	2376180	08-07-2016 11:36:35	0.00	0.00	0.64	777.8	36.2	0	0.01	2.707
SFTC070816_157	TC2PR	1242566	2376357	08-07-2016 11:41:07	0.00	0.00	0.34	776.5	36.7	-0.19	0.011	1.436
SFTC070816_158	TC2PR	1242742	2376317	08-07-2016 11:44:27	0.00	0.00	0.16	775.4	36.9	-0.376	0.011	0.697
SFTC070816_159	TC2PR	1242763	2376216	08-07-2016 11:47:13	0.00	0.00	0.36	774.2	37.2	-0.658	0.018	1.53
SFTC070816_160	TC2PR	1242969	2376310	08-07-2016 11:51:17	0.00	0.00	0.26	774.3	37.6	-0.336	0.016	1.137
SFTC070816_161	TC2PR	1243162	2376290	08-07-2016 11:54:53	0.00	0.00	0.35	775.0	37.9	-0.001	0.008	1.501
SFTC070816_162	TC2PR	1243344	2376140	08-07-2016 11:58:53	0.26	0.01	0.47	774.7	38.4	1.137	0.044	2.003
SFTC070816_163	TC2PR	1243333	2375984	08-07-2016 12:06:11	0.00	0.00	0.24	773.2	39.7	-0.539	0.017	1.036
SFTC070816_164	TC2PR	1243149	2376152	08-07-2016 12:10:50	0.00	0.00	0.34	772.6	40.4	0	0.017	1.49
SFTC070816_165	TC2PR	1243120	2375978	08-07-2016 12:15:09	0.00	0.00	0.20	773.4	40.9	0	0.011	0.884
SFTC070816_166	TC2PR	1242991	2376159	08-07-2016 12:19:01	0.00	0.00	0.28	774.9	41.3	0	0.019	1.223
SFTC070816_167	TC2PR	1242970	2375998	08-07-2016 12:22:22	0.00	0.00	0.40	774.7	41.4	0	0.021	1.747
SFTC070816_168	TC2PR	1242958	2375764	08-07-2016 12:26:06	0.00	0.00	0.29	775.7	41.5	-0.703	0.013	1.261
SFTC070816_169	TC2PR	1242776	2375924	08-07-2016 12:30:51	0.00	0.00	0.11	777.0	41.5	0	0.01	0.485
SFTC070816_170	TC2PR	1242748	2375793	08-07-2016 12:35:17	0.00	0.00	0.21	776.5	41.4	0	0.012	0.896
SFTC070816_171	TC2PR	1242565	2376559	08-07-2016 12:44:24	0.00	0.01	0.32	777.5	41.5	-0.325	0.034	1.386
SFTC070816_172	TC2PR	1242785	2376523	08-07-2016 12:48:42	0.00	0.00	0.24	776.5	41.4	-2.211	0.018	1.028
SFTC070816_173	TC2PR	1242961	2376560	08-07-2016 12:53:11	0.00	0.00	0.36	776.5	41.4	-0.955	0.016	1.545
SFTC070816_174	TC2PR	1242987	2376749	08-07-2016 12:57:37	0.00	0.00	0.23	778.4	41.5	-0.327	0.015	0.981
SFTC070816_175	TC2PR	1242743	2376795	08-07-2016 13:01:49	0.00	0.00	0.11	777.4	41.6	-0.336	0.007	0.492
SFTC070816_176	TC2PR	1242568	2376750	08-07-2016 13:05:15	0.00	0.00	0.30	777.4	41.6	-1.055	0.018	1.307
SFTC070816_177	TC2PR	1242366	2376831	08-07-2016 13:09:30	0.00	0.01	0.16	777.4	41.7	-0.19	0.042	0.675
SFTC070816_178	TC2PR	1242200	2376807	08-07-2016 13:13:14	0.00	0.00	0.12	776.6	41.8	-1.189	0.012	0.512
SFTC070816_179	TC2PR	1242201	2377013	08-07-2016 13:17:57	0.00	0.00	0.14	775.7	41.8	-1.018	-0.001	0.618
SFTC070816_180	TC2PR	1242165	2377161	08-07-2016 13:21:09	0.00	0.00	0.11	776.3	41.9	-0.592	0.015	0.463
SFTC070816_181	TC2PR	1242163	2377336	08-07-2016 13:24:15	0.00	0.00	0.20	775.9	42.1	-3.96	0.013	0.862
SFTC070816_182	TC2PR	1242339	2377357	08-07-2016 13:27:09	0.00	0.00	0.41	775.5	42.3	0	0.01	1.774

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTC070816_183	TC2PR	1242330	2377169	08-07-2016 13:30:08	0.23	0.01	0.50	775.8	42.5	1.002	0.023	2.172
SFTC070816_184	TC2PR	1242440	2377168	08-07-2016 13:32:39	0.00	0.00	0.96	775.9	42.7	0	0.013	4.188
SFTC070816_185	TC2PR	1242548	2377124	08-07-2016 13:35:37	2.42	0.01	1.07	775.9	43.0	10.551	0.03	4.683
SFTC070816_186	TC2PR	1242512	2376958	08-07-2016 13:39:02	0.00	0.01	1.30	775.8	43.3	-1.06	0.023	5.661
SFTC070816_187	TC2PR	1242504	2376844	08-07-2016 13:42:25	1.39	0.00	5.26	776.8	43.6	6.059	0.017	22.951
SFTC070816_188	TC2PR	1242400	2376966	08-07-2016 13:46:40	0.47	0.00	2.12	777.0	43.9	2.035	0.016	9.244
SFTC070816_189	TC2PR	1242713	2376948	08-07-2016 13:51:16	0.05	0.00	0.17	776.6	44.3	0.239	0.015	0.732
SFTC070816_190	TC2PR	1242718	2377158	08-07-2016 14:08:20	0.00	0.00	0.33	775.9	44.5	-0.762	0.017	1.436
SFTC070816_191	TC2PR	1242819	2377211	08-07-2016 14:12:14	0.00	0.01	0.72	774.7	44.1	0	0.032	3.149
SFTC070816_192	TC2PR	1242923	2377263	08-07-2016 14:15:09	0.00	0.00	0.25	773.0	44.1	0	0.01	1.115
SFTC070816_193	TC2PR	1243013	2377237	08-07-2016 14:17:52	0.88	0.00	1.26	772.2	44.1	3.845	0.008	5.53
SFTC070816_194	TC2PR	1243064	2377236	08-07-2016 14:20:43	0.00	0.00	0.15	772.8	44.2	0	0.012	0.657
SFTC070816_195	TC2PR	1243078	2377177	08-07-2016 14:23:22	0.00	0.00	0.26	772.3	44.4	0	0.01	1.155
SFTC070816_196	TC2PR	1243003	2377199	08-07-2016 14:26:33	0.00	0.00	0.47	772.4	44.5	0	0.021	2.088
SFTC070816_197	TC2PR	1243029	2377081	08-07-2016 14:30:00	0.00	0.00	0.14	773.1	44.7	-0.239	0.012	0.618
SFTC070816_198	TC2PR	1242912	2377168	08-07-2016 14:33:44	3.76	0.00	3.51	773.4	44.9	16.523	0.011	15.427
SFTC070816_199	TC2PR	1242857	2377079	08-07-2016 14:36:49	0.00	0.00	0.54	773.8	44.9	-61.412	0.009	2.384
SFTC070816_200	TC2PR	1242825	2377033	08-07-2016 14:39:23	0.00	0.00	0.72	774.7	44.9	-6.58	0.005	3.148
SFTC070816_201	TC2PR	1242949	2376922	08-07-2016 14:42:27	0.00	0.00	0.13	775.1	45.0	-1.83	0.009	0.571
SFTC070816_202	TC2PR	1242824	2376894	08-07-2016 14:45:31	0.00	0.00	0.74	776.1	45.1	0	0.009	3.23
SFTC070816_203	TC2PR	1243566	2376144	08-07-2016 14:58:24	0.00	0.00	0.19	775.9	45.3	0	0.012	0.814
SFTC070816_204	TC2PR	1243612	2376030	08-07-2016 15:01:58	0.00	0.00	0.55	774.2	45.0	0	0.01	2.42
VosburgPike071916_01	VP	1243794	2353159	19-07-2016 11:43:30	0.00	0.00	0.30	767.0	33.9	0	-0.02	1.28
VosburgPike071916_02	VP	1243733	2353318	19-07-2016 11:48:09	0.00	0.00	0.22	767.0	34.5	0	-0.009	0.952
VosburgPike071916_03	VP	1243577	2353399	19-07-2016 11:52:10	0.00	0.00	0.18	765.8	34.9	-0.015	-0.014	0.764
VosburgPike071916_04	VP	1243350	2353405	19-07-2016 11:56:33	0.00	0.01	0.07	766.6	35.4	0	0.027	0.286
VosburgPike071916_05	VP	1243406	2353199	19-07-2016 12:01:18	0.00	0.00	0.20	768.5	36.0	0	0	0.85
VosburgPike071916_06	VP	1243558	2353163	19-07-2016 12:06:55	0.00	0.00	0.14	769.9	36.9	0	-0.01	0.619
VosburgPike071916_07	VP	1243551	2353023	19-07-2016 12:12:24	0.00	0.00	0.12	768.9	37.8	0	-0.006	0.538
VosburgPike071916_08	VP	1243557	2352964	19-07-2016 12:15:27	0.00	0.05	0.38	767.0	38.2	0	0.212	1.642
VosburgPike071916_09	VP	1243500	2352948	19-07-2016 12:18:48	0.00	0.00	0.58	766.2	38.6	0	-0.012	2.509
VosburgPike071916_10	VP	1243493	2352986	19-07-2016 12:21:41	0.00	0.00	0.72	766.5	38.9	0	-0.007	3.125
VosburgPike071916_11	VP	1243341	2352962	19-07-2016 12:25:54	0.00	0.01	0.32	766.8	39.4	0	0.043	1.375
VosburgPike071916_12	VP	1243343	2352891	19-07-2016 12:29:14	0.00	0.05	0.16	767.6	39.8	-0.168	0.205	0.696
VosburgPike071916_13	VP	1243379	2352755	19-07-2016 12:35:07	0.00	0.00	0.48	767.6	40.4	0	0	2.093
VosburgPike071916_14	VP	1243225	2352758	19-07-2016 12:39:08	0.00	0.01	0.29	768.5	40.7	0	0.06	1.266

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071916_15	VP	1243171	2352839	19-07-2016 12:43:14	0.00	0.00	0.29	769.6	41.1	0	-0.042	1.25
VosburgPike071916_16	VP	1243159	2352960	19-07-2016 12:48:02	0.00	0.01	0.34	769.6	41.6	0	0.031	1.481
VosburgPike071916_17	VP	1243075	2352527	19-07-2016 12:57:53	0.00	0.00	0.06	769.6	42.1	0	-0.006	0.28
VosburgPike071916_18	VP	1243364	2352497	19-07-2016 13:22:01	0.00	0.00	0.18	768.7	42.5	0	0	0.787
VosburgPike071916_19	VP	1243548	2352499	19-07-2016 13:26:39	0.00	0.00	0.24	766.1	42.3	0	0	1.064
VosburgPike071916_20	VP	1243735	2352714	19-07-2016 13:32:20	0.00	0.05	0.45	765.1	42.4	0	0.218	1.978
VosburgPike071916_21	VP	1243584	2352794	19-07-2016 13:35:29	0.00	0.01	0.43	764.5	42.5	-1.279	0.064	1.895
VosburgPike071916_22	VP	1243745	2352977	19-07-2016 13:40:09	0.00	0.01	0.45	765.0	42.8	-0.172	0.05	1.992
VosburgPike071916_23	VP	1244134	2352550	19-07-2016 13:48:15	0.00	0.01	0.08	765.0	43.2	0	0.023	0.343
VosburgPike071916_24	VP	1244131	2352351	19-07-2016 13:52:14	0.00	0.02	0.21	761.1	43.3	0	0.085	0.938
VosburgPike071916_25	VP	1244353	2352359	19-07-2016 13:56:42	0.00	0.01	0.21	760.6	43.5	0	0.049	0.947
VosburgPike071916_26	VP	1244374	2352514	19-07-2016 14:00:13	0.00	0.03	0.22	759.0	43.6	0	0.117	0.987
VosburgPike071916_27	VP	1244590	2352364	19-07-2016 14:04:57	0.00	0.00	0.12	759.5	43.8	0	-0.111	0.553
VosburgPike071916_28	VP	1244579	2352593	19-07-2016 14:09:52	0.00	0.00	0.17	757.2	43.9	0	-0.008	0.765
VosburgPike071916_29	VP	1244567	2352791	19-07-2016 14:13:49	0.00	0.00	0.28	758.8	43.9	0	-0.032	1.232
VosburgPike071916_30	VP	1244299	2352735	19-07-2016 14:19:27	0.00	0.00	0.11	759.5	44.0	0	0	0.511
VosburgPike071916_31	VP	1244213	2352794	19-07-2016 14:24:01	0.00	0.00	0.42	760.7	44.1	0	-0.084	1.862
VosburgPike072016_32	VP	1242584	2349980	20-07-2016 08:46:21	0.00	0.00	0.31	771.1	27.8	0	-0.03	1.298
VosburgPike072016_33	VP	1242536	2350147	20-07-2016 08:51:28	0.00	0.00	0.33	771.1	28.5	0	-0.007	1.376
VosburgPike072016_34	VP	1242723	2350131	20-07-2016 08:59:31	0.00	0.00	0.05	771.5	29.7	0	-0.018	0.197
VosburgPike072016_35	VP	1242743	2349981	20-07-2016 09:04:43	0.00	0.00	0.61	770.4	30.3	0	-0.009	2.549
VosburgPike072016_36	VP	1242812	2349991	20-07-2016 09:09:05	183.32	0.00	8.66	770.1	30.6	773.071	-0.001	36.537
VosburgPike072016_37	VP	1242889	2350031	20-07-2016 09:12:24	0.00	0.00	3.44	769.6	31.0	0	-0.005	14.551
VosburgPike072016_38	VP	1242917	2350185	20-07-2016 09:16:46	0.00	0.00	0.23	769.4	31.5	0	0.001	0.953
VosburgPike072016_39	VP	1242994	2349965	20-07-2016 09:21:57	0.00	0.00	1.78	769.0	31.9	0	0.006	7.554
VosburgPike072016_40	VP	1242956	2349827	20-07-2016 09:26:00	0.00	0.00	0.37	768.5	32.3	0	0.015	1.573
VosburgPike072016_41	VP	1243046	2349761	20-07-2016 09:30:00	1.73	0.00	1.49	768.4	32.7	7.376	-0.003	6.341
VosburgPike072016_42	VP	1243134	2349833	20-07-2016 09:33:42	9.71	0.00	1.03	767.3	33.1	41.44	0.02	4.383
VosburgPike072016_43	VP	1243207	2349805	20-07-2016 09:37:01	1.37	0.00	1.21	767.0	33.5	5.871	0.019	5.173
VosburgPike072016_44	VP	1243334	2349796	20-07-2016 09:42:02	30.16	0.00	7.04	767.0	34.3	129.253	0.004	30.158
VosburgPike072016_45	VP	1243343	2349970	20-07-2016 09:47:01	67.30	0.00	5.72	765.7	35.0	289.57	0.02	24.62
VosburgPike072016_46	VP	1243207	2349971	20-07-2016 09:51:26	0.00	0.00	0.40	764.6	35.5	0	0	1.741
VosburgPike072016_47	VP	1243217	2350183	20-07-2016 09:56:23	0.00	0.00	0.47	765.9	35.9	0	0.02	2.014
VosburgPike072016_48	VP	1243304	2350134	20-07-2016 10:00:17	0.00	0.00	0.35	765.4	36.2	0	0.015	1.494
VosburgPike072016_49	VP	1243555	2350170	20-07-2016 10:06:32	0.00	0.00	0.26	764.7	36.9	0	0.018	1.111
VosburgPike072016_50	VP	1243562	2350060	20-07-2016 10:10:06	61.83	0.00	4.20	762.4	37.3	269.18	0.013	18.268

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike072016_51	VP	1243564	2349982	20-07-2016 10:13:05	0.00	0.01	0.42	762.3	37.7	0	0.022	1.812
VosburgPike072016_52	VP	1243555	2349861	20-07-2016 10:16:06	3.55	0.00	1.33	762.6	38.1	15.484	0.009	5.817
VosburgPike072016_53	VP	1243562	2349781	20-07-2016 10:19:08	0.00	0.01	0.21	763.4	38.4	0	0.026	0.932
VosburgPike072016_54	VP	1243759	2349768	20-07-2016 10:26:15	0.00	0.00	0.12	763.1	39.2	0	0.004	0.545
VosburgPike072016_55	VP	1243775	2349942	20-07-2016 10:29:34	0.00	0.00	0.10	760.8	39.5	0	0.011	0.458
VosburgPike072016_56	VP	1243775	2350155	20-07-2016 10:33:50	0.00	0.01	0.09	760.4	40.0	0	0.024	0.387
VosburgPike072016_57	VP	1243945	2350153	20-07-2016 10:37:53	0.00	0.00	0.29	759.5	40.3	0	0.02	1.294
VosburgPike072016_58	VP	1243968	2350019	20-07-2016 10:41:59	0.00	0.00	0.79	758.5	40.5	0	0.01	3.486
VosburgPike072016_59	VP	1244127	2349995	20-07-2016 10:46:28	0.00	0.00	0.39	758.7	40.6	0	-0.009	1.73
VosburgPike072016_60	VP	1244214	2350226	20-07-2016 10:54:55	0.00	0.00	0.21	757.7	40.8	0	0.02	0.912
VosburgPike072016_61	VP	1244308	2349959	20-07-2016 10:57:15	0.00	0.00	0.20	757.7	41.1	0	-0.009	0.896
VosburgPike072016_62	VP	1244336	2349759	20-07-2016 11:02:30	0.00	0.00	0.71	756.5	41.4	-13.1	0.021	3.159
VosburgPike072016_63	VP	1244222	2349778	20-07-2016 11:07:43	0.00	0.00	0.44	756.5	41.7	0	-0.002	1.941
VosburgPike072016_64	VP	1244159	2349742	20-07-2016 11:11:54	2.85	0.00	2.71	757.9	41.8	12.666	-0.006	12.062
VosburgPike072016_65	VP	1244103	2349671	20-07-2016 11:15:39	0.00	0.00	1.48	758.4	41.8	0	-0.004	6.57
VosburgPike072016_66	VP	1244142	2349589	20-07-2016 11:19:11	0.00	0.00	0.50	759.1	41.7	0	0.009	2.239
VosburgPike072016_67	VP	1244316	2349590	20-07-2016 11:24:47	0.00	0.00	0.31	759.2	41.6	0	0.022	1.383
VosburgPike072016_68	VP	1244139	2349372	20-07-2016 11:29:49	0.00	0.00	0.62	758.0	41.5	0	0.013	2.73
VosburgPike072016_69	VP	1244119	2349154	20-07-2016 11:36:25	0.00	0.00	0.27	758.8	41.5	0	-0.002	1.214
VosburgPike072016_70	VP	1243961	2349215	20-07-2016 11:41:02	0.00	0.01	0.44	758.8	41.8	0	0.023	1.973
VosburgPike072016_71	VP	1243943	2349407	20-07-2016 11:46:07	8.46	0.01	1.00	759.5	42.2	37.555	0.042	4.429
VosburgPike072016_72	VP	1243973	2349576	20-07-2016 11:50:57	0.00	0.01	0.48	759.8	42.6	0	0.042	2.144
VosburgPike072016_73	VP	1243928	2349804	20-07-2016 11:56:51	0.00	0.00	0.23	760.3	43.1	0	-0.01	1.026
VosburgPike072016_74	VP	1243770	2349530	20-07-2016 12:01:25	0.00	0.01	0.43	759.8	43.3	0	0.049	1.915
VosburgPike072016_75	VP	1243778	2349356	20-07-2016 12:05:50	0.66	0.01	0.23	761.3	43.6	2.938	0.038	1.031
VosburgPike072016_76	VP	1243783	2349193	20-07-2016 12:14:52	0.00	0.01	0.35	760.4	44.4	0	0.038	1.576
VosburgPike072016_77	VP	1243569	2349425	20-07-2016 12:22:45	0.00	0.00	0.50	760.0	44.9	0	0.02	2.218
VosburgPike072016_78	VP	1243576	2349588	20-07-2016 12:41:26	0.00	0.00	0.12	761.6	45.4	-0.933	0.017	0.544
VosburgPike072016_79	VP	1243351	2349576	20-07-2016 12:46:24	0.00	0.01	0.40	761.8	45.2	0	0.066	1.787
VosburgPike072016_80	VP	1243245	2349627	20-07-2016 12:50:18	0.00	0.01	0.45	763.1	45.1	0	0.055	2.006
VosburgPike072016_81	VP	1242964	2349602	20-07-2016 12:56:30	0.00	0.01	0.20	764.6	45.2	0	0.057	0.887
VosburgPike072016_82	VP	1242754	2349756	20-07-2016 13:00:36	0.00	0.01	0.26	766.2	45.1	0	0.062	1.141
VosburgPike072016_83	VP	1242565	2349827	20-07-2016 13:04:25	0.00	0.01	0.33	768.3	45.2	0	0.062	1.461
VosburgPike072116_01	VPSec17	1240900	2341044	21-07-2016 09:53:54	0.00	0.00	0.35	769.9	35.9	0	0.004	1.515
VosburgPike072116_02	VPSec17	1240898	2340992	21-07-2016 09:56:48	0.00	0.00	0.20	769.7	37.0	0	-0.003	0.86
VosburgPike072116_03	VPSec17	1240904	2340954	21-07-2016 09:59:11	0.00	0.00	0.06	769.4	37.7	0	-0.011	0.246

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike072116_04	VPSec17	1240857	2340959	21-07-2016 10:02:12	0.00	0.00	0.46	769.4	38.5	0	-0.021	2.01
VosburgPike072116_05	VPSec17	1240848	2341001	21-07-2016 10:04:46	2.19	0.02	1.99	769.6	39.1	9.506	0.072	8.636
VosburgPike072116_06	VPSec17	1240850	2341021	21-07-2016 10:07:27	5.22	0.02	5.33	769.9	39.6	22.678	0.089	23.167
VosburgPike072116_07	VPSec17	1240855	2341051	21-07-2016 10:11:59	33.83	0.01	8.92	770.3	40.3	147.175	0.056	38.806
VosburgPike072116_08	VPSec17	1240800	2340992	21-07-2016 10:14:33	0.00	0.00	0.42	770.4	40.7	0	-0.006	1.82
VosburgPike072116_09	VPSec17	1240798	2340960	21-07-2016 10:17:17	0.00	0.01	0.07	771.1	41.0	0	0.035	0.323
VosburgPike072116_10	VPSec17	1240809	2341047	21-07-2016 10:19:35	0.00	0.00	0.36	770.4	41.4	0	-0.012	1.551
VosburgPike072116_11	VPSec17	1240806	2341096	21-07-2016 10:22:10	0.00	0.00	0.17	771.2	41.8	0	-0.015	0.725
VosburgPike072116_12	VPSec17	1240872	2341099	21-07-2016 10:25:10	0.00	0.00	0.77	771.5	42.2	0	-0.013	3.366
VosburgPike072116_13	VPSec17	1240900	2341092	21-07-2016 10:27:09	0.00	0.02	0.46	771.0	42.4	0	0.102	1.996
VosburgPike072516_01	VPSec12	1245935	2359352	25-07-2016 10:12:59	0.00	0.01	0.16	758.5	30.0	0	0.044	0.694
VosburgPike072516_02	VPSec12	1245724	2359564	25-07-2016 10:17:49	0.00	0.00	0.16	758.3	31.7	0	0.013	0.685
VosburgPike072516_03	VPSec12	1245907	2359575	25-07-2016 10:21:35	0.00	0.00	0.28	759.5	32.9	0	0.015	1.213
VosburgPike072516_04	VPSec12	1246133	2359565	25-07-2016 10:26:46	0.00	0.00	0.45	758.5	34.2	0	0.011	1.929
VosburgPike072516_05	VPSec12	1246317	2359557	25-07-2016 10:30:46	0.00	0.00	0.30	757.2	34.9	0	0.007	1.293
VosburgPike072516_06	VPSec12	1246328	2359410	25-07-2016 10:34:23	0.00	0.00	0.38	756.9	35.3	0	0.006	1.651
VosburgPike072516_07	VPSec12	1246123	2359388	25-07-2016 10:37:28	0.00	0.00	0.10	757.0	35.7	-9.822	0.019	0.417
VosburgPike072516_08	VPSec12	1245944	2359267	25-07-2016 10:40:37	27.33	0.00	2.44	758.0	36.2	119.247	0.018	10.664
VosburgPike072516_09	VPSec12	1245892	2359301	25-07-2016 10:43:14	47.24	0.00	1.52	758.5	36.7	206.346	0.017	6.627
VosburgPike072516_10	VPSec12	1245864	2359328	25-07-2016 10:47:19	313.84	0.00	2.58	758.5	37.3	1373.367	0.016	11.311
VosburgPike072516_11	VPSec12	1245847	2359341	25-07-2016 10:49:55	38.01	0.01	1.77	758.8	38.0	166.66	0.039	7.757
VosburgPike072516_12	VPSec12	1245820	2359375	25-07-2016 10:52:25	0.00	0.01	0.43	759.1	38.5	-39.181	0.028	1.89
VosburgPike072516_13	VPSec12	1245723	2359365	25-07-2016 10:55:29	0.00	0.01	0.63	759.3	39.0	-13.886	0.025	2.759
VosburgPike072516_14	VPSec12	1245730	2359146	25-07-2016 10:59:49	0.00	0.01	0.22	759.3	39.7	0	0.024	0.965
VosburgPike072516_15	VPSec12	1245719	2359002	25-07-2016 11:03:45	0.00	0.00	0.29	758.1	40.3	0	0.022	1.264
VosburgPike072516_16	VPSec12	1245706	2358783	25-07-2016 11:08:54	0.00	0.00	0.39	757.2	41.1	0	0.012	1.738
VosburgPike072516_17	VPSec12	1245915	2358756	25-07-2016 11:12:32	0.00	0.01	0.12	756.1	41.6	-0.712	0.034	0.512
VosburgPike072516_18	VPSec12	1246111	2358739	25-07-2016 11:15:46	0.00	0.01	0.33	756.3	42.1	-26.229	0.037	1.481
VosburgPike072516_19	VPSec12	1246105	2358950	25-07-2016 11:19:26	0.00	0.00	0.14	755.3	42.7	-4.241	0.014	0.607
VosburgPike072516_20	VPSec12	1246111	2359150	25-07-2016 11:23:01	0.00	0.01	0.33	755.9	43.2	-20.541	0.023	1.491
VosburgPike072516_21	VPSec12	1245921	2359163	25-07-2016 11:26:28	27.36	0.00	0.73	757.5	43.5	122.261	0.016	3.275
VosburgPike072516_22	VPSec12	1245945	2359026	25-07-2016 11:29:06	0.00	0.00	0.35	757.1	43.8	-14.459	0.016	1.563
VosburgPike072516_23	VPSec12	1245908	2358971	25-07-2016 11:31:49	10.52	0.00	1.05	757.2	44.1	47.106	0.016	4.709
VosburgPike072516_24	VPSec12	1246119	2360181	25-07-2016 11:59:47	0.00	0.01	0.56	756.9	45.8	0	0.026	2.533
VosburgPike072516_25	VPSec12	1245906	2360174	25-07-2016 12:05:48	0.00	0.00	0.05	757.2	45.8	0	0.013	0.214
VosburgPike072516_26	VPSec12	1245724	2359995	25-07-2016 12:11:50	0.00	0.01	0.19	758.0	45.7	-13.483	0.04	0.837

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike072516_27	VPSec12	1245720	2360177	25-07-2016 12:17:36	0.00	0.01	0.09	759.8	45.7	0	0.034	0.382
VosburgPike072516_28	VPSec12	1245921	2360307	25-07-2016 12:21:31	0.00	0.00	0.23	758.8	45.8	-96.056	0.014	1.047
VosburgPike072516_29	VPSec12	1245938	2360343	25-07-2016 12:24:17	0.00	0.00	0.36	758.7	45.8	0	0.019	1.596
VosburgPike072516_30	VPSec12	1246132	2360362	25-07-2016 12:28:06	0.00	0.00	0.08	759.1	45.8	0	0.013	0.372
VosburgPike072516_31	VPSec12	1246115	2360532	25-07-2016 12:32:42	0.00	0.00		759.9	45.9	-0.006	0.017	
VosburgPike072516_32	VPSec12	1246165	2360754	25-07-2016 12:36:48	0.00	0.00	0.09	761.3	45.8	0	0.011	0.415
VosburgPike072516_33	VPSec12	1245933	2360759	25-07-2016 12:43:53	0.00	0.00	0.10	760.8	45.8	0	0.013	0.429
VosburgPike072516_34	VPSec12	1245910	2360568	25-07-2016 12:48:29	0.00	0.00	0.11	763.5	45.7	0	0.011	0.503
VosburgPike072516_35	VPSec12	1245742	2360534	25-07-2016 12:52:28	0.00	0.00	0.19	761.5	45.7	0	0.019	0.85
VosburgPike072516_36	VPSec12	1245721	2360404	25-07-2016 12:55:52	0.00	0.01	0.11	760.6	45.6	0	0.028	0.496
VosburgPike072516_37	VPSec12	1245782	2360735	25-07-2016 13:00:28	0.00	0.00	0.29	759.6	45.5	-18.331	0.018	1.306
VosburgPike072516_38	VPSec12	1245554	2360759	25-07-2016 13:06:33	0.00	0.00	0.00	763.7	45.4	0	0.008	0.016
VosburgPike072516_39	VPSec12	1245323	2360389	25-07-2016 13:15:30	0.00	0.00	0.28	763.3	45.1	0	0.021	1.262
VosburgPike072516_40	VPSec12	1245533	2360354	25-07-2016 13:19:48	0.00	0.00	0.36	762.3	45.0	0	0.019	1.599
VosburgPike072516_41	VPSec12	1245497	2360176	25-07-2016 13:25:26	0.00	0.01	0.35	760.8	45.3	0	0.067	1.55
VosburgPike072516_42	VPSec12	1245315	2360172	25-07-2016 13:31:26	0.00	0.00	1.41	760.6	45.7	0	0.013	6.312
VosburgPike072516_43	VPSec12	1245354	2359966	25-07-2016 13:38:46	0.00	0.01	0.32	763.1	46.3	-13.505	0.027	1.454
VosburgPike072516_44	VPSec12	1245532	2359937	25-07-2016 13:44:49	0.00	0.00	0.29	761.4	46.6	-3.03	0.015	1.292
VosburgPike072616_100	VPSec12	1245710	2362156	26-07-2016 13:53:17	0.00	0.01	0.85	763.4	45.4	0	0.031	3.812
VosburgPike072616_101	VPSec12	1245699	2362078	26-07-2016 13:57:28	24.10	0.00	2.68	763.5	45.5	107.55	0.016	11.95
VosburgPike072616_102	VPSec12	1245625	2362086	26-07-2016 14:00:04	52.76	0.02	6.50	762.5	45.6	235.827	0.076	29.048
VosburgPike072616_103	VPSec12	1245600	2362094	26-07-2016 14:02:15	16.60	0.01	5.75	762.7	45.7	74.188	0.043	25.713
VosburgPike072616_104	VPSec12	1245612	2362130	26-07-2016 14:05:26	0.00	0.00	1.58	762.6	45.9	-1.638	0.011	7.046
VosburgPike072616_105	VPSec12	1245657	2362150	26-07-2016 14:08:15	8055.88	0.01	16.04	763.4	46.0	36008.46	0.027	71.701
VosburgPike072616_106	VPSec12	1245674	2362128	26-07-2016 14:11:36	386.09	0.00	5.55	763.3	46.1	1726.536	0.011	24.834
VosburgPike072616_107	VPSec12	1245624	2362172	26-07-2016 14:15:20	0.00	0.01	0.07	763.0	46.2	-98.872	0.028	0.313
VosburgPike072616_108	VPSec12	1245599	2362228	26-07-2016 14:17:26	0.00	0.00	0.09	763.0	46.1	-1.923	0.01	0.41
VosburgPike072616_109	VPSec12	1245554	2362204	26-07-2016 14:19:43	0.00	0.00	0.10	764.4	46.1	-2.495	0.002	0.436
VosburgPike072616_110	VPSec12	1245522	2362242	26-07-2016 14:22:30	0.00	0.00	0.19	764.4	46.0	-0.057	0.007	0.839
VosburgPike072616_111	VPSec12	1245384	2362233	26-07-2016 14:25:09	0.00	0.01	0.46	764.8	45.9	-2.85	0.027	2.064
VosburgPike072616_112	VPSec12	1245403	2362207	26-07-2016 14:27:33	84.66	0.01	2.72	765.4	45.8	377.172	0.027	12.106
VosburgPike072616_113	VPSec12	1245421	2362173	26-07-2016 14:30:07	365.71	0.00	3.37	764.5	45.6	1630.286	0.017	15.035
VosburgPike072616_114	VPSec12	1245464	2362051	26-07-2016 14:34:41	0.00	0.00	0.35	764.2	45.6	-5336.93	0.02	1.577
VosburgPike072616_115	VPSec12	1245379	2362026	26-07-2016 14:37:12	0.00	0.00	0.18	761.8	45.5	-0.91	0.006	0.818
VosburgPike072616_116	VPSec12	1245268	2362053	26-07-2016 14:39:18	0.00	0.00	0.23	762.7	45.4	-2.553	0.007	1.023
VosburgPike072616_117	VPSec12	1245262	2362122	26-07-2016 14:41:15	0.00	0.01	0.20	763.9	45.4	0	0.028	0.895

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike072616_118	VPSec12	1245244	2362229	26-07-2016 14:43:10	0.00	0.00	0.73	765.8	45.3	-0.066	0.02	3.257
VosburgPike072616_45	VPSec12	1245114	2360846	26-07-2016 09:55:13	0.00	0.00	0.33	765.1	30.1	0	-0.002	1.407
VosburgPike072616_46	VPSec12	1245364	2360788	26-07-2016 10:01:30	0.00	0.00	0.15	765.1	30.8	0	0.001	0.641
VosburgPike072616_47	VPSec12	1245361	2361019	26-07-2016 10:09:50	21.09	0.00	3.06	763.9	31.6	89.963	0.005	13.038
VosburgPike072616_48	VPSec12	1245339	2361004	26-07-2016 10:12:46	10.25	0.00	3.37	766.5	31.8	43.618	0.011	14.333
VosburgPike072616_49	VPSec12	1245136	2361053	26-07-2016 10:16:43	0.00	0.00	0.18	766.3	32.2	-0.403	0.01	0.787
VosburgPike072616_50	VPSec12	1245162	2361297	26-07-2016 10:22:47	0.00	0.00	0.10	767.3	32.8	-3.247	0.004	0.409
VosburgPike072616_51	VPSec12	1245395	2361294	26-07-2016 10:27:53	0.00	0.00	0.09	764.9	33.3	-5.298	0.013	0.4
VosburgPike072616_52	VPSec12	1245581	2361318	26-07-2016 10:32:42	0.00	0.00	0.05	762.8	33.7	-2.046	0	0.222
VosburgPike072616_53	VPSec12	1245562	2361064	26-07-2016 10:41:43	0.00	0.00	1.07	761.9	34.6	-1.269	0.006	4.618
VosburgPike072616_54	VPSec12	1245619	2361039	26-07-2016 10:44:49	0.00	0.00	0.21	764.0	34.7	-2.554	0.002	0.901
VosburgPike072616_55	VPSec12	1245663	2361037	26-07-2016 10:48:21	0.00	0.00	1.55	764.3	35.0	-149.269	0.001	6.692
VosburgPike072616_56	VPSec12	1245747	2361017	26-07-2016 10:52:21	0.00	0.00	0.36	765.0	35.2	-89.775	-0.001	1.533
VosburgPike072616_57	VPSec12	1245831	2361016	26-07-2016 10:57:03	0.00	0.00	0.03	764.2	35.4	-13.01	-0.003	0.145
VosburgPike072616_58	VPSec12	1245989	2360998	26-07-2016 11:02:03	0.00	0.00	0.03	762.0	35.6	0	-0.001	0.121
VosburgPike072616_59	VPSec12	1246163	2361003	26-07-2016 11:05:57	0.00	0.00	0.02	760.7	35.7	0	0	0.069
VosburgPike072616_60	VPSec12	1246190	2361256	26-07-2016 11:13:33	0.00	0.00	0.12	760.0	36.0	0	-0.001	0.502
VosburgPike072616_61	VPSec12	1245992	2361277	26-07-2016 11:18:03	0.00	0.00	0.05	758.0	36.0	-7.199	0.001	0.223
VosburgPike072616_62	VPSec12	1245793	2361284	26-07-2016 11:21:46	0.00	0.00	0.03	759.5	36.1	-0.001	-0.002	0.126
VosburgPike072616_63	VPSec12	1245889	2361820	26-07-2016 11:43:59	0.00	0.00	1.29	760.0	36.8	0	0	5.637
VosburgPike072616_64	VPSec12	1245688	2361827	26-07-2016 11:48:11	0.00	0.00	0.00	761.0	36.8	-4.153	-0.002	0.002
VosburgPike072616_65	VPSec12	1245469	2361841	26-07-2016 11:54:07	0.00	0.00	0.00	760.5	37.0	0	0.003	-0.038
VosburgPike072616_66	VPSec12	1245561	2362045	26-07-2016 12:08:19	0.00	0.00	0.84	763.2	38.5	-0.209	0.009	3.653
VosburgPike072616_67	VPSec12	1245660	2362032	26-07-2016 12:13:31	0.00	0.01	0.88	763.1	39.2	-0.364	0.033	3.867
VosburgPike072616_68	VPSec12	1245687	2362024	26-07-2016 12:16:14	0.00	0.00	1.31	762.8	39.5	-0.946	0.017	5.756
VosburgPike072616_69	VPSec12	1245753	2362031	26-07-2016 12:19:20	4.24	0.00	0.82	763.0	39.8	18.61	0.006	3.608
VosburgPike072616_70	VPSec12	1245784	2362008	26-07-2016 12:22:00	0.00	0.00	0.50	763.1	40.1	-77.738	0.013	2.207
VosburgPike072616_71	VPSec12	1245869	2361991	26-07-2016 12:25:03	1.65	0.01	7.21	762.6	40.4	7.269	0.024	31.705
VosburgPike072616_72	VPSec12	1245871	2362134	26-07-2016 12:29:08	0.00	0.00	0.02	762.6	40.7	-1.951	0.011	0.107
VosburgPike072616_73	VPSec12	1245878	2362169	26-07-2016 12:31:36	3.23	0.00	2.38	763.5	40.9	14.207	0.003	10.469
VosburgPike072616_74	VPSec12	1245938	2362170	26-07-2016 12:34:39	0.00	0.00	0.00	763.5	41.1	-3.533	0.018	-0.091
VosburgPike072616_75	VPSec12	1245955	2362117	26-07-2016 12:36:58	0.00	0.00	0.07	762.9	41.2	-3.925	0.017	0.308
VosburgPike072616_76	VPSec12	1245936	2362252	26-07-2016 12:41:06	0.00	0.00	0.27	762.7	41.7	-0.234	0.019	1.178
VosburgPike072616_77	VPSec12	1245878	2362255	26-07-2016 12:45:59	0.00	0.00	0.28	763.5	42.1	-2.676	0.015	1.237
VosburgPike072616_78	VPSec12	1245824	2362272	26-07-2016 12:47:35	0.00	0.00	0.33	763.5	42.2	0	0.022	1.462
VosburgPike072616_79	VPSec12	1245820	2362172	26-07-2016 12:51:48	0.00	0.01	0.19	763.5	42.4	-7.253	0.025	0.861

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike072616_80	VPSec12	1245787	2362186	26-07-2016 12:54:31	0.00	0.01	0.26	763.7	42.4	-3.48	0.025	1.149
VosburgPike072616_81	VPSec12	1245776	2362148	26-07-2016 12:57:23	13.71	0.00	0.49	764.1	42.4	60.518	0.015	2.183
VosburgPike072616_82	VPSec12	1245780	2362126	26-07-2016 13:00:26	19404.98	0.02	32.18	764.1	42.4	85680.13	0.101	142.077
VosburgPike072616_83	VPSec12	1245782	2362110	26-07-2016 13:05:32	0.00	0.00	0.42	763.8	42.6	-0.019	0.017	1.838
VosburgPike072616_84	VPSec12	1245764	2362091	26-07-2016 13:08:50	0.97	0.00	1.45	763.3	42.8	4.304	0.011	6.406
VosburgPike072616_85	VPSec12	1245752	2362197	26-07-2016 13:13:06	0.00	0.01	0.06	763.3	43.2	-35.788	0.03	0.249
VosburgPike072616_86	VPSec12	1245721	2362202	26-07-2016 13:15:39	13.84	0.00	0.47	763.7	43.4	61.335	0.016	2.098
VosburgPike072616_87	VPSec12	1245755	2362260	26-07-2016 13:18:36	0.00	0.00	0.25	763.5	43.7	-204.798	0.015	1.113
VosburgPike072616_88	VPSec12	1245715	2362255	26-07-2016 13:21:41	29.16	0.00	2.65	763.7	44.1	129.511	0.017	11.752
VosburgPike072616_89	VPSec12	1245726	2362291	26-07-2016 13:24:30	0.00	0.00	0.10	764.1	44.4	-282.742	0.022	0.449
VosburgPike072616_90	VPSec12	1245759	2362297	26-07-2016 13:27:08	0.00	0.00	0.33	763.1	44.6	-0.801	0.012	1.49
VosburgPike072616_91	VPSec12	1245682	2362308	26-07-2016 13:30:47	11.11	0.00	0.61	763.1	45.0	49.529	0.02	2.722
VosburgPike072616_92	VPSec12	1245719	2362342	26-07-2016 13:33:13	0.00	0.01	0.25	763.8	45.2	-0.292	0.032	1.126
VosburgPike072616_93	VPSec12	1245679	2362358	26-07-2016 13:35:16	0.00	0.00	0.09	763.8	45.3	0	0.014	0.379
VosburgPike072616_94	VPSec12	1245629	2362359	26-07-2016 13:37:30	0.00	0.00	0.04	763.8	45.4	-0.583	0.002	0.17
VosburgPike072616_95	VPSec12	1245631	2362314	26-07-2016 13:40:01	0.00	0.00	0.55	763.9	45.4	0	0.018	2.43
VosburgPike072616_96	VPSec12	1245633	2362264	26-07-2016 13:43:08	0.00	0.00	0.05	763.8	45.4	-1.044	0.012	0.23
VosburgPike072616_97	VPSec12	1245633	2362224	26-07-2016 13:45:32	0.00	0.00	0.44	763.9	45.3	-2.399	0.008	1.981
VosburgPike072616_98	VPSec12	1245660	2362223	26-07-2016 13:47:40	0.00	0.00	0.27	763.5	45.3	-6.73	0.019	1.186
VosburgPike072616_99	VPSec12	1245699	2362175	26-07-2016 13:50:08	0.00	0.00	0.16	763.4	45.3	0	0.013	0.701

APPENDIX C

VOLUMETRIC FLUX CALCULATIONS

Grid Volume Computations

Mon Aug 22 15:30:59 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\Baird_CO2.grd
Grid Size:	27 rows x 30 columns
X Minimum:	2330533.884
X Maximum:	2330965.03
X Spacing:	14.867103448266
Y Minimum:	1230499.148
Y Maximum:	1230895.106
Y Spacing:	15.229153846149
Z Minimum:	0.011088716044587
Z Maximum:	0.48189341245602

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	2468.3096730238
Simpson's Rule:	2482.3001054106
Simpson's 3/8 Rule:	2475.2538776366

Cut & Fill Volumes

Positive Volume [Cut]:	2468.3096730238
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	2468.3096730238

Areas

Planar Areas

Positive Planar Area [Cut]:	122602.85916503
Negative Planar Area [Fill]:	0

Blanked Planar Area:	48112.848702804
Total Planar Area:	170715.70786783

Surface Areas

Positive Surface Area [Cut]:	122602.86630008
Negative Surface Area [Fill]:	0

Grid Volume Computations

Mon Aug 22 14:51:54 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\BC-CJ_CH4_notail.grd
Grid Size:	160 rows x 223 columns
X Minimum:	2299846.488
X Maximum:	2313349.984
X Spacing:	60.82655855856
Y Minimum:	1208370.868
Y Maximum:	1218131.074
Y Spacing:	61.384943396226
Z Minimum:	0
Z Maximum:	1115.2441424584

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	6694778.4467727
Simpson's Rule:	6643441.8204777
Simpson's 3/8 Rule:	6681465.4480982

Cut & Fill Volumes

Positive Volume [Cut]:	6694778.4467727
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	6694778.4467727

Areas

Planar Areas

Positive Planar Area [Cut]:	21854135.401073

Negative Planar Area [Fill]:	0
Blanked Planar Area:	109942767.27911
Total Planar Area:	131796902.68018

Surface Areas

Positive Surface Area [Cut]:	21872384.47646
Negative Surface Area [Fill]:	0

Grid Volume Computations

Mon Jul 25 15:50:46 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\BC-CJ_CO2.grd
Grid Size:	164 rows x 226 columns
X Minimum:	2299846.488
X Maximum:	2313349.984
X Spacing:	60.015537777779
Y Minimum:	1208370.868
Y Maximum:	1218131.074
Y Spacing:	59.878564417178
Z Minimum:	-1.2907054774642
Z Maximum:	13.64858277032

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	878529.45787096
Simpson's Rule:	878135.59854401
Simpson's 3/8 Rule:	879201.56237687

Cut & Fill Volumes

Positive Volume [Cut]:	918330.64425091
Negative Volume [Fill]:	39801.18637995
Net Volume [Cut-Fill]:	878529.45787096

Areas

Planar Areas

Positive Planar Area [Cut]:	19853329.718289
Negative Planar Area [Fill]:	2039151.0213876

Blanked Planar Area:	109904421.9405
Total Planar Area:	131796902.68018

Surface Areas

Positive Surface Area [Cut]:	19853337.506347
Negative Surface Area [Fill]:	2039151.1840433

Grid Volume Computations

Mon Aug 22 15:31:39 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\fed_CO2.grd
Grid Size:	29 rows x 29 columns
X Minimum:	2319828.73
X Maximum:	2320244.755
X Spacing:	14.858035714282
Y Minimum:	1219606.185
Y Maximum:	1220026.508
Y Spacing:	15.011535714281
Z Minimum:	-0.034394569052736
Z Maximum:	1.0324614745737

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	1893.056558787
Simpson's Rule:	1914.3829797212
Simpson's 3/8 Rule:	1886.3371814665

Cut & Fill Volumes

Positive Volume [Cut]:	1894.1196262537
Negative Volume [Fill]:	1.0630674667152
Net Volume [Cut-Fill]:	1893.056558787

Areas

Planar Areas

Positive Planar Area [Cut]:	126543.7012061
Negative Planar Area [Fill]:	924.76394288392

Blanked Planar Area:	47396.410925914
Total Planar Area:	174864.8760749

Surface Areas

Positive Surface Area [Cut]:	126543.71429742
Negative Surface Area [Fill]:	924.76395067499

Grid Volume Computations

Mon Aug 22 14:53:43 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\FR_ch4_notail.grd
Grid Size:	45 rows x 88 columns
X Minimum:	2328063.222
X Maximum:	2333285.104
X Spacing:	60.021632183905
Y Minimum:	1233397.514
Y Maximum:	1236039.468
Y Spacing:	60.044409090912
Z Minimum:	0
Z Maximum:	9.0043805863534

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	79186.055142509
Simpson's Rule:	79568.678217566
Simpson's 3/8 Rule:	79686.807922494

Cut & Fill Volumes

Positive Volume [Cut]:	79186.055142509
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	79186.055142509

Areas

Planar Areas

Positive Planar Area [Cut]:	5789767.261789
Negative Planar Area [Fill]:	0

Blanked Planar Area:	8006204.7756391
Total Planar Area:	13795972.037428

Surface Areas

Positive Surface Area [Cut]:	5789769.3221863
Negative Surface Area [Fill]:	0

Grid Volume Computations

Mon Jul 25 15:52:00 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\FR_CO2.grd
Grid Size:	45 rows x 88 columns
X Minimum:	2328063.222
X Maximum:	2333285.104
X Spacing:	60.021632183905
Y Minimum:	1233397.514
Y Maximum:	1236039.468
Y Spacing:	60.044409090912
Z Minimum:	-0.48854629943745
Z Maximum:	2.6928788862205

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	149971.68303021
Simpson's Rule:	150490.23101606
Simpson's 3/8 Rule:	149989.12414379

Cut & Fill Volumes

Positive Volume [Cut]:	156120.80775501
Negative Volume [Fill]:	6149.1247248054
Net Volume [Cut-Fill]:	149971.68303021

Areas

Planar Areas

Positive Planar Area [Cut]:	5152964.5083762
Negative Planar Area [Fill]:	636802.75341281

Blanked Planar Area:	8006204.7756391
Total Planar Area:	13795972.037428

Surface Areas

Positive Surface Area [Cut]:	5152964.8745646
Negative Surface Area [Fill]:	636802.77464198

Grid Volume Computations

Mon Aug 22 15:32:14 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\PB_CO2.grd
Grid Size:	29 rows x 28 columns
X Minimum:	2384394.023
X Maximum:	2384804.719
X Spacing:	15.210962962963
Y Minimum:	1236770.126
Y Maximum:	1237182.666
Y Spacing:	14.733571428573
Z Minimum:	0.044256145197129
Z Maximum:	0.96934822599344

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	2629.5923828834
Simpson's Rule:	2641.5223215553
Simpson's 3/8 Rule:	2652.3484757761

Cut & Fill Volumes

Positive Volume [Cut]:	2629.5923828834
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	2629.5923828834

Areas

Planar Areas

Positive Planar Area [Cut]:	124045.8864543
Negative Planar Area [Fill]:	0

Blanked Planar Area:	45382.641385718
Total Planar Area:	169428.52784001

Surface Areas

Positive Surface Area [Cut]:	124045.89513612
Negative Surface Area [Fill]:	0

Grid Volume Computations

Mon Aug 22 14:54:57 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\SEC18_CH4_notail.grd
Grid Size:	14 rows x 17 columns
X Minimum:	2335009.802
X Maximum:	2335351.728
X Spacing:	21.370374999999
Y Minimum:	1237262.634
Y Maximum:	1237550.195
Y Spacing:	22.120076923076
Z Minimum:	0
Z Maximum:	0.76953638314603

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	218.57308783
Simpson's Rule:	210.88573335488
Simpson's 3/8 Rule:	220.47504706805

Cut & Fill Volumes

Positive Volume [Cut]:	218.57308783
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	218.57308783

Areas

Planar Areas

Positive Planar Area [Cut]:	80125.080439304

Negative Planar Area [Fill]:	0
Blanked Planar Area:	18199.502046685
Total Planar Area:	98324.582485989

Surface Areas

Positive Surface Area [Cut]:	80125.09088583
Negative Surface Area [Fill]:	0

Grid Volume Computations

Mon Aug 22 15:03:43 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\SEC18_CO2.grd
Grid Size:	20 rows x 24 columns
X Minimum:	2335009.802
X Maximum:	2335351.728
X Spacing:	14.866347826086
Y Minimum:	1237262.634
Y Maximum:	1237550.195
Y Spacing:	15.134789473684
Z Minimum:	-0.015857333194172
Z Maximum:	0.75826449397703

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	1806.3905277844
Simpson's Rule:	1803.917532519
Simpson's 3/8 Rule:	1813.7254050633

Cut & Fill Volumes

Positive Volume [Cut]:	1806.9798446926
Negative Volume [Fill]:	0.58931690817792
Net Volume [Cut-Fill]:	1806.3905277844

Areas

Planar Areas

Positive Planar Area [Cut]:	81882.291317389
Negative Planar Area [Fill]:	917.35709186457

Blanked Planar Area:	15524.934076735
Total Planar Area:	98324.582485989

Surface Areas

Positive Surface Area [Cut]:	81882.30014979
Negative Surface Area [Fill]:	917.35710197032

Grid Volume Computations

Mon Jul 25 14:36:18 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\TC-PR_CH4.grd
Grid Size:	111 rows x 322 columns
X Minimum:	2370444.281
X Maximum:	2389727.334
X Spacing:	60.071816199376
Y Minimum:	1237840.3
Y Maximum:	1244433.328
Y Spacing:	59.936618181818
Z Minimum:	-231.46196057492
Z Maximum:	926.49997861743

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	3353025.0197089
Simpson's Rule:	3446878.3396209
Simpson's 3/8 Rule:	3454828.4439815

Cut & Fill Volumes

Positive Volume [Cut]:	5898467.5775712
Negative Volume [Fill]:	2545442.5578623
Net Volume [Cut-Fill]:	3353025.0197089

Areas

Planar Areas

Positive Planar Area [Cut]:	8536976.0612058
Negative Planar Area [Fill]:	10482673.170812

Blanked Planar Area:	108114059.12246
Total Planar Area:	127133708.35448

Surface Areas

Positive Surface Area [Cut]:	8554769.2099344
Negative Surface Area [Fill]:	10484023.58

Grid Volume Computations

Mon Aug 22 14:32:56 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\TC-PR_CH4_0_notail_blanked.grd
Grid Size:	111 rows x 322 columns
X Minimum:	2370444.281
X Maximum:	2389727.334
X Spacing:	60.071816199376
Y Minimum:	1237840.3
Y Maximum:	1244433.328
Y Spacing:	59.936618181818
Z Minimum:	0
Z Maximum:	926.49997861743

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	4988403.6581979
Simpson's Rule:	5028080.2096972
Simpson's 3/8 Rule:	5033423.4717029

Cut & Fill Volumes

Positive Volume [Cut]:	4988403.6581979
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	4988403.6581979

Areas

Planar Areas

Positive Planar Area [Cut]:	18520979.77274

Negative Planar Area [Fill]:	0
Blanked Planar Area:	108612728.58174
Total Planar Area:	127133708.35448

Surface Areas

Positive Surface Area [Cut]:	18538452.472154
Negative Surface Area [Fill]:	0

Grid Volume Computations

Mon Jul 25 15:53:18 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\TC-PR_CO2.grd
Grid Size:	111 rows x 322 columns
X Minimum:	2370444.281
X Maximum:	2389727.334
X Spacing:	60.071816199376
Y Minimum:	1237840.3
Y Maximum:	1244433.328
Y Spacing:	59.936618181818
Z Minimum:	-0.6326913533075
Z Maximum:	4.0707279953686

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	568860.80277106
Simpson's Rule:	569171.1361516
Simpson's 3/8 Rule:	567775.34736769

Cut & Fill Volumes

Positive Volume [Cut]:	585024.21655846
Negative Volume [Fill]:	16163.413787398
Net Volume [Cut-Fill]:	568860.80277106

Areas

Planar Areas

Positive Planar Area [Cut]:	17996582.391936
Negative Planar Area [Fill]:	1023066.8400814

Blanked Planar Area:	108114059.12246
Total Planar Area:	127133708.35448

Surface Areas

Positive Surface Area [Cut]:	17996584.121347
Negative Surface Area [Fill]:	1023066.8773934

Grid Volume Computations

Mon Aug 22 14:56:26 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\VP_CH4_notail.grd
Grid Size:	39 rows x 75 columns
X Minimum:	2349054.288
X Maximum:	2353504.596
X Spacing:	60.139297297294
Y Minimum:	1242435.743
Y Maximum:	1244689.882
Y Spacing:	59.31944736842
Z Minimum:	0
Z Maximum:	107.20309361471

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	796272.41620325
Simpson's Rule:	792979.89731635
Simpson's 3/8 Rule:	786570.18073238

Cut & Fill Volumes

Positive Volume [Cut]:	796272.41620325
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	796272.41620325

Areas

Planar Areas

Positive Planar Area [Cut]:	4940890.3849088
Negative Planar Area [Fill]:	0

Blanked Planar Area:	5090722.4399024
Total Planar Area:	10031612.824811

Surface Areas

Positive Surface Area [Cut]:	4941180.336046
Negative Surface Area [Fill]:	0

Grid Volume Computations

Mon Aug 22 15:05:00 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\VP_CO2.grd
Grid Size:	39 rows x 75 columns
X Minimum:	2349054.288
X Maximum:	2353504.596
X Spacing:	60.139297297294
Y Minimum:	1242435.743
Y Maximum:	1244689.882
Y Spacing:	59.31944736842
Z Minimum:	-1.0974904392963
Z Maximum:	5.9814299848458

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	187108.8111099
Simpson's Rule:	186556.31202856
Simpson's 3/8 Rule:	187064.67697403

Cut & Fill Volumes

Positive Volume [Cut]:	201589.95905465
Negative Volume [Fill]:	14481.147944754
Net Volume [Cut-Fill]:	187108.8111099

Areas

Planar Areas

Positive Planar Area [Cut]:	4432464.7667947
Negative Planar Area [Fill]:	508425.61811412

Blanked Planar Area:	5090722.4399024
Total Planar Area:	10031612.824811

Surface Areas

Positive Surface Area [Cut]:	4432466.0602712
Negative Surface Area [Fill]:	508425.74777232

Grid Volume Computations

Mon Aug 22 14:57:57 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\VPSEC12_CH4_notail.grd
Grid Size:	25 rows x 65 columns
X Minimum:	2358638.781
X Maximum:	2362459.086
X Spacing:	59.692265625003
Y Minimum:	1245014.421
Y Maximum:	1246428.364
Y Spacing:	58.914291666665
Z Minimum:	0
Z Maximum:	5539.6956519165

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	3652001.9243031
Simpson's Rule:	4711843.2513932
Simpson's 3/8 Rule:	4271804.3370387

Cut & Fill Volumes

Positive Volume [Cut]:	3652001.9243031
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	3652001.9243031

Areas

Planar Areas

Positive Planar Area [Cut]:	4478552.5314553

Negative Planar Area [Fill]:	0
Blanked Planar Area:	923140.98115981
Total Planar Area:	5401693.5126151

Surface Areas

Positive Surface Area [Cut]:	4591873.8767076
Negative Surface Area [Fill]:	0

Grid Volume Computations

Mon Aug 22 15:05:50 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\VPSEC12_CO2.grd
Grid Size:	25 rows x 65 columns
X Minimum:	2358638.781
X Maximum:	2362459.086
X Spacing:	59.692265625003
Y Minimum:	1245014.421
Y Maximum:	1246428.364
Y Spacing:	58.914291666665
Z Minimum:	-0.50065590422078
Z Maximum:	11.12426656152

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	174796.80402795
Simpson's Rule:	174854.27766394
Simpson's 3/8 Rule:	176694.63899637

Cut & Fill Volumes

Positive Volume [Cut]:	179203.14052544
Negative Volume [Fill]:	4406.3364974899
Net Volume [Cut-Fill]:	174796.80402795

Areas

Planar Areas

Positive Planar Area [Cut]:	4057706.9796535

Negative Planar Area [Fill]:	420845.55180181
Blanked Planar Area:	923140.98115981
Total Planar Area:	5401693.5126151

Surface Areas

Positive Surface Area [Cut]:	4057709.8970174
Negative Surface Area [Fill]:	420845.57396434

Grid Volume Computations

Mon Aug 22 14:59:04 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\VPSEC17_CH4_notail.grd
Grid Size:	15 rows x 17 columns
X Minimum:	2340903.863
X Maximum:	2341148.541
X Spacing:	15.292375000019
Y Minimum:	1240747.935
Y Maximum:	1240953.944
Y Spacing:	14.714928571418
Z Minimum:	0
Z Maximum:	28.017648618026

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	7673.4086101855
Simpson's Rule:	7685.8099706559
Simpson's 3/8 Rule:	7660.7745968655

Cut & Fill Volumes

Positive Volume [Cut]:	7673.4086101855
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	7673.4086101855

Areas

Planar Areas

Positive Planar Area [Cut]:	36229.219135831

Negative Planar Area [Fill]:	0
Blanked Planar Area:	14176.650966195
Total Planar Area:	50405.870102025

Surface Areas

Positive Surface Area [Cut]:	36238.934296882
Negative Surface Area [Fill]:	0

Grid Volume Computations

Mon Aug 22 15:06:45 2016

Upper Surface

Grid File Name:	P:\La Plata County\2016 Detailed Seep Mapping\Surfer\VPSEC17_CO2.grd
Grid Size:	15 rows x 17 columns
X Minimum:	2340903.863
X Maximum:	2341148.541
X Spacing:	15.292375000019
Y Minimum:	1240747.935
Y Maximum:	1240953.944
Y Spacing:	14.714928571418
Z Minimum:	-1.1890457719297
Z Maximum:	7.5053098462589

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	2560.6455342277
Simpson's Rule:	2616.0142105016
Simpson's 3/8 Rule:	2589.2665511032

Cut & Fill Volumes

Positive Volume [Cut]:	3203.1386815424
Negative Volume [Fill]:	642.49314731477
Net Volume [Cut-Fill]:	2560.6455342277

Areas

Planar Areas

Positive Planar Area [Cut]:	21439.044869391

Negative Planar Area [Fill]:	14790.17426644
Blanked Planar Area:	14176.650966195
Total Planar Area:	50405.870102025

Surface Areas

Positive Surface Area [Cut]:	21439.808613581
Negative Surface Area [Fill]:	14790.208422148

APPENDIX D

LABORATORY ANALYTICAL REPORTS

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

07 June 2016

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 05/20/16 17:03.
If you need any further assistance, please feel free to contact me.

Sincerely,

Debbie Zufelt
Reports Manager

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

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

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

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: La Plata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/07/16 10:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Darwin Rather Spring #1	1605223-01	Water	05/20/16 14:00	05/20/16 17:03
Hoier Spring	1605223-02	Water	05/20/16 15:40	05/20/16 17:03

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: La Plata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/07/16 10:09

Darwin Rather Spring #1

1605223-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate*	**158**	10.0		mg/L	1	06/03/16	2320 B		KDG
Alkalinity, Carbonate*	**10.0**	10.0		mg/L	1	06/03/16	2320 B		KDG
Alkalinity, Hydroxide*	<10.0	10.0		mg/L	1	06/03/16	2320 B		KDG
Alkalinity, Total*	**168**	10.0		mg/L	1	06/03/16	2320 B		KDG
Bromide	**2.61**	0.100	0.00845	mg/L	1	05/26/16	EPA300.0		JDA
Chloride	**15.7**	1.00	0.0519	mg/L	1	05/28/16	EPA300.0		JDA
Fluoride*	**0.150**	0.100	0.00763	mg/L	1	05/28/16	EPA300.0		JDA
Total Dissolved Solids	**290**	10.0		mg/L	1	06/01/16	EPA160.1		KDG
Sulfate	**27.4**	1.00	0.0615	mg/L	1	05/28/16	EPA300.0		JDA
Dissolved Metals by ICP									
Calcium*	**55.0**	0.100	0.014	mg/L	5	05/31/16	EPA200.7		LLG
Iron*	<0.250	0.250	0.017	mg/L	5	05/31/16	EPA200.7		LLG
Magnesium*	**16.5**	0.500	0.162	mg/L	5	05/31/16	EPA200.7		LLG
Potassium*	<5.00	5.00	1.67	mg/L	5	05/31/16	EPA200.7		LLG
Sodium*	**6.55**	5.00	1.53	mg/L	5	05/31/16	EPA200.7		LLG

Green Analytical Laboratories

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www.GreenAnalytical.com

LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: La Plata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/07/16 10:09

Hoier Spring

1605223-02 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate*	**118**	10.0		mg/L	1	06/03/16	2320 B		KDG
Alkalinity, Carbonate*	<10.0	10.0		mg/L	1	06/03/16	2320 B		KDG
Alkalinity, Hydroxide*	<10.0	10.0		mg/L	1	06/03/16	2320 B		KDG
Alkalinity, Total*	**118**	10.0		mg/L	1	06/03/16	2320 B		KDG
Bromide	**0.213**	0.100	0.00845	mg/L	1	05/26/16	EPA300.0		JDA
Chloride	**1.41**	1.00	0.0519	mg/L	1	05/28/16	EPA300.0		JDA
Fluoride*	**0.223**	0.100	0.00763	mg/L	1	05/28/16	EPA300.0		JDA
Total Dissolved Solids	**135**	10.0		mg/L	1	06/03/16	EPA160.1	H3	KDG
Sulfate	**5.12**	1.00	0.0615	mg/L	1	05/28/16	EPA300.0		JDA
Dissolved Metals by ICP									
Calcium*	**22.7**	0.100	0.014	mg/L	5	05/31/16	EPA200.7		LLG
Iron*	**0.815**	0.250	0.017	mg/L	5	05/31/16	EPA200.7		LLG
Magnesium*	**11.1**	0.500	0.162	mg/L	5	05/31/16	EPA200.7		LLG
Potassium*	<5.00	5.00	1.67	mg/L	5	05/31/16	EPA200.7		LLG
Sodium*	**10.3**	5.00	1.53	mg/L	5	05/31/16	EPA200.7		LLG

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: La Plata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/07/16 10:09

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B605221 - General Prep - Wet Chem										
Blank (B605221-BLK1)			Prepared: 05/24/16 Analyzed: 06/01/16							
Total Dissolved Solids	ND	10.0	mg/L							
Reference (B605221-SRM1)			Prepared: 05/24/16 Analyzed: 06/01/16							
Total Dissolved Solids	415	10.0	mg/L	400		104	85-115			
Batch B605232 - General Prep - Wet Chem										
Blank (B605232-BLK1)			Prepared: 05/25/16 Analyzed: 05/26/16							
Bromide	ND	0.100	mg/L							
LCS (B605232-BS1)			Prepared: 05/25/16 Analyzed: 05/26/16							
Bromide	2.48	0.100	mg/L	2.50		99.4	90-110			
LCS Dup (B605232-BSD1)			Prepared: 05/25/16 Analyzed: 05/26/16							
Bromide	2.47	0.100	mg/L	2.50		98.9	90-110	0.484	20	
Batch B605253 - General Prep - Wet Chem										
Blank (B605253-BLK1)			Prepared & Analyzed: 06/03/16							
Alkalinity, Bicarbonate	ND	10.0	mg/L							
Alkalinity, Carbonate	ND	10.0	mg/L							
Alkalinity, Hydroxide	ND	10.0	mg/L							
Alkalinity, Total	ND	10.0	mg/L							
LCS (B605253-BS1)			Prepared & Analyzed: 06/03/16							
Alkalinity, Bicarbonate	ND	10.0	mg/L				85-115			
Alkalinity, Carbonate	ND	10.0	mg/L				85-115			
Alkalinity, Hydroxide	ND	10.0	mg/L				85-115			
Alkalinity, Total	107	10.0	mg/L	100		107	85-115			
LCS Dup (B605253-BSD1)			Prepared & Analyzed: 06/03/16							
Alkalinity, Bicarbonate	ND	10.0	mg/L				85-115		20	
Alkalinity, Carbonate	ND	10.0	mg/L				85-115		20	
Alkalinity, Hydroxide	ND	10.0	mg/L				85-115		20	
Alkalinity, Total	107	10.0	mg/L	100		107	85-115	0.00	20	
Batch B605273 - General Prep - Wet Chem										
Blank (B605273-BLK1)			Prepared: 05/27/16 Analyzed: 05/28/16							
Chloride	ND	1.00	mg/L							
Fluoride	ND	0.100	mg/L							
Sulfate	ND	1.00	mg/L							

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: La Plata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/07/16 10:09

General Chemistry - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B605273 - General Prep - Wet Chem (Continued)										
LCS (B605273-BS1)				Prepared: 05/27/16 Analyzed: 05/28/16						
Chloride	23.8	1.00	mg/L	25.0		95.3	90-110			
Fluoride	2.41	0.100	mg/L	2.50		96.6	90-110			
Sulfate	24.0	1.00	mg/L	25.0		96.1	90-110			
LCS Dup (B605273-BSD1)				Prepared: 05/27/16 Analyzed: 05/28/16						
Chloride	23.5	1.00	mg/L	25.0		94.0	90-110	1.39	20	
Fluoride	2.40	0.100	mg/L	2.50		95.9	90-110	0.707	20	
Sulfate	24.1	1.00	mg/L	25.0		96.4	90-110	0.349	20	
Batch B606002 - General Prep - Wet Chem										
Blank (B606002-BLK1)				Prepared: 06/01/16 Analyzed: 06/03/16						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (B606002-DUP1)		**Source: 1605223-02**		Prepared: 06/01/16 Analyzed: 06/03/16						
Total Dissolved Solids	125	10.0	mg/L		135			7.69	20	
Reference (B606002-SRM1)				Prepared: 06/01/16 Analyzed: 06/03/16						
Total Dissolved Solids	385	10.0	mg/L	400		96.3	85-115			

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: La Plata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/07/16 10:09

Dissolved Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B605287 - Dissolved Metals, E200.7/E200.8										
Blank (B605287-BLK1)			Prepared & Analyzed: 05/31/16							
Calcium	ND	0.020	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 (B605287-BS1)			Prepared & Analyzed: 05/31/16							
Calcium	5.08	0.020	mg/L	5.00		102	85-115			
Iron	5.08	0.050	mg/L	5.00		102	85-115			
Magnesium	25.0	0.100	mg/L	25.0		100	85-115			
Potassium	10.0	1.00	mg/L	10.0		100	85-115			
Sodium	8.18	1.00	mg/L	8.10		101	85-115			
LCS Dup (B605287-BSD1)			Prepared & Analyzed: 05/31/16							
Calcium	5.23	0.020	mg/L	5.00		105	85-115	2.77	20	
Iron	5.31	0.050	mg/L	5.00		106	85-115	4.56	20	
Magnesium	25.8	0.100	mg/L	25.0		103	85-115	3.05	20	
Potassium	10.3	1.00	mg/L	10.0		103	85-115	2.60	20	
Sodium	8.34	1.00	mg/L	8.10		103	85-115	2.03	20	

Green Analytical Laboratories

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: La Plata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/07/16 10:09

Notes and Definitions

H3	Initial analysis performed within hold-time but not reportable due to QC failure or other issue. Sample was subsequently re-analyzed past hold time specified by method.
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, Inc.
Contact Person:	Devin Hencmann
Address:	848 E 2nd Ave
City:	Durango, CO **State:** CO **Zip:** 81301
Phone #:	(970) 385-1096
Email:	DHencmann@LTEnv.com
Project Name(optional):	La Plata Springs
Project Number(optional):	194116001
Sampler Name (Print):	Josh Adams / Michael A Wicker

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

ANALYSIS REQUEST

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:	See Attached
1605-223-01	Darwin Rather Spring #1	5-20-16	1400		X						2			1			X
-02	Hoier Spring	5-20-16	1540		X						2			1			X

Relinquished By:	**Date:** 5-20-16	Received By:	ADDITIONAL REMARKS: Report to State? (Circle) Yes No
	Time: 1703	Dublin Zufelt	
Relinquished By:	Date:	Received By:	
	Time:		
Relinquished By:	Date:	Received By:	
	Time:		
Delivered By: (Circle One) Sampler - UPS - FedEx - Kangaroo - Other:	Temperature at reciept: #1 2.3°C on ice	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.

Project Information

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

LTE
5/20/2016

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

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

17 June 2016

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

RE: La Plata Springs

Enclosed are the results of analyses for samples received by the laboratory on 06/02/16 15:10.
If you need any further assistance, please feel free to contact me.

Sincerely,

Debbie Zufelt
Reports Manager

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

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

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

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: La plata Spring Sampling	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/17/16 15:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Animas River Spring	1606045-01	Water	06/02/16 13:15	06/02/16 15:10

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: La plata Spring Sampling	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/17/16 15:29

Animas River Spring

1606045-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate*	**507**	10.0		mg/L	1	06/14/16	2320 B		KDG
Alkalinity, Carbonate*	<10.0	10.0		mg/L	1	06/14/16	2320 B		KDG
Alkalinity, Hydroxide*	<10.0	10.0		mg/L	1	06/14/16	2320 B		KDG
Alkalinity, Total*	**507**	10.0		mg/L	1	06/14/16	2320 B		KDG
Bromide	<0.100	0.100	0.00845	mg/L	1	06/14/16	EPA300.0		JDA
Chloride	**66.2**	10.0	0.519	mg/L	10	06/14/16	EPA300.0	M5	JDA
Fluoride*	<1.00	1.00	0.0763	mg/L	10	06/14/16	EPA300.0	M5	JDA
Total Dissolved Solids	**2720**	10.0		mg/L	1	06/10/16	EPA160.1		KDG
Sulfate	**1250**	100	6.15	mg/L	100	06/16/16	EPA300.0		JDA
Dissolved Metals by ICP									
Calcium*	**249**	0.200	0.028	mg/L	10	06/09/16	EPA200.7		JLM
Iron*	<0.500	0.500	0.035	mg/L	10	06/09/16	EPA200.7		JLM
Magnesium*	**182**	1.00	0.324	mg/L	10	06/09/16	EPA200.7		JLM
Potassium*	<10.0	10.0	3.35	mg/L	10	06/09/16	EPA200.7		JLM
Sodium*	**230**	10.0	3.05	mg/L	10	06/09/16	EPA200.7		JLM
Cation/Anion Balance	**1.82**								

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

Green Analytical Laboratories
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www.GreenAnalytical.com

LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: La plata Spring Sampling	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/17/16 15:29

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B606091 - General Prep - Wet Chem										
Blank (B606091-BLK1)				Prepared: 06/07/16 Analyzed: 06/10/16						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (B606091-DUP1)		**Source: 1605303-01**		Prepared: 06/07/16 Analyzed: 06/10/16						
Total Dissolved Solids	230	10.0	mg/L		240			4.26	20	
Reference (B606091-SRM1)				Prepared: 06/07/16 Analyzed: 06/10/16						
Total Dissolved Solids	400	10.0	mg/L	400		100	85-115			
Batch B606124 - General Prep - Wet Chem										
Blank (B606124-BLK1)				Prepared & Analyzed: 06/14/16						
Bromide	ND	0.100	mg/L							
LCS (B606124-BS1)				Prepared & Analyzed: 06/14/16						
Bromide	2.50	0.100	mg/L	2.50		99.8	90-110			
LCS Dup (B606124-BSD1)				Prepared & Analyzed: 06/14/16						
Bromide	2.58	0.100	mg/L	2.50		103	90-110	3.43	20	
Batch B606125 - General Prep - Wet Chem										
Blank (B606125-BLK1)				Prepared & Analyzed: 06/14/16						
Chloride	ND	1.00	mg/L							
Fluoride	ND	0.100	mg/L							
Sulfate	ND	1.00	mg/L							
LCS (B606125-BS1)				Prepared & Analyzed: 06/14/16						
Chloride	24.7	1.00	mg/L	25.0		98.8	90-110			
Fluoride	2.37	0.100	mg/L	2.50		94.8	90-110			
Sulfate	23.6	1.00	mg/L	25.0		94.3	90-110			
LCS Dup (B606125-BSD1)				Prepared & Analyzed: 06/14/16						
Chloride	24.8	1.00	mg/L	25.0		99.0	90-110	0.186	20	
Fluoride	2.38	0.100	mg/L	2.50		95.0	90-110	0.253	20	
Sulfate	23.6	1.00	mg/L	25.0		94.4	90-110	0.157	20	
Batch B606132 - General Prep - Wet Chem										
Blank (B606132-BLK1)				Prepared & Analyzed: 06/14/16						
Alkalinity, Bicarbonate	ND	10.0	mg/L							
Alkalinity, Carbonate	ND	10.0	mg/L							
Alkalinity, Hydroxide	ND	10.0	mg/L							
Alkalinity, Total	ND	10.0	mg/L							

Green Analytical Laboratories

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LT Environmental	Project: La Plata Springs	
848 E 2nd Ave	Project Name / Number: La plata Spring Sampling	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/17/16 15:29

General Chemistry - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B606132 - General Prep - Wet Chem (Continued)										
LCS (B606132-BS1)			Prepared & Analyzed: 06/14/16							
Alkalinity, Bicarbonate	ND	10.0	mg/L				85-115			
Alkalinity, Carbonate	ND	10.0	mg/L				85-115			
Alkalinity, Hydroxide	ND	10.0	mg/L				85-115			
Alkalinity, Total	106	10.0	mg/L	100		106	85-115			
LCS Dup (B606132-BSD1)			Prepared & Analyzed: 06/14/16							
Alkalinity, Bicarbonate	ND	10.0	mg/L				85-115		20	
Alkalinity, Carbonate	ND	10.0	mg/L				85-115		20	
Alkalinity, Hydroxide	ND	10.0	mg/L				85-115		20	
Alkalinity, Total	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 B606076 - Dissolved Metals, E200.7/E200.8										
Blank (B606076-BLK1)			Prepared & Analyzed: 06/09/16							
Calcium	0.052	0.020	mg/L							B1
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 (B606076-BS1)			Prepared & Analyzed: 06/09/16							
Calcium	5.24	0.020	mg/L	5.00		105	85-115			
Iron	5.18	0.050	mg/L	5.00		104	85-115			
Magnesium	25.3	0.100	mg/L	25.0		101	85-115			
Potassium	10.1	1.00	mg/L	10.0		101	85-115			
Sodium	8.55	1.00	mg/L	8.10		106	85-115			
LCS Dup (B606076-BSD1)			Prepared & Analyzed: 06/09/16							
Calcium	4.68	0.020	mg/L	5.00		93.5	85-115	11.5	20	
Iron	4.64	0.050	mg/L	5.00		92.8	85-115	11.0	20	
Magnesium	22.7	0.100	mg/L	25.0		90.7	85-115	10.8	20	
Potassium	8.99	1.00	mg/L	10.0		89.9	85-115	11.7	20	
Sodium	7.59	1.00	mg/L	8.10		93.7	85-115	11.9	20	

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: La plata Spring Sampling	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/17/16 15:29

Notes and Definitions

M5	Sample was chosen for matrix spike. Spike recovery did not meet laboratory acceptance criteria, possible matrix interference in sample.
B1	Target analyte detected in method blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the method blank or less than the reporting limit.
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, Inc
Contact Person:	Devin Hencmann
Address:	848 E 2nd Ave
City:	Durango **State:** CO **Zip:** 81301
Phone #:	(970) 385-1096
Email:	DHencmann@LTEnv.com
Project Name(optional):	La Plata Spring Sampling
Project Number(optional):	05216002
Sampler Name (Print):	M. Wicker

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

ANALYSIS REQUEST

See Attached

For Lab Use	Sample Name or Location	Collected Date	Collected Time	Matrix: GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	DRINKING WATER	OTHER:	# of containers: No preservation (general)	HNO_3	HCl	H_2SO_4	Other:	Other:	See Attached
1606045-01	Animas River Spring	6-2-16	1315		X						X						X

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

Relinquished By: Michael A Wicker	**Date:** 6-2-16 **Time:** 1510	Received By: Michael Valentine	ADDITIONAL REMARKS: Report to State? (Circle) Yes No
Relinquished By:	Date: Time:	Received By:	
Relinquished By:	Date: Time:	Received By:	
Delivered By: (Circle One) Sampler - UPS - FedEx - Kangaroo - Other:	Temperature at reciept: 10.8 °C - ice	CHECKED BY: MV	

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

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

Project Information

LT Environmental

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

Phone: (970) 385-1096
Fax: -

LTE
5/16/2016

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

Four Corners Geoscience,Inc.
P.O. Box 4224
Durango, CO 81302

Methane Analysis Report

Client
L T Environmental,Inc.
848 East Second Avenue
Durango,CO 81301
ATTN
Devin Hencmann

Project Name:	LaPlata County Spring Sampling
Project Number:	0052116002
Report Date:	6/6/2016
Sampled By:	Michael Wicker

FCGeo #	**Sample Date**	**Site ID-Location**	**Sample Time**	**Results: *CH4***	***Limit***
			(Hrs)	***(mg/L)***	***(mg/L)***
060216-L1	6/2/2016	Animas River Spring	13:15	<0.02	0.02
060216-LB1	6/2/2016	LAB BLANK		<0.02	0.02

Date Samples delivered to FCGEO analysis by Lynn Fechter
Analyses were conducted on SRI gas chromatograph w/ FID within 24 hours of delivery.
Conducted Methane analysis per protocol and method established
by BLM San Juan Resource Area 1993 and USGS method.
Laboratory calibration quality control conducted the same day as sample runs.
Blanks and duplicated runs conducted for each sample set.
No field blanks received at FCGeo Lab

Analysis: Lynn Fechter

Lynn M. Fechter, B.S. Geology

Four Corners Geoscience, Inc
P O Box 4224
Durango , CO 81301

Phone: 970-247-5046
www.fcgeo.com

Client: LT Environmental, Inc
Contact: Devin Hencmann
Address: 848 E 2nd Ave
City: Durango,
State: CO Zip: 81301
Phone: (970) 385-1096
Email: DHencmann@LTEnv.com
Fax: (303) 433-1432

Project Name	La Plata Spring Sampling
Project #	~~0191600~~ # 052116002
Collector's Name	M. Wicker
Matrix	Check One

Groundwater	GW					
Surface Water	SW	X				
Domestic Well	DW					
Other						

Sample Identification	Date	Time	Matrix	# of Containers	Preservatives	ANALYSIS REQUIRED: Dissolved CH_4							COMMENTS
1. Animas River Spring	6-2-16	1315	SW	3	Cool	X							060216-L1
2.													
3.													
4.													
5.													
6.													
7.													

Chain of Custody Record	Signature	Company	Date	Time
Relinquished by:		LT Environmental, Inc	6-2-16	1411
Received by:		FCGeo Science	6-2-16	1411
Relinquished by:				
Received by:				

Four Corners Geoscience,Inc.

P.O. Box 4224

Durango, CO 81302

Methane Analysis Report

Client	
L T Environmental,Inc.	
848 East 2nd Avenue	
Durango,CO 81301	
Project	**Manager**
Devin	Hencmann
Project Name:	LaPlata Springs
Project Number:	05216002 2016
Report Date:	5/31/2016
Sampled By:	Josh Adams
Sampled By:	Michael Wicker

FCGeo #	**Sample Date**	**Sample Time**	**Site ID-Location**	**Results:**	
		(Hrs)		***CH4***	***Limit***
				(mg/L)	***(mg/L)***
052016-L1	5/20/2016	14:00	Darwin Rather #1	**<0.02**	0.02
052016-L2	5/20/2016	15:40	Hoier	**0.36**	0.02
					0.02
052016-LB1	5/20/2016	NA	LAB BLANK	<0.02	0.02
052016-LB2	5/20/2016	NA	LAB BLANK	<0.02	0.02

Samples delivered to FCGEO by LTE Geologist-analysis by Lynn Fechter

Analyses conducted-SRI gas chromatograph within 24 hours of delivery.

Conducted Methane analysis per protocol and method established

by BLM San Juan Resource Area 1993 and USGS method.

Laboratory calibration quality control conducted for project.

Lab blanks-(duplicates run if received from techs)

Analyst Lynn M. Fechter, B.S. Geology

Four Corners Geoscience

28 Trilobite Trail
Oxford, CO

54 Wassinger Drive
Bayfield, CO 81122

Mailing Address: P.O. Box 4224 • Durango, CO 81302
(970) 247-5046

Lab Number: 052016-L1,L2
Report Due Date:

Client: LT Environmental, Inc.
Address: 848 E. 2nd Avenue
City, State & Zip: Durango, CO 81301
Contact: Devin ~~Grider~~ Heinemann
Phone: (970) 385-1096
Fax: (303) 433-1432
P.O. Number:

Collector's Name: J. Adams / M. Wicker
Project Name: La Plata Springs
Project Number: 191160001

Fax Results Y N
Page of

PUBLIC WATER SUPPLY INFORMATION

System Name
PWS No.
Report to State/EPA Y N
POE No.
DWR No.
Collection Point
City
County

SAMPLE TYPE CODES

DW = drinking water
WW = waste water
MW = monitoring well
HW = hazardous waste
TB = travel blank
SD = solid
SO = soil
SL = sludge

Compliance Monitoring Y N

TURNAROUND TIME REQUESTED

Standard ✓
RUSH
Special

Lab Manager Approval

CLIENT'S SAMPLE ID/LOCATION	Date	Time	Sample Type	Containers	Analyses Requested: Dissolved Methane	Spl. No.
Darwin Rather #1	5-20-16	1400	SW	3-VOA		L1
Hoier	5-20-16	1540	SW	3-VOA		L2

Instructions/Comments/Special Requirements:

SAMPLE RECEIPT			Date	Time	Samples Relinquished By	Samples Received By
Received Cold	(Y)	N	5-20-16			Lynn M. Fecht
Custody Seals	(Y)	N				
Seals Intact	Y	N				
No. of Containers						

Standard Terms and Conditions apply unless written agreements specify otherwise. Payment terms are Net 30.

To the maximum extent permitted by law, the Client agrees to limit the liability of Four Corners Geoscience for the Client's damages to the total compensation received unless other arrangements are made in writing. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

DR-clay + particulates Hoier-Particulates in Sol. in VOA