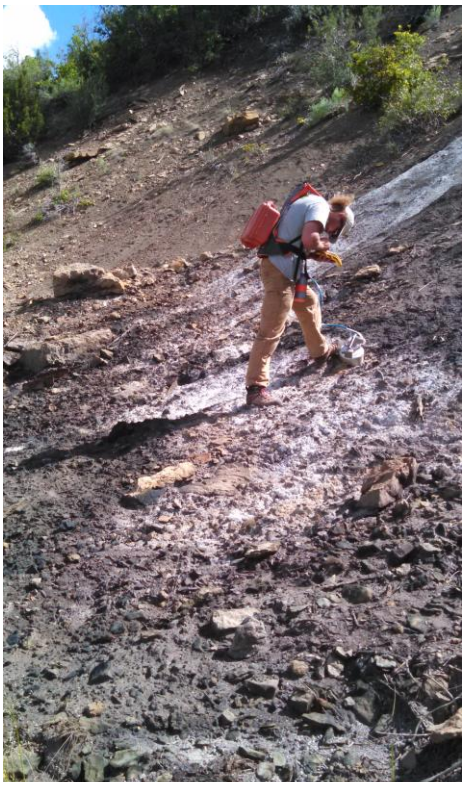
2015 FRUITLAND OUTCROP MONITORING REPORT

LA PLATA COUNTY, COLORADO

SEPTEMBER 2015



Prepared for:

THE GROUP
La Plata County, Colorado

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Prepared by:

LT ENVIRONMENTAL, INC.
Four Corners Office
2243 Main Avenue, Suite 3
Durango, Colorado 81301
(970) 385-1093

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EXECUTIVE SUMMARY

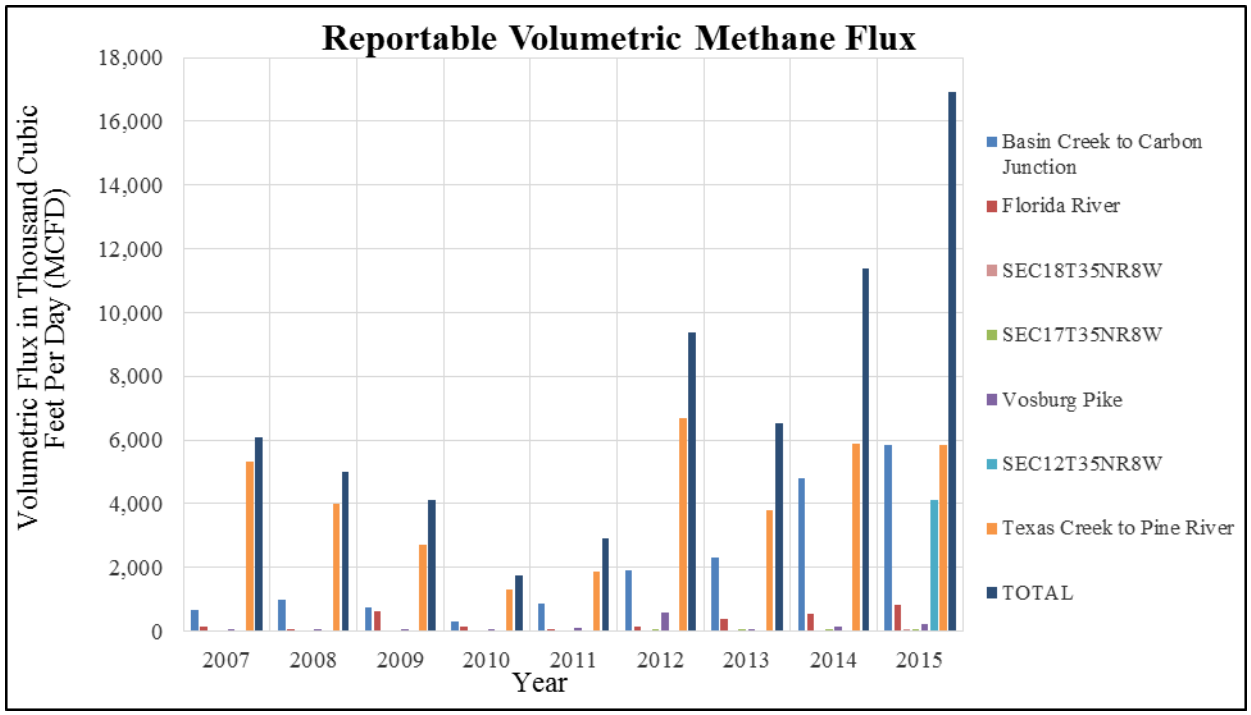
This 2015 Fruitland Outcrop Monitoring Report has been prepared on behalf of Chevron Corporation (Chevron), BP, Inc. (BP), and XTO Energy, Inc. (XTO). These companies are collectively referred to as "The Group". The Fruitland Formation (Kf) outcrop monitoring is conducted in order to comply with the 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 2015 methane seep survey was conducted over 1,127 acres of the Kf outcrop from June 1, 2015 through September 8, 2015. 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 2015 the methane flux was calculated at 16,903 MCFD. Seep area Sec12T35NR8W was identified during the 2014 regional reconnaissance and contributed 4,114 MCFD to the total volumetric flux during the 2015 flux survey and accounts for 24% of the total estimated methane flux.

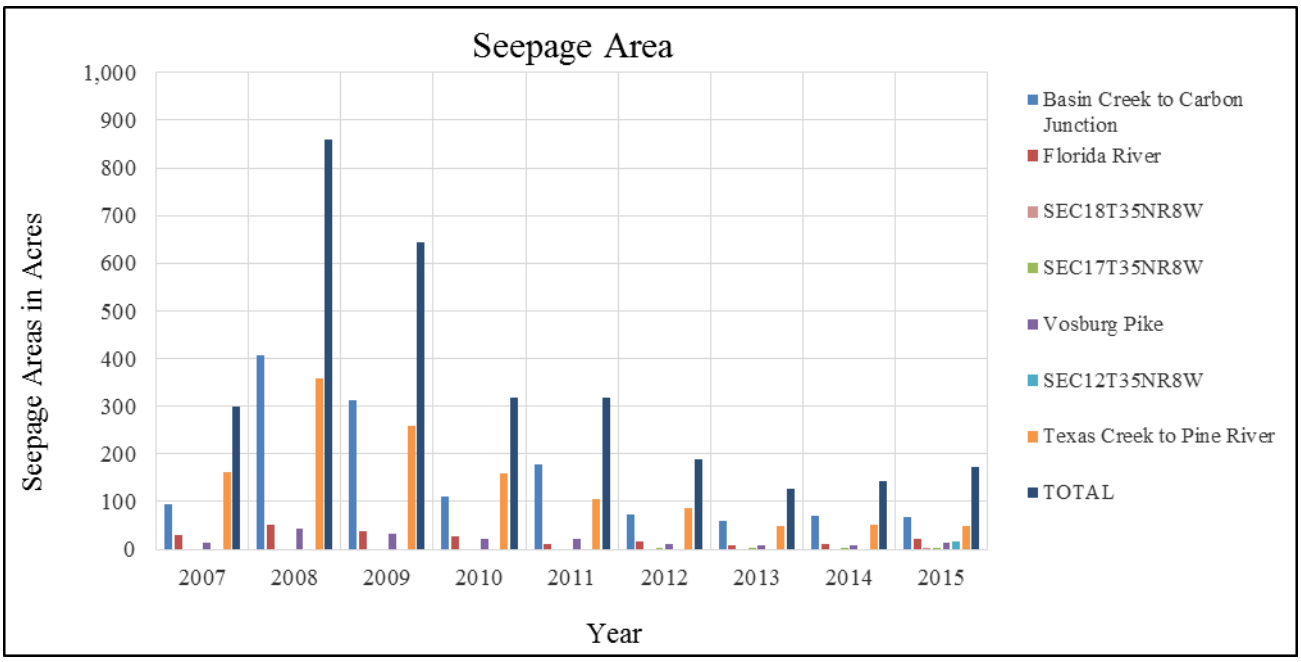
The mitigation system at SFTC appears to have an effect on the methane flux results for its area. While the mitigation system does capture methane gas, it is not capable of capturing all of the methane gas within the footprint of the collection system. As a result, the collection system appears to have 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, and 2015 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 2015 was 16,903 exceeding the highest methane flux since use of the flux meter began in 2007 and continued the net upward trend observed since 2011.

The seepage area from 2011 to 2015 decreased by 45% (see graph below). When comparing the 2015 monitoring event to the 2009 monitoring event where the mapped area is similar, the seepage areas decreased by approximately 72%. 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.



The total estimated volumetric carbon dioxide flux for the mapped areas on the Kf outcrop in La Plata County in 2015 was 4,338 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 spring identified along the Kf outcrop in La Plata County, four natural springs were sampled in May and June of 2015 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 2015 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 2016 to observe changes in subsurface methane over time and space. Grid spacing will be revised based on 2015 results;
- Sample natural springs every year to assess any changes in the flow rates and/or the chemistry of natural springs. The next natural spring sampling event will be Spring 2016; and

- Conduct the next regional reconnaissance IR imagery aerial survey in 2017 to identify any changes to the methane seepage along the Kf outcrop in La Plata County.

1.0 INTRODUCTION

This 2015 Fruitland Outcrop Monitoring Report has been prepared on behalf of Chevron Corporation (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 Pine River, this survey identified four additional primary methane gas seepage areas including Basin Creek, Carbon Junction, Florida River, and South Fork Texas Creek (SFTC);
- Installation of 162 permanent soil gas monitoring probes by LTE in 1997, with additional probes installed at various locations since 1997, and ongoing monitoring of the points by the BLM. The probes are sampled by the BLM approximately six times per year;

- Installation of six flux chambers in the primary seep areas and periodic monitoring of the flux chambers from 1998 to 2005. The flux chambers have since been removed;

- Annual pedestrian reconnaissance surveys of the Kf outcrop by LTE from 1998 through 2001;

- Detailed seep mapping and an infrared (IR) imagery pilot study performed in August 2002. The pilot study demonstrated that IR imagery is useful in identifying suspect areas based on stressed vegetation, which can be subsequently field verified for the presence or absence of methane;

- Detailed methane seep mapping in the known seep areas in October 2002, May 2003, May 2004, June 2005, May 2006, September 2007, June 2008, June 2009, June 2010, June 2011, June 2012, June 2013, June 2014, and June 2015;

- 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, and May 2015;

- Private Airborne Natural Gas Emission Lidar (ANGEL) data acquisition by ITT Corporation (ITT) during the summer of 2008;

- Installation of methane mitigation systems at SFTC and at Pine River 2009;

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

- Methane investigation completed at SFTC 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, then measured the rate of seepage lost through a focused methane flux survey June 2015.

1.4 SCOPE OF WORK

The scope of work for the 2015 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 2015 status of property access is presented in Table 1.

2.2 PROJECT AREA

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

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

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

2.3 DETAILED MAPPING

The grids for detailed mapping areas consisted of a varying number of squares, ranging in area from 2,500 square feet (ft^2) to 40,000 ft^2. In general, 50-foot and 200-foot grid 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, 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 or shipped to the laboratories under chain-of-custody protocols.

The natural spring water samples were collected and submitted to Four Corners Geoscience, Inc. for analysis of dissolved methane. General water chemistry samples were submitted to Green Analytical Laboratories.

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 methane flux points next to each shut-in/abandoned production well utilizing the flux meter. If methane was detected in soil, the seep area was then delineated in all four directions.

3.0 DETAILED MAPPING RESULTS

This section describes the results of the detailed flux mapping conducted from June 1, 2015, through September 8, 2015, in 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 2015 monitoring event.

Methane and carbon dioxide flux measurements are summarized by Kf outcrop areas of interest in Tables 2 and 3. Methane flux measurements are presented on Figure 2. Carbon dioxide flux measurements are presented on Figure 3. 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 2015 monitoring event recorded methane flux above the reportable limit (0.2 mol/m^2·day) at 168 of the 1,469 (11.4 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 6,588 mol/m^2·dayin the Texas Creek to Pine River mapping area. Methane flux results for each location of interest are discussed in Section 3.5.

3.2 OVERALL CARBON DIOXIDE RESULTS

The 2015 monitoring event detected carbon dioxide flux at 1,458 of the 1,469 (99.2%) 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 142 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

Hydrogen sulfide flux (though only slightly above sensor detection limits) was recorded at 258 sample locations. The flux meter is a highly sensitive field meter capable of detecting very low flux rates of hydrogen sulfide resulting in 214 points (14.5%) 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 2015 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 2015 was 16,903 MCFD. The total estimated volumetric carbon dioxide flux for

the mapped areas on the Kf outcrop in La Plata County in 2015 was 4,338 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, 2015, and June 25, 2015.

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 558 flux sample points were measured. The Basin Creek to Carbon Junction survey area has an estimated methane seepage area of approximately 69 acres with a flux rate of 5,827 MCFD. Carbon dioxide was mapped over approximately 469 acres with a total flux rate of 1,455 MCFD.

3.5.2 Florida River

The survey area at Florida River extends approximately 1.5 miles along the Kf outcrop. The Florida River mapping was conducted on June 23, 2015 and June 26, 2015. A total of 113 flux sample points were measured. The Florida River mapping area has an estimated methane seepage area of approximately 21 acres with a total flux rate of 801 MCFD. Carbon dioxide was mapped over approximately 66 acres with a total flux rate of 263 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, 2015. A total of 16 flux sample points were measured. The SEC18T35NR8W seep has an estimated methane seepage area of approximately 2 acres with a total flux rate of 0.05 MCFD. Carbon dioxide was mapped over approximately 4 acres with a total flux rate of 1.30 MCFD.

3.5.4 SEC17T35NR8W

The survey area at SEC17T35NR8W is located in Section 17, Township 35 North, Range 8 West, located between the SEC18T35NR68W and Vosburg Pike mapping areas. The SEC17T35NR8W mapping was conducted on July 9, 2015. 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 75 MCFD. Carbon dioxide was mapped over approximately 4 acres with a total flux rate of 25 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 10 and July 17, 2015.

A total of 85 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 234 MCFD. Carbon dioxide was mapped over approximately 74 acres with a total flux rate of 471 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 in time for the 2015 methane flux survey. 2015 was the first time flux measurements had been collected in the SEC12T35NR8W area. The SEC12T35NR8W mapping area has an estimated methane seepage area of approximately 17 acres with a total flux rate of 4,114 MCFD. Carbon dioxide was mapped over approximately 70 acres with a total flux rate of 306 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 29 and July 9, 2015.

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 Texas Creek West. The main seep area within SFTC and 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 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 581 flux sample points were measured. The Texas Creek to Pine River survey area has an estimated methane seepage area of 50 acres with a total flux rate of 5,852 MCFD. Carbon dioxide was mapped over approximately 414 acres with a total flux rate of 1,817 MCFD.

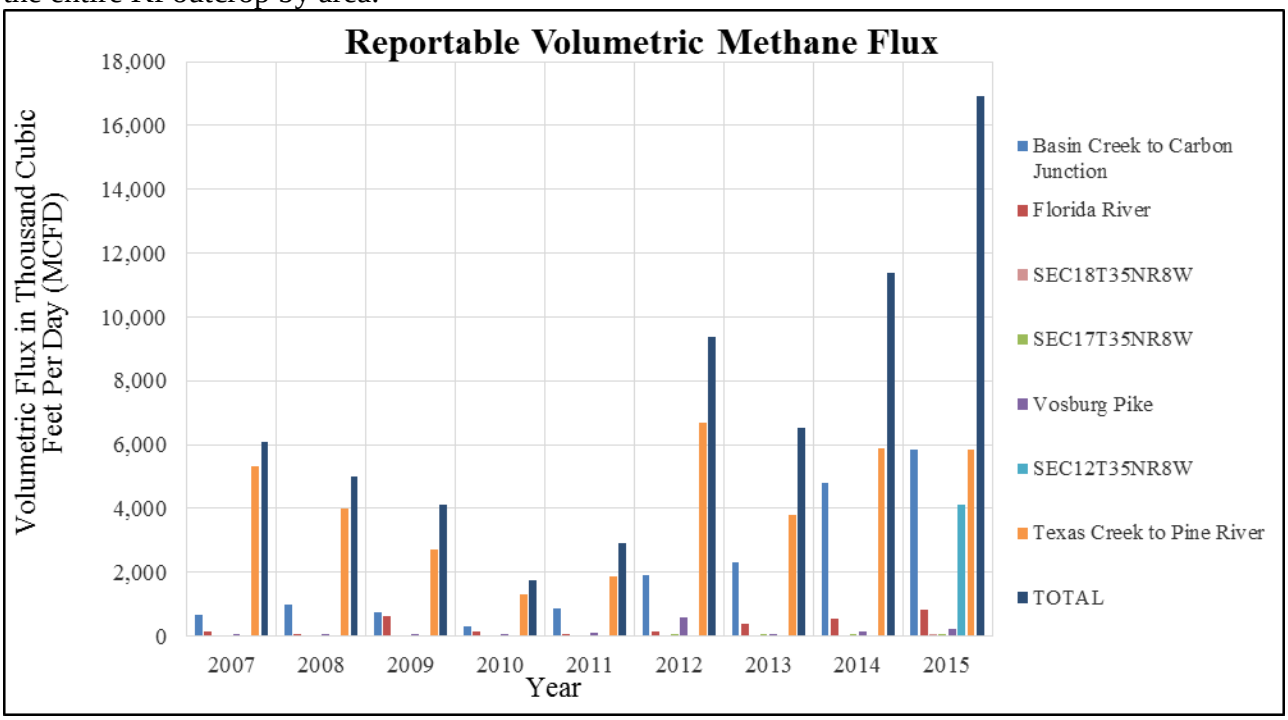
3.6 HISTORICAL FLUX DATA COMPARISON

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, and 2015 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 4 of the 6 main areas surveyed. In 2015 the total methane flux increased to 16,903 MCFD, an increase of 48% from 2014 and the highest total methane flux recorded since first using the flux meter in 2007. The increase in methane flux from 2014 to 2015 can be attributed to flux increases in the Basin Creek to Carbon Junction and Florida River areas as well as the addition of seep area Sec12T35NR8W. Sec12T35NR8W was identified during the 2011 and 2014 regional reconnaissance surveys and contributed 4,114 MCFD methane, accounting for 24% of the total volumetric methane flux during the 2015 flux 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

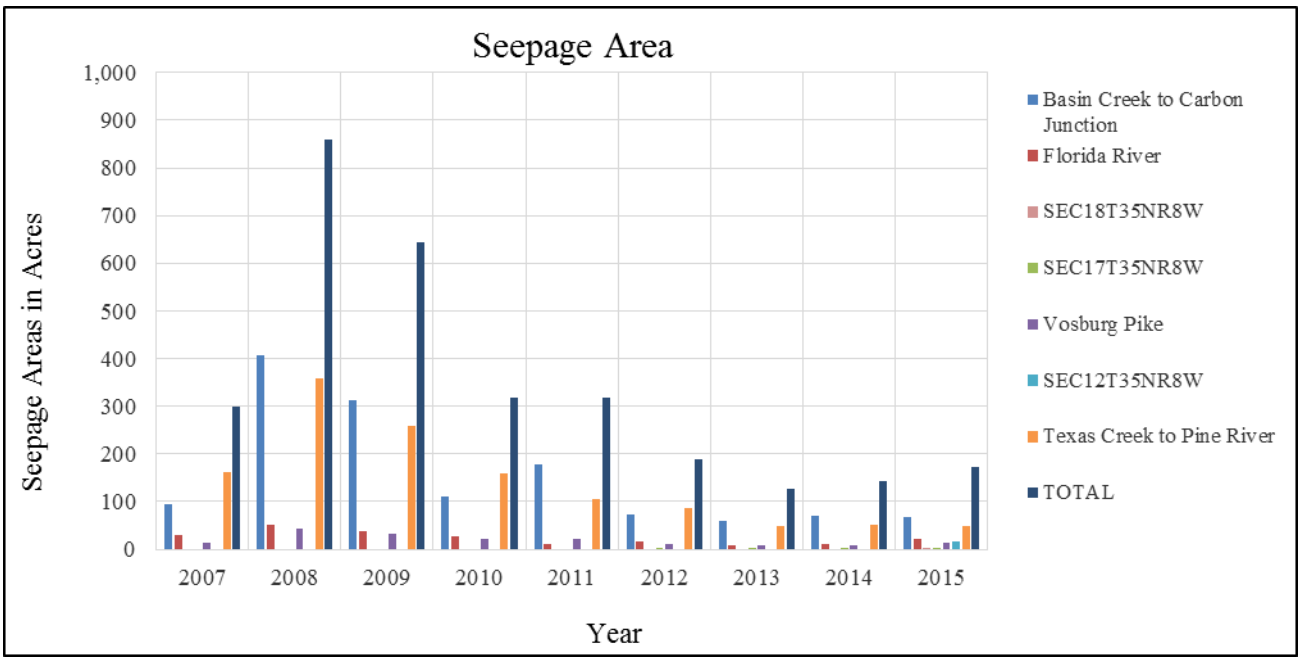
footprint with a rapid decrease in methane flux values moving away from the system footprint. These elevated flux values affected interpolation and flux estimation in 2012 as described above and biased the results high. The additional flux points in the vicinity of the mitigation system in 2013, 2014, and 2015 appears 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 2015 was 16,903 exceeding the highest methane flux since use of the flux meter began in 2007 and continued the net upward trend observed since 2011.

The seepage area from 2011 to 2015 decreased by 45% (see graph below). When comparing the 2015 monitoring event to the 2009 monitoring event where the mapped area is similar, the seepage areas decreased by approximately 72%. 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, and 6 depict methane seepage extent compared to the survey area from 2007 through 2015. Table 3 summarizes the changes in seepage area extent and the methane flux from 2007 through 2015. 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 10 natural springs have been previously identified on the Kf outcrop in La Plata County north of the SUIT boundary. Two new natural springs, Animas River Spring and Vosburg Pike Spring, were identified in 2015. Four of the 12 natural springs were sampled during the 2015 sampling event, while property access was denied for five natural springs, one natural spring had no flow to sample, and two were dry at the time of sampling.

The locations of natural springs are presented on Figure 7. A summary of natural springs sampled in 2015, along with past natural springs sampling status, is presented in Table 4.

4.1 FIELD OBSERVATIONS

Discharge rates and field parameters were measured at four natural springs (Darwin Rather Spring #1, Hoier Spring, Animas River Spring, and Gun Club Spring), which were sampled in May and June 2015. Noticeable bubbling at the Gun Club Spring was observed while sampling the natural spring in 2015. The 2015 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.

In 2015, dissolved methane was detected in the Gun Club Spring natural spring water sample at a concentration of 2.50 mg/L dissolved methane was also detected in the Gun Club Spring in 2013 and 2014. In 2013, LTE collected a water sample from the Gun Club Spring for compositional and isotopic analysis by Isotech Laboratories of Champaign, Illinois. Results of the isotopic analyses indicated the methane present in the Gun Club Spring appears to be thermogenic in origin. During the 2015 spring sampling dissolved methane was also detected in the Hoier Spring at a concentration of 1.14 mg/L. Dissolved methane was also detected in the Hoier Spring in 2006, and 2013. 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.

Based on the water chemistry of the four natural springs in 2015, the waters are calcium carbonate in make up for the Darwin Rather Spring #1 and Hoier Spring while the water make-up of the Gun Club Spring and Animas Spring is magnesium sulfate. Figure 7 depicts the Tri-linear diagrams and Stiff diagrams for the four 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 2015 natural spring sampling event, one subsurface soil gas measurement was collected at each of the four 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 measured natural springs with. Methane in the subsurface has historically been documented in the vicinity of the Gun Club Spring.

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 July 1, 2015, Federal 34-1/2-34-1 was surveyed on June 25, 2015, and Baird 1-25 was surveyed on June 25, 2015. 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. 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 (Figure 2). Methane was not detected above the reportable limit at any sample location.

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 2015 the methane flux was calculated at 16,903 MCFD. Seep area Sec12T35NR8W was identified during the 2014 regional reconnaissance and contributed 4,114 MCFD to the total volumetric flux during the 2015 flux survey and accounts for 24% of the total estimated methane flux.

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, and 2015 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 2015 decreased by 45%. When comparing the 2015 monitoring event to the 2009 monitoring event where the mapped area is similar, the seepage areas decreased by approximately 72%. 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.

The total estimated volumetric carbon dioxide flux for the mapped areas on the Kf outcrop in La Plata County in 2015 was 4,338 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 spring identified along the Kf outcrop in La Plata County, four natural springs were sampled in May and June of 2015 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 2015 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 2016. LTE will return to the sample locations visited during the 2015 field activities to observe changes in subsurface methane over time and space. Grid spacing will be revised based on 2015 results;

- Sample natural springs every year to assess any changes in the flow rates and/or the chemistry of natural springs. The next natural spring sampling event will be Spring 2016; and

- 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.

7.0 REFERENCES

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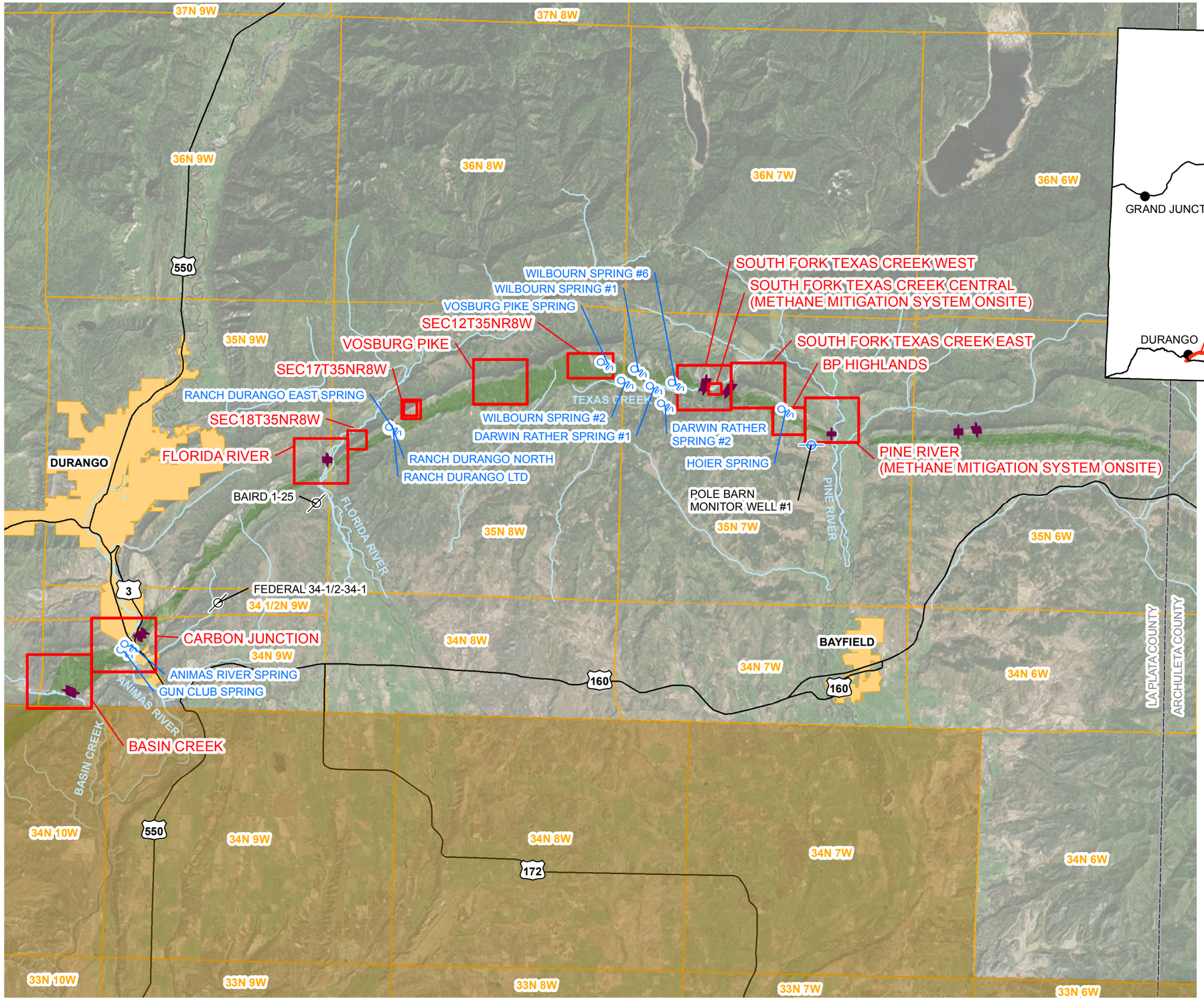
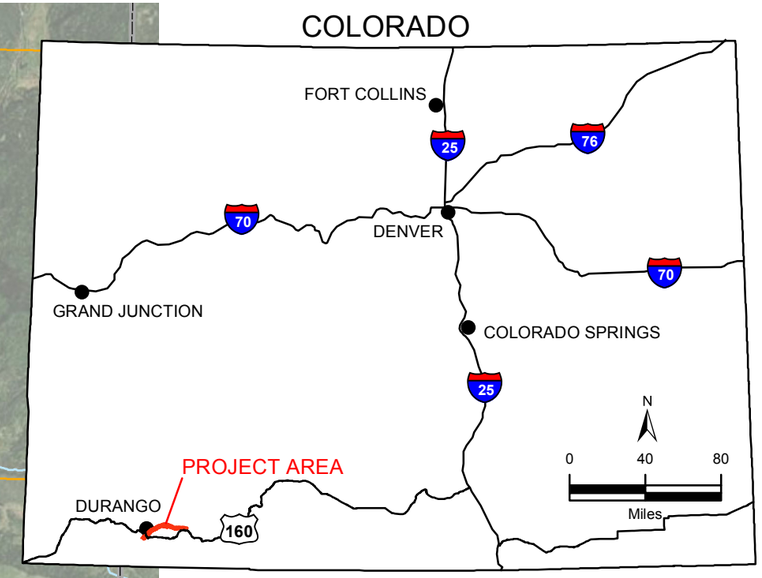
FIGURES





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

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FIGURE 1
PROJECT AREA MAP
2015 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2015\2015_FIG 01 PROJ AREA.mxd

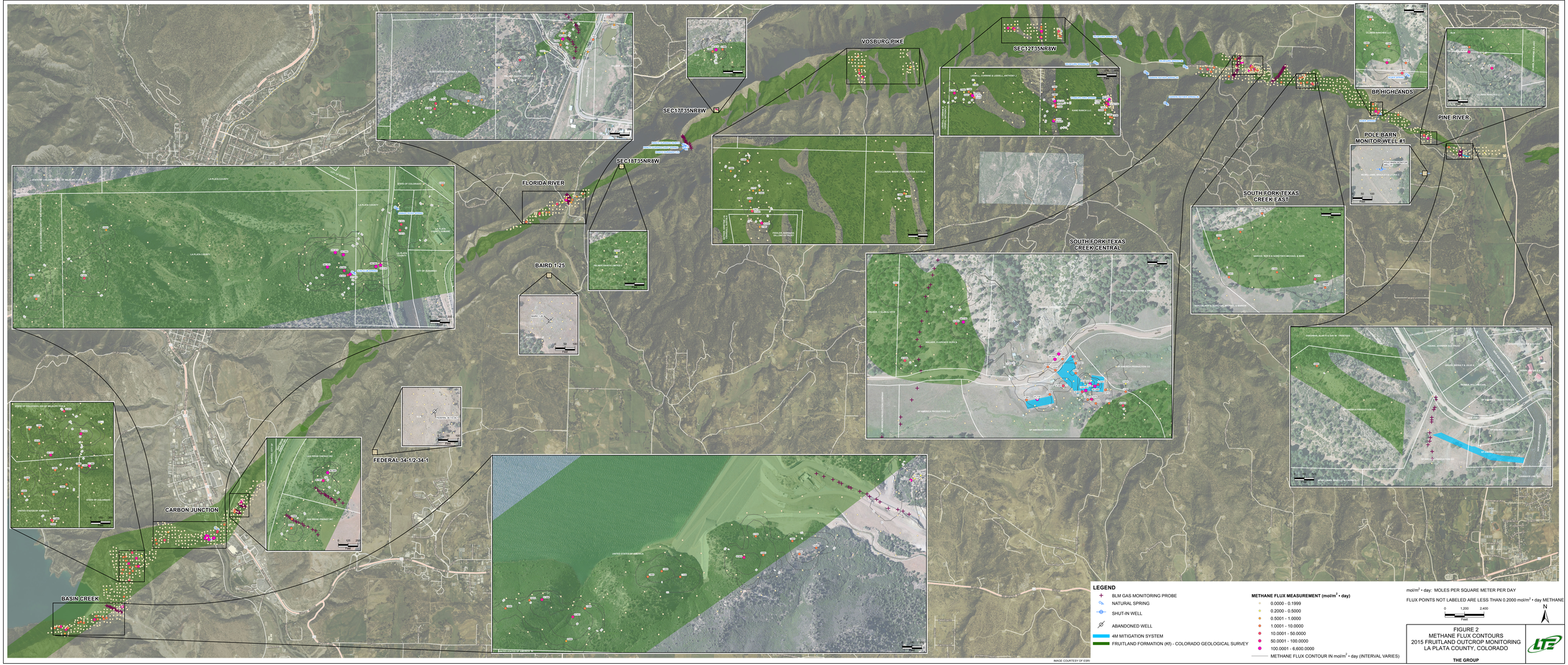
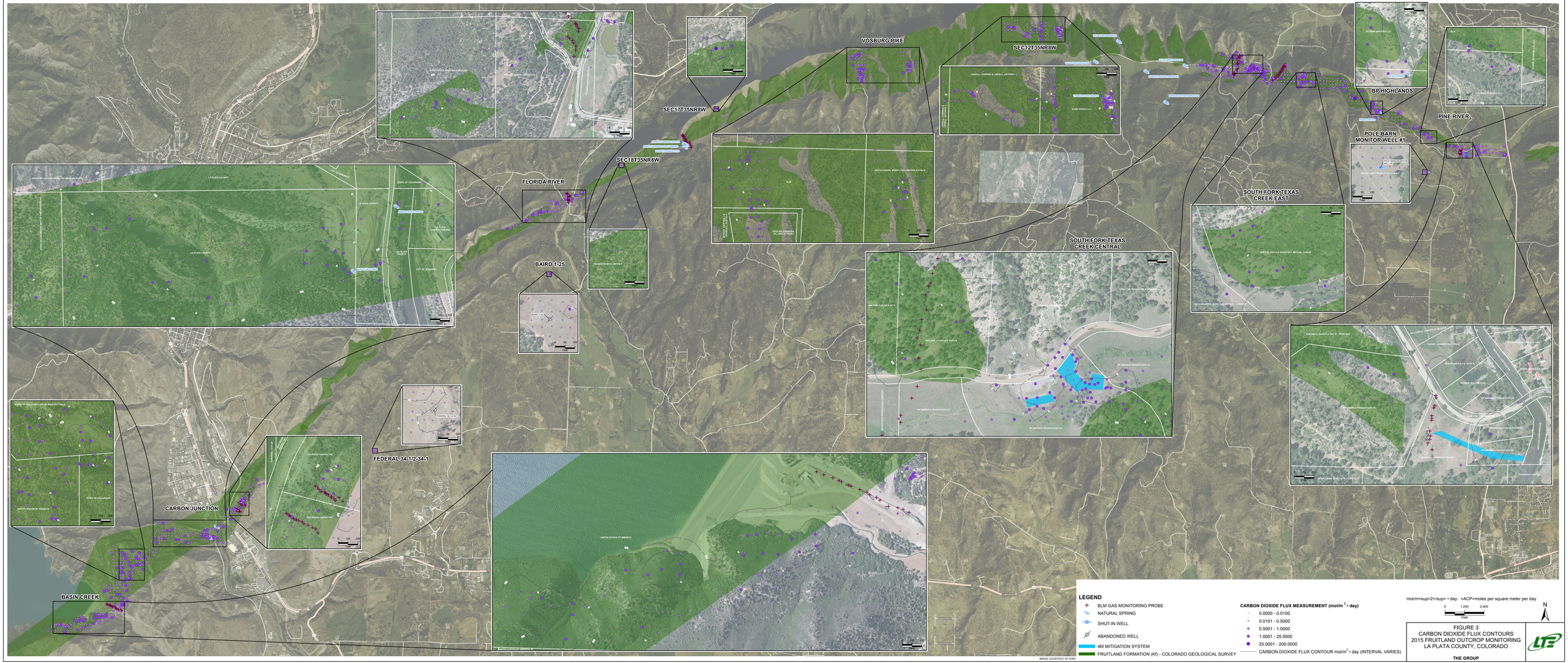


FIGURE 2
METHANE FLUX CONTOURS
2015 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP



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 CONTOUR mol/m^2 • day (INTERVAL VARIES)

mol/m² • day: <ACP>moles per square meter per day

0 1,200 2,400 Feet

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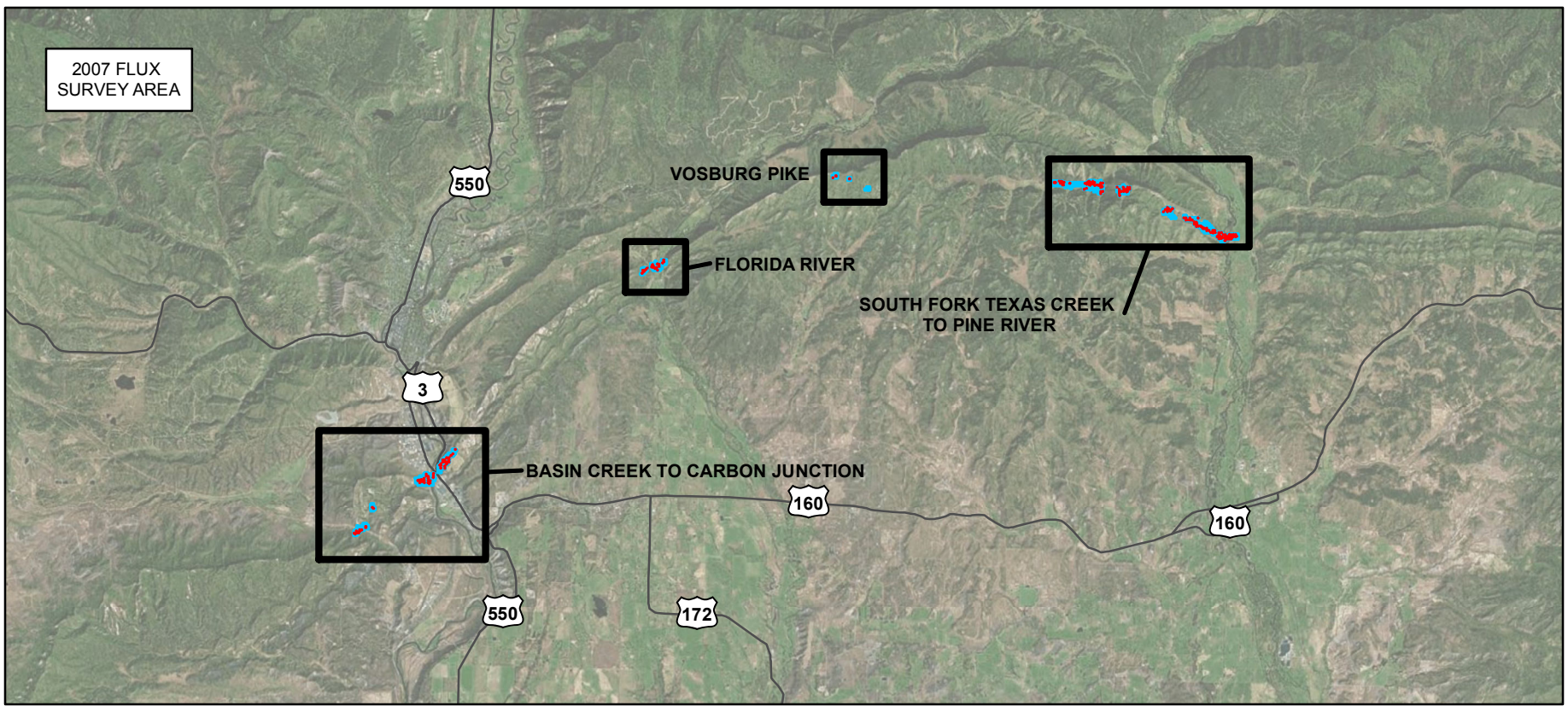
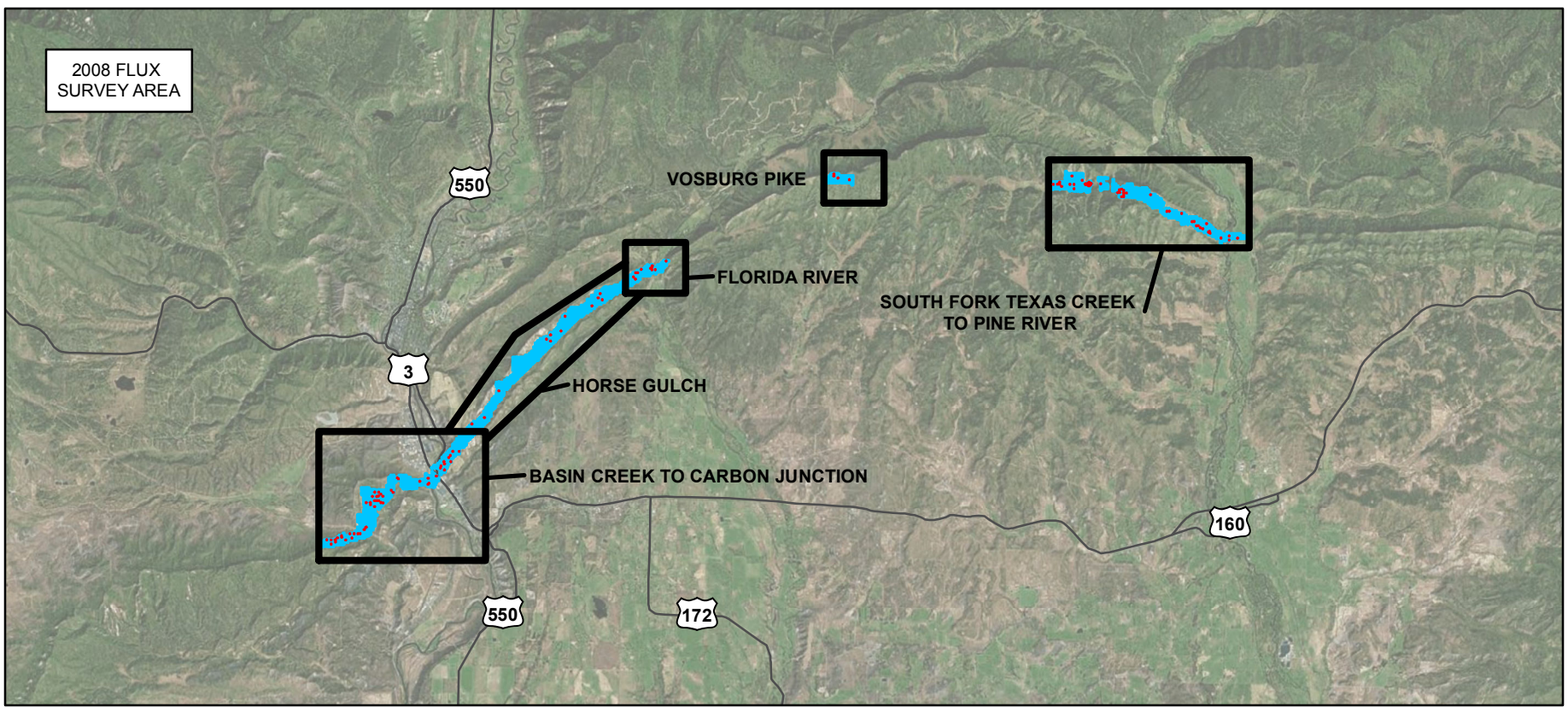
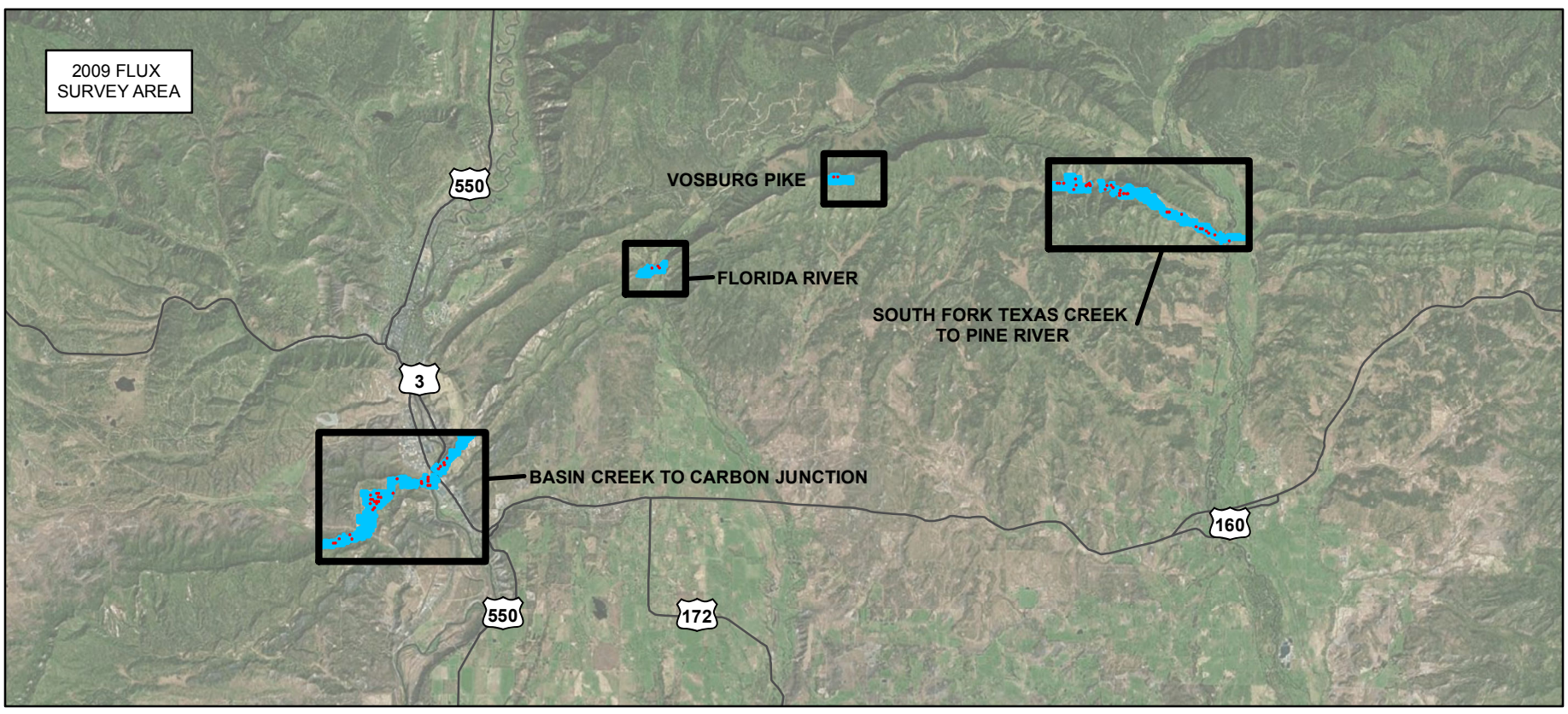
FIGURE 3
CARBON DIOXIDE FLUX CONTOURS
2015 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP







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

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

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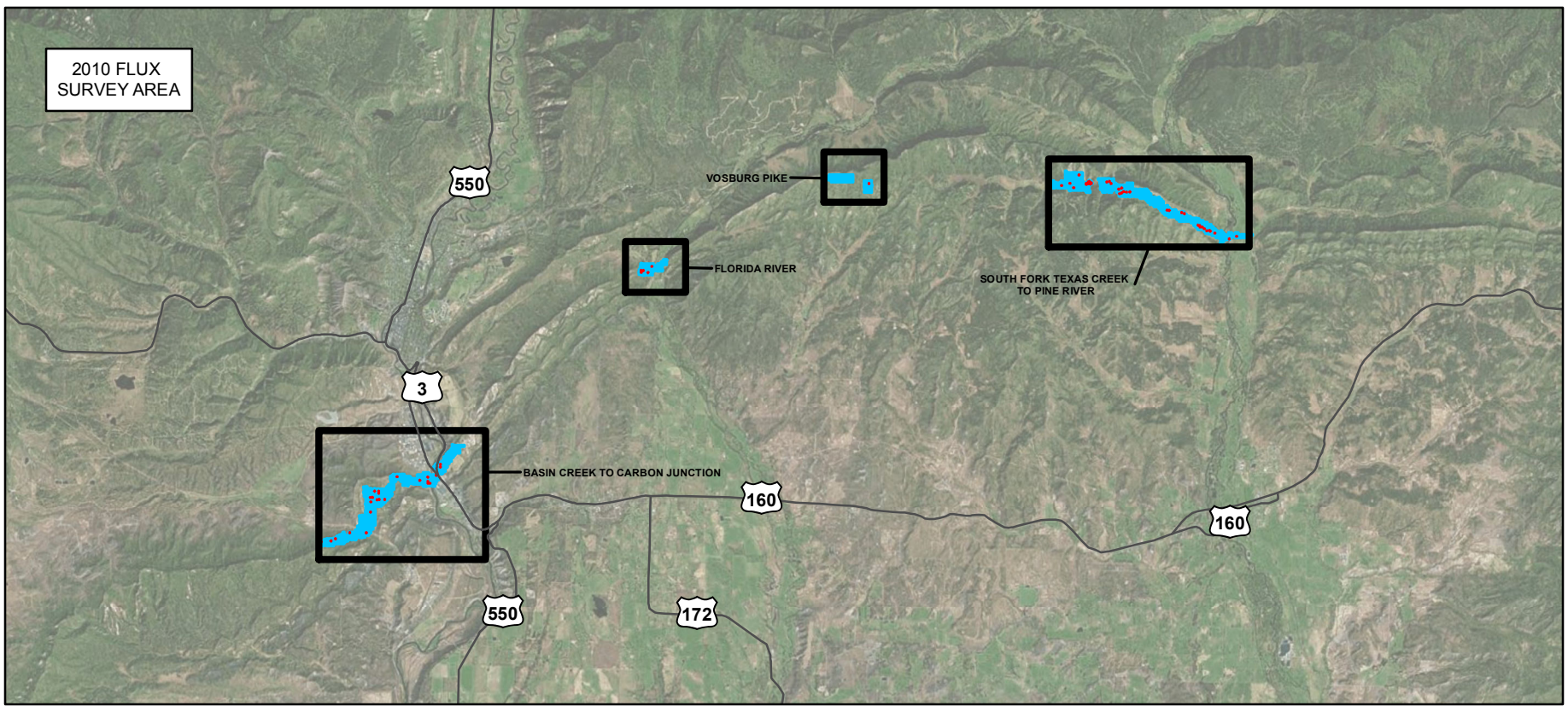
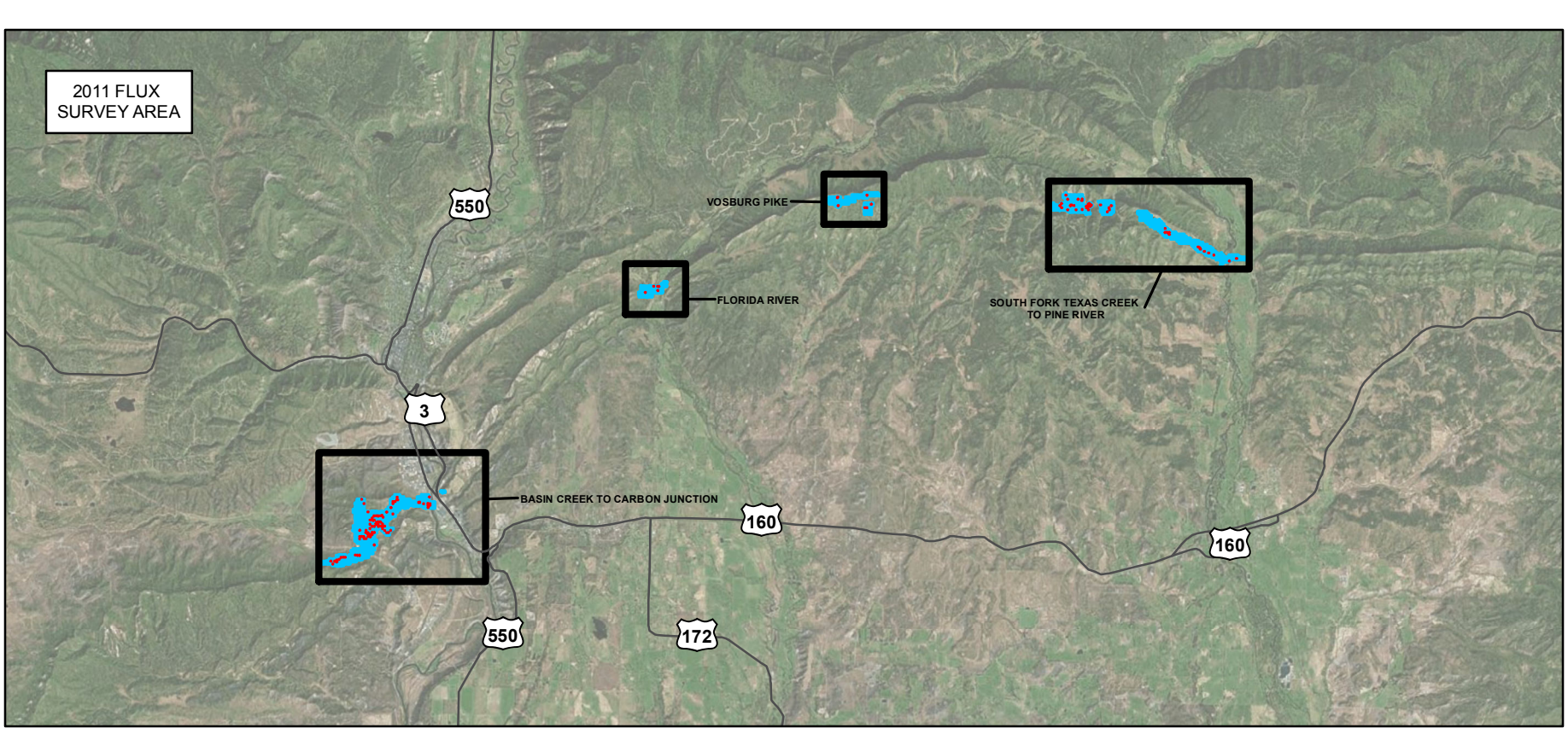
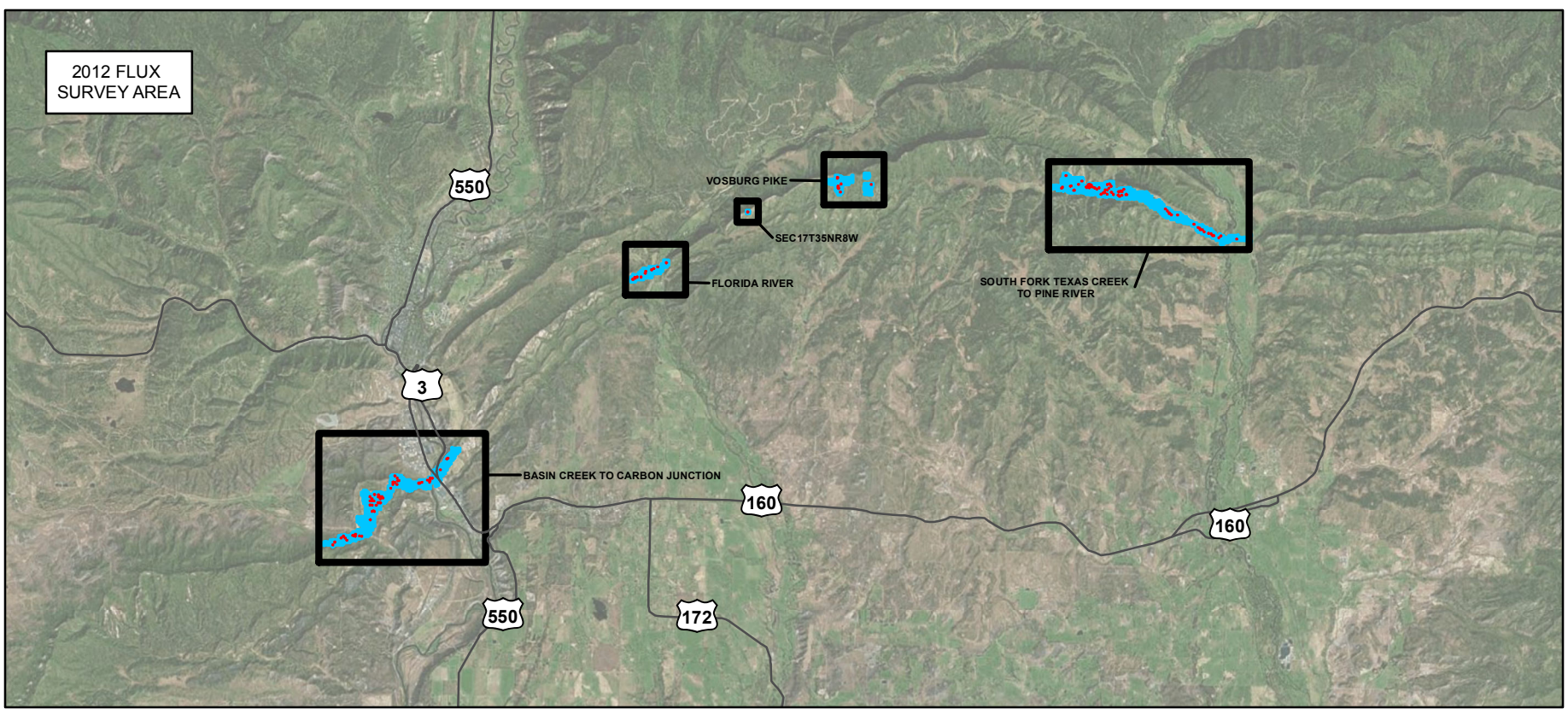
FIGURE 4
METHANE FLUX COMPARISON 2007-2009
2015 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2015\2015_LAPLATA_FIG 04 CH4 COMP 2007-2009.mxd







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 4 FOR 2007, 2008, & 2009 METHANE FLUX COMPARISON
SEE FIGURE 6 FOR 2013, 2014, & 2015 METHANE FLUX COMPARISON

IMAGE COURTESY OF ESRI

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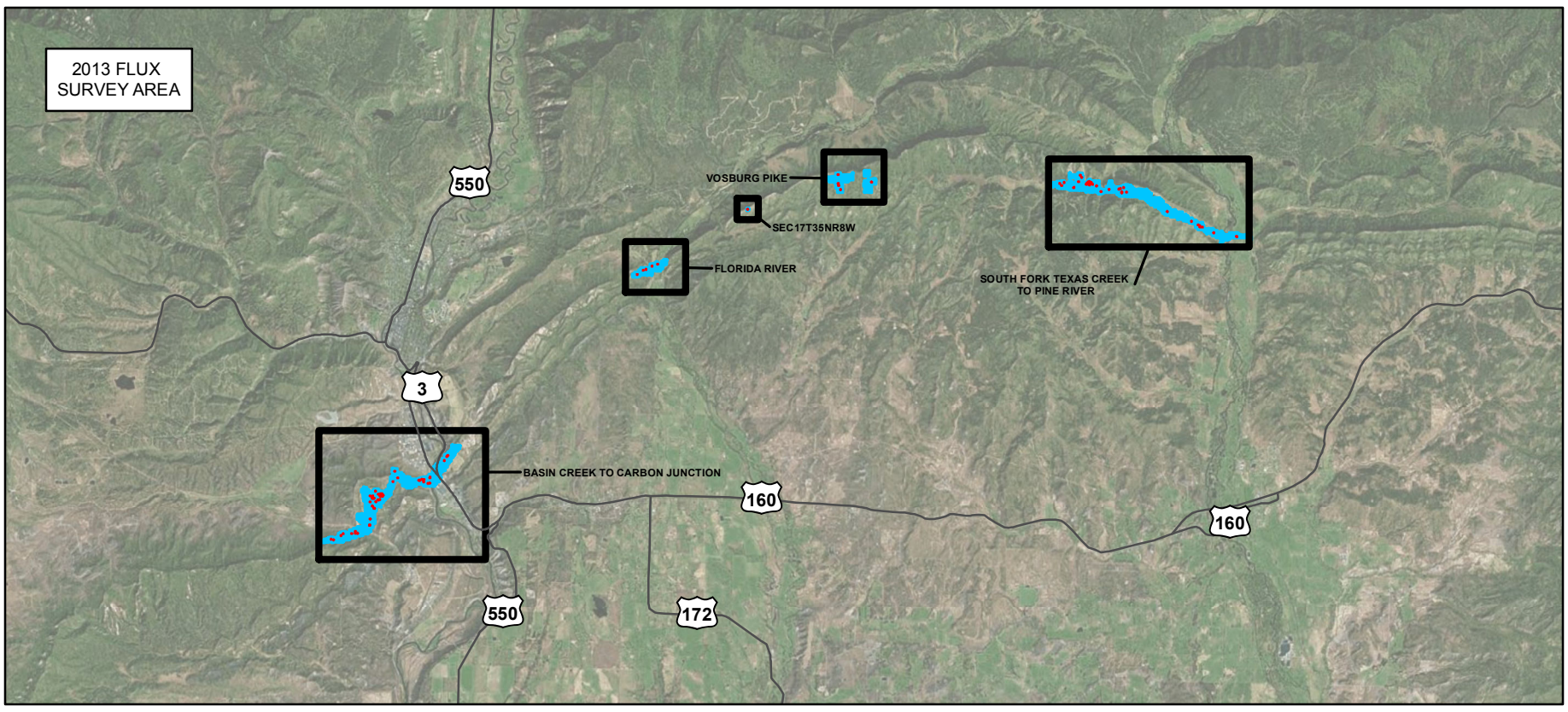
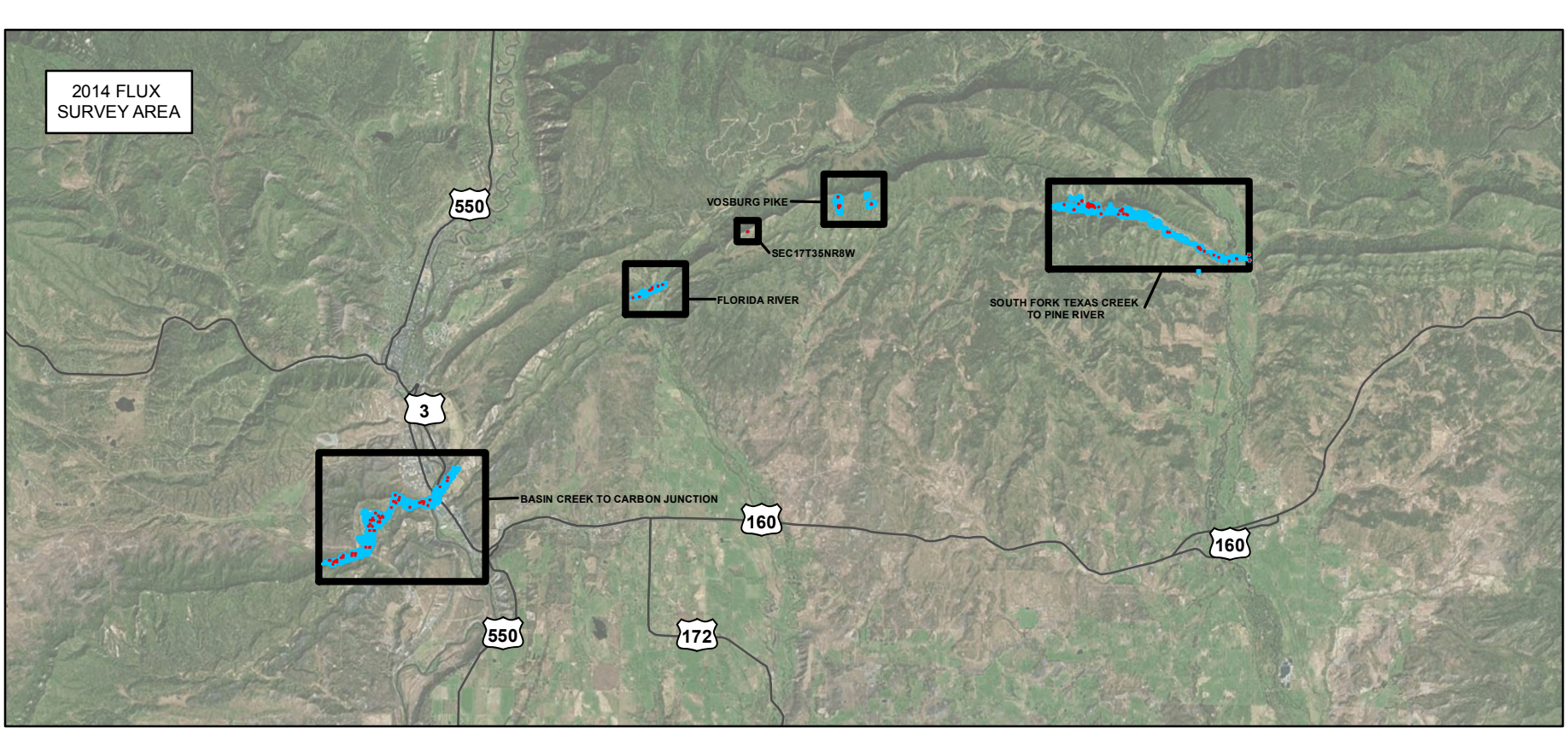
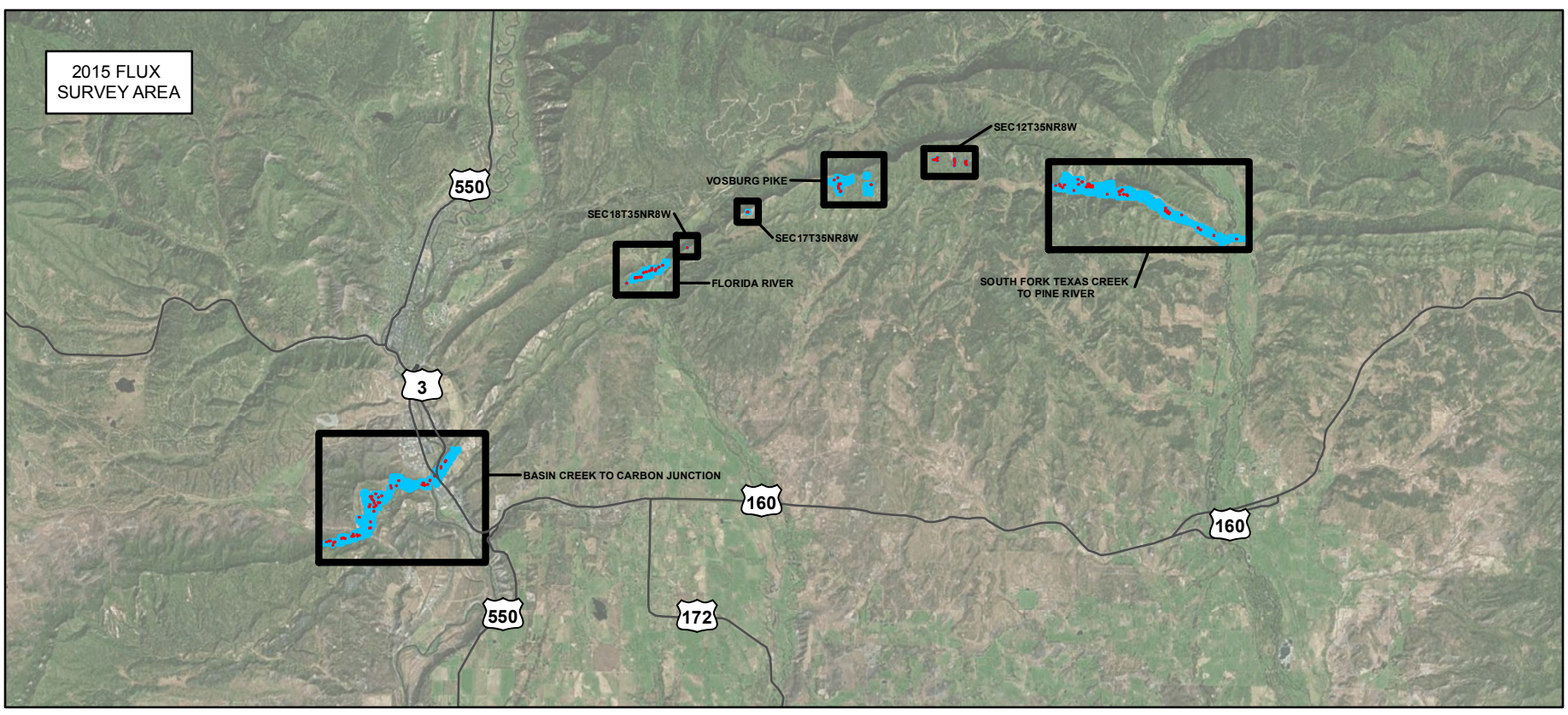
FIGURE 5
METHANE FLUX COMPARISON 2010-2012
2015 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2015\2015_LAPLATA_FIG 05 CH4 COMP 2010-2012.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

SEE FIGURE 4 FOR 2007, 2008, & 2009 METHANE FLUX COMPARISON
SEE FIGURE 5 FOR 2010, 2011, & 2012 METHANE FLUX COMPARISON

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FIGURE 6
METHANE FLUX COMPARISON 2013-2015
2015 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

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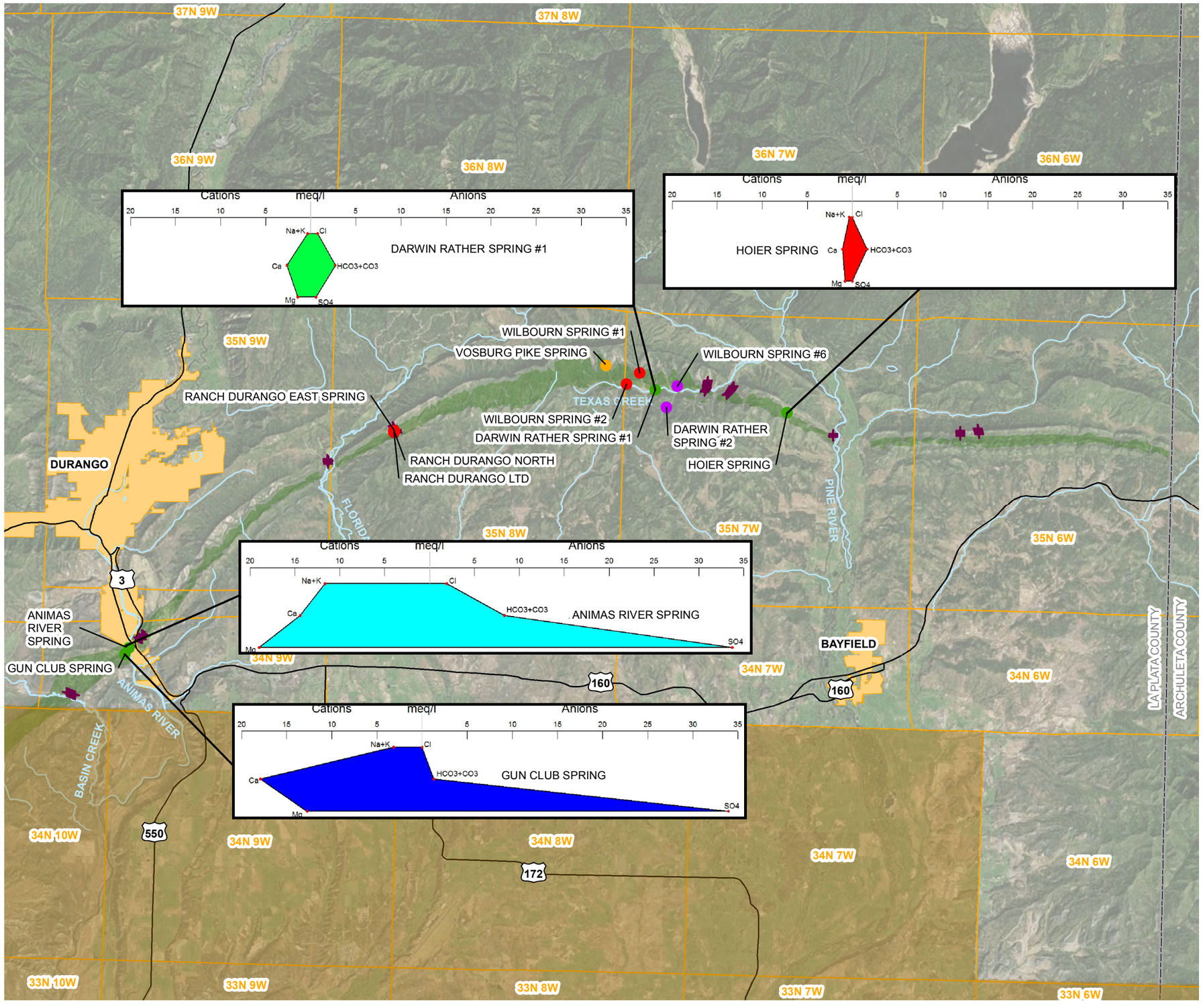

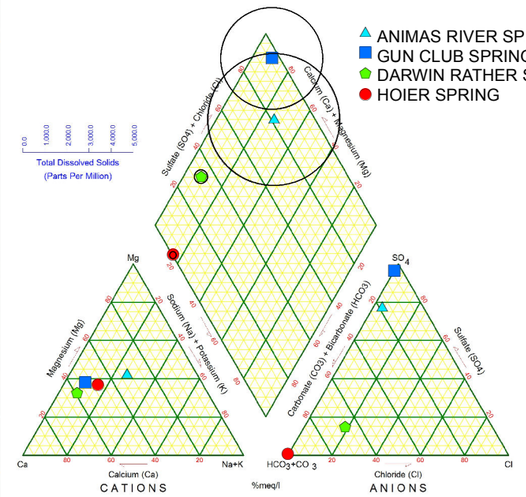

LEGEND

- 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

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FIGURE 7
NATURAL SPRINGS
2015 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Subgas_Flux\2015\2015_LAPLATA_FIG 07 NATURAL SPRINGS.mxd

TABLES

TABLE 1
PROPERTY ACCESS STATUS
2015 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

PERCEL NUMBER(S)	LANDOWNER NAME	CITY, STATE ZIPCODE
567507400270	DARWIN & MAXINE RATHER	BASALT, CO 81621
567507200277	JEFFERY & NANCY MITCHELL	FARMINGTON, NM 87401
567508300307	PHILIP JAMES & LUCY BRYSON	BAYFIELD, CO 81122
567509200375	RONALD & DARLENE FINCHER	BAYFIELD, CO 81122
567111300824	SHERI LYNN & ETALS MCCULLOUGH	TEMPE, AZ 85283
566524100054	WILLIAM & SHERRY LOEHR	OJAI, CA 93023
567508300309, 567508300308	WILLIAM & ELIZABETH TULLOCH	RAMONA, CA 92065
567509300144, 567515200183, 567508400193, 567514300017, 567508400263, 567508400169, 567514201008, 567514201016, 567514201004, 567514201007, 567508400192, 567515200183	BP AMERICA PRODUCTION	DURANGO, CO 81301
567509100178	EVERITT-ROBERTS LLC	LAKE JACKSON, TX 77566
567508100113, 567508100165	GLEN & IVY WALKER	BAYFIELD, CO 81122
566524400831, 567119200898, 567118400806	PALMER RANCH LIMITED II	DURANGO, CO 81301
566524100806, 567118300800	MACHO FAMILY TRUST	DURANGO, CO 81301
567110300856	KRISTINE & CRANDALL BETKER	DURANGO, CO 81301
566905400803, 566904200021, 566905100808	CITY OF DURANGO	DURANGO, CO 81301
566905300811, 566905400810, 566905200031	LA PLATA COUNTY	DURANGO, CO 81301
566905100003, 566907100035	STATE OF COLORADO DEPARTMENT OF TRANSPORTATION	DENVER, CO 80222
566904200809, 566904200068, 566904200067	MARC AND JANE KATZ	DURANGO, CO 81301
567110300889	BARBARA FIDDLER	DURANGO, CO 81301
567514300014	BRADLEY & LAURA MCWILLIAMS	HOUSTON, TX 77024
566525100135	JOE L JR BUSBY	DURANGO, CO 81301
566734400007, 567109300185, 567111200305, 567111200305, 567510300070, 567515100018	BLM	LAKEWOOD, CO 80215
566905400024	LA PLATA COUNTY HUMANE SOCIETY	DURANGO, CO 81301
567514100015, 567514100002	REMMOW LAND CO LIMITED PARTNERSHIP	BAYFIELD, CO 81122
566731100023, 566731100023, 566905300033	STATE OF COLORADO DIVISON OF WILDLIFE	DENVER, CO 80216
566524400813, 566524300812	SUBSURFACE MACHINE & MFG INC	DURANGO, CO 81301
567509400065, 567510400009	ULLMAN RANCHES LLC	VALENCIA, CA 91355
566301200180	UNITED STATES OF AMERICA BUREAU OF RECLAMATION	DURANGO, CO 81301
567507300278	MICHAEL DEWITT	BAYFIELD, CO 81122
567119200197	STEPHAN TURNER	DURANGO, CO 81301
594721100030	TRUST FOR SOUTHERN UTE TRIBE	IGNACIO, CO 81137
567514201003	ALAN & GAY FRIEDMAN	TUCSON, AZ 85705
567508200326	BRETT CLARK	PATASKALA, OH 43062
567101300802, 567111100803	CORINNE LIDDELL	RIDGWAY, CO 81432
567514201009	JOEL L BRAME	WILDWOOD, MO 63005
567514201002	RAYMOND & JACI ULMER	CHANDLER, AZ 85224
567509300188, 567509400231	ROY VARCOE & MICHAEL & MARION GORETSKI	WATERFORD, MI 48327
567117301006	THOMAS VILLELLI	COEUR D'ALENE, ID 83815
566524200126	THOMAS & MARY ORSINI	DURANGO, CO 81301
567112100261	KANE RANCH LLC	BAYFIELD, CO 81122
567514201042	NEW AGE CORPORATION	BAYFIELD, CO 81122
566905400032	PENN DCIL LLC	TALPA, TX 76882
567509200167	RICHARD KURTZ	BAYFIELD, CO 81122
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, treated as no access

TABLE 2
METHANE AND CARBON DIOXIDE FLUX MEASUREMENTS SUMMARY
2015 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	558	56	777	550	11.5
Florida River	113	19	463	111	4.3
SEC18T35NR8W	16	1	0	16	0.5
SEC17T35NR8W	13	3	452	13	142
Vosburg Pike	85	11	76	85	8.2
SEC12T35NR8W	103	23	5,743	103	17.4
Texas Creek to Pine River	581	55	6,588	580	56.4
Total	**1,469**	**183**	----------	**1,458**	----------

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

NM - not measured due to no property access at the time of flux survey event

TABLE 3
HISTORICAL METHANE AND CARBON DIOXIDE FLUX COMPARISON
2015 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

	Methane																	
	2007		2008		2009		2010		2011		2012		2013		2014		2015	
Mapping Area	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)	Seepage Area (acres)	Reportable Volumetric Flux* (MCFD)
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
Florida River	30	131	52	27	39	622	26	154	12	45	16	119	8	373	11	529	21	801
Sec18T35NR8W	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1
SEC17T35NR8W	---	---	---	---	---	---	---	---	---	---	2	49	2	9	2	0.43	2	75
Vosburg Pike	14	2	43	11	34	15	23	1	21	115	11	598	8	29	8	147	13	234
SEC12T35NR8W	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	17	4,114
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
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**

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

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
2015 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

Natural Spring	2005	2006	2007	2008		2009		2010	2011	2012	2013	2014	2015
	September	May	October	June	November	May	October	June	May	May	May/June	May	May/June
Animas River Spring	--	--	--	--	--	--	--	--	--	--	--	--	Sampled
Darwin Rather Spring #1	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
Hoier Spring	Not Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Dry	Not Sampled	Not Sampled	Sampled	Sampled	Sampled	Sampled
Gun Club Spring	--	--	--	--	--	--	--	--	--	--	Sampled	Sampled	Sampled
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
Rancho Durango LTD Spring	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	Not Sampled	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
Vosburg Pike Spring	--	--	--	--	--	--	--	--	--	--	--	--	No Flow
Wilbourn Spring #1	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	No Access	No Access	No Access	No Access	Not Sampled	No Access	No Access	No Access
Wilbourn Spring #2	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	No Access	No Access	No Access	No Access	No Access	No Access	No Access	No Access
Wilbourn Spring #6	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	No Access	No Access	No Access	No Access	No Access	Dry	Dry	Dry

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

TABLE 5
NATURAL SPRINGS FIELD MEASUREMENTS
2015 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	--
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
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						
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	14.6	6.34	208.7	--	136.50	0.368	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

TABLE 5
NATURAL SPRINGS FIELD MEASUREMENTS
2015 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						
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						
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						
Vosburg Pike Spring	7/17/2015	No Flow - Not Sampled						

Notes:

°C - degrees Celcius
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 - microSiemens per centimeter
< - less than
> - greater than

TABLE 6
NATURAL SPRINGS DISSOLVED METHANE CONCENTRATIONS
2015 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

	DISSOLVED METHANE (mg/L)												
	2005	2006	2007	2008		2009		2010	2011	2012	2013	2014	2015
Natural Spring	September	May	October	June	October	May	October	June	May	May	May/June	May/June	May/June
Animas River Spring	--	--	--	--	--	--	--	--	--	--	--	--	<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
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
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
2015 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	5.44	<10.0	510	1,620	67.0	2,830
Darwin Rather Spring #1	6/23/2008	65.0	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	20.0	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
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
	5/20/2015	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
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	63.0	15.9	<10.0	79.0	1,630	<100	2,460
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
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
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
Vosburg Pike Spring	7/17/2015	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)

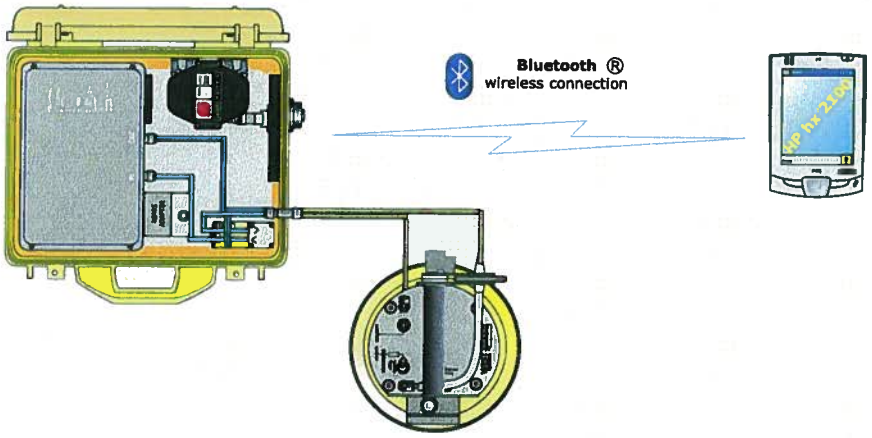
APPENDIX A

EQUIPMENT SPECIFICATIONS

WEST Systems portable soil flux meter

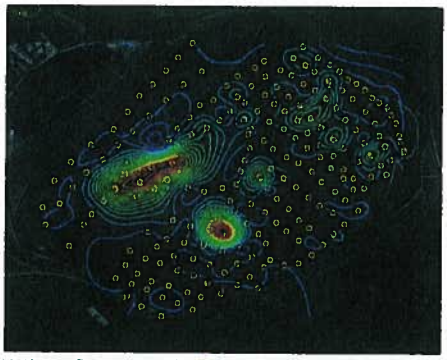
for Carbon dioxide, Methane and Hydrogen sulfide fluxes

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

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

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

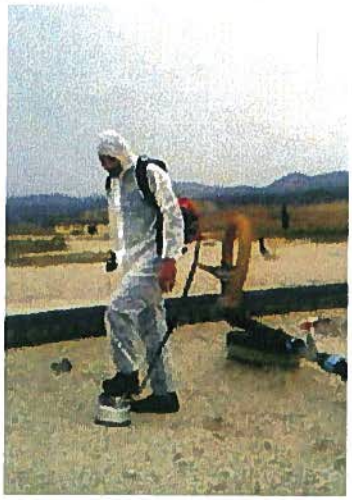
Palm top computer: PocketPC Color Display based on Windows Mobile operating system.
- PalmTop with cables, 0.3 Kg/0.7 lbs.
- Size 125mm (4.8") x 82mm (3.2") * 25 mm (1").

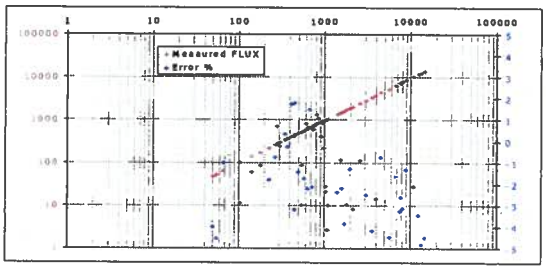
Software The instrument is supplied with a custom software, FluxManager, which allows recording and visualization of the increase in concentration of the target gas in the accumulation chamber, and then the flux calculations. The obtained measurements can be saved on the palmtop computer and then transferred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

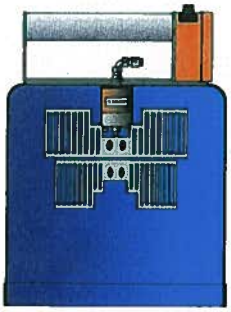
Finally we improved the connection between the instrument and the palmtop that now is based on BlueTooth wireless embedded device.





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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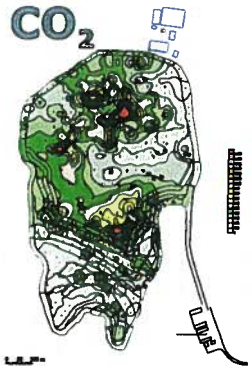


CO_2 - LI820

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.

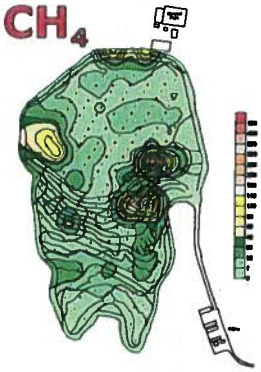
The precision depends on the measured flux:

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%)



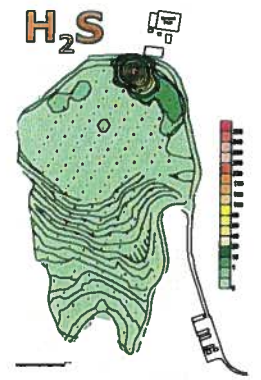
WS-HC CH^4

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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West Systems Srl
Via Molise 3 - Zona Ind. Gello - 56025 Pontedera (PI) Italy
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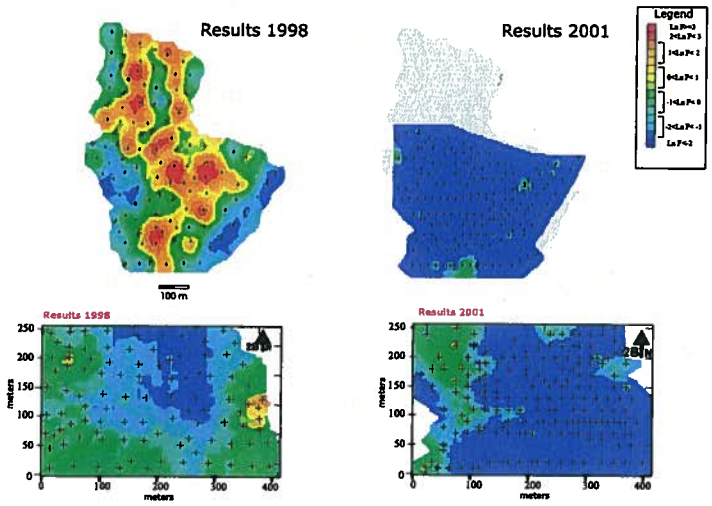
Application on a landfill: mapping the biogas non controlled emissions.

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.

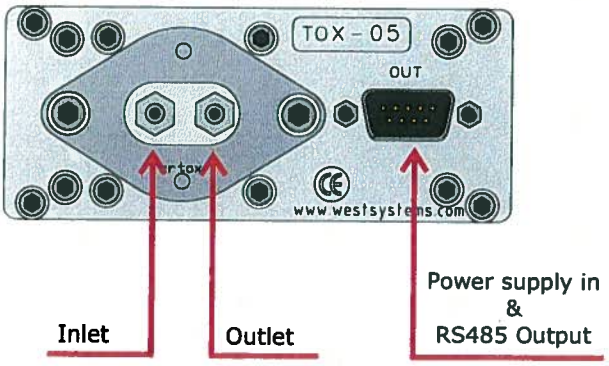
West Systems Srl
Via Molise 3 - Zona Ind. Gello - 56025 Pontedera (PI) Italy
Phone +39 0587 294216 www.westsystems.com (or .it)
Fax +39 0587 296068 g.virgili@westsystems.com (or .it)

Japan

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

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

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)

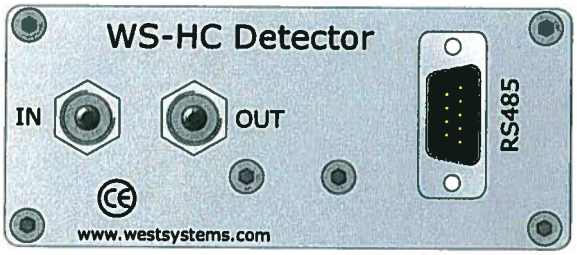
Full scale range is 50000 ppm of methane.

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

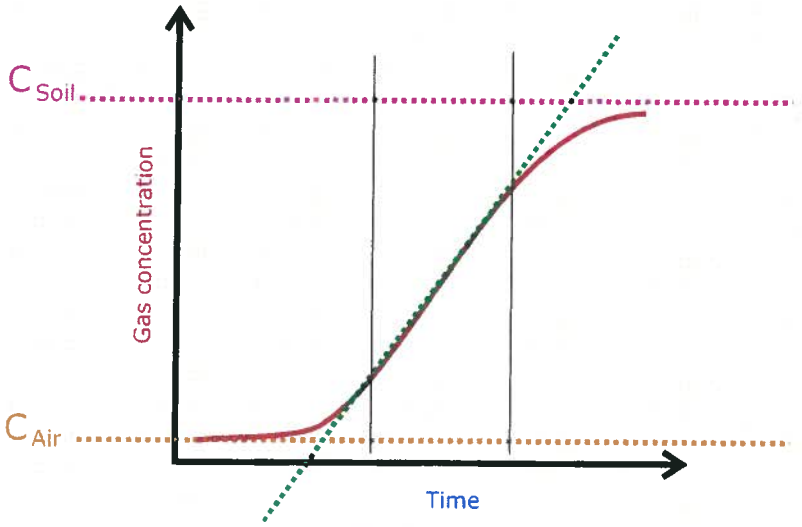
Relative Humidity Range: 0 to 95% RH, Non-Condensing

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:

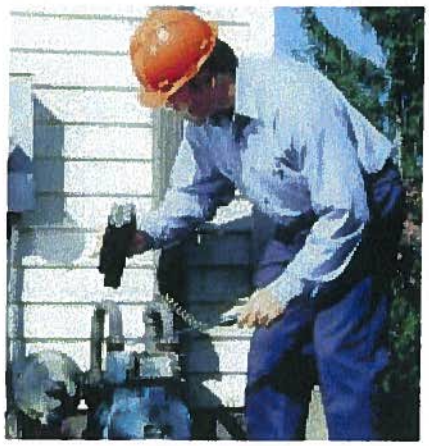
You're using the accumulation chamber B, the slope of the flux curve is 2.5 ppm/sec, the barometric pressure is 1008 mBar (HPa) and the air temperature is 22 °C.
From the table B get the value that correspond to the barometric pressure and temperature. In this case I get the value computed for 25°C and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

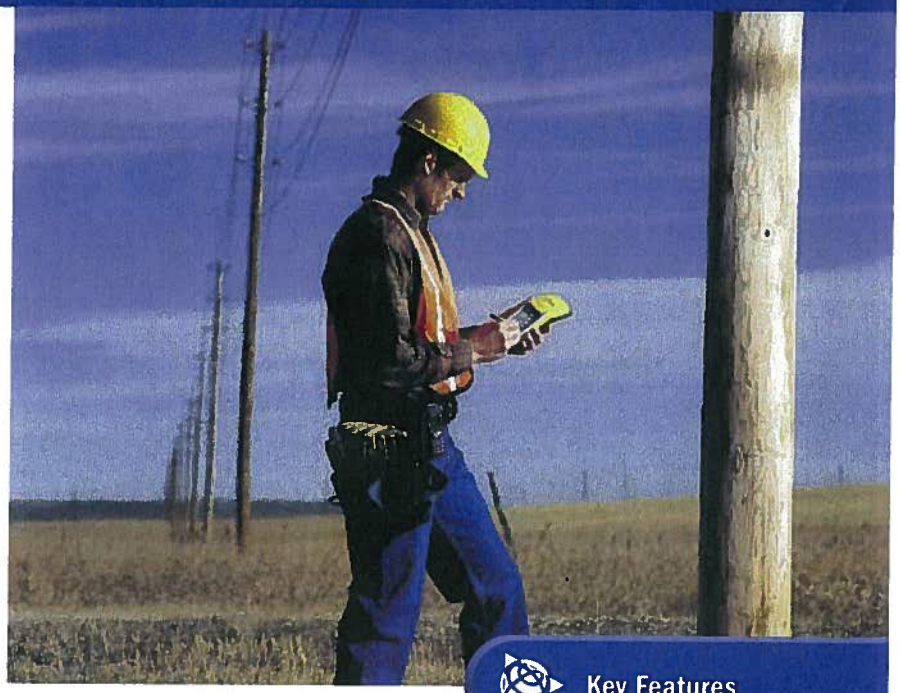
Windows Mobile includes familiar Microsoft productivity tools, including Pocket Word, Pocket Excel, and Pocket Outlook®. Pocket Outlook lets you synchronize e-mails, contacts, appointments, and data with your office computer, so whether you're in the office or in the field, you're always up to date.

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).*

YOUR LOCAL TRIMBLE OFFICE OR REPRESENTATIVE

www.trimble.com

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

EUROPE, AFRICA & MIDDLE EAST
Trimble GmbH
Am Prime Parc 11 • 65479 Raunheim • GERMANY
+49-6142-2100-0 Phone • +49-6142-2100-550 Fax

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

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
Baird062515_01	Baird	1230655.658937	2330658.110785	25-06-2015 14:16:57	0.000000	0.000000	0.085528	786.9	41.8	0	-0.073	0.366
Baird062515_02	Baird	1230634.187605	2330648.266499	25-06-2015 14:20:03	0.000000	0.000000	0.264412	787.1	42.3	0	-0.009	1.133
Baird062515_03	Baird	1230591.700478	2330707.765417	25-06-2015 14:23:33	0.000000	0.000000	0.159952	787.9	42.9	0	-0.001	0.686
Baird062515_04	Baird	1230605.439298	2330745.138516	25-06-2015 14:25:52	0.000000	0.000000	0.193859	787.4	43.3	0	-0.051	0.833
Baird062515_05	Baird	1230603.884906	2330800.428792	25-06-2015 14:28:09	0.000000	0.000000	0.070252	787.8	43.6	0	-0.032	0.302
Baird062515_06	Baird	1230651.578182	2330850.872637	25-06-2015 14:30:29	0.000000	0.000000	0.355409	787.7	43.8	0	-0.049	1.529
Baird062515_07	Baird	1230596.020415	2330864.327077	25-06-2015 14:32:46	0.000000	0.000000	0.181971	787.8	43.9	0	-0.043	0.783
Baird062515_08	Baird	1230651.082259	2330806.969491	25-06-2015 14:35:09	0.000000	0.000000	0.112869	787.5	44.0	0	-0.036	0.486
Baird062515_09	Baird	1230659.643844	2330755.94472	25-06-2015 14:37:31	0.000000	0.000000	0.254832	787.7	44.0	0	-0.054	1.097
Baird062515_10	Baird	1230651.823621	2330706.832313	25-06-2015 14:39:41	0.000000	0.000000	0.040952	793.5	44.0	0	-0.018	0.175
Baird062515_11	Baird	1230687.561939	2330652.968138	25-06-2015 14:41:53	0.000000	0.000000	0.038774	787.3	44.0	0	-0.039	0.167
Baird062515_12	Baird	1230745.759986	2330657.504563	25-06-2015 14:44:10	0.000000	0.000000	0.179034	787.4	44.0	0	-0.036	0.771
Baird062515_13	Baird	1230799.612273	2330637.525893	25-06-2015 14:46:34	0.000000	0.000000	0.248824	787.8	44.0	0	-0.006	1.071
Baird062515_14	Baird	1230786.817045	2330696.009906	25-06-2015 14:48:51	0.000000	0.000000	0.188787	787.4	44.0	0	-0.049	0.813
Baird062515_15	Baird	1230736.36761	2330706.006695	25-06-2015 14:51:18	0.000000	0.000000	0.185918	787.3	44.1	0	-0.064	0.801
Baird062515_16	Baird	1230692.651368	2330706.781044	25-06-2015 14:53:30	0.000000	0.000000	0.029468	787.3	44.2	0	-0.047	0.127
Baird062515_17	Baird	1230690.83188	2330756.296979	25-06-2015 14:55:43	0.000000	0.000000	0.171188	787.3	44.3	0	-0.039	0.738
Baird062515_18	Baird	1230732.420695	2330756.900155	25-06-2015 14:57:58	0.000000	0.000000	0.203637	787.7	44.5	0	-0.032	0.878
Baird062515_19	Baird	1230792.18713	2330756.749209	25-06-2015 15:00:22	0.000000	0.000000	0.202840	787.8	44.7	0	-0.042	0.875
Baird062515_20	Baird	1230782.68181	2330812.89551	25-06-2015 15:02:33	0.000000	0.000000	0.443481	787.5	44.9	0	-0.01	1.915
Baird062515_21	Baird	1230733.928023	2330798.549687	25-06-2015 15:04:40	0.000000	0.000000	0.244161	793.5	45.1	0	-0.006	1.047
Baird062515_22	Baird	1230689.944331	2330811.532339	25-06-2015 15:07:03	0.000000	0.000000	0.248807	787.3	45.3	0	-0.04	1.076
Baird062515_23	Baird	1230696.995397	2330854.419527	25-06-2015 15:09:24	0.000000	0.000000	0.251535	787.4	45.4	0	-0.024	1.088
Baird062515_24	Baird	1230745.646583	2330848.226835	25-06-2015 15:11:27	0.000000	0.000000	3.091934	787.4	45.4	0	-0.01	13.374
Baird062515_25	Baird	1230784.338944	2330860.031732	25-06-2015 15:13:33	0.000000	0.000000	0.303321	787.4	45.4	-0.371	-0.028	1.312
GunClubSprings060115_01	BC-CJ-GC	1214753.360259	2309756.543177	01-06-2015 11:08:00	0.000000	0.000000	0.515914	806.8	26.4	0	0	2.048

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
GunClubSprings060115_02	BC-CJ-GC	1214736.297172	2309966.517602	01-06-2015 11:11:04	0.000000	0.000000	0.222961	807.2	27.2	0	-0.02	0.887
GunClubSprings060115_03	BC-CJ-GC	1214551.423217	2309982.129521	01-06-2015 11:14:48	0.000000	0.000000	0.538729	807.6	28.3	0	-0.003	2.15
GunClubSprings060115_04	BC-CJ-GC	1214347.359902	2309973.693728	01-06-2015 11:18:53	0.000000	0.000000	0.006235	807.3	29.6	0	-0.011	0.025
GunClubSprings060115_05	BC-CJ-GC	1214187.127013	2309949.478846	01-06-2015 11:23:07	0.000000	0.000000	0.168164	806.3	30.9	0	-0.037	0.678
GunClubSprings060115_06	BC-CJ-GC	1214198.813628	2309772.926805	01-06-2015 11:27:23	0.000000	0.000000	0.292557	804.8	32.0	0	-0.045	1.186
GunClubSprings060115_07	BC-CJ-GC	1214364.536315	2309766.216894	01-06-2015 11:31:44	0.000000	0.000000	0.522260	803.6	33.1	0	-0.01	2.128
GunClubSprings060115_08	BC-CJ-GC	1214344.638102	2309570.182546	01-06-2015 11:37:53	0.000000	0.000000	0.194076	804.0	34.5	0	-0.065	0.794
GunClubSprings060115_09	BC-CJ-GC	1214341.741675	2309376.666231	01-06-2015 11:42:46	0.000000	0.000000	0.158763	801.1	35.5	0	-0.103	0.654
GunClubSprings060115_10	BC-CJ-GC	1214338.228279	2309113.819864	01-06-2015 11:48:51	0.000000	0.000000	0.141770	799.0	36.8	0	-0.046	0.588
GunClubSprings060115_11	BC-CJ-GC	1214189.634676	2308989.758606	01-06-2015 11:56:11	0.000000	0.000957	0.112224	796.8	38.3	0	0.004	0.469
GunClubSprings060115_12	BC-CJ-GC	1214142.322291	2308752.989342	01-06-2015 12:01:58	0.000000	0.000000	0.385828	793.9	39.2	-0.234	-0.109	1.623
GunClubSprings060115_13	BC-CJ-GC	1214124.467489	2308570.829427	01-06-2015 12:06:29	0.000000	0.000000	0.521967	793.5	39.8	-1.281	-0.069	2.201
GunClubSprings060115_14	BC-CJ-GC	1213960.225717	2308546.335522	01-06-2015 12:12:56	0.000000	0.000000	0.489906	794.3	40.6	0	-0.115	2.069
GunClubSprings060115_15	BC-CJ-GC	1213929.072419	2308360.321331	01-06-2015 12:17:57	0.000000	0.000000	0.036488	791.2	41.2	0	-0.042	0.155
GunClubSprings060115_16	BC-CJ-GC	1213961.903663	2308200.098578	01-06-2015 12:24:13	0.000000	0.000000	0.304961	790.9	41.7	0	-0.112	1.298
GunClubSprings060115_17	BC-CJ-GC	1214106.968964	2307979.885624	01-06-2015 12:31:01	0.000000	0.000000	0.380172	791.0	42.3	0	-0.057	1.621
GunClubSprings060115_18	BC-CJ-GC	1214168.443472	2307802.316555	01-06-2015 12:38:53	0.000000	0.000000	0.073938	790.9	43.0	0	-0.196	0.316
GunClubSprings060115_19	BC-CJ-GC	1214346.37559	2307810.920818	01-06-2015 12:43:30	0.000000	0.000000	2.240285	789.4	43.4	0	-0.034	9.605
GunClubSprings060115_20	BC-CJ-GC	1214561.798242	2307752.335024	01-06-2015 12:48:14	0.000000	0.000000	0.029061	788.1	43.9	0	-0.016	0.125
GunClubSprings060115_21	BC-CJ-GC	1214567.300613	2307583.125603	01-06-2015 12:53:33	0.000000	0.000000	0.181673	786.5	44.3	0	-0.049	0.784
GunClubSprings060115_22	BC-CJ-GC	1214581.317109	2307352.43109	01-06-2015 12:58:57	0.000000	0.000000	0.169978	784.6	44.6	0	-0.092	0.736
GunClubSprings060115_23	BC-CJ-GC	1214426.583081	2307332.558067	01-06-2015 13:02:27	0.000000	0.000000	0.316656	783.2	44.7	-1.228	-0.052	1.374
GunClubSprings060115_24	BC-CJ-GC	1214406.51474	2307110.083493	01-06-2015 13:09:38	16.281240	0.018427	4.224287	783.0	44.8	70.686	0.08	18.34
GunClubSprings060115_25	BC-CJ-GC	1214290.075615	2307326.663102	01-06-2015 13:15:38	0.000000	0.000000	0.477341	783.4	44.9	0	-0.093	2.072
GunClubSprings060115_26	BC-CJ-GC	1214268.592938	2307096.603938	01-06-2015 13:21:59	0.000000	0.000000	0.447394	783.0	44.9	0	-0.122	1.943
GunClubSprings060115_27	BC-CJ-GC	1214240.856681	2306915.131909	01-06-2015 13:26:59	0.000000	0.000000	0.312326	783.9	44.7	0	-0.076	1.354

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
GunClubSprings060115_28	BC-CJ-GC	1214407.966116	2306928.731448	01-06-2015 13:32:12	0.000000	0.000000	0.619087	784.0	44.4	0	-0.139	2.681
GunClubSprings060115_29	BC-CJ-GC	1214570.873399	2306901.28202	01-06-2015 13:36:22	0.000000	0.000000	0.579039	782.5	44.1	0	-0.082	2.51
GunClubSprings060115_30	BC-CJ-GC	1214616.925203	2307065.315014	01-06-2015 13:40:28	0.000000	0.000000	0.175499	781.5	43.8	0	-0.005	0.761
GunClubSprings060115_31	BC-CJ-GC	1214763.814666	2307179.601967	01-06-2015 13:45:01	0.000000	0.000000	0.196832	780.8	43.7	0	-0.012	0.854
GunClubSprings060115_32	BC-CJ-GC	1214894.423803	2307209.990135	01-06-2015 13:49:53	0.000000	0.000000	4.425647	780.3	43.7	0	-0.005	19.214
GunClubSprings060115_33	BC-CJ-GC	1214928.776915	2307148.69848	01-06-2015 13:52:52	0.000000	0.000000	0.221497	780.0	43.7	0	-0.111	0.962
GunClubSprings060115_34	BC-CJ-GC	1214900.220301	2307334.739623	01-06-2015 13:57:05	0.823376	0.000000	6.872512	780.1	44.0	3.579	-0.022	29.873
GunClubSprings060115_35	BC-CJ-GC	1214708.475582	2307370.691363	01-06-2015 14:01:20	0.000000	0.000000	0.232043	782.1	44.3	0	-0.065	1.007
GunClubSprings060115_36	BC-CJ-GC	1214739.025916	2307571.984509	01-06-2015 14:07:56	0.000000	0.000000	0.405627	781.2	44.6	0	-0.13	1.764
GunClubSprings060115_37	BC-CJ-GC	1214667.629481	2307996.011	01-06-2015 14:18:30	0.000000	0.000000	0.099790	782.7	44.5	0	-0.039	0.433
GunClubSprings060115_38	BC-CJ-GC	1214568.501322	2308015.732733	01-06-2015 14:21:38	0.000000	0.000000	0.139703	787.9	44.4	0	-0.062	0.602
GunClubSprings060115_39	BC-CJ-GC	1214350.279621	2307973.970603	01-06-2015 14:27:12	0.000000	0.000000	1.311786	789.0	44.3	-0.001	-0.186	5.643
GunClubSprings060115_40	BC-CJ-GC	1214371.709225	2308159.274446	01-06-2015 14:31:50	0.000000	0.000000	0.042343	789.4	44.2	0	-0.003	0.182
GunClubSprings060115_41	BC-CJ-GC	1214189.887231	2308200.339959	01-06-2015 14:36:42	0.000000	0.000000	0.123035	791.4	43.9	0	-0.01	0.527
GunClubSprings060115_42	BC-CJ-GC	1214190.659113	2308384.459017	01-06-2015 14:40:48	0.000000	0.000000	5.798087	792.6	43.6	0	-0.076	24.774
GunClubSprings060115_43	BC-CJ-GC	1214373.94771	2308368.390641	01-06-2015 14:45:31	0.000000	0.000000	0.313559	793.9	43.7	0	-0.018	1.338
GunClubSprings060115_44	BC-CJ-GC	1214567.320165	2308365.421502	01-06-2015 14:50:14	0.000000	0.000000	1.021949	794.0	43.9	0	-0.065	4.363
GunClubSprings060115_45	BC-CJ-GC	1214580.90264	2308590.708616	01-06-2015 14:54:09	0.000000	0.000000	0.196618	796.8	44.1	0	-0.106	0.837
GunClubSprings060115_46	BC-CJ-GC	1214391.73072	2308590.210702	01-06-2015 14:57:56	0.000000	0.000000	0.080570	795.2	44.4	0	-0.095	0.344
GunClubSprings060115_47	BC-CJ-GC	1214385.371628	2308794.631508	01-06-2015 15:01:26	0.000000	0.000000	0.482075	795.8	44.6	0	-0.025	2.058
GunClubSprings060115_48	BC-CJ-GC	1214390.000666	2308979.564557	01-06-2015 15:06:06	0.000000	0.000000	0.186072	795.9	44.9	0	-0.096	0.795
GunClubSprings060115_49	BC-CJ-GC	1214568.178323	2309163.674312	01-06-2015 15:16:46	0.000000	0.000000	0.194871	794.9	45.8	-0.025	-0.109	0.836
GunClubSprings060115_50	BC-CJ-GC	1214541.374842	2309366.876194	01-06-2015 15:26:44	0.000000	0.000000	1.115475	798.3	46.2	0	-0.105	4.771
GunClubSprings060115_51	BC-CJ-GC	1214520.694471	2309601.942161	01-06-2015 15:32:16	262.790800	0.067599	3.428588	799.4	46.5	1123.491	0.289	14.658
GunClubSprings060115_52	BC-CJ-GC	1214482.956187	2309774.729695	01-06-2015 15:46:41	93.562280	0.016421	2.388620	802.5	46.8	398.829	0.07	10.182
GunClubSprings060115_53	BC-CJ-GC	1214437.997782	2309811.632538	01-06-2015 15:50:37	24.342880	0.005868	0.347135	802.9	46.8	103.715	0.025	1.479

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
GunClubSprings060115_54	BC-CJ-GC	1214446.554697	2309835.3119	01-06-2015 15:53:08	277.440800	0.009865	2.056056	803.2	46.7	1181.25	0.042	8.754
GunClubSprings060115_55	BC-CJ-GC	1214647.241861	2309766.058969	01-06-2015 15:57:02	622.986500	1.670001	5.162314	803.8	46.7	2650.488	7.105	21.963
GunClubSprings060115_56	BC-CJ-GC	1214669.373044	2309682.924262	01-06-2015 16:00:46	276.320600	0.000000	2.679600	803.4	46.7	1176.188	-0.002	11.406
GunClubSprings060115_57	BC-CJ-GC	1214519.826415	2309700.319417	01-06-2015 16:06:11	0.000000	0.000000	0.108275	803.2	46.7	-0.386	0	0.461
GunClubSprings060115_58	BC-CJ-GC	1214560.810846	2309719.745207	01-06-2015 16:09:13	0.000000	0.000000	0.044559	802.0	46.7	0	-0.304	0.19
GunClubSprings060115_100	BC-CJ-GC	1214922.18588	2306963.092881	02-06-2015 13:04:27	0.000000	0.000000	0.704264	779.6	41.7	0	-0.031	3.041
GunClubSprings060115_101	BC-CJ-GC	1215118.375729	2306982.958459	02-06-2015 13:08:32	0.000000	0.000000	0.365095	778.6	41.8	0	-0.027	1.579
GunClubSprings060115_102	BC-CJ-GC	1215389.114393	2307342.517636	02-06-2015 13:17:12	0.000000	0.000000	0.258848	777.4	42.3	0	-0.057	1.123
GunClubSprings060115_103	BC-CJ-GC	1215360.219136	2307528.340926	02-06-2015 13:20:28	0.000000	0.000000	0.069915	783.4	42.3	0	-0.032	0.301
GunClubSprings060115_104	BC-CJ-GC	1215184.189123	2307581.886191	02-06-2015 13:23:42	0.000000	0.000000	0.134478	784.7	42.3	0	-0.118	0.578
GunClubSprings060115_105	BC-CJ-GC	1215183.17997	2307740.160359	02-06-2015 13:26:36	0.000000	0.000000	0.109963	786.0	42.4	0	-0.065	0.472
GunClubSprings060115_106	BC-CJ-GC	1214986.641159	2307956.399258	02-06-2015 13:30:44	0.000000	0.000000	0.042911	787.3	42.6	0	-0.129	0.184
GunClubSprings060115_107	BC-CJ-GC	1214942.270983	2308143.333213	02-06-2015 13:34:13	0.000000	0.000000	0.191609	789.1	42.7	0	-0.128	0.82
GunClubSprings060115_108	BC-CJ-GC	1214982.794263	2308328.58634	02-06-2015 13:38:24	0.000000	0.000000	0.317786	790.5	42.8	0	0	1.358
GunClubSprings060115_59	BC-CJ-GC	1214943.190366	2309743.114689	02-06-2015 08:46:09	0.000000	0.000000	2.188579	805.7	25.1	0	-0.009	8.662
GunClubSprings060115_60	BC-CJ-GC	1214905.982912	2309560.287337	02-06-2015 08:50:46	0.000000	0.002265	1.048382	805.7	26.3	0	0.009	4.166
GunClubSprings060115_61	BC-CJ-GC	1214775.426466	2309578.183686	02-06-2015 08:56:32	0.000000	0.000000	0.704877	805.1	28.0	0	-0.026	2.819
GunClubSprings060115_62	BC-CJ-GC	1214862.742826	2309410.728148	02-06-2015 09:00:39	0.000000	0.000498	0.429367	805.1	29.2	0	0.002	1.724
GunClubSprings060115_63	BC-CJ-GC	1214728.243152	2309371.102288	02-06-2015 09:06:54	0.000000	0.000000	0.389826	805.1	30.7	-2.031	-0.024	1.573
GunClubSprings060115_64	BC-CJ-GC	1214669.045854	2309387.800772	02-06-2015 09:09:48	0.000000	0.000986	2.302527	802.9	31.5	0	0.004	9.341
GunClubSprings060115_65	BC-CJ-GC	1214651.52163	2309349.128867	02-06-2015 09:12:52	0.000000	0.000000	0.227648	802.6	32.2	0	-0.003	0.926
GunClubSprings060115_66	BC-CJ-GC	1214655.756043	2309309.642191	02-06-2015 09:15:23	0.000000	0.000000	0.222618	802.0	32.8	0	-0.026	0.908
GunClubSprings060115_67	BC-CJ-GC	1214754.454304	2309172.147552	02-06-2015 09:18:50	0.000000	0.000000	0.251231	802.3	33.6	0	-0.035	1.027
GunClubSprings060115_68	BC-CJ-GC	1214768.854221	2309005.287701	02-06-2015 09:24:03	0.000000	0.000000	0.091849	801.9	34.7	0	-0.063	0.377
GunClubSprings060115_69	BC-CJ-GC	1214616.142215	2308923.677519	02-06-2015 09:31:40	0.000000	0.000000	0.088553	800.5	36.3	0	-0.043	0.366
GunClubSprings060115_70	BC-CJ-GC	1214652.042771	2308804.557531	02-06-2015 09:37:02	0.000000	0.000481	0.285076	798.0	37.1	0	0.002	1.185

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
GunClubSprings060115_71	BC-CJ-GC	1214738.313746	2308747.126513	02-06-2015 09:41:30	0.000000	0.000000	0.930178	797.8	37.7	0	-0.025	3.875
GunClubSprings060115_72	BC-CJ-GC	1214740.273001	2308578.941041	02-06-2015 09:45:30	0.000000	0.000000	0.498268	796.8	38.1	0	-0.014	2.081
GunClubSprings060115_73	BC-CJ-GC	1214741.639012	2308393.797973	02-06-2015 09:50:02	0.000000	0.000000	0.068271	795.4	38.5	0	0	0.286
GunClubSprings060115_74	BC-CJ-GC	1214753.907636	2308091.383735	02-06-2015 10:02:59	0.000000	0.000000	0.234568	794.9	40.0	0	-0.102	0.988
GunClubSprings060115_75	BC-CJ-GC	1214570.098862	2308164.336336	02-06-2015 10:08:35	0.000000	0.000000	0.080299	792.0	40.5	-0.372	-0.077	0.34
GunClubSprings060115_76	BC-CJ-GC	1214772.732908	2307761.18767	02-06-2015 10:24:43	0.000000	0.000000	0.112375	791.4	41.7	0	-0.033	0.478
GunClubSprings060115_77	BC-CJ-GC	1214995.170351	2307761.576286	02-06-2015 10:32:20	0.000000	0.000000	0.050882	786.2	41.9	-1.215	-0.133	0.218
GunClubSprings060115_78	BC-CJ-GC	1214997.082161	2307571.239	02-06-2015 10:38:38	0.000000	0.000000	1.356459	789.1	42.1	0	-0.081	5.794
GunClubSprings060115_79	BC-CJ-GC	1214946.071414	2307386.898468	02-06-2015 10:47:53	0.000000	0.000000	0.108799	786.5	42.6	-0.851	-0.15	0.467
GunClubSprings060115_80	BC-CJ-GC	1215163.21557	2307406.520711	02-06-2015 10:55:07	0.000000	0.000000	0.432449	782.7	42.9	0	-0.082	1.867
GunClubSprings060115_81	BC-CJ-GC	1215189.726413	2307148.889889	02-06-2015 11:02:25	0.000000	0.000000	0.279682	785.2	43.0	0	-0.046	1.204
GunClubSprings060115_82	BC-CJ-GC	1215353.683254	2307008.093521	02-06-2015 11:06:26	0.000000	0.000000	2.565160	782.1	43.1	0	-0.002	11.09
GunClubSprings060115_83	BC-CJ-GC	1215389.848285	2307147.202282	02-06-2015 11:14:55	0.000000	0.000000	0.086804	781.1	43.3	0	-0.177	0.376
GunClubSprings060115_84	BC-CJ-GC	1215471.367217	2307117.710874	02-06-2015 11:19:15	0.000000	0.000000	0.197786	783.1	43.1	0	-0.081	0.854
GunClubSprings060115_85	BC-CJ-GC	1215523.543894	2306990.128838	02-06-2015 11:27:17	0.000000	0.000000	0.256428	784.2	43.2	0	-0.064	1.106
GunClubSprings060115_86	BC-CJ-GC	1215463.686359	2306698.230434	02-06-2015 11:40:34	0.058658	0.000000	0.331316	784.2	43.2	0.253	-0.096	1.429
GunClubSprings060115_87	BC-CJ-GC	1215355.25566	2306735.733749	02-06-2015 11:49:20	0.000000	0.000000	0.161816	783.0	43.2	0	-0.1	0.699
GunClubSprings060115_88	BC-CJ-GC	1215174.062107	2306822.555395	02-06-2015 11:59:51	0.000000	0.000000	0.282003	780.3	43.1	0	-0.041	1.222
GunClubSprings060115_89	BC-CJ-GC	1214913.131545	2306734.107942	02-06-2015 12:06:20	0.000000	0.000000	0.234468	779.3	43.0	0	-0.137	1.017
GunClubSprings060115_90	BC-CJ-GC	1214956.008156	2306605.592443	02-06-2015 12:10:01	0.000000	0.000000	0.366585	780.8	43.0	0	-0.02	1.587
GunClubSprings060115_91	BC-CJ-GC	1214741.645128	2306559.431358	02-06-2015 12:15:27	0.000000	0.000000	0.165327	780.5	43.0	-0.539	-0.103	0.716
GunClubSprings060115_92	BC-CJ-GC	1214519.688319	2306536.382843	02-06-2015 12:20:27	0.000000	0.000000	0.253244	783.4	42.8	0	-0.04	1.092
GunClubSprings060115_93	BC-CJ-GC	1214408.46621	2306565.788903	02-06-2015 12:26:23	3.932824	0.006280	1.187127	784.7	42.4	16.909	0.027	5.104
GunClubSprings060115_94	BC-CJ-GC	1214538.12973	2306368.09316	02-06-2015 12:32:56	0.000000	0.000000	0.124352	785.4	42.3	-0.526	-0.105	0.534
GunClubSprings060115_95	BC-CJ-GC	1214378.536427	2306350.56055	02-06-2015 12:36:38	0.000000	0.000000	0.130390	784.8	42.1	0	-0.115	0.56
GunClubSprings060115_96	BC-CJ-GC	1214359.713505	2306752.427208	02-06-2015 12:44:52	0.000000	0.000000	0.172163	785.8	41.9	0	-0.103	0.738

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
GunClubSprings060115_97	BC-CJ-GC	1214503.720216	2306812.267312	02-06-2015 12:50:08	0.000000	0.000000	0.097856	782.7	41.8	0	-0.077	0.421
GunClubSprings060115_98	BC-CJ-GC	1214761.808709	2306815.8834	02-06-2015 12:55:01	0.000000	0.000000	0.384813	781.3	41.7	-1.033	-0.081	1.658
GunClubSprings060115_99	BC-CJ-GC	1214730.217581	2306935.308254	02-06-2015 12:59:52	0.000000	0.000000	0.323068	779.6	41.7	0	-0.122	1.395
GunClubSprings060115_109	BC-CJ-GC	1214996.26928	2309946.978368	03-06-2015 15:55:07	0.000000	0.000000	0.777644	801.4	27.0	0	-0.139	3.114
GunClubSprings060115_110	BC-CJ-GC	1215003.684804	2310116.894363	03-06-2015 15:58:17	0.000000	0.000000	0.699613	801.4	27.8	0	-0.031	2.809
GunClubSprings060115_111	BC-CJ-GC	1214759.149793	2310158.826073	03-06-2015 16:01:49	0.000000	0.000000	0.290225	801.5	28.8	0	-0.01	1.169
BasinCreek06082015_01	BC-CJ-GC	1209741.426	2304575.607	08-06-2015 12:00:09	0.000000	0.002719	0.083556	803.1	30.7	0	0.011	0.338
BasinCreek06082015_02	BC-CJ-GC	1209768.832	2304397.487	08-06-2015 12:04:48	0.000000	0.000000	0.197403	803.1	32.4	0	-0.038	0.803
BasinCreek06082015_03	BC-CJ-GC	1209949.221	2304371.207	08-06-2015 12:09:01	0.000000	0.000000	0.611272	803.2	33.6	0	-0.037	2.496
BasinCreek06082015_04	BC-CJ-GC	1209941.15	2304179.111	08-06-2015 12:13:23	0.000000	0.000000	0.259631	802.9	34.6	0	-0.039	1.064
BasinCreek06082015_05	BC-CJ-GC	1209955.776	2303959.271	08-06-2015 12:20:08	0.000000	0.000000	0.525948	803.2	35.8	-0.029	-0.015	2.163
BasinCreek06082015_06	BC-CJ-GC	1209962.672	2303845.679	08-06-2015 12:24:50	0.000000	0.000000	0.313840	804.1	36.7	0	-0.035	1.293
BasinCreek06082015_07	BC-CJ-GC	1209971.15	2303557.346	08-06-2015 12:31:21	0.000000	0.000000	0.316764	804.0	37.6	0	-0.054	1.309
BasinCreek06082015_08	BC-CJ-GC	1209983.612	2303367.916	08-06-2015 12:36:33	0.000000	0.000000	0.078927	804.0	38.4	0	-0.041	0.327
BasinCreek06082015_09	BC-CJ-GC	1209994.708	2303181.068	08-06-2015 12:40:28	0.000000	0.000000	0.068181	803.8	38.9	0	-0.059	0.283
BasinCreek06082015_10	BC-CJ-GC	1209983.064	2303010.246	08-06-2015 12:45:26	0.000000	0.000000	0.039406	803.2	39.5	-0.056	-0.069	0.164
BasinCreek06082015_11	BC-CJ-GC	1209974.462	2302826.224	08-06-2015 12:51:15	0.000000	0.000000	0.033084	803.2	40.2	0	-0.002	0.138
BasinCreek06082015_12	BC-CJ-GC	1209853.039	2302670.636	08-06-2015 13:01:05	0.000000	0.000000	0.140015	803.3	41.3	0	-0.068	0.586
BasinCreek06082015_13	BC-CJ-GC	1209724.08	2302830.115	08-06-2015 13:11:22	0.000000	0.000000	1.835668	801.1	42.0	-0.018	-0.012	7.721
BasinCreek06082015_14	BC-CJ-GC	1209733.648	2302916.763	08-06-2015 13:19:51	6.775887	0.000000	2.028263	800.1	42.6	28.59	-0.015	8.558
BasinCreek06082015_15	BC-CJ-GC	1209749.706	2303032.512	08-06-2015 13:25:40	0.000000	0.000000	0.610773	801.0	42.7	0	-0.064	2.575
BasinCreek06082015_16	BC-CJ-GC	1209730.675	2303150.755	08-06-2015 13:32:45	0.000000	0.000000	0.891988	802.1	43.0	0	-0.06	3.759
BasinCreek06082015_17	BC-CJ-GC	1209686.027	2303291.752	08-06-2015 13:40:59	1.392496	0.000000	3.603368	802.6	43.4	5.872	-0.015	15.195
BasinCreek06082015_18	BC-CJ-GC	1209736.482	2303332.099	08-06-2015 13:44:55	0.000000	0.000000	0.648087	802.2	43.6	-0.558	-0.058	2.736
BasinCreek06082015_19	BC-CJ-GC	1209737.726	2303526.538	08-06-2015 13:54:31	0.000000	0.000000	3.251733	803.0	44.2	0	-0.073	13.74
BasinCreek06082015_20	BC-CJ-GC	1209746.859	2303751.863	08-06-2015 14:03:02	0.000000	0.000000	0.216902	802.2	44.4	0	-0.024	0.918

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek06082015_21	BC-CJ-GC	1209761.294	2303966.01	08-06-2015 14:09:23	0.000000	0.000000	0.053378	802.4	44.6	0	-0.062	0.226
BasinCreek06082015_22	BC-CJ-GC	1209784.688	2304196.401	08-06-2015 14:22:53	0.000000	0.000000	0.373122	803.3	44.6	-1.53	-0.07	1.578
BasinCreek06082015_23	BC-CJ-GC	1210137.887	2304812.865	08-06-2015 14:39:29	0.000000	0.000000	0.182303	799.9	44.9	0	-0.009	0.775
BasinCreek06082015_24	BC-CJ-GC	1209948.523	2304589.932	08-06-2015 14:50:24	0.000000	0.000000		799.9	44.8	0	-0.08	
BasinCreek06082015_25	BC-CJ-GC	1210196.095	2304562.555	08-06-2015 14:56:25	0.000000	0.000000	0.127950	802.0	44.6	0	-0.092	0.542
BasinCreek06082015_26	BC-CJ-GC	1210174.598	2304383.975	08-06-2015 15:04:05	0.000000	0.000000		800.9	44.4	0	-0.049	
BasinCreek06082015_27	BC-CJ-GC	1210189.45	2304357.931	08-06-2015 15:06:36	0.000000	0.000000	0.686948	802.1	44.1	0	-0.128	2.905
BasinCreek06082015_28	BC-CJ-GC	1210171.787	2304191.412	08-06-2015 15:10:11	0.000000	0.000000	0.059613	802.4	44.1	0	-0.074	0.252
BasinCreek06082015_29	BC-CJ-GC	1210131.93	2303995.251	08-06-2015 15:16:42	0.000000	0.000000	0.110079	801.0	44.0	0	-0.103	0.466
BasinCreek06082015_30	BC-CJ-GC	1210136.712	2303800.245	08-06-2015 15:21:31	0.000000	0.000000	0.233340	801.4	43.9	0	-0.064	0.987
BasinCreek06082015_31	BC-CJ-GC	1210136.389	2303571.897	08-06-2015 15:25:48	0.000000	0.000000	0.219179	802.1	43.8	0	-0.084	0.926
BasinCreek06082015_32	BC-CJ-GC	1210145.35	2303392.925	08-06-2015 15:30:28	0.000000	0.000000	0.190670	801.4	43.7	-0.704	-0.093	0.806
BasinCreek06082015_33	BC-CJ-GC	1209694.575	2302166.33	09-06-2015 08:59:25	0.000000	0.000000	0.000000	796.3	25.5	0	-0.033	-0.34
BasinCreek06082015_34	BC-CJ-GC	1209628.718	2301937.615	09-06-2015 09:04:50	0.000000	0.000000	0.033035	796.3	26.7	0	-0.011	0.133
BasinCreek06082015_35	BC-CJ-GC	1209623.494	2301814.973	09-06-2015 09:08:23	0.000000	0.000000	0.017340	796.0	27.4	0	0	0.07
BasinCreek06082015_36	BC-CJ-GC	1209569.356	2301986.131	09-06-2015 09:12:40	0.000000	0.000000	0.960488	796.3	28.1	-1.585	-0.003	3.885
BasinCreek06082015_37	BC-CJ-GC	1209471.382	2301761.776	09-06-2015 09:20:33	0.000000	0.003689	0.449346	794.8	29.1	0	0.015	1.827
BasinCreek06082015_38	BC-CJ-GC	1209480.999	2301620.42	09-06-2015 09:27:00	0.000000	0.001226	0.272901	794.2	29.8	0	0.005	1.113
BasinCreek06082015_39	BC-CJ-GC	1209367.702	2301583.661	09-06-2015 09:32:42	0.000000	0.004657	1.103274	795.0	30.2	0	0.019	4.501
BasinCreek06082015_40	BC-CJ-GC	1209213.426	2301554.814	09-06-2015 09:40:54	0.000000	0.000000	0.287079	792.9	30.9	-15.939	-0.037	1.177
BasinCreek06082015_41	BC-CJ-GC	1209143.103	2301397.462	09-06-2015 09:47:03	0.000000	0.000000	0.171924	790.1	31.6	-2.882	-0.033	0.709
BasinCreek06082015_42	BC-CJ-GC	1209109.881	2301356.702	09-06-2015 09:52:28	0.000000	0.000000	0.663626	791.9	32.1	0	-0.015	2.735
BasinCreek06082015_43	BC-CJ-GC	1209042.699	2301216.731	09-06-2015 10:01:26	0.000000	0.000000	0.399524	792.8	32.9	-1.631	-0.029	1.649
BasinCreek06082015_44	BC-CJ-GC	1209199.122	2301275.335	09-06-2015 10:08:18	0.000000	0.000000	0.457491	793.2	33.5	0	-0.01	1.891
BasinCreek06082015_45	BC-CJ-GC	1209121.78	2301124.472	09-06-2015 10:14:39	0.000000	0.000000	0.262924	794.8	33.9	0	-0.03	1.086
BasinCreek06082015_46	BC-CJ-GC	1209027.778	2301041.424	09-06-2015 10:19:53	0.000000	0.000000	4.216184	795.6	34.3	0	-0.034	17.42

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek06082015_47	BC-CJ-GC	1209063.184	2301051.875	09-06-2015 10:25:48	0.000000	0.000000	0.078324	794.0	35.0	0	-0.01	0.325
BasinCreek06082015_48	BC-CJ-GC	1208995.263	2301165.425	09-06-2015 10:31:15	1.705795	0.007938	0.949722	794.1	35.6	7.091	0.033	3.948
BasinCreek06082015_49	BC-CJ-GC	1208908.569	2301041.449	09-06-2015 10:36:53	91.543090	0.000000	8.615414	792.5	36.3	382.178	-0.043	35.968
BasinCreek06082015_50	BC-CJ-GC	1208990.467	2300996.73	09-06-2015 10:43:23	0.000000	0.000000	0.356039	792.1	37.1	-4.809	-0.041	1.491
BasinCreek06082015_51	BC-CJ-GC	1209118.292	2300918.489	09-06-2015 10:54:26	0.000000	0.000000	0.078926	792.9	38.8	0	-0.008	0.332
BasinCreek06082015_52	BC-CJ-GC	1209004.52	2300821.083	09-06-2015 11:04:21	0.000000	0.000000	0.581985	791.2	39.9	0	-0.019	2.462
BasinCreek06082015_53	BC-CJ-GC	1209150.759	2300735.237	09-06-2015 11:09:54	0.000000	0.000000	0.106454	789.8	40.5	0	-0.046	0.452
BasinCreek06082015_54	BC-CJ-GC	1209085.395	2300725.037	09-06-2015 11:15:30	51.250820	0.022768	3.707249	788.9	41.2	218.344	0.097	15.794
BasinCreek06082015_55	BC-CJ-GC	1209079.213	2300596.212	09-06-2015 11:26:03	3.837384	0.014005	0.676211	787.5	42.4	16.44	0.06	2.897
BasinCreek06082015_56	BC-CJ-GC	1209135.694	2300623.988	09-06-2015 11:31:09	0.000000	0.000000	0.632493	787.5	42.9	0	-0.039	2.714
BasinCreek06082015_57	BC-CJ-GC	1209145.214	2300487.115	09-06-2015 11:36:57	0.000000	0.000000	0.631444	788.6	43.4	0	-0.01	2.71
BasinCreek06082015_58	BC-CJ-GC	1209092.362	2300462.52	09-06-2015 11:42:22	0.000000	0.000000	0.183608	789.1	43.6	0	-0.101	0.788
BasinCreek06082015_59	BC-CJ-GC	1208908.332	2300536.368	09-06-2015 11:55:15	0.000000	0.000000	0.140657	788.1	43.9	-1.885	-0.115	0.605
BasinCreek06082015_60	BC-CJ-GC	1208995.68	2300350.996	09-06-2015 12:06:03	1.055147	0.000000	0.621344	785.8	43.5	4.546	-0.013	2.677
BasinCreek06082015_61	BC-CJ-GC	1209098.208	2300360.12	09-06-2015 12:11:41	0.000000	0.000000	0.000000	785.8	43.6	-31.427	-0.14	-0.129
BasinCreek06082015_62	BC-CJ-GC	1209009.631	2300142.382	09-06-2015 12:25:22	0.000000	0.000000	0.061381	787.9	43.8	-2.824	-0.002	0.264
BasinCreek06082015_63	BC-CJ-GC	1208955.355	2300150.583	09-06-2015 12:32:43	0.000000	0.000000	0.287695	787.5	43.8	-0.619	-0.083	1.238
BasinCreek06082015_64	BC-CJ-GC	1208720.471	2300162.442	09-06-2015 12:49:09	0.000000	0.000000	0.632186	781.7	43.5	0	-0.051	2.738
BasinCreek06082015_65	BC-CJ-GC	1208739.528	2300393.367	09-06-2015 12:57:35	0.000000	0.000000	0.106823	781.6	43.7	0	-0.069	0.463
BasinCreek06082015_66	BC-CJ-GC	1208753.91	2300581.123	09-06-2015 13:03:39	0.000000	0.000000	0.077266	781.6	43.8	-2.075	-0.112	0.335
BasinCreek06082015_67	BC-CJ-GC	1208778.054	2300728.23	09-06-2015 13:10:31	0.000000	0.000000	0.085932	782.8	43.8	0	-0.02	0.372
BasinCreek06082015_68	BC-CJ-GC	1208629.435	2300768.226	09-06-2015 13:18:02	0.000000	0.000000	0.064928	785.8	43.8	0	-0.078	0.28
BasinCreek06082015_69	BC-CJ-GC	1208532.776	2300780.586	09-06-2015 13:23:55	0.000000	0.000000	0.243586	784.4	44.0	0	-0.068	1.053
BasinCreek06082015_70	BC-CJ-GC	1208479.206	2300965.527	09-06-2015 13:31:06	0.000000	0.000000	0.163782	782.7	44.2	0	-0.106	0.71
BasinCreek06082015_71	BC-CJ-GC	1208499.46	2301152.291	09-06-2015 13:35:58	0.000000	0.000000	0.150067	782.4	44.3	0	-0.086	0.651
BasinCreek06082015_72	BC-CJ-GC	1208624.83	2301182.802	09-06-2015 13:41:58	0.000000	0.000000	0.281217	783.0	44.3	-0.631	-0.086	1.219

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek06082015_73	BC-CJ-GC	1208660.17	2300973.413	09-06-2015 13:51:43	0.936605	0.019171	2.922994	784.2	44.4	4.055	0.083	12.655
BasinCreek06082015_74	BC-CJ-GC	1208731.495	2301205.449	09-06-2015 14:04:20	0.000000	0.000000	0.388777	785.5	44.7	0	-0.01	1.682
BasinCreek06082015_75	BC-CJ-GC	1208755.786	2301363.013	09-06-2015 14:09:56	0.000000	0.000000	0.133505	784.7	44.6	0	-0.021	0.578
BasinCreek06082015_76	BC-CJ-GC	1208769.154	2301539.628	09-06-2015 14:13:56	0.000000	0.000000	0.096068	784.3	44.5	-2.378	-0.057	0.416
BasinCreek06082015_77	BC-CJ-GC	1208951.346	2301583.995	09-06-2015 14:18:10	0.000000	0.000000	0.085317	785.0	44.4	-2.533	-0.157	0.369
BasinCreek06082015_78	BC-CJ-GC	1208882.015	2301355.21	09-06-2015 14:25:32	0.000000	0.000000	0.256640	785.2	44.2	-2.237	-0.171	1.109
BasinCreek06082015_100	BC-CJ-GC	1209342.83	2303774.107	11-06-2015 12:14:03	0.000000	0.000239	0.489218	792.0	36.8	0	0.001	2.047
BasinCreek06082015_79	BC-CJ-GC	1209539.049	2302146.163	11-06-2015 09:31:07	0.000000	0.000000	0.772539	790.7	28.3	-23.96	-0.005	3.149
BasinCreek06082015_80	BC-CJ-GC	1209428.763	2302146.948	11-06-2015 09:36:59	0.000000	0.000000	1.896616	790.9	29.9	-1.668	-0.058	7.77
BasinCreek06082015_81	BC-CJ-GC	1209376.391	2301952.709	11-06-2015 09:46:52	1.265818	0.002902	3.381964	789.3	32.1	5.234	0.012	13.984
BasinCreek06082015_82	BC-CJ-GC	1209319.625	2301809.968	11-06-2015 09:52:00	1.864456	0.001440	1.390723	785.8	33.1	7.769	0.006	5.795
BasinCreek06082015_83	BC-CJ-GC	1209166.737	2301776.897	11-06-2015 10:00:23	0.000000	0.000239	0.069695	785.1	34.5	-0.001	0.001	0.292
BasinCreek06082015_84	BC-CJ-GC	1208981.24	2301799.575	11-06-2015 10:05:13	0.000000	0.000000	0.059801	782.1	35.1	0	-0.008	0.252
BasinCreek06082015_85	BC-CJ-GC	1208784.677	2301753.489	11-06-2015 10:08:54	0.000000	0.000000	2.164573	782.9	35.3	0	-0.005	9.118
BasinCreek06082015_86	BC-CJ-GC	1208699.846	2299944.415	11-06-2015 10:34:05	0.000000	0.000000	0.270501	783.4	37.0	0	-0.007	1.145
BasinCreek06082015_87	BC-CJ-GC	1208727.94	2301922.278	11-06-2015 10:59:49	0.000000	0.005903	0.100590	782.5	36.8	-0.307	0.025	0.426
BasinCreek06082015_88	BC-CJ-GC	1208937.001	2301966.914	11-06-2015 11:05:05	0.000000	0.000000	0.522376	782.8	36.6	-0.051	0	2.21
BasinCreek06082015_89	BC-CJ-GC	1209116.58	2301939.368	11-06-2015 11:10:19	0.000000	0.003791	0.281706	784.9	36.7	0	0.016	1.189
BasinCreek06082015_90	BC-CJ-GC	1208903.753	2302125.277	11-06-2015 11:20:37	0.000000	0.000000	0.505874	783.4	37.1	0	0	2.142
BasinCreek06082015_91	BC-CJ-GC	1208929.42	2302335.504	11-06-2015 11:27:33	0.000000	0.003552	0.582222	785.4	37.1	0	0.015	2.459
BasinCreek06082015_92	BC-CJ-GC	1208965.776	2302525.649	11-06-2015 11:32:45	0.000000	0.000000	0.259603	785.2	36.9	-2.641	-0.002	1.096
BasinCreek06082015_93	BC-CJ-GC	1209114.693	2302546.242	11-06-2015 11:39:30	0.000000	0.000474	0.560604	786.2	36.8	-0.138	0.002	2.363
BasinCreek06082015_94	BC-CJ-GC	1209167.966	2302766.82	11-06-2015 11:46:20	0.000000	0.000474	2.309060	786.7	37.0	-0.619	0.002	9.733
BasinCreek06082015_95	BC-CJ-GC	1209130.829	2302974.954	11-06-2015 11:51:53	0.000000	0.000000	0.295113	785.4	37.0	0	-0.012	1.246
BasinCreek06082015_96	BC-CJ-GC	1209176.265	2303117.724	11-06-2015 11:55:09	0.000000	0.000000	0.582051	787.8	37.0	-0.619	-0.013	2.45
BasinCreek06082015_97	BC-CJ-GC	1209322.235	2303133.57	11-06-2015 11:58:30	0.000000	0.000000	0.746064	788.9	37.1	0	-0.009	3.137

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek06082015_98	BC-CJ-GC	1209386.915	2303397.336	11-06-2015 12:03:09	0.000000	0.000000	0.213309	789.7	37.1	0	-0.015	0.896
BasinCreek06082015_99	BC-CJ-GC	1209346.976	2303568.106	11-06-2015 12:09:35	0.000000	0.000000	0.325418	793.2	36.9	0	-0.007	1.36
BasinCreek06082015_101	BC-CJ-GC	1209540.306	2304351.934	12-06-2015 10:17:00	0.000000	0.000000	0.127578	798.0	25.8	0	-0.003	0.511
BasinCreek06082015_102	BC-CJ-GC	1209560.617	2304172.005	12-06-2015 10:20:46	0.000000	0.000000	0.101642	798.4	26.6	0	-0.004	0.408
BasinCreek06082015_103	BC-CJ-GC	1209543.412	2303913.161	12-06-2015 10:27:01	0.000000	0.000000	1.805388	798.1	28.1	-4.642	-0.003	7.286
BasinCreek06082015_104	BC-CJ-GC	1209533.833	2303756.982	12-06-2015 10:32:02	0.000000	0.006159	0.551628	796.7	29.3	0	0.025	2.239
BasinCreek06082015_105	BC-CJ-GC	1209572.133	2303565.123	12-06-2015 10:36:25	0.000000	0.000000	0.097684	796.3	30.3	0	-0.011	0.398
BasinCreek06082015_106	BC-CJ-GC	1209616.56	2303536.772	12-06-2015 10:39:20	6.552266	0.006360	1.266713	795.0	30.8	26.784	0.026	5.178
BasinCreek06082015_107	BC-CJ-GC	1209553.355	2303364.592	12-06-2015 10:45:01	2.043971	0.004630	5.087754	794.5	31.8	8.388	0.019	20.879
BasinCreek06082015_108	BC-CJ-GC	1209532.558	2303140.229	12-06-2015 10:52:06	0.000000	0.000000	1.053983	793.8	33.2	0	0	4.349
BasinCreek06082015_109	BC-CJ-GC	1209541.864	2302993.405	12-06-2015 10:59:48	6.506166	0.005299	4.468307	792.5	34.6	27.013	0.022	18.552
BasinCreek06082015_110	BC-CJ-GC	1209545.312	2302799.222	12-06-2015 11:07:49	0.000000	0.000000	0.678987	792.5	35.9	0	-0.015	2.831
BasinCreek06082015_111	BC-CJ-GC	1209517.942	2302795.496	12-06-2015 11:11:03	52.804930	0.010989	2.932200	790.4	36.3	221.038	0.046	12.274
BasinCreek06082015_112	BC-CJ-GC	1209314.079	2302939.682	12-06-2015 11:18:18	0.000000	0.000000	0.581027	790.4	37.3	-2.443	-0.011	2.44
BasinCreek06082015_113	BC-CJ-GC	1209340.355	2302715.931	12-06-2015 11:23:58	0.000000	0.000000	0.181436	788.5	37.8	-5.659	-0.015	0.765
BasinCreek06082015_114	BC-CJ-GC	1209382.549	2302621.265	12-06-2015 11:28:43	0.000000	0.000000	0.408571	788.2	38.1	0	-0.003	1.725
BasinCreek06082015_115	BC-CJ-GC	1209515.334	2302616.945	12-06-2015 11:34:11	0.000000	0.000000	0.045990	789.4	38.3	-3.141	-0.006	0.194
BasinCreek06082015_116	BC-CJ-GC	1209560.174	2302356.554	12-06-2015 11:39:35	0.000000	0.000000	0.002134	790.4	38.6	0	-0.002	0.009
BasinCreek06082015_117	BC-CJ-GC	1209361.27	2302386.158	12-06-2015 11:42:42	0.000000	0.000000	0.134361	792.9	38.7	0	-0.026	0.565
BasinCreek06082015_118	BC-CJ-GC	1209123.567	2302312.649	12-06-2015 11:49:56	0.000000	0.000000	0.249932	792.9	39.0	-0.619	-0.006	1.052
BasinCreek06082015_119	BC-CJ-GC	1209104.058	2302164.79	12-06-2015 11:56:25	0.000000	0.002606	0.087169	790.8	39.1	0	0.011	0.368
BasinCreek06082015_120	BC-CJ-GC	1209318.669	2302142.162	12-06-2015 12:01:25	1.113361	0.010162	1.412793	789.5	39.3	4.711	0.043	5.978
BasinCreek06082015_121	BC-CJ-GC	1210308.958	2304342.021	12-06-2015 12:35:10	0.000000	0.000000	0.682004	790.2	39.6	0	-0.029	2.886
BasinCreek06082015_122	BC-CJ-GC	1210317.444	2304172.425	12-06-2015 12:40:30	0.000000	0.000000	0.406848	796.0	39.4	0	-0.012	1.708
BasinCreek06082015_123	BC-CJ-GC	1210362.786	2304023.544	12-06-2015 12:45:07	0.000000	0.000000	0.913906	794.9	39.4	0	-0.023	3.842
BasinCreek06082015_124	BC-CJ-GC	1210511.73	2303988.282	12-06-2015 12:49:45	0.000000	0.000000	0.456669	794.5	39.6	0	-0.019	1.922

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek06082015_125	BC-CJ-GC	1210560.716	2303808.241	12-06-2015 12:56:08	0.000000	0.000000	0.335116	793.5	40.0	0	-0.002	1.414
BasinCreek06082015_126	BC-CJ-GC	1210774.959	2303811.86	12-06-2015 13:03:06	0.000000	0.000000	2.834880	792.6	40.1	0	-0.006	11.979
BasinCreek06082015_127	BC-CJ-GC	1210828.675	2303587.675	12-06-2015 13:08:30	0.000000	0.000000	0.200240	790.6	40.0	0	0	0.848
BasinCreek06082015_128	BC-CJ-GC	1210986.297	2303616.09	12-06-2015 13:15:35	0.000000	0.000000	0.105875	790.5	39.7	0	-0.019	0.448
BasinCreek06082015_129	BC-CJ-GC	1211025.066	2303381.456	12-06-2015 13:22:04	0.000000	0.000000	0.938224	787.9	39.3	0	-0.021	3.978
BasinCreek06082015_130	BC-CJ-GC	1211164.355	2303380.337	12-06-2015 13:30:58	0.000000	0.000000	2.010972	787.9	38.7	0	-0.011	8.51
BasinCreek06082015_131	BC-CJ-GC	1211331.221	2303371.881	12-06-2015 13:36:55	0.000000	0.000000	0.644100	785.9	38.4	-0.241	-0.005	2.73
BasinCreek06082015_132	BC-CJ-GC	1211360.031	2303527.86	12-06-2015 13:44:20	0.210079	0.000000	0.233160	784.0	38.2	0.892	-0.015	0.99
BasinCreek06082015_133	BC-CJ-GC	1211207.772	2303543.362	12-06-2015 13:50:54	0.000000	0.000000	1.735163	785.9	38.0	-0.062	-0.027	7.345
BasinCreek06082015_134	BC-CJ-GC	1210980.843	2303725.229	12-06-2015 13:58:06	0.000000	0.000000	0.138216	786.0	38.0	0	-0.02	0.585
BasinCreek06082015_135	BC-CJ-GC	1211160.901	2303756.165	12-06-2015 14:06:58	0.000000	0.000000	0.177350	787.5	37.5	0	-0.002	0.748
BasinCreek06082015_136	BC-CJ-GC	1211359.464	2303806.491	12-06-2015 14:17:50	0.000000	0.000000	0.500516	788.5	37.6	0	-0.017	2.109
BasinCreek06082015_137	BC-CJ-GC	1211392.347	2303874.393	12-06-2015 14:26:29	0.000000	0.000238	0.535333	790.5	37.6	0	0.001	2.25
BasinCreek06082015_138	BC-CJ-GC	1211219.581	2304001.139	12-06-2015 14:34:59	0.000000	0.000000	0.053325	791.7	37.9	0	-0.025	0.224
BasinCreek06082015_139	BC-CJ-GC	1211178.11	2304189.891	12-06-2015 14:42:27	0.000000	0.000000	0.206339	792.5	38.3	0	-0.014	0.867
BasinCreek06082015_140	BC-CJ-GC	1211371.666	2304198.511	12-06-2015 14:48:53	0.000000	0.000000	0.000000	793.0	38.7	0	-0.013	-7.656
BasinCreek06082015_141	BC-CJ-GC	1210975.105	2304184.009	12-06-2015 14:58:32	0.000000	0.000000	4.589933	791.2	38.9	0	-0.014	19.355
BasinCreek06082015_142	BC-CJ-GC	1210962.756	2304024.193	12-06-2015 15:06:42	0.000000	0.000000	0.051402	793.2	38.6	0	-0.004	0.216
BasinCreek06082015_143	BC-CJ-GC	1210731.972	2303952.432	12-06-2015 15:12:40	0.000000	0.000000	0.439497	790.4	38.2	0	-0.022	1.851
BasinCreek06082015_144	BC-CJ-GC	1210724.579	2304134.409	12-06-2015 15:18:47	0.000000	0.000000	0.307463	790.2	37.9	0	-0.001	1.294
BasinCreek06082015_145	BC-CJ-GC	1210523.272	2304172.06	12-06-2015 15:25:09	0.000000	0.000000	0.385125	792.3	37.6	0	-0.003	1.615
BasinCreek061515_146	BC-CJ-GC	1210284.638	2304753.831	15-06-2015 11:18:48	0.000000	0.000000	0.750420	801.4	28.4	-1578.485	-0.032	3.019
BasinCreek061515_147	BC-CJ-GC	1210358.415	2304607.462	15-06-2015 11:27:42	0.254736	0.000000	0.977556	801.4	31.1	1.034	-0.009	3.968
BasinCreek061515_148	BC-CJ-GC	1210325.181	2304613.88	15-06-2015 11:35:06	0.000000	0.001711	0.636163	799.5	32.7	-2.096	0.007	2.602
BasinCreek061515_149	BC-CJ-GC	1210320.776	2304566.497	15-06-2015 11:43:08	0.000000	0.000000	0.134393	799.5	35.1	0	-0.005	0.554
BasinCreek061515_150	BC-CJ-GC	1210328.115	2304544.79	15-06-2015 11:47:42	0.308378	0.004606	1.759842	800.3	35.6	1.272	0.019	7.259

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061515_151	BC-CJ-GC	1210316.631	2304526.847	15-06-2015 11:56:35	0.000000	0.000000	0.208397	800.5	36.9	0	-0.001	0.863
BasinCreek061515_152	BC-CJ-GC	1210302.387	2304513.491	15-06-2015 12:01:29	0.000000	0.000000	0.708325	800.5	37.4	0	-0.005	2.938
BasinCreek061515_153	BC-CJ-GC	1210312.106	2304521.894	15-06-2015 12:06:08	0.000000	0.000000	0.047430	800.7	37.9	0	-0.001	0.197
BasinCreek061515_154	BC-CJ-GC	1210313.658	2304504.858	15-06-2015 12:09:13	0.000000	0.005052	1.802176	800.6	38.1	-3.214	0.021	7.491
BasinCreek061515_155	BC-CJ-GC	1210329.508	2304513.913	15-06-2015 12:13:02	0.000000	0.004807	1.487028	800.6	38.4	0	0.02	6.187
BasinCreek061515_156	BC-CJ-GC	1210350.601	2304527.744	15-06-2015 12:16:48	0.000000	0.006002	1.804628	800.2	38.6	-0.136	0.025	7.517
BasinCreek061515_157	BC-CJ-GC	1210366.908	2304544.758	15-06-2015 12:19:14	0.000000	0.007195	2.042256	800.2	38.9	0	0.03	8.515
BasinCreek061515_158	BC-CJ-GC	1210309.01	2304505.714	15-06-2015 12:22:25	776.823300	0.014374	6.460928	799.8	39.1	3242.591	0.06	26.969
BasinCreek061515_159	BC-CJ-GC	1210302.33	2304497.572	15-06-2015 12:27:21	0.000000	0.011492	1.684980	800.3	39.5	-7650.079	0.048	7.038
BasinCreek061515_160	BC-CJ-GC	1210410.358	2304468.212	15-06-2015 12:36:04	0.000000	0.014327	1.209920	800.5	40.4	0	0.06	5.067
BasinCreek061515_161	BC-CJ-GC	1210518.267	2304395.415	15-06-2015 12:40:20	0.000000	0.010253	0.520501	800.6	40.9	0	0.043	2.183
BasinCreek061515_162	BC-CJ-GC	1210563.695	2304573.901	15-06-2015 12:46:46	0.000000	0.009750	0.742457	800.3	41.6	0	0.041	3.122
BasinCreek061515_163	BC-CJ-GC	1210547.067	2304813.117	15-06-2015 12:53:27	0.000000	0.008779	1.145250	799.7	42.1	-3.057	0.037	4.827
BasinCreek061515_164	BC-CJ-GC	1210525.434	2304978.513	15-06-2015 12:58:46	0.157854	0.009466	0.598755	798.7	42.5	0.667	0.04	2.53
BasinCreek061515_165	BC-CJ-GC	1210799.202	2305016.312	15-06-2015 13:06:54	0.000000	0.008242	0.070176	796.0	43.0	0	0.035	0.298
BasinCreek061515_166	BC-CJ-GC	1210685.835	2304779.895	15-06-2015 13:15:02	0.000000	0.000000	0.577578	796.0	43.3	0	0	2.455
BasinCreek061515_167	BC-CJ-GC	1210749.303	2304581.4	15-06-2015 13:22:20	0.000000	0.000000	1.023125	797.2	43.5	0	-0.002	4.345
BasinCreek061515_168	BC-CJ-GC	1210724.807	2304416.987	15-06-2015 13:28:06	0.000000	0.004945	0.625178	797.2	43.5	0	0.021	2.655
BasinCreek061515_169A	BC-CJ-GC	1210943.181	2304343.036	15-06-2015 13:36:02	0.150938	0.000000	2.428478	799.7	43.5	0.639	-0.003	10.281
BasinCreek061515_170	BC-CJ-GC	1210923.962	2304610.934	15-06-2015 13:47:10	2.949991	0.000000	0.236678	799.1	43.9	12.514	-0.004	1.004
BasinCreek061515_171	BC-CJ-GC	1210909.985	2304795.858	15-06-2015 13:52:43	0.000000	0.000000	0.358413	795.9	44.0	0	-0.001	1.527
BasinCreek061515_172	BC-CJ-GC	1210954.653	2304985.132	15-06-2015 13:58:08	0.000000	0.000000	0.713501	794.8	44.1	-4.268	-0.015	3.045
BasinCreek061515_173	BC-CJ-GC	1211222.813	2304985.621	15-06-2015 14:04:08	0.000000	0.000000	0.353944	794.8	44.2	-3.046	-0.013	1.511
BasinCreek061515_174	BC-CJ-GC	1211195.998	2304757.887	15-06-2015 14:11:10	0.000000	0.000000	1.070389	791.6	44.2	-1.947	-0.024	4.588
BasinCreek061515_175	BC-CJ-GC	1211120.578	2304627.61	15-06-2015 14:18:10	0.000000	0.000000	0.728598	791.6	44.1	0	-0.003	3.122
BasinCreek061515_176	BC-CJ-GC	1211172.209	2304349.379	15-06-2015 14:26:52	0.000000	0.000000	0.647463	793.7	44.1	-3.415	-0.008	2.767

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061515_177	BC-CJ-GC	1211364.913	2304417.056	15-06-2015 14:33:39	0.000000	0.000000	0.981579	797.6	44.3	-1.105	-0.011	4.177
BasinCreek061515_178	BC-CJ-GC	1211328.169	2304607.768	15-06-2015 14:42:28	0.000000	0.000000	0.345614	796.0	44.8	-0.144	-0.021	1.476
BasinCreek061515_179	BC-CJ-GC	1211388.163	2304788.848	15-06-2015 14:49:51	0.000000	0.000000	0.927320	792.9	45.3	-1.839	-0.006	3.982
BasinCreek061515_180	BC-CJ-GC	1211360.42	2305034.614	15-06-2015 15:05:06	0.000000	0.000000	0.107597	790.5	45.0	-0.01	-0.005	0.463
BasinCreek061515_181	BC-CJ-GC	1211575.21	2304977.039	15-06-2015 15:11:07	0.000000	0.000000	0.593638	791.2	44.6	0	-0.001	2.549
BasinCreek061515_182	BC-CJ-GC	1211523.833	2304722.843	15-06-2015 15:16:48	0.000000	0.000000	1.178988	789.8	44.2	0	-0.009	5.065
BasinCreek061515_183	BC-CJ-GC	1211544.082	2304584.75	15-06-2015 15:23:00	0.000000	0.000000	0.720750	789.4	44.0	0	-0.01	3.096
BasinCreek061515_184	BC-CJ-GC	1211578.776	2304401.23	15-06-2015 15:39:02	0.000000	0.000000	0.118420	791.7	44.5	-1.19	-0.019	0.508
BasinCreek061515_185	BC-CJ-GC	1211540.946	2304180.902	15-06-2015 15:45:48	0.000000	0.000000	0.598513	793.9	44.7	0	-0.003	2.562
BasinCreek061515_186	BC-CJ-GC	1211720.122	2304140.911	15-06-2015 15:52:01	0.000000	0.000000	0.930121	793.0	44.7	-2.66	-0.02	3.986
BasinCreek061515_187	BC-CJ-GC	1211745.919	2304359.095	15-06-2015 16:00:07	0.000000	0.000000	0.406549	790.8	44.5	-0.671	-0.015	1.746
BasinCreek061515_188	BC-CJ-GC	1211767.31	2304602.497	15-06-2015 16:09:48	0.000000	0.000000	1.121136	791.6	44.1	-0.125	-0.007	4.804
BasinCreek061515_189	BC-CJ-GC	1211781.514	2304794.421	15-06-2015 16:16:02	0.000000	0.000000	0.628804	789.5	43.8	-2.17	-0.005	2.699
BasinCreek061515_190	BC-CJ-GC	1211786.346	2305013.549	15-06-2015 16:21:42	0.000000	0.000000	0.392483	787.9	43.6	-0.001	-0.004	1.687
BasinCreek061515_191	BC-CJ-GC	1211752.243	2305131.402	15-06-2015 16:28:29	0.000000	0.000000	0.462952	788.2	43.1	0	-0.007	1.986
BasinCreek061615_01	BC-CJ-GC	1211927.27	2305099.608	16-06-2015 08:27:59	0.000000	0.000000	0.161343	791.9	25.7	-1.12	-0.009	0.651
BasinCreek061615_02	BC-CJ-GC	1212026.43	2304954.994	16-06-2015 08:33:38	0.000000	0.003466	0.775174	792.4	26.2	-0.993	0.014	3.131
BasinCreek061615_03	BC-CJ-GC	1211945.716	2304996.302	16-06-2015 08:36:46	0.000000	0.000000	1.557346	790.7	26.4	-2.143	0	6.308
BasinCreek061615_04	BC-CJ-GC	1211938.895	2304936.932	16-06-2015 08:40:24	0.633685	0.002468	0.928072	791.1	26.7	2.568	0.01	3.761
BasinCreek061615_05	BC-CJ-GC	1211951.354	2304950.398	16-06-2015 08:43:05	0.000000	0.002465	0.854699	790.9	27.0	-0.97	0.01	3.468
BasinCreek061615_06	BC-CJ-GC	1211960.235	2304923.879	16-06-2015 08:45:59	17.969420	0.000000	2.334535	790.9	27.3	72.985	-0.005	9.482
BasinCreek061615_07	BC-CJ-GC	1211989.78	2304903.177	16-06-2015 08:48:53	0.000000	0.001721	0.493641	790.5	27.6	0	0.007	2.008
BasinCreek061615_08	BC-CJ-GC	1211911.167	2304734.804	16-06-2015 08:53:42	0.000000	0.004907	1.005386	790.2	28.1	0	0.02	4.098
BasinCreek061615_09	BC-CJ-GC	1211951.499	2304536.91	16-06-2015 08:57:51	0.000000	0.001474	0.360460	792.2	28.4	0	0.006	1.467
BasinCreek061615_10	BC-CJ-GC	1211960.534	2304396.217	16-06-2015 09:01:24	0.000000	0.000000	0.644896	791.7	28.6	0	0	2.628
BasinCreek061615_11	BC-CJ-GC	1211987.067	2304203.766	16-06-2015 09:05:39	0.000000	0.003187	0.554977	791.9	29.0	0	0.013	2.264

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061615_12	BC-CJ-GC	1212170.249	2304184.671	16-06-2015 09:11:12	0.000000	0.000000	0.188123	793.4	29.4	0	-0.012	0.767
BasinCreek061615_13	BC-CJ-GC	1212325.415	2304129.733	16-06-2015 09:14:59	0.000000	0.000244	0.000000	791.1	29.7	0	0.001	-0.037
BasinCreek061615_14	BC-CJ-GC	1212585.438	2304150.634	16-06-2015 09:20:21	0.000000	0.000000	2.118449	789.3	30.2	0	-0.01	8.705
BasinCreek061615_15	BC-CJ-GC	1212721.623	2304171.69	16-06-2015 09:24:18	0.000000	0.000000	0.142078	787.4	30.6	0	-0.009	0.586
BasinCreek061615_16	BC-CJ-GC	1212739.437	2304000.567	16-06-2015 09:28:06	0.000000	0.000000	0.313435	785.6	30.9	0	-0.001	1.297
BasinCreek061615_17	BC-CJ-GC	1212885.109	2303964.885	16-06-2015 09:31:37	0.000000	0.000000	0.307081	784.7	31.1	0	-0.003	1.273
BasinCreek061615_18	BC-CJ-GC	1213089.708	2303912.645	16-06-2015 09:36:25	0.000000	0.000000	0.153294	783.6	31.4	0	-0.013	0.637
BasinCreek061615_19	BC-CJ-GC	1213124.84	2303907.356	16-06-2015 09:38:57	0.000000	0.000000	0.047998	781.7	31.5	-2.517	0	0.2
BasinCreek061615_20	BC-CJ-GC	1213341.044	2303949.776	16-06-2015 09:43:32	0.000000	0.000000	0.374616	781.2	31.7	0	-0.008	1.563
BasinCreek061615_21	BC-CJ-GC	1213530.465	2303945.49	16-06-2015 09:47:24	0.000000	0.001674	0.379416	779.5	31.8	-0.514	0.007	1.587
BasinCreek061615_22	BC-CJ-GC	1213524.252	2303792.947	16-06-2015 09:53:30	0.000000	0.000955	0.561987	778.9	32.0	-1.052	0.004	2.354
BasinCreek061615_23	BC-CJ-GC	1213720.232	2303757.988	16-06-2015 09:57:57	0.000000	0.006208	0.231349	779.2	32.1	0	0.026	0.969
BasinCreek061615_24	BC-CJ-GC	1213730.765	2303958.771	16-06-2015 10:02:20	0.000000	0.000000	0.311146	777.8	32.2	0	0	1.306
BasinCreek061615_25	BC-CJ-GC	1213971.489	2303952.929	16-06-2015 10:08:02	0.000000	0.000000	0.383034	777.7	32.4	-1.513	-0.003	1.609
BasinCreek061615_26	BC-CJ-GC	1213918.662	2304135.169	16-06-2015 10:13:31	0.000000	0.000000	0.424812	777.3	32.5	0	-0.002	1.786
BasinCreek061615_27	BC-CJ-GC	1213746.916	2304133.17	16-06-2015 10:18:30	0.000000	0.000000	0.387695	777.5	32.4	0	-0.018	1.629
BasinCreek061615_28	BC-CJ-GC	1213747.101	2304320.553	16-06-2015 10:23:38	0.000000	0.000000	0.103423	778.5	32.4	-1.414	0	0.434
BasinCreek061615_29	BC-CJ-GC	1213573.286	2304320.667	16-06-2015 10:29:15	0.000000	0.000000	0.688639	780.6	32.4	0	-0.011	2.882
BasinCreek061615_30	BC-CJ-GC	1213504.674	2304160.919	16-06-2015 10:33:00	0.000000	0.000000	0.408020	779.5	32.4	-1.065	0	1.71
BasinCreek061615_31	BC-CJ-GC	1213396.77	2304145.776	16-06-2015 10:36:43	0.000000	0.000000	0.336388	779.3	32.8	0	-0.004	1.412
BasinCreek061615_32	BC-CJ-GC	1213124.031	2304111.088	16-06-2015 10:42:04	0.000000	0.000000	0.199287	779.7	33.5	0	-0.003	0.838
BasinCreek061615_33	BC-CJ-GC	1213136.068	2304151.099	16-06-2015 10:44:40	0.000000	0.000000	0.161213	782.4	33.7	-1.096	-0.016	0.676
BasinCreek061615_34	BC-CJ-GC	1212941.118	2304124.191	16-06-2015 10:49:36	0.000000	0.000000	0.472703	782.8	34.3	0	-0.023	1.985
BasinCreek061615_35	BC-CJ-GC	1212936.243	2304391.32	16-06-2015 10:55:28	0.000000	0.000000	0.599532	784.2	34.9	0	-0.008	2.518
BasinCreek061615_36	BC-CJ-GC	1213163.818	2304341.553	16-06-2015 10:59:38	0.000000	0.000000	0.492750	783.9	35.3	0	-0.018	2.073
BasinCreek061615_37	BC-CJ-GC	1213392.274	2304417.275	16-06-2015 11:05:02	0.000000	0.000000	0.317601	782.0	35.9	0	-0.019	1.342

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061615_38	BC-CJ-GC	1213537.802	2304535.719	16-06-2015 11:09:35	0.000000	0.000000	1.717112	782.1	36.3	0	-0.015	7.264
BasinCreek061615_39	BC-CJ-GC	1213357.758	2304579.145	16-06-2015 11:14:23	1.281686	0.000000	5.094638	782.1	36.7	5.429	-0.027	21.58
BasinCreek061615_40	BC-CJ-GC	1213165.53	2304568.333	16-06-2015 11:17:55	0.000000	0.000000	0.676409	782.1	36.9	0	-0.003	2.867
BasinCreek061615_41	BC-CJ-GC	1212942.091	2304570.51	16-06-2015 11:22:07	0.000000	0.000000	0.634124	782.5	37.2	0	-0.008	2.689
BasinCreek061615_42	BC-CJ-GC	1212763.994	2304514.871	16-06-2015 11:26:16	0.000000	0.000000	0.594464	783.2	37.5	0	-0.009	2.521
BasinCreek061615_43	BC-CJ-GC	1212740.911	2304369.968	16-06-2015 11:30:30	0.000000	0.000000	0.853355	783.9	37.7	-0.446	-0.031	3.618
BasinCreek061615_44	BC-CJ-GC	1212588.072	2304426.118	16-06-2015 11:34:22	0.000000	0.000000	0.655560	784.8	37.9	0	-0.008	2.778
BasinCreek061615_45	BC-CJ-GC	1212583.152	2304548.753	16-06-2015 11:37:54	3.354562	0.000000	9.142649	785.1	38.1	14.219	-0.008	38.753
BasinCreek061615_46	BC-CJ-GC	1212328.608	2304574.63	16-06-2015 11:42:46	0.000000	0.000000	1.090573	785.2	38.3	0	-0.025	4.625
BasinCreek061615_47	BC-CJ-GC	1212368.55	2304468.495	16-06-2015 11:48:23	2.400452	0.000000	9.854563	787.1	38.5	10.162	-0.063	41.718
BasinCreek061615_48	BC-CJ-GC	1212358.351	2304414.251	16-06-2015 11:51:10	0.000000	0.000000	1.887616	787.8	38.7	0	-0.02	7.989
BasinCreek061615_49	BC-CJ-GC	1212154.592	2304360.253	16-06-2015 11:54:49	0.000000	0.000000	0.814859	788.5	39.0	0	-0.029	3.449
BasinCreek061615_50	BC-CJ-GC	1212166.47	2304557.421	16-06-2015 11:59:17	0.000000	0.000000	0.559634	789.5	39.3	0	-0.005	2.368
BasinCreek061615_51	BC-CJ-GC	1212218.794	2304780.879	16-06-2015 12:03:00	0.000000	0.000000	0.595396	788.6	39.4	0	-0.033	2.523
BasinCreek061615_52	BC-CJ-GC	1212344.186	2304775.659	16-06-2015 12:06:21	0.000000	0.000000	0.406896	788.5	39.5	0	-0.038	1.725
BasinCreek061615_53	BC-CJ-GC	1212570.271	2304729.675	16-06-2015 12:10:22	0.000000	0.000000	0.083557	787.3	39.7	0	-0.045	0.355
BasinCreek061615_54	BC-CJ-GC	1212756.51	2304749.208	16-06-2015 12:13:52	0.000000	0.000000	0.277573	786.0	39.9	0	-0.028	1.182
BasinCreek061615_55	BC-CJ-GC	1212927.886	2304772.182	16-06-2015 12:19:16	0.000000	0.000000	0.351186	785.4	40.4	0	-0.044	1.499
BasinCreek061615_56	BC-CJ-GC	1212955.618	2304818.566	16-06-2015 12:21:37	0.000000	0.000000	0.493108	784.2	40.4	-3.452	-0.008	2.108
BasinCreek061615_57	BC-CJ-GC	1212961.925	2304906.841	16-06-2015 12:25:05	53.733750	0.005614	7.761064	784.7	40.6	229.708	0.024	33.178
BasinCreek061615_58	BC-CJ-GC	1213156.327	2304790.482	16-06-2015 12:31:29	0.000000	0.000000	0.992828	785.5	40.9	0	-0.047	4.244
BasinCreek061615_59	BC-CJ-GC	1213139.029	2304730.386	16-06-2015 12:34:45	5.914287	0.011661	4.810678	783.6	41.1	25.359	0.05	20.627
BasinCreek061615_60	BC-CJ-GC	1213387.944	2304733.993	16-06-2015 12:39:33	1.344434	0.012104	7.191185	782.8	41.4	5.776	0.052	30.895
BasinCreek061615_61	BC-CJ-GC	1213404.601	2304786.535	16-06-2015 12:42:19	0.000000	0.000000	0.228559	783.8	41.5	0	-0.03	0.981
BasinCreek061615_62	BC-CJ-GC	1213509.683	2304751.002	16-06-2015 12:45:29	0.000000	0.000000	0.022843	784.4	41.6	-1.293	-0.051	0.098
BasinCreek061615_63	BC-CJ-GC	1213587.803	2304749.156	16-06-2015 12:47:58	0.000000	0.000000	0.138090	783.9	41.7	0	-0.039	0.593

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061615_64	BC-CJ-GC	1213374.074	2304940.233	16-06-2015 12:52:37	0.000000	0.000000	0.196050	784.3	41.9	0	-0.068	0.842
BasinCreek061615_65	BC-CJ-GC	1213161.824	2305007.963	16-06-2015 12:56:29	0.000000	0.000000	0.104216	787.1	41.9	0	-0.035	0.446
BasinCreek061615_66	BC-CJ-GC	1212739.89	2305141.483	16-06-2015 13:02:54	0.000000	0.000000	0.792473	787.7	42.1	0	-0.022	3.391
BasinCreek061615_67	BC-CJ-GC	1212730.8	2304975.316	16-06-2015 13:06:40	1.965374	0.006302	5.240451	787.0	42.2	8.42	0.027	22.451
BasinCreek061615_68	BC-CJ-GC	1212523.42	2304961.721	16-06-2015 13:10:27	0.000000	0.000000	0.078825	786.3	42.2	-0.41	-0.044	0.338
BasinCreek061615_69	BC-CJ-GC	1212357.169	2304952.376	16-06-2015 13:15:07	4.468561	0.005837	1.554353	787.5	42.3	19.138	0.025	6.657
BasinCreek061615_70	BC-CJ-GC	1212135.035	2304968.5	16-06-2015 13:19:14	0.000000	0.000000	1.179264	787.9	42.3	0	-0.08	5.048
BasinCreek061615_100	BC-CJ-GC	1213363.478	2305369.418	17-06-2015 11:00:00	0.000000	0.000000	0.585320	786.2	41.3	0	-0.041	2.503
BasinCreek061615_101	BC-CJ-GC	1213290.716	2305370.603	17-06-2015 11:02:59	87.693180	0.003977	11.446810	786.6	41.3	374.811	0.017	48.925
BasinCreek061615_102	BC-CJ-GC	1213160.959	2305392.396	17-06-2015 11:06:17	0.000000	0.000000	1.655226	787.7	41.4	0	-0.015	7.067
BasinCreek061615_103	BC-CJ-GC	1213152.506	2305524.423	17-06-2015 11:10:37	0.000000	0.000000	1.258393	788.6	41.6	0	-0.007	5.37
BasinCreek061615_104	BC-CJ-GC	1213136.019	2305740.176	17-06-2015 11:14:59	0.000000	0.000000	0.415195	789.7	41.9	0	-0.036	1.771
BasinCreek061615_105	BC-CJ-GC	1213230.094	2305824.974	17-06-2015 11:18:41	0.000000	0.000000	1.438463	788.5	42.0	0	-0.018	6.147
BasinCreek061615_106	BC-CJ-GC	1213108.516	2305934.846	17-06-2015 11:22:32	0.000000	0.000000	0.557898	790.1	42.1	0	-0.008	2.38
BasinCreek061615_107	BC-CJ-GC	1212916.677	2306010.537	17-06-2015 11:26:20	0.000000	0.000000	0.200788	790.2	42.3	0	-0.044	0.857
BasinCreek061615_108	BC-CJ-GC	1212775.01	2305995.982	17-06-2015 11:29:19	0.000000	0.000000	0.559448	791.8	42.3	0	-0.022	2.383
BasinCreek061615_109	BC-CJ-GC	1212947.302	2306127.652	17-06-2015 11:33:24	0.000000	0.000000	0.077507	792.4	42.4	0	-0.06	0.33
BasinCreek061615_110	BC-CJ-GC	1213168.251	2306357.889	17-06-2015 11:38:41	0.000000	0.000000	0.292394	792.6	42.5	0	-0.014	1.245
BasinCreek061615_111	BC-CJ-GC	1213205.351	2306219.243	17-06-2015 11:43:43	0.000000	0.000000	0.245988	792.4	42.6	0	-0.015	1.048
BasinCreek061615_112	BC-CJ-GC	1213311.496	2306168.108	17-06-2015 11:47:21	0.000000	0.000000	0.015465	791.3	42.7	0	-0.02	0.066
BasinCreek061615_113	BC-CJ-GC	1213322.532	2305998.898	17-06-2015 11:50:54	0.000000	0.000000	0.539364	790.8	42.8	-0.188	-0.025	2.304
BasinCreek061615_114	BC-CJ-GC	1213367.774	2305720.453	17-06-2015 11:55:23	0.000000	0.000000	0.620821	789.8	43.0	0	-0.025	2.657
BasinCreek061615_115	BC-CJ-GC	1213444.795	2305686.382	17-06-2015 11:58:03	0.442514	0.012830	0.717073	788.5	43.0	1.897	0.055	3.074
BasinCreek061615_116	BC-CJ-GC	1213385.592	2305557.26	17-06-2015 12:01:21	0.000000	0.000000	0.386788	788.1	43.2	0	-0.068	1.66
BasinCreek061615_117	BC-CJ-GC	1213526.301	2305528.271	17-06-2015 12:04:50	0.000000	0.000000	1.119709	787.7	43.4	0	0	4.811
BasinCreek061615_118	BC-CJ-GC	1213590.268	2305724.361	17-06-2015 12:08:15	0.000000	0.000000	0.200457	787.8	43.7	0	-0.065	0.862

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061615_119	BC-CJ-GC	1213517.459	2305962.063	17-06-2015 12:14:29	0.000000	0.000000	0.226020	789.3	44.0	0	-0.05	0.971
BasinCreek061615_120	BC-CJ-GC	1213569.76	2306182.639	17-06-2015 12:19:34	0.000000	0.000000	0.331802	790.6	44.2	0	-0.115	1.424
BasinCreek061615_121	BC-CJ-GC	1213680.951	2306190.61	17-06-2015 12:23:02	0.000000	0.000000	0.343344	792.5	44.2	0	-0.052	1.47
BasinCreek061615_122	BC-CJ-GC	1213804.452	2306337.522	17-06-2015 12:27:05	0.000000	0.000000	0.187670	792.0	44.2	0	-0.07	0.804
BasinCreek061615_123	BC-CJ-GC	1213947.721	2306381.915	17-06-2015 12:30:34	0.000000	0.000000	0.051313	791.4	44.2	0	-0.031	0.22
BasinCreek061615_124	BC-CJ-GC	1214115.154	2306413.862	17-06-2015 12:34:06	0.000000	0.000000	0.524832	791.0	44.3	0	-0.12	2.252
BasinCreek061615_125	BC-CJ-GC	1214193.122	2306618.515	17-06-2015 12:40:01	2.657125	0.005811	1.226401	789.7	44.6	11.431	0.025	5.276
BasinCreek061615_126	BC-CJ-GC	1214111.342	2306771.794	17-06-2015 12:44:43	0.000000	0.000000	0.122446	788.1	44.7	0	-0.099	0.528
BasinCreek061615_127	BC-CJ-GC	1213959.026	2306576.085	17-06-2015 12:48:46	0.000000	0.000000	0.116368	786.7	44.9	0	-0.064	0.503
BasinCreek061615_128	BC-CJ-GC	1213932.014	2306744.051	17-06-2015 12:52:40	0.000000	0.000000	0.606171	787.3	45.0	0	-0.107	2.619
BasinCreek061615_129	BC-CJ-GC	1213702.324	2306573.642	17-06-2015 12:58:22	0.000000	0.000000	0.960687	788.5	45.2	0	-0.036	4.147
BasinCreek061615_130	BC-CJ-GC	1213565.962	2306556.247	17-06-2015 13:01:23	0.000000	0.000000	0.504633	789.6	45.3	0	-0.124	2.176
BasinCreek061615_131	BC-CJ-GC	1213564.822	2306370.591	17-06-2015 13:05:14	0.000000	0.000000	0.131808	790.1	45.3	0	0	0.568
BasinCreek061615_132	BC-CJ-GC	1213308.651	2306540.426	17-06-2015 13:12:07	0.000000	0.000000	0.225364	790.8	45.2	0	-0.106	0.97
BasinCreek061615_133	BC-CJ-GC	1213361.071	2306413.188	17-06-2015 13:16:30	0.000000	0.000000	0.239969	792.5	45.0	0	-0.163	1.03
BasinCreek061615_71	BC-CJ-GC	1212124.628	2305150.607	17-06-2015 08:24:47	0.000000	0.000000	0.276410	789.0	27.2	-0.09	-0.014	1.125
BasinCreek061615_72	BC-CJ-GC	1212300.678	2305138.07	17-06-2015 08:29:09	0.000000	0.000000	0.063110	789.1	27.4	0	-0.005	0.257
BasinCreek061615_73	BC-CJ-GC	1212511.094	2305150.337	17-06-2015 08:34:04	1.292163	0.000000	0.564263	789.4	27.8	5.267	-0.009	2.3
BasinCreek061615_74	BC-CJ-GC	1212317.463	2305326.908	17-06-2015 08:38:38	0.000000	0.000000	0.402167	789.4	28.3	0	-0.006	1.642
BasinCreek061615_75	BC-CJ-GC	1212184.582	2305577.818	17-06-2015 08:47:24	0.000000	0.000000	0.426467	791.4	29.2	0	-0.009	1.742
BasinCreek061615_76	BC-CJ-GC	1212386.355	2305572.004	17-06-2015 08:51:32	0.000000	0.000000	0.285228	792.5	29.6	0	-0.005	1.165
BasinCreek061615_77	BC-CJ-GC	1212505.952	2305780.375	17-06-2015 08:56:15	0.000000	0.000000	1.068077	791.0	30.1	0	-0.013	4.378
BasinCreek061615_78	BC-CJ-GC	1212523.772	2305550.34	17-06-2015 09:00:46	0.000000	0.000000	0.339122	791.5	30.5	0	-0.013	1.391
BasinCreek061615_79	BC-CJ-GC	1212507.841	2305364.114	17-06-2015 09:05:58	0.000000	0.000000	0.137820	789.3	31.1	0	-0.004	0.568
BasinCreek061615_80	BC-CJ-GC	1212642.58	2305107.783	17-06-2015 09:15:15	0.000000	0.000000	1.164857	787.9	32.6	0	-0.014	4.833
BasinCreek061615_81	BC-CJ-GC	1212771.504	2305383.982	17-06-2015 09:21:57	1.792629	0.002638	1.026313	787.4	33.9	7.474	0.011	4.279

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
BasinCreek061615_82	BC-CJ-GC	1212797.33	2305342.57	17-06-2015 09:25:09	1.499630	0.007205	1.091339	790.0	34.5	6.244	0.03	4.544
BasinCreek061615_83	BC-CJ-GC	1212770.244	2305514.121	17-06-2015 09:30:05	0.000000	0.000000	0.864004	789.3	35.3	-0.729	-0.024	3.61
BasinCreek061615_84	BC-CJ-GC	1212797.567	2305501.346	17-06-2015 09:33:02	51.193960	0.009102	3.036207	791.2	35.8	213.732	0.038	12.676
BasinCreek061615_85	BC-CJ-GC	1212766.538	2305618.046	17-06-2015 09:38:18	0.000000	0.000000	0.515855	791.8	36.8	-0.364	-0.03	2.159
BasinCreek061615_86	BC-CJ-GC	1212805.578	2305716.026	17-06-2015 09:42:55	0.000000	0.000000	0.202635	791.8	37.5	0	-0.03	0.85
BasinCreek061615_87	BC-CJ-GC	1212896.516	2305800.72	17-06-2015 09:50:13	0.000000	0.000000	1.921775	793.3	38.5	-5.54	-0.081	8.072
BasinCreek061615_88	BC-CJ-GC	1212957.483	2305577.493	17-06-2015 09:58:50	0.000000	0.000000	0.771275	791.8	39.2	-2.644	-0.038	3.253
BasinCreek061615_89	BC-CJ-GC	1212951.862	2305353.67	17-06-2015 10:07:26	0.000000	0.000000	0.240124	791.6	39.5	0	-0.005	1.014
BasinCreek061615_90	BC-CJ-GC	1212981.101	2305206.876	17-06-2015 10:12:44	0.000000	0.000000	0.206039	790.6	39.8	0	-0.002	0.872
BasinCreek061615_91	BC-CJ-GC	1213159.596	2305137.018	17-06-2015 10:18:28	0.000000	0.000000	0.081751	789.3	40.2	0	-0.05	0.347
BasinCreek061615_92	BC-CJ-GC	1213376.067	2305149.027	17-06-2015 10:26:46	0.000000	0.000000	0.168620	788.9	40.6	0	-0.031	0.717
BasinCreek061615_93	BC-CJ-GC	1213566.85	2305134.536	17-06-2015 10:31:55	0.000000	0.000000	0.123363	785.5	40.7	0	-0.018	0.527
BasinCreek061615_94	BC-CJ-GC	1213637.068	2305113.205	17-06-2015 10:34:19	15.297900		2.820740	784.2	40.7	65.46		12.07
BasinCreek061615_95	BC-CJ-GC	1213524.052	2304978.651	17-06-2015 10:38:45	0.000000	0.000000	0.321315	784.4	40.8	-1.38	-0.062	1.375
BasinCreek061615_96	BC-CJ-GC	1213776.5	2304942.924	17-06-2015 10:42:48	0.000000	0.000000	0.441864	783.6	41.0	-2.272	-0.045	1.894
BasinCreek061615_97	BC-CJ-GC	1213778.433	2305131.114	17-06-2015 10:46:49	0.000000	0.000000	0.301888	783.5	41.2	0	-0.041	1.295
BasinCreek061615_98	BC-CJ-GC	1213756.361	2305363.367	17-06-2015 10:53:08	0.000000	0.000000	0.059498	784.7	41.4	0	-0.027	0.255
BasinCreek061615_99	BC-CJ-GC	1213586.536	2305361.009	17-06-2015 10:56:27	0.000000	0.000000	0.249749	786.2	41.3	0	-0.026	1.068
GunClub061815_01	BC-CJ-GC	1214560.5389	2310160.674495	18-06-2015 11:42:20	0.000000	0.000000	0.034018	809.6	31.8	0	-0.01	0.137
GunClub061815_02	BC-CJ-GC	1214526.020678	2310099.647475	18-06-2015 11:46:58	258.265800	0.006436	2.885194	810.3	33.0	1043.288	0.026	11.655
GunClub061815_03	BC-CJ-GC	1214559.467366	2310127.973389	18-06-2015 11:50:12	0.000000	0.000000	0.807321	809.5	33.8	-0.027	-0.037	3.273
GunClub061815_04	BC-CJ-GC	1214540.409689	2310145.332524	18-06-2015 11:53:04	227.214200	0.000000	3.858764	810.0	34.5	922.691	-0.029	15.67
GunClub061815_05	BC-CJ-GC	1214365.28977	2310136.848971	18-06-2015 11:58:33	0.000000	0.013491	1.310120	810.0	35.7	-55.572	0.055	5.341
GunClub061815_06	BC-CJ-GC	1214173.490206	2310161.862974	18-06-2015 12:08:56	0.000000	0.011439	0.273072	809.4	37.9	0	0.047	1.122
GunClub061815_07	BC-CJ-GC	1214153.280542	2310324.717063	18-06-2015 12:15:43	0.000000	0.010660	0.515781	808.8	39.1	-0.049	0.044	2.129
GunClub061815_08	BC-CJ-GC	1214405.715956	2310346.712085	18-06-2015 12:21:20	0.000000	0.005082	1.407567	810.3	40.0	0	0.021	5.816

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
GunClub061815_09	BC-CJ-GC	1214534.288082	2310342.32411	18-06-2015 12:25:27	0.000000	0.003865	0.407068	810.4	40.6	0	0.016	1.685
GunClub061815_10	BC-CJ-GC	1214737.478091	2310294.301193	18-06-2015 12:31:19	0.000000	0.000000	0.120205	810.4	41.5	0	-0.005	0.499
GunClub061815_11	BC-CJ-GC	1214898.401965	2310304.407235	18-06-2015 12:36:03	0.000000	0.000000	0.301910	810.2	42.1	0	-0.005	1.256
GunClub061815_12	BC-CJ-GC	1214898.208021	2310345.045817	18-06-2015 12:43:19	12.611300	0.040508	1.124626	810.2	43.0	52.615	0.169	4.692
GunClub061815_13	BC-CJ-GC	1214957.636328	2310358.214521	18-06-2015 12:48:32	12.101160	0.000000	0.501802	810.4	43.6	50.57	-0.008	2.097
GunClub061815_14	BC-CJ-GC	1215135.012279	2310330.712371	18-06-2015 12:57:47	0.000000	0.004295	0.487912	810.3	44.5	0	0.018	2.045
GunClub061815_15	BC-CJ-GC	1215173.679946	2310331.879674	18-06-2015 13:02:46	0.000000	0.000000	0.857576	809.8	44.8	0	-0.003	3.6
GunClub061815_16	BC-CJ-GC	1215154.865509	2310341.18279	18-06-2015 13:05:55	0.000000	0.001666	0.811887	809.9	45.1	0	0.007	3.411
GunClub061815_17	BC-CJ-GC	1215222.008024	2310291.255976	18-06-2015 13:09:41	0.000000	0.008800	0.405044	809.8	45.3	0	0.037	1.703
GunClub061815_18	BC-CJ-GC	1215372.635622	2310589.615662	18-06-2015 13:40:36	0.000000	0.018035	0.669204	809.5	45.9	0	0.076	2.82
GunClub061815_19	BC-CJ-GC	1215167.312266	2310581.824154	18-06-2015 13:47:35	0.000000	0.000000	0.623907	809.5	45.4	0	-0.01	2.625
GunClub061815_20	BC-CJ-GC	1214951.859458	2310578.375164	18-06-2015 13:54:06	0.000000	0.000000	0.467241	809.5	45.1	0	-0.028	1.964
GunClub061815_21	BC-CJ-GC	1214727.783497	2310540.667933	18-06-2015 14:26:31	0.000000	0.000000	0.351912	809.7	44.7	-5.924	0	1.477
GunClub061815_22	BC-CJ-GC	1214546.490325	2310541.236773	18-06-2015 14:30:06	0.000000	0.000000	0.468304	809.4	44.5	0	-0.009	1.965
GunClub061815_23	BC-CJ-GC	1214345.60984	2310564.609699	18-06-2015 14:34:36	0.000000	0.000000	0.471434	809.2	44.4	0	-0.033	1.978
GunClub061815_24	BC-CJ-GC	1214192.130128	2310606.645288	18-06-2015 14:37:59	0.000000	0.000000	0.426919	809.5	44.3	0	-0.007	1.79
GunClub061815_25	BC-CJ-GC	1214154.962803	2310731.725325	18-06-2015 14:42:42	0.000000	0.000000	0.658292	809.2	44.4	0	0	2.762
GunClub061815_26	BC-CJ-GC	1214381.889506	2310735.471009	18-06-2015 14:46:53	0.000000	0.000000	0.234249	808.5	44.5	0	-0.029	0.984
GunClub061815_27	BC-CJ-GC	1214553.045125	2310759.009013	18-06-2015 14:50:35	0.000000	0.000000	0.165833	808.3	44.6	0	-0.035	0.697
GunClub061815_28	BC-CJ-GC	1214756.462414	2310766.150473	18-06-2015 14:54:58	0.000000	0.000000	0.183969	808.0	44.8	0	-0.065	0.774
GunClub061815_29	BC-CJ-GC	1214991.582411	2310733.321184	18-06-2015 14:59:32	0.000000	0.000000	0.167763	808.3	45.0	0	-0.093	0.706
GunClub061815_30	BC-CJ-GC	1215147.119911	2310740.884644	18-06-2015 15:04:38	0.000000	0.000000	2.039617	807.9	45.2	0	-0.042	8.593
GunClub061815_31	BC-CJ-GC	1215360.964592	2310780.930471	18-06-2015 15:09:17	6.532985			808.0	45.3	27.529		
GunClub061815_32	BC-CJ-GC	1215566.399602	2310672.918675	18-06-2015 15:16:50	0.000000	0.000000	0.227203	808.0	45.5	0	-0.003	0.958
GunClub061815_33	BC-CJ-GC	1215773.865255	2310734.874803	18-06-2015 15:28:48	0.000000	0.000000	0.000000	808.0	45.3	0	-0.054	-7.464
GunClub061815_34	BC-CJ-GC	1215963.436006	2310777.887367	18-06-2015 15:33:39	0.000000	0.000000	0.207886	808.0	45.3	0	-0.075	0.876

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction061915_01	BC-CJ-GC	1214758.414141	2310898.883523	19-06-2015 10:24:16	0.000000	0.000000	0.072305	808.9	28.2	-25.101	-0.027	0.288
CarbonJunction061915_02	BC-CJ-GC	1214755.160171	2311368.377406	19-06-2015 10:32:45	0.000000	0.000000	0.069804	809.1	30.4	0	-0.02	0.28
CarbonJunction061915_03	BC-CJ-GC	1214962.807881	2311109.412622	19-06-2015 10:37:09	0.000000	0.000000	0.080759	807.7	31.8	0	-0.015	0.326
CarbonJunction061915_04	BC-CJ-GC	1214771.916914	2311146.648618	19-06-2015 10:40:27	0.000000	0.000000	0.133016	808.5	32.7	0	-0.015	0.538
CarbonJunction061915_05	BC-CJ-GC	1214962.625071	2310960.983161	19-06-2015 10:45:03	0.000000	0.000000	0.195137	808.1	34.0	0	-0.019	0.793
CarbonJunction061915_06	BC-CJ-GC	1215164.375224	2310950.028747	19-06-2015 10:51:25	0.000000	0.000000	0.967479	808.8	35.7	0	-0.015	3.95
CarbonJunction061915_07	BC-CJ-GC	1215952.463811	2310950.572965	19-06-2015 11:08:27	0.000000	0.000000	0.276327	811.1	39.0	0	-0.038	1.137
CarbonJunction061915_08	BC-CJ-GC	1216190.23745	2310936.843904	19-06-2015 11:14:06	0.000000	0.000000	1.984327	807.9	39.6	0	-0.011	8.213
CarbonJunction061915_09	BC-CJ-GC	1215745.372529	2310940.606665	19-06-2015 11:20:21	0.000000	0.000000	0.553317	809.5	40.2	0	-0.042	2.29
CarbonJunction061915_10	BC-CJ-GC	1215545.211872	2310921.467168	19-06-2015 11:23:34	0.000000	0.000000	0.169929	808.3	40.5	0	-0.013	0.705
CarbonJunction061915_11	BC-CJ-GC	1215350.018859	2311098.743201	19-06-2015 11:28:22	0.000000	0.000000	0.293242	808.4	40.9	0	0	1.218
CarbonJunction061915_12	BC-CJ-GC	1215390.718926	2311168.572144	19-06-2015 11:31:10	0.000000	0.000000	0.121588	807.1	41.0	-1.528	-0.053	0.506
CarbonJunction061915_13	BC-CJ-GC	1215379.637885	2311409.694677	19-06-2015 11:35:07	0.000000	0.000000	0.056634	806.8	41.3	0	-0.02	0.236
CarbonJunction061915_14	BC-CJ-GC	1215143.154065	2311244.977908	19-06-2015 11:42:05	0.000000	0.000000	0.172358	806.1	41.8	0	-0.017	0.72
CarbonJunction061915_15	BC-CJ-GC	1214972.069111	2311383.41317	19-06-2015 11:45:57	0.000000	0.000000	0.376416	807.6	41.9	0	-0.025	1.57
CarbonJunction061915_16	BC-CJ-GC	1215550.164029	2311350.634129	19-06-2015 11:52:36	0.078555	0.000000	0.552760	807.5	42.2	0.328	-0.065	2.308
CarbonJunction061915_17	BC-CJ-GC	1215598.055392	2311157.950271	19-06-2015 11:56:09	0.000000	0.000000	3.216866	806.0	42.3	0	-0.029	13.461
CarbonJunction061915_18	BC-CJ-GC	1215791.47022	2311200.048619	19-06-2015 12:01:27	0.000000	0.000000	0.104365	806.5	42.7	0	-0.008	0.437
CarbonJunction061915_19	BC-CJ-GC	1215948.547249	2311203.812326	19-06-2015 12:04:39	0.000000	0.000000	0.053453	806.1	42.8	-0.334	-0.029	0.224
CarbonJunction061915_20	BC-CJ-GC	1215981.839029	2311343.925197	19-06-2015 12:09:37	0.000000	0.000000	0.579261	806.1	43.0	0	-0.017	2.429
CarbonJunction061915_21	BC-CJ-GC	1215764.291066	2311375.555699	19-06-2015 12:14:49	0.000000	0.000000	0.223512	804.5	43.3	0	-0.051	0.94
CarbonJunction061915_22	BC-CJ-GC	1215584.122573	2311511.950525	19-06-2015 12:19:25	0.000000	0.000000	0.040425	804.8	43.4	-4.15	-0.018	0.17
CarbonJunction061915_23	BC-CJ-GC	1215753.972692	2311586.91697	19-06-2015 12:24:18	0.000000	0.000000	0.094742	804.4	43.7	0	-0.075	0.399
CarbonJunction061915_24	BC-CJ-GC	1215734.515407	2311700.900868	19-06-2015 12:28:37	0.000000	0.000000	0.122378	802.4	43.9	0	-0.02	0.517
CarbonJunction061915_25	BC-CJ-GC	1215637.707551	2311733.759397	19-06-2015 12:31:45	0.000000	0.000000	0.191565	802.2	44.1	0	-0.042	0.81
CarbonJunction061915_26	BC-CJ-GC	1215980.235391	2311947.305685	19-06-2015 12:39:04	0.000000	0.000000	0.130815	802.2	44.6	0	0	0.554

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction061915_27	BC-CJ-GC	1215966.989118	2311738.66482	19-06-2015 12:42:15	0.000000	0.000000	0.126665	800.1	44.7	0	-0.076	0.538
CarbonJunction061915_28	BC-CJ-GC	1215966.707134	2311586.692989	19-06-2015 12:46:26	0.000000	0.000000	0.182348	800.1	44.9	0	-0.055	0.775
CarbonJunction061915_29	BC-CJ-GC	1216131.953649	2311613.265871	19-06-2015 12:50:36	0.000000	0.000000	0.123155	801.0	45.0	0	-0.046	0.523
CarbonJunction061915_30	BC-CJ-GC	1216161.365503	2311780.424724	19-06-2015 12:55:25	0.000000	0.000000	0.066892	801.7	45.2	0	-0.096	0.284
CarbonJunction061915_31	BC-CJ-GC	1216158.6308	2311958.78146	19-06-2015 12:58:19	0.000000	0.000000	0.115381	800.1	45.3	0	-0.087	0.491
CarbonJunction061915_32	BC-CJ-GC	1216367.922028	2312143.587317	19-06-2015 13:01:51	0.000000	0.000000	0.180126	800.1	45.5	0	-0.06	0.767
CarbonJunction061915_33	BC-CJ-GC	1216515.481372	2312172.423564	19-06-2015 13:04:56	0.000000	0.000000	0.190690	799.6	45.7	0	-0.09	0.813
CarbonJunction061915_34	BC-CJ-GC	1216586.900087	2312360.571297	19-06-2015 13:08:45	0.000000	0.000000	0.171689	799.0	45.9	0	-0.09	0.733
CarbonJunction061915_35	BC-CJ-GC	1216783.634428	2312354.554212	19-06-2015 13:12:11	0.000000	0.000000	0.125928	798.7	46.0	0	-0.012	0.538
CarbonJunction061915_36	BC-CJ-GC	1216970.045629	2312390.399521	19-06-2015 13:15:13	0.000000	0.000000	0.565867	798.8	46.1	0	-0.056	2.418
CarbonJunction061915_37	BC-CJ-GC	1216914.152595	2312536.42015	19-06-2015 13:17:49	0.000000	0.000000	0.212346	798.5	46.2	-0.019	-0.067	0.908
CarbonJunction061915_38	BC-CJ-GC	1217170.882008	2312548.182747	19-06-2015 13:21:11	0.000000	0.000000	0.184459	798.5	46.3	0	-0.06	0.789
CarbonJunction061915_39	BC-CJ-GC	1217159.461419	2312739.114344	19-06-2015 13:24:11	0.078246	0.000000	0.131733	798.0	46.4	0.335	-0.104	0.564
CarbonJunction061915_40	BC-CJ-GC	1217368.844676	2312788.925031	19-06-2015 13:27:02	0.000000	0.000000	0.380298	798.1	46.4	-4.852	-0.091	1.628
CarbonJunction061915_41	BC-CJ-GC	1217571.588004	2312804.210657	19-06-2015 13:30:04	0.000000	0.000000	0.229031	797.9	46.5	0	-0.044	0.981
CarbonJunction061915_42	BC-CJ-GC	1217530.766386	2312963.569414	19-06-2015 13:32:53	0.000000	0.000000	0.298837	797.9	46.5	0	-0.049	1.28
CarbonJunction061915_43	BC-CJ-GC	1217714.643303	2312950.766622	19-06-2015 13:36:42	0.000000	0.000000	0.536536	797.5	46.6	0	-0.09	2.3
CarbonJunction061915_44	BC-CJ-GC	1217780.303965	2313164.233956	19-06-2015 13:39:58	0.000000	0.000000	0.716438	797.8	46.7	0	-0.106	3.071
CarbonJunction061915_45	BC-CJ-GC	1218013.820665	2313230.866627	19-06-2015 13:42:56	0.000000	0.000000	0.386249	797.4	46.8	-0.439	-0.04	1.657
CarbonJunction061915_46	BC-CJ-GC	1218040.923041	2313047.559964	19-06-2015 13:46:12	0.008155	0.000000	0.227641	797.3	46.9	0.035	-0.069	0.977
CarbonJunction061915_47	BC-CJ-GC	1218017.853786	2312788.26168	19-06-2015 13:50:14	0.000000	0.000000	1.092522	797.2	47.0	0	-0.095	4.691
CarbonJunction061915_48	BC-CJ-GC	1217763.803113	2312809.080237	19-06-2015 13:53:25	0.000000	0.000000	0.499941	797.8	47.0	0	-0.05	2.145
CarbonJunction061915_49	BC-CJ-GC	1218037.338965	2312562.092885	19-06-2015 13:59:00	0.000000	0.000000	0.168163	797.5	47.1	0	-0.115	0.722
CarbonJunction061915_50	BC-CJ-GC	1217739.6168	2312536.074412	19-06-2015 14:06:13	0.000000	0.000000	0.705746	800.4	47.3	0	-0.032	3.021
CarbonJunction061915_51	BC-CJ-GC	1217583.133981	2312360.588055	19-06-2015 14:13:03	0.000000	0.000000	0.578268	801.4	47.4	0	-0.074	2.473
CarbonJunction061915_52	BC-CJ-GC	1217592.599387	2312447.247083	19-06-2015 14:19:06	0.000000	0.000000	0.239658	800.8	47.5	0	-0.041	1.026

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction061915_53	BC-CJ-GC	1217362.016502	2312354.970683	19-06-2015 14:24:45	0.000000	0.000000	0.412199	800.9	47.6	0	-0.031	1.765
CarbonJunction061915_54	BC-CJ-GC	1217339.259103	2312602.661107	19-06-2015 14:30:21	0.000000	0.000000	0.104075	800.5	47.7	-0.568	-0.126	0.446
CarbonJunction061915_55	BC-CJ-GC	1216188.488949	2311221.811993	22-06-2015 08:36:15	0.000000	0.000000	0.987709	809.1	24.2	-814.106	-0.025	3.881
CarbonJunction061915_56	BC-CJ-GC	1216181.281651	2311321.67708	22-06-2015 08:41:50	0.000000	0.000000	0.395047	809.1	25.3	0	-0.019	1.558
CarbonJunction061915_57	BC-CJ-GC	1216244.148294	2311414.341201	22-06-2015 08:46:55	2.638809	0.000000	1.958470	807.7	26.1	10.453	-0.018	7.758
CarbonJunction061915_58	BC-CJ-GC	1216125.243342	2311407.105697	22-06-2015 08:56:48	2.533966	0.001757	0.829006	807.3	27.6	10.093	0.007	3.302
CarbonJunction061915_59	BC-CJ-GC	1216172.324049	2311505.865614	22-06-2015 09:03:32	0.000000	0.000000	0.156693	806.0	28.5	0	-0.01	0.627
CarbonJunction061915_60	BC-CJ-GC	1216275.907055	2311319.266304	22-06-2015 09:10:05	0.000000	0.000000	0.373160	805.0	29.3	0	-0.001	1.499
CarbonJunction061915_61	BC-CJ-GC	1216357.385169	2311366.220924	22-06-2015 09:18:51	0.000000	0.000000	0.295944	808.9	30.3	0	-0.004	1.187
CarbonJunction061915_62	BC-CJ-GC	1216392.261007	2311487.865729	22-06-2015 09:22:42	0.000000	0.000000	0.369957	808.8	30.7	0	-0.032	1.486
CarbonJunction061915_63	BC-CJ-GC	1216485.500356	2311563.444381	22-06-2015 09:28:06	0.000000	0.000000	0.294286	807.7	31.3	-0.452	-0.027	1.186
CarbonJunction061915_64	BC-CJ-GC	1216617.775036	2311723.369039	22-06-2015 09:34:28	0.000000	0.000000	0.392801	807.0	31.8	-0.709	-0.01	1.587
CarbonJunction061915_65	BC-CJ-GC	1216724.148551	2311677.125498	22-06-2015 09:42:10	0.000000	0.000000	0.027183	807.3	32.4	-0.022	-0.015	0.11
CarbonJunction061915_66	BC-CJ-GC	1216736.638178	2311815.608131	22-06-2015 09:47:37	64.792660	0.006165	1.978494	807.2	33.0	262.741	0.025	8.023
CarbonJunction061915_67	BC-CJ-GC	1216619.317496	2311821.001385	22-06-2015 09:53:00	0.000000	0.000000	0.686900	807.2	33.5	0	-0.036	2.79
CarbonJunction061915_68	BC-CJ-GC	1216797.0285	2311744.223582	22-06-2015 10:02:52	0.000000	0.000000	0.294768	807.2	34.2	-7.134	-0.007	1.2
CarbonJunction061915_69	BC-CJ-GC	1216838.601987	2311872.047495	22-06-2015 10:09:00	382.085300	0.178549	3.297765	807.0	34.6	1557.879	0.728	13.446
CarbonJunction061915_70	BC-CJ-GC	1216819.127579	2311899.046709	22-06-2015 10:16:28	0.000000	0.000000	0.174602	806.2	35.2	-76.691	-0.143	0.714
CarbonJunction062215_71	BC-CJ-GC	1216922.776425	2311884.315876	22-06-2015 10:35:37	0.000000	0.000000	0.256952	806.1	36.7	-0.287	-0.012	1.056
CarbonJunction062215_72	BC-CJ-GC	1217105.960817	2311921.155969	22-06-2015 10:42:11	0.000000	0.000000	0.040334	806.5	37.3	-0.329	-0.052	0.166
CarbonJunction062215_73	BC-CJ-GC	1217120.679741	2311824.901439	22-06-2015 10:47:00	0.000000	0.000000	0.107747	805.5	38.0	0	-0.017	0.445
CarbonJunction062215_74	BC-CJ-GC	1216901.760878	2311811.603641	22-06-2015 10:58:08	0.000000	0.000000	0.344855	804.4	39.7	0	-0.052	1.434
CarbonJunction062215_75	BC-CJ-GC	1216896.91655	2311999.195578	22-06-2015 11:05:32	0.000000	0.000000	1.385765	806.3	40.2	-0.229	-0.02	5.758
CarbonJunction062215_76	BC-CJ-GC	1217068.35646	2312114.934699	22-06-2015 11:13:27	0.000000	0.000000	0.153880	806.3	40.5	0	-0.02	0.64
CarbonJunction062215_77	BC-CJ-GC	1217185.019337	2312222.418589	22-06-2015 11:22:16	0.000000	0.000000	0.666942	803.3	40.7	-0.004	-0.032	2.786
CarbonJunction062215_78	BC-CJ-GC	1217167.155885	2312461.828233	22-06-2015 11:32:19	0.000000	0.000000	0.106247	804.0	41.1	-0.13	-0.061	0.444

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
CarbonJunction062215_79	BC-CJ-GC	1217430.163844	2312145.601801	22-06-2015 11:45:18	0.000000	0.000000	0.232744	800.6	41.5	0	-0.036	0.978
CarbonJunction062215_80	BC-CJ-GC	1216964.490694	2312174.923348	22-06-2015 12:05:03	0.000000	0.000000	0.343362	803.3	42.6	0	-0.036	1.443
CarbonJunction062215_81	BC-CJ-GC	1216739.697271	2312154.10554	22-06-2015 12:12:16	0.000000	0.000000	0.276646	801.3	43.0	-1.343	-0.09	1.167
CarbonJunction062215_82	BC-CJ-GC	1216724.924402	2312010.206869	22-06-2015 12:27:27	0.000000	0.000000	1.070837	799.9	43.9	-40.885	0	4.538
CarbonJunction062215_83	BC-CJ-GC	1216736.983542	2311955.928434	22-06-2015 12:35:41	0.000000	0.000000	0.843063	802.0	44.4	0	-0.004	3.569
CarbonJunction062215_84	BC-CJ-GC	1216546.625621	2311946.771228	22-06-2015 12:43:55	0.000000	0.000000	6.939813	802.8	45.0	0	-0.104	29.405
CarbonJunction062215_85	BC-CJ-GC	1216414.850763	2311984.257701	22-06-2015 12:51:24	0.000000	0.000000	0.108260	802.8	45.2	0	-0.073	0.459
CarbonJunction062215_86	BC-CJ-GC	1216328.216759	2311754.388864	22-06-2015 12:58:38	0.000000	0.000000	1.052193	800.2	45.3	-0.083	-0.096	4.477
BasinCreek062515_01	BC-CJ-GC	1211569.242817	2303342.287103	25-06-2015 09:29:28	0.000000	0.000000	0.189328	790.6	31.1	-3.152	-0.006	0.779
BasinCreek062515_02	BC-CJ-GC	1211577.711185	2303542.751852	25-06-2015 09:33:42	0.000000	0.000000	0.273078	790.8	32.1	0	-0.008	1.127
BasinCreek062515_03	BC-CJ-GC	1211595.875503	2303751.602683	25-06-2015 09:42:36	0.000000	0.000000	0.584689	793.5	33.9	0	-0.029	2.419
federal062515_01	Fed	1219717.214713	2319981.421824	25-06-2015 11:27:07	0.000000	0.000000	0.075261	793.7	41.5	0	-0.06	0.319
federal062515_02	Fed	1219713.907147	2319922.218075	25-06-2015 11:31:20	0.000000	0.000000	0.141848	793.7	41.9	0	-0.062	0.602
federal062515_03	Fed	1219776.085744	2319929.457573	25-06-2015 11:35:01	0.000000	0.000000	0.081706	793.9	42.2	0	-0.061	0.347
federal062515_04	Fed	1219820.335593	2319929.648216	25-06-2015 11:39:05	0.000000	0.000000	0.159882	794.0	42.7	0	-0.065	0.68
federal062515_05	Fed	1219877.415003	2319953.013066	25-06-2015 11:43:04	0.000000	0.000000	0.085492	793.9	43.0	0	-0.045	0.364
federal062515_06	Fed	1219919.125486	2319935.006339	25-06-2015 11:46:14	0.000000	0.000000	0.057943	793.7	43.3	0	-0.048	0.247
federal062515_07	Fed	1219910.701173	2319986.497925	25-06-2015 11:49:38	0.000000	0.000000	0.035858	793.7	43.6	0	-0.063	0.153
federal062515_08	Fed	1219865.373496	2319991.493812	25-06-2015 11:52:41	0.000000	0.000000	0.138638	793.6	43.8	0	-0.057	0.592
federal062515_09	Fed	1219816.28632	2319982.960758	25-06-2015 11:56:09	0.000000	0.000000	0.114643	793.6	44.1	0	-0.078	0.49
federal062515_10	Fed	1219777.339929	2319990.189356	25-06-2015 11:59:54	0.000000	0.000000	0.083181	793.3	44.4	0	-0.067	0.356
federal062515_11	Fed	1219709.95253	2320036.361299	25-06-2015 12:03:12	0.000000	0.000000	0.154583	793.3	44.6	-0.052	-0.065	0.662
federal062515_12	Fed	1219774.873994	2320032.732661	25-06-2015 12:06:08	0.000000	0.000000	0.032447	793.3	44.7	-0.121	-0.056	0.139
federal062515_13	Fed	1219825.28099	2320025.768455	25-06-2015 12:08:45	0.000000	0.000000	0.087977	793.3	44.8	-0.012	-0.035	0.377
federal062515_14	Fed	1219862.899991	2320030.094741	25-06-2015 12:11:30	0.000000	0.000000	0.116608	793.3	45.0	-0.204	-0.058	0.5
federal062515_15	Fed	1219921.795235	2320036.803578	25-06-2015 12:14:46	0.000000	0.000000	0.142037	793.6	45.1	0	-0.082	0.609

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
federal062515_16	Fed	1219916.727326	2320091.826531	25-06-2015 12:17:30	0.000000	0.000000	0.130976	793.5	45.3	0	-0.079	0.562
federal062515_17	Fed	1219930.093946	2320127.210697	25-06-2015 12:20:08	0.000000	0.000000	0.065418	792.9	45.4	0	-0.07	0.281
federal062515_18	Fed	1219871.873044	2320139.68269	25-06-2015 12:22:59	0.000000	0.000000	0.029548	792.9	45.6	-0.09	-0.086	0.127
federal062515_19	Fed	1219866.669628	2320094.586066	25-06-2015 12:25:22	0.000000	0.000000	0.106578	793.3	45.7	-0.094	-0.05	0.458
federal062515_20	Fed	1219821.424729	2320093.573748	25-06-2015 12:28:35	0.000000	0.000000	0.000000	793.0	45.8	0	-0.071	-0.166
federal062515_21	Fed	1219820.250548	2320136.428717	25-06-2015 12:31:33	0.000000	0.000000	0.020004	793.2	45.8	0	-0.09	0.086
federal062515_22	Fed	1219765.836088	2320130.723681	25-06-2015 12:34:47	0.000000	0.000000	0.137674	793.3	45.9	0	-0.107	0.592
federal062515_23	Fed	1219760.168262	2320078.065121	25-06-2015 12:37:50	0.000000	0.000000	0.126696	793.5	46.1	0	-0.09	0.545
federal062515_24	Fed	1219721.289621	2320088.396466	25-06-2015 12:41:15	0.000000	0.000000	0.046912	793.2	46.3	0	-0.123	0.202
federal062515_25	Fed	1219720.025281	2320140.696941	25-06-2015 12:44:39	0.000000	0.000000	0.134732	793.9	46.5	0	-0.138	0.58
FloridaRiver062315_01	FR	1234988.844	2331984.844011	23-06-2015 13:11:34	0.000000	0.000732	0.240878	791.8	30.3	0	0.003	0.987
FloridaRiver062315_02	FR	1235146.356475	2332026.395884	23-06-2015 13:16:17	0.000000	0.001215	0.000000	791.8	31.6	0	0.005	-0.048
FloridaRiver062315_03	FR	1235596.294693	2332224.421262	23-06-2015 13:21:16	0.000000	0.000968	0.292308	791.8	32.9	0	0.004	1.208
FloridaRiver062315_04	FR	1235790.451185	2332276.707582	23-06-2015 13:26:15	0.000000	0.002166	0.000000	791.8	34.5	0	0.009	-0.335
FloridaRiver062315_05	FR	1235570.736124	2332290.052724	23-06-2015 13:30:13	0.000000	0.000000	0.548253	791.7	35.6	0	-0.005	2.286
FloridaRiver062315_06	FR	1235341.753521	2332182.466998	23-06-2015 13:33:53	1.056046	0.000000	1.064653	791.8	36.6	4.417	-0.001	4.453
FloridaRiver062315_07	FR	1235183.735207	2332115.263007	23-06-2015 13:37:27	0.503567	0.011450	1.204411	792.3	37.5	2.111	0.048	5.049
FloridaRiver062315_08	FR	1234968.117574	2332154.814916	23-06-2015 13:41:35	0.000000	0.000000	0.336913	792.0	38.4	0	-0.04	1.417
FloridaRiver062315_09	FR	1234935.255551	2332344.369822	23-06-2015 13:45:09	0.000000	0.000000	0.334628	792.0	39.2	0	-0.028	1.411
FloridaRiver062315_10	FR	1235134.650598	2332353.990601	23-06-2015 13:48:58	0.000000	0.000000	0.238786	792.1	39.9	0	-0.024	1.009
FloridaRiver062315_11	FR	1235551.36515	2332379.492105	23-06-2015 13:56:25	0.000000	0.000000	1.022149	792.0	41.3	0	0	4.339
FloridaRiver062315_12	FR	1235568.179614	2332362.43564	23-06-2015 13:58:40	0.000000	0.000000	3.459693	792.0	41.7	0	-0.036	14.705
FloridaRiver062315_13	FR	1235554.08827	2332457.830864	23-06-2015 14:01:35	0.000000	0.000000	1.771841	792.1	42.2	0	-0.059	7.542
FloridaRiver062315_14	FR	1235310.88683	2332474.310413	23-06-2015 14:06:47	0.000000	0.000000	0.368914	792.0	42.9	0	-0.073	1.574
FloridaRiver062315_15	FR	1235528.563227	2332452.952391	23-06-2015 14:10:35	0.747612	0.000000	0.323981	791.7	43.4	3.196	-0.015	1.385
FloridaRiver062315_16	FR	1235124.272279	2332548.52499	23-06-2015 14:18:30	0.000000	0.000233	0.124219	792.0	44.1	0	0.001	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
FloridaRiver062315_17	FR	1235356.734644	2332586.948891	23-06-2015 14:42:17	0.000000	0.004188	0.287117	791.7	45.1	0	0.018	1.234
FloridaRiver062315_18	FR	1235546.052154	2332597.60064	23-06-2015 14:46:10	0.000000	0.000000	0.468190	791.4	45.1	0	-0.054	2.013
FloridaRiver062315_19	FR	1235564.386493	2332713.017993	23-06-2015 14:53:22	0.000000	0.003255	0.267353	791.3	45.2	-0.235	0.014	1.15
FloridaRiver062315_20	FR	1235344.001397	2332826.536299	23-06-2015 15:01:58	0.000000	0.003239	0.257483	789.4	46.0	0	0.014	1.113
FloridaRiver062315_21	FR	1235672.381278	2332832.932922	23-06-2015 15:07:53	0.000000	0.014552	1.922458	789.9	46.7	0	0.063	8.323
FloridaRiver062315_22	FR	1235709.9452	2332822.453283	23-06-2015 15:10:33	4.276628	0.009209	2.294636	787.8	46.9	18.576	0.04	9.967
FloridaRiver062315_23	FR	1235777.562242	2332765.78832	23-06-2015 15:13:53	0.000000	0.000000	0.049206	787.8	47.3	0	-0.018	0.214
FloridaRiver062315_24	FR	1235719.577904	2332734.483597	23-06-2015 15:16:24	0.000000	0.000000	0.253355	788.9	47.5	0	-0.005	1.101
FloridaRiver062315_25	FR	1235937.377561	2332849.461388	23-06-2015 15:20:51	0.000000	0.000000	0.174821	788.8	48.0	-2.352	0	0.761
FloridaRiver062315_26	FR	1235944.532153	2333016.44406	23-06-2015 15:26:01	0.000000	0.000000	0.369941	788.0	48.4	0	-0.013	1.614
FloridaRiver062315_27	FR	1235948.898706	2333187.599704	23-06-2015 15:31:22	0.000000	0.000000	0.375516	786.5	48.9	0	-0.024	1.644
FloridaRiver062315_28	FR	1235744.382431	2332941.896309	23-06-2015 15:35:39	0.000000	0.000000	0.526659	784.6	49.0	0	-0.061	2.312
FloridaRiver062315_29	FR	1235499.754984	2332965.648826	23-06-2015 15:39:16	0.000000	0.000000	0.430659	786.5	49.0	0	-0.089	1.886
FloridaRiver062315_30	FR	1235536.257588	2333172.207558	23-06-2015 15:44:08	0.000000	0.000000	0.306294	787.3	49.0	0	-0.021	1.34
FloridaRiver062315_31	FR	1235773.004289	2333173.293165	23-06-2015 15:49:10	0.000000	0.000000	0.382653	787.8	49.0	0	-0.017	1.673
FloridaRiver062615_100	FR	1234553.290268	2329987.680039	26-06-2015 14:24:00	0.000000	0.035366	0.252809	785.4	48.8	0	0.155	1.108
FloridaRiver062615_101	FR	1234523.467824	2329976.691001	26-06-2015 14:26:59	0.000000	0.000000	0.523355	783.6	48.8	0	-0.179	2.299
FloridaRiver062615_102	FR	1234450.686371	2329961.464568	26-06-2015 14:31:21	0.000000	0.000000	0.379007	783.8	48.9	0	-0.211	1.665
FloridaRiver062615_103	FR	1234357.697712	2329935.959044	26-06-2015 14:36:26	0.000000	0.000000	0.879107	784.2	48.9	0	-0.209	3.86
FloridaRiver062615_104	FR	1234302.341107	2329953.935928	26-06-2015 14:39:52	0.000000	0.000000	0.458319	784.5	48.8	0	-0.221	2.011
FloridaRiver062615_105	FR	1234321.651847	2329882.294026	26-06-2015 14:44:02	0.000000	0.000000	0.554039	784.5	48.8	-1.859	-0.069	2.431
FloridaRiver062615_106	FR	1234461.557754	2329850.130201	26-06-2015 14:48:01	0.000000	0.041924	0.545012	784.3	48.8	0	0.184	2.392
FloridaRiver062615_107	FR	1234546.962033	2329877.540627	26-06-2015 14:51:08	0.000000	0.000000	0.403305	783.2	48.7	0	-0.068	1.772
FloridaRiver062615_108	FR	1234317.87927	2329739.615713	26-06-2015 14:57:40	0.000000	0.000000	1.254567	782.8	48.7	0	-0.226	5.515
FloridaRiver062615_109	FR	1234305.024229	2329581.665008	26-06-2015 15:01:55	0.000000	0.000000	0.234528	784.3	48.7	0	-0.341	1.029
FloridaRiver062615_110	FR	1234091.90955	2329755.469712	26-06-2015 15:07:34	0.000000	0.000000	0.485467	784.3	48.7	0	-0.317	2.13

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver062615_111	FR	1234095.101367	2329580.714672	26-06-2015 15:11:40	0.000000	0.000000	0.866267	785.7	48.7	0	-0.303	3.794
FloridaRiver062615_112	FR	1233924.708492	2329589.118051	26-06-2015 15:17:14	0.000000	0.013685	0.313838	785.1	48.8	0	0.06	1.376
FloridaRiver062615_113	FR	1233904.96567	2329399.743975	26-06-2015 15:21:29	0.000000	0.000000	0.697265	786.4	48.9	0	-0.3	3.053
FloridaRiver062615_114	FR	1234059.874413	2329422.671705	26-06-2015 15:28:08	0.000000	0.000913	0.507425	785.1	48.4	0	0.004	2.222
FloridaRiver062615_115	FR	1234119.389309	2329389.817592	26-06-2015 15:30:49	0.000000	0.000000	0.450698	785.4	48.1	0	-0.161	1.971
FloridaRiver062615_116	FR	1234074.045557	2329196.3878	26-06-2015 15:35:10	0.000000	0.000000	0.330747	784.6	47.9	0	-0.214	1.447
FloridaRiver062615_117	FR	1233924.640856	2329157.203401	26-06-2015 15:39:15	0.000000	0.000000	0.238400	785.1	47.8	0	0	1.042
FloridaRiver062615_118	FR	1233685.427292	2328995.047664	26-06-2015 15:44:58	0.000000	0.000000	0.164335	785.4	47.8	0	-0.156	0.718
FloridaRiver062615_119	FR	1233690.135852	2328783.737694	26-06-2015 15:48:26	0.000000	0.000000	0.755665	783.4	47.7	0	-0.266	3.309
FloridaRiver062615_120	FR	1233707.739879	2328723.012173	26-06-2015 15:52:21	0.000000	0.006857	0.730044	783.6	47.5	0	0.03	3.194
FloridaRiver062615_121	FR	1233608.238687	2328557.748504	26-06-2015 15:58:16	0.000000	0.000000	0.487694	783.0	47.3	0	-0.079	2.134
FloridaRiver062615_122	FR	1233510.774217	2328378.590801	26-06-2015 16:03:37	0.000000	0.000000	0.658496	781.8	47.1	0	-0.186	2.884
FloridaRiver062615_123	FR	1233495.842691	2328162.866811	26-06-2015 16:10:52	0.000000	0.000000	1.161968	781.5	47.1	0	-0.174	5.091
FloridaRiver062615_124	FR	1233547.185125	2328396.205489	26-06-2015 16:16:53	0.000000	0.005701	0.055181	781.0	47.2	0	0.025	0.242
FloridaRiver062615_125	FR	1233691.147012	2328565.656627	26-06-2015 16:21:02	0.000000	0.000000	0.345687	781.8	47.1	0	-0.328	1.514
FloridaRiver062615_126	FR	1233902.324657	2329017.942858	26-06-2015 16:27:50	0.000000	0.000000	0.826687	782.8	47.1	0	-0.117	3.616
FloridaRiver062615_127	FR	1233982.261187	2329346.489195	26-06-2015 16:33:08	0.000000	0.000000	0.520189	784.3	47.1	0	-0.077	2.271
FloridaRiver062615_128	FR	1233979.051005	2329335.683001	26-06-2015 16:36:10	13.349970	0.009868	4.335784	785.5	47.0	58.175	0.043	18.894
FloridaRiver062615_129	FR	1233983.659251	2329354.463222	26-06-2015 16:38:56	2.185109	0.000000	1.742123	785.5	47.1	9.525	-0.038	7.594
FloridaRiver062615_48	FR	1235180.988715	2331791.550481	26-06-2015 09:52:50	0.000000	0.000000	0.009340	792.2	28.3	0	-0.003	0.038
FloridaRiver062615_49	FR	1235272.815368	2331767.293263	26-06-2015 09:57:40	4.205425	0.006126	3.438686	792.4	29.3	17.162	0.025	14.033
FloridaRiver062615_50	FR	1235329.862506	2331782.087353	26-06-2015 10:05:14	0.355791	0.004871	0.551830	791.4	30.8	1.461	0.02	2.266
FloridaRiver062615_51	FR	1235348.962892	2331794.298245	26-06-2015 10:07:59	463.363900	0.005585	0.969285	791.4	31.7	1908.364	0.023	3.992
FloridaRiver062615_52	FR	1235372.886948	2331965.926843	26-06-2015 10:14:02	0.000000	0.011130	0.374783	791.2	32.7	0	0.046	1.549
FloridaRiver062615_53	FR	1235559.116874	2331927.57669	26-06-2015 10:18:14	0.000000	0.003623	0.207214	791.3	33.3	0	0.015	0.858
FloridaRiver062615_54	FR	1235523.879962	2331823.68273	26-06-2015 10:21:57	0.000000	0.000000	0.068664	791.2	34.0	0	-0.024	0.285

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver062615_55	FR	1235425.636192	2331804.199681	26-06-2015 10:25:58	0.553666	0.010075	0.650821	790.1	34.9	2.308	0.042	2.713
FloridaRiver062615_56	FR	1235545.70113	2331680.859777	26-06-2015 10:30:51	0.000000	0.004069	0.274286	790.6	35.8	-0.154	0.017	1.146
FloridaRiver062615_57	FR	1235332.854159	2331615.654472	26-06-2015 10:37:46	0.000000	0.001192	0.033849	790.2	36.9	0	0.005	0.142
FloridaRiver062615_58	FR	1235199.925707	2331633.650817	26-06-2015 10:42:09	0.000000	0.004532	0.452525	791.8	37.3	0	0.019	1.897
FloridaRiver062615_59	FR	1235184.679099	2331590.328785	26-06-2015 10:46:54	0.000000	0.001667	0.179280	791.8	37.9	0	0.007	0.753
FloridaRiver062615_60	FR	1235168.140499	2331563.211556	26-06-2015 10:50:48	0.372084	0.000000	0.460472	791.2	38.3	1.566	-0.035	1.938
FloridaRiver062615_61	FR	1235321.882897	2331445.078727	26-06-2015 10:56:01	0.000000	0.017551	0.077794	790.8	38.7	0	0.074	0.328
FloridaRiver062615_62	FR	1234964.170624	2331430.291177	26-06-2015 11:11:56	0.000000	0.007303	0.238168	790.0	40.5	0	0.031	1.011
FloridaRiver062615_63	FR	1234743.544257	2331409.335711	26-06-2015 11:19:32	0.000000	0.000000	0.220623	790.1	40.7	0	-0.085	0.937
FloridaRiver062615_64	FR	1234746.67971	2331584.043306	26-06-2015 11:21:05	0.000000	0.001648	0.189307	790.1	40.7	0	0.007	0.804
FloridaRiver062615_65	FR	1234894.334245	2331778.813199	26-06-2015 11:25:38	0.000000	0.000000	0.572719	790.4	40.9	0	-0.067	2.433
FloridaRiver062615_66	FR	1234534.618977	2331353.73471	26-06-2015 11:31:14	0.000000	0.009684	0.235490	793.6	41.1	0	0.041	0.997
FloridaRiver062615_67	FR	1234538.415098	2331162.647052	26-06-2015 11:52:00	0.000000	0.000000	0.506004	790.0	42.7	0	-0.009	2.163
FloridaRiver062615_68	FR	1234770.418902	2331218.592626	26-06-2015 11:56:24	0.000000	0.018686	0.300619	789.3	42.9	-2.123	0.08	1.287
FloridaRiver062615_69	FR	1234908.243142	2331399.188704	26-06-2015 12:01:15	0.000000	0.000000	0.549586	789.0	43.2	0	-0.033	2.356
FloridaRiver062615_70	FR	1235148.083825	2331378.296309	26-06-2015 12:05:48	0.000000	0.000000	0.256956	790.6	43.4	0	-0.04	1.1
FloridaRiver062615_71	FR	1235169.580786	2331231.13643	26-06-2015 12:09:29	0.000000	0.000000	0.333706	789.5	43.5	0	-0.062	1.431
FloridaRiver062615_72	FR	1235077.283898	2331246.375647	26-06-2015 12:12:38	46.523220	0.000000	2.544938	789.3	43.5	199.552	-0.038	10.916
FloridaRiver062615_73	FR	1234990.917547	2331144.261312	26-06-2015 12:16:50	0.000000	0.000000	1.077408	789.0	43.7	0	-0.031	4.626
FloridaRiver062615_74	FR	1235207.693963	2330936.046388	26-06-2015 12:22:03	0.000000	0.000000	0.617848	788.6	43.8	0	-0.093	2.655
FloridaRiver062615_75	FR	1234983.265791	2330974.306993	26-06-2015 12:26:01	0.310993	0.023940	0.486479	787.9	43.9	1.338	0.103	2.093
FloridaRiver062615_76	FR	1234732.12631	2330972.234072	26-06-2015 12:30:03	0.000000	0.011156	0.138753	788.1	44.0	0	0.048	0.597
FloridaRiver062615_77	FR	1234542.282613	2330988.068014	26-06-2015 12:35:35	0.000000	0.000000	0.707148	788.5	44.1	0	-0.045	3.042
FloridaRiver062615_78	FR	1234568.234279	2330757.040399	26-06-2015 12:41:42	0.559935	0.000464	0.990047	788.5	44.4	2.411	0.002	4.263
FloridaRiver062615_79	FR	1234412.582857	2330777.700739	26-06-2015 12:45:54	0.000000	0.018332	0.226482	788.1	44.5	0	0.079	0.976
FloridaRiver062615_80	FR	1234436.077098	2330966.396308	26-06-2015 12:50:55	0.000000	0.000000	0.393079	788.1	44.7	0	-0.149	1.695

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver062615_81	FR	1234788.00965	2330769.769441	26-06-2015 12:57:49	0.000000	0.000000	0.583476	788.6	44.9	0	-0.114	2.516
FloridaRiver062615_82	FR	1234980.085653	2330788.766307	26-06-2015 13:03:01	0.000000	0.000000	0.456309	787.6	45.2	-0.002	-0.139	1.972
FloridaRiver062615_83	FR	1235188.489296	2330792.089534	26-06-2015 13:07:16	0.000000	0.000000	0.607258	787.0	45.4	0	0	2.628
FloridaRiver062615_84	FR	1234988.64119	2330620.268514	26-06-2015 13:13:42	0.000000	0.000000	0.363135	787.0	45.7	0	-0.165	1.573
FloridaRiver062615_85	FR	1234733.547446	2330532.634737	26-06-2015 13:18:30	0.000000	0.015448	0.379508	786.5	45.9	0	0.067	1.646
FloridaRiver062615_86	FR	1234554.117868	2330584.591433	26-06-2015 13:23:01	6.606665	0.018431	4.067536	786.4	46.1	28.676	0.08	17.655
FloridaRiver062615_87	FR	1234519.590203	2330570.703502	26-06-2015 13:25:20	0.000000	0.000000	0.750818	787.1	46.1	0	-0.111	3.256
FloridaRiver062615_88	FR	1234412.781526	2330557.876286	26-06-2015 13:29:48	0.000000	0.049793	0.381746	787.1	46.2	0	0.216	1.656
FloridaRiver062615_89	FR	1234387.717828	2330380.640052	26-06-2015 13:35:24	0.000000	0.000000	0.225902	787.0	46.5	0	-0.205	0.981
FloridaRiver062615_90	FR	1234464.744918	2330358.03761	26-06-2015 13:39:14	0.000000	0.000000	0.601910	786.9	46.6	0	-0.106	2.615
FloridaRiver062615_91	FR	1234517.97166	2330359.744686	26-06-2015 13:42:16	0.334399	0.000000	0.802098	786.2	46.8	1.455	-0.072	3.49
FloridaRiver062615_92	FR	1234547.482933	2330321.128179	26-06-2015 13:45:06	0.480517	0.035126	1.043684	786.1	47.1	2.093	0.153	4.546
FloridaRiver062615_93	FR	1234572.916792	2330365.991164	26-06-2015 13:48:00	0.000000	0.000000	0.770853	785.8	47.3	0	-0.194	3.361
FloridaRiver062615_94	FR	1234752.082926	2330360.660463	26-06-2015 13:54:56	0.000000	0.000000	0.102713	786.5	47.7	0	-0.23	0.448
FloridaRiver062615_95	FR	1234741.119266	2330185.493855	26-06-2015 14:04:06	0.000000	0.000000	0.191177	785.7	48.2	0	-0.261	0.836
FloridaRiver062615_96	FR	1234494.266676	2330173.383377	26-06-2015 14:09:19	0.000000	0.000000	1.055645	784.7	48.4	0	-0.308	4.625
FloridaRiver062615_97	FR	1234522.165066	2330165.745974	26-06-2015 14:11:42	18.327830	0.033542	2.135277	784.7	48.5	80.323	0.147	9.358
FloridaRiver062615_98	FR	1234453.498705	2330153.486469	26-06-2015 14:14:50	20.496460	0.014823	2.682296	784.5	48.6	89.878	0.065	11.762
FloridaRiver062615_99	FR	1234365.478179	2330171.83571	26-06-2015 14:18:28	0.000000	0.000000	0.319524	784.5	48.8	0	0	1.402
PoleBarn070115_01	PB	1237026.775353	2384501.403408	01-07-2015 08:39:37	0.000000	0.000000	0.164999	784.8	25.8	-8.139	0	0.672
PoleBarn070115_02	PB	1237074.877562	2384491.057917	01-07-2015 08:44:15	0.000000	0.000000	0.401006	784.9	26.9	0	0	1.639
PoleBarn070115_03	PB	1237071.511261	2384547.297824	01-07-2015 08:47:19	0.000000	0.000000	0.250943	785.2	27.7	0	0	1.028
PoleBarn070115_04	PB	1237072.090275	2384600.472895	01-07-2015 08:50:12	0.000000	0.000000	0.310677	784.9	28.6	0	-0.002	1.277
PoleBarn070115_05	PB	1237070.637992	2384647.309579	01-07-2015 08:52:50	0.000000	0.000000	0.112578	785.1	29.5	-0.489	-0.004	0.464
PoleBarn070115_06	PB	1237075.260965	2384695.815255	01-07-2015 08:55:19	0.000000	0.000000	0.175140	785.1	30.4	0	-0.007	0.724
PoleBarn070115_07	PB	1237030.307096	2384695.472217	01-07-2015 08:57:57	0.000000	0.000000	0.297870	785.1	31.3	0	-0.003	1.235

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PoleBarn070115_08	PB	1236970.460005	2384691.315431	01-07-2015 09:00:39	0.000000	0.000000	0.117197	785.4	32.1	0	-0.014	0.487
PoleBarn070115_09	PB	1236920.583414	2384696.269991	01-07-2015 09:03:06	0.000000	0.000000	0.251542	785.4	32.9	0	-0.001	1.048
PoleBarn070115_10	PB	1236873.021645	2384683.313186	01-07-2015 09:05:41	0.000000	0.000000	0.179538	785.9	33.5	0	-0.04	0.749
PoleBarn070115_11	PB	1236866.601462	2384647.435508	01-07-2015 09:08:02	0.000000	0.000000	0.157357	785.6	34.1	0	-0.006	0.658
PoleBarn070115_12	PB	1236922.917191	2384645.15366	01-07-2015 09:10:33	0.000000	0.000000	0.198142	785.5	34.6	0	-0.036	0.83
PoleBarn070115_13	PB	1236975.747217	2384641.658077	01-07-2015 09:12:57	0.000000	0.000000	0.223997	785.1	35.0	0	-0.011	0.94
PoleBarn070115_14	PB	1237023.616442	2384644.220939	01-07-2015 09:15:26	0.000000	0.000000	0.256917	785.5	35.4	0	-0.019	1.079
PoleBarn070115_15	PB	1237019.731395	2384606.725351	01-07-2015 09:17:47	0.000000	0.000000	0.329528	785.1	35.7	0	-0.005	1.386
PoleBarn070115_16	PB	1237016.521335	2384553.206857	01-07-2015 09:20:05	0.000000	0.000000	0.096866	785.0	36.1	0	-0.021	0.408
PoleBarn070115_17	PB	1236968.569598	2384543.652631	01-07-2015 09:22:30	0.000000	0.000000	0.193768	785.2	36.5	0	-0.014	0.817
PoleBarn070115_18	PB	1236925.015046	2384544.014967	01-07-2015 09:24:58	0.000000	0.002605	0.145179	785.1	36.9	0	0.011	0.613
PoleBarn070115_19	PB	1236974.058295	2384593.953205	01-07-2015 09:27:19	0.000000	0.000000	0.290731	785.2	37.3	0	-0.039	1.229
PoleBarn070115_20	PB	1236927.816586	2384601.555972	01-07-2015 09:31:41	0.000000	0.000000	0.262311	784.9	37.5	0	0	1.11
PoleBarn070115_21	PB	1236862.909957	2384597.769996	01-07-2015 09:34:24	0.000000	0.000000	0.285596	785.1	37.7	0	-0.026	1.209
PoleBarn070115_22	PB	1236863.302026	2384540.297976	01-07-2015 09:36:40	0.000000	0.000000	0.273791	785.2	38.0	0	-0.026	1.16
PoleBarn070115_23	PB	1236873.584277	2384498.648256	01-07-2015 09:39:15	0.000000	0.000000	0.446318	785.2	38.5	0	-0.003	1.894
PoleBarn070115_24	PB	1236915.661471	2384498.820716	01-07-2015 09:41:36	0.000000	0.000000	0.107976	785.1	39.0	0	-0.02	0.459
PoleBarn070115_25	PB	1236968.014293	2384497.227104	01-07-2015 09:43:50	0.000000	0.000000	0.351782	785.0	39.5	0	-0.019	1.498
VosburgPike071615_01	SEC12	1245335.367178	2361001.14685	16-07-2015 11:35:12	638.646700	0.004218	17.359600	767.6	33.2	2725.163	0.018	74.075
VosburgPike071615_02	SEC12	1245357.440578	2361017.178275	16-07-2015 11:38:59	0.547644	0.003035	1.152947	767.6	34.4	2.346	0.013	4.939
VosburgPike071615_03	SEC12	1245555.269593	2361058.714047	16-07-2015 11:46:25	0.000000	0.000000	0.371474	771.0	35.7	0	-0.021	1.591
VosburgPike071615_04	SEC12	1245617.122495	2361038.986203	16-07-2015 11:50:58	3.435892	0.000000	1.764810	770.0	36.5	14.773	-0.041	7.588
VosburgPike071615_05	SEC12	1245663.463802	2361034.048561	16-07-2015 11:54:29	15.063000	0.000000	1.178168	767.9	37.2	65.089	-0.026	5.091
VosburgPike071615_06	SEC12	1245740.241652	2361022.821308	16-07-2015 12:00:08	123.121000	0.000000	2.053782	778.0	38.0	526.467	-0.041	8.782
VosburgPike071615_07	SEC12	1245823.559471	2361019.252855	16-07-2015 12:05:05	0.888715	0.000000	0.629784	764.2	38.5	3.875	-0.024	2.746
VosburgPike071615_08	SEC12	1245978.664385	2361014.362239	16-07-2015 12:11:06	1.559710	0.010057	2.215456	763.3	39.2	6.824	0.044	9.693

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071615_09	SEC12	1246146.440117	2361017.78057	16-07-2015 12:14:54	0.000000	0.000000	0.507569	766.0	39.5	0	-0.024	2.215
VosburgPike071615_10	SEC12	1246146.8511	2360762.794779	16-07-2015 12:23:27	0.000000	0.000000	0.423485	759.2	39.9	0	-0.048	1.867
VosburgPike071615_11	SEC12	1246164.15337	2361268.425984	16-07-2015 12:39:13	0.000000	0.000000	0.740136	774.9	40.4	0	-0.034	3.202
VosburgPike071615_12	SEC12	1245978.407293	2361275.90636	16-07-2015 12:44:23	0.000000	0.000000	0.555277	760.8	40.3	0	-0.03	2.446
VosburgPike071615_13	SEC12	1245773.360728	2361290.119023	16-07-2015 12:49:22	0.000000	0.000000	0.237153	762.5	40.2	0	-0.044	1.042
VosburgPike071615_14	SEC12	1245575.692956	2361297.271429	16-07-2015 12:55:24	0.000000	0.000000	0.177645	767.7	40.1	0	-0.025	0.775
VosburgPike071615_15	SEC12	1245373.858758	2361285.05314	16-07-2015 13:06:09	0.000000	0.000000	0.439332	765.1	40.4	0	-0.144	1.925
VosburgPike071615_16	SEC12	1245164.459068	2361286.592376	16-07-2015 13:11:44	0.000000	0.000000	0.202455	764.8	40.6	0	-0.094	0.888
VosburgPike071615_17	SEC12	1245120.493908	2361045.866001	16-07-2015 13:23:21	0.000000	0.000000	1.214511	770.8	41.1	0	-0.041	5.294
VosburgPike071615_18	SEC12	1245116.970538	2360844.120933	16-07-2015 13:31:07	0.000000	0.000000	0.409088	768.3	41.1	-0.029	-0.039	1.789
VosburgPike071615_19	SEC12	1245348.682436	2360788.88264	16-07-2015 13:40:37	0.000000	0.002765	0.123984	774.3	41.1	-1.374	0.012	0.538
VosburgPike071615_20	SEC12	1245566.439576	2360767.662762	16-07-2015 13:50:11	0.000000	0.000000	0.891910	777.0	41.2	0	-0.004	3.858
VosburgPike071615_21	SEC12	1245743.812375	2360724.517365	16-07-2015 13:56:11	0.000000	0.006370	0.555129	764.9	41.3	0	0.028	2.44
VosburgPike071615_22	SEC12	1245920.934058	2360755.217457	16-07-2015 14:00:37	0.000000	0.000000	0.248638	764.8	41.3	0	-0.04	1.093
VosburgPike071615_23	SEC12	1245911.516956	2360580.098952	16-07-2015 14:10:08	0.000000	0.000000	0.383625	774.6	41.1	0	0	1.664
VosburgPike071615_24	SEC12	1246114.15064	2360548.519364	16-07-2015 14:16:11	0.000000	0.000000	0.150260	769.6	41.1	0	-0.051	0.656
VosburgPike071615_25	SEC12	1246121.710786	2360371.850668	16-07-2015 14:21:34	0.000000	0.000000	0.255857	767.3	41.0	0	-0.021	1.12
VosburgPike071615_26	SEC12	1246108.079542	2360177.40565	16-07-2015 14:29:53	0.000000	0.000000	0.465716	759.6	40.8	0	-0.019	2.058
VosburgPike071615_27	SEC12	1245896.879488	2360160.414993	16-07-2015 14:36:57	0.000000	0.000000	0.338096	755.6	40.6	0	-0.005	1.501
VosburgPike071615_28	SEC12	1245914.997852	2360310.269356	16-07-2015 14:41:46	0.000000	0.000000	0.373223	759.0	40.5	0	-0.014	1.649
VosburgPike071615_29	SEC12	1245928.920001	2360355.801997	16-07-2015 14:44:50	0.000000	0.000000	0.259478	760.2	40.6	0	-0.008	1.145
VosburgPike071615_30	SEC12	1245727.327694	2360555.871369	16-07-2015 14:50:29	0.000000	0.000000	2.116310	764.5	40.9	0	-0.02	9.295
VosburgPike071615_31	SEC12	1245707.833707	2360387.495736	16-07-2015 14:55:31	0.000000	0.000000	0.135787	764.2	41.1	0	-0.016	0.597
VosburgPike071615_32	SEC12	1245718.361785	2360177.990145	16-07-2015 15:01:05	0.000000	0.000000	0.356552	761.1	41.1	0	-0.017	1.574
VosburgPike071615_33	SEC12	1245724.301974	2359985.626686	16-07-2015 15:06:36	0.000000	0.000000	0.486462	758.8	41.1	0	-0.079	2.154
VosburgPike071615_34	SEC12	1245540.394287	2359951.819012	16-07-2015 15:12:47	0.000000	0.000000	0.935886	767.0	41.2	0	-0.018	4.101

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071615_35	SEC12	1245334.984716	2359974.615628	16-07-2015 15:18:54	0.000000	0.000000	2.809249	762.6	41.2	0	-0.046	12.381
VosburgPike071615_36	SEC12	1245300.228077	2360156.56331	16-07-2015 15:24:44	0.000000	0.000000	0.641973	760.0	41.2	0	-0.024	2.839
VosburgPike071615_37	SEC12	1245501.242352	2360164.471971	16-07-2015 15:33:18	0.000000	0.000000	1.271046	770.1	41.3	0	-0.043	5.549
VosburgPike071615_38	SEC12	1245534.646825	2360355.148766	16-07-2015 15:41:25	0.000000	0.000000	0.590216	765.4	41.6	0	-0.045	2.595
VosburgPike071615_39	SEC12	1245319.110531	2360377.115716	16-07-2015 15:48:24	0.000000	0.000000	0.417117	760.2	42.2	0	-0.009	1.85
VosburgPike071715_40	SEC12	1245919.809991	2359366.188223	17-07-2015 11:08:38	0.000000	0.000000	0.309701	754.2	25.0	0	-0.016	1.309
VosburgPike071715_41	SEC12	1246111.189373	2359386.306469	17-07-2015 11:14:04	0.394151	0.010583	0.324305	754.2	26.8	1.676	0.045	1.379
VosburgPike071715_42	SEC12	1246310.588566	2359396.838289	17-07-2015 11:17:35	0.000000	0.000000	0.485925	763.2	27.7	0	-0.079	2.048
VosburgPike071715_43	SEC12	1246317.829832	2359557.718685	17-07-2015 11:22:09	0.000000	0.000000	0.317716	755.0	28.9	-0.241	-0.088	1.359
VosburgPike071715_44	SEC12	1246122.079523	2359561.264338	17-07-2015 11:28:43	0.000000	0.000000	0.449384	770.4	30.7	0	0	1.895
VosburgPike071715_45	SEC12	1245911.190047	2359563.25428	17-07-2015 11:36:49	0.000000	0.000000	0.326501	755.2	32.1	0	-0.143	1.411
VosburgPike071715_46	SEC12	1245723.662554	2359563.738132	17-07-2015 11:43:22	0.000000	0.000000	0.337814	755.3	33.0	0	-0.129	1.464
VosburgPike071715_47	SEC12	1245709.671102	2359360.838636	17-07-2015 11:48:38	0.000000	0.000000	0.475749	761.5	33.9	0	-0.168	2.051
VosburgPike071715_48	SEC12	1245711.564727	2359153.147352	17-07-2015 11:52:49	0.000000	0.000000	0.417501	758.8	34.7	0	0	1.811
VosburgPike071715_49	SEC12	1245721.938901	2358981.242165	17-07-2015 11:57:56	0.000000	0.000000	0.962943	767.2	35.8	0	-0.163	4.146
VosburgPike071715_50	SEC12	1245711.841665	2358771.637573	17-07-2015 12:03:17	0.000000	0.000000	0.674411	756.3	37.0	0	-0.053	2.957
VosburgPike071715_51	SEC12	1245909.105782	2358760.71144	17-07-2015 12:06:47	0.000000	0.000000	0.173223	770.7	37.7	0	-0.107	0.747
VosburgPike071715_52	SEC12	1246108.219595	2358742.597426	17-07-2015 12:10:55	0.000000	0.000000	0.720118	756.7	38.5	0	-0.069	3.171
VosburgPike071715_53	SEC12	1246105.155908	2358959.371671	17-07-2015 12:16:02	0.000000	0.000000	0.460720	755.2	39.3	0	-0.057	2.038
VosburgPike071715_54	SEC12	1246108.360489	2359170.303118	17-07-2015 12:22:23	0.000000	0.000000	0.274120	755.0	40.1	0	-0.063	1.216
VosburgPike071715_55	SEC12	1245921.344	2359162.023263	17-07-2015 12:26:42	0.465388	0.000000	0.548250	761.3	40.5	2.05	0	2.415
VosburgPike071715_56	SEC12	1245947.529008	2359021.2556	17-07-2015 12:30:27	0.000000	0.000000	0.610401	759.1	40.9	0	-0.076	2.7
VosburgPike071715_57	SEC12	1245902.874217	2358967.361492	17-07-2015 12:33:14	63.102740	0.000000	5.066102	758.1	41.2	279.759	0	22.46
VosburgPike071715_58	SEC12	1245928.239799	2359259.450443	17-07-2015 12:39:18	1.138042	0.005419	0.816952	760.6	41.9	5.04	0.024	3.618
VosburgPike071715_59	SEC12	1245888.694493	2359302.040522	17-07-2015 12:46:47	0.640699	0.010403	0.728674	763.0	42.4	2.833	0.046	3.222
VosburgPike071715_60	SEC12	1245863.753265	2359328.440484	17-07-2015 12:49:48	26.659550	0.011908	1.981846	758.0	42.4	118.659	0.053	8.821

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071715_61	SEC12	1245848.126581	2359338.760309	17-07-2015 12:51:41	291.442800	0.000000	3.822706	764.1	42.5	1287.235	-0.037	16.884
VosburgPike071715_62	SEC12	1245812.486643	2359371.363022	17-07-2015 12:54:02	2.241880	0.009855	3.360021	756.4	42.7	10.009	0.044	15.001
VosburgPike071715_63	SEC12	1245858.230536	2362173.199332	17-07-2015 13:32:14	0.000000	0.000000	1.330082	761.8	42.8	-0.781	-0.035	5.898
VosburgPike071715_64	SEC12	1245877.023005	2361990.021243	17-07-2015 13:37:04	0.000000	0.000000	0.829410	765.0	42.5	0	-0.009	3.659
VosburgPike071715_65	SEC12	1245874.720611	2361813.727005	17-07-2015 13:41:13	0.000000	0.000000	0.873805	763.1	42.3	0	-0.009	3.862
VosburgPike071715_66	SEC12	1245667.578971	2361812.067202	17-07-2015 13:44:55	0.000000	0.000000	0.510642	758.7	42.3	0	-0.013	2.27
VosburgPike071715_67	SEC12	1245454.786926	2361843.305176	17-07-2015 13:49:40	0.000000	0.000000	0.167632	762.2	42.4	0	-0.045	0.742
VosburgPike071715_68	SEC12	1245453.071433	2362049.544565	17-07-2015 13:53:15	0.000000	0.000000	0.284115	762.2	42.5	0	-0.034	1.258
VosburgPike071715_69	SEC12	1245558.307607	2362057.439888	17-07-2015 13:56:30	3.003043	0.000000	1.492044	761.8	42.6	13.308	-0.02	6.612
VosburgPike071715_70	SEC12	1245703.039633	2362075.156072	17-07-2015 14:01:33	1.784852	0.000000	4.179049	759.6	42.7	7.935	-0.022	18.579
VosburgPike071715_71	SEC12	1245677.048482	2362129.008224	17-07-2015 14:07:07	5742.713000	0.007450	16.264590	763.1	43.0	25437.7	0.033	72.045
VosburgPike071715_72	SEC12	1245783.583065	2362009.756069	17-07-2015 14:11:54	0.000000	0.000000	0.816738	774.7	43.3	0	-0.017	3.567
VosburgPike071715_73	SEC12	1245721.082554	2362190.480962	17-07-2015 14:16:29	0.000000	0.000000	0.142011	769.5	43.6	0	-0.041	0.625
VosburgPike071715_74	SEC12	1245776.367177	2362136.755786	17-07-2015 14:22:25	137.223600	0.029268	2.172426	769.1	43.9	604.815	0.129	9.575
VosburgPike071715_75	SEC12	1245788.509818	2362182.3342	17-07-2015 14:25:06	0.000000	0.000000	0.803469	763.8	44.0	0	-0.019	3.567
VosburgPike071715_76	SEC12	1245664.093357	2362216.160847	17-07-2015 14:28:12	0.000000	0.000000	1.861917	772.3	44.0	-2.596	-0.021	8.175
VosburgPike071715_77	SEC12	1245511.441885	2362250.043766	17-07-2015 14:32:13	0.000000	0.007404	0.656685	761.0	44.1	0	0.033	2.927
VosburgPike071715_78	SEC12	1245384.81854	2362242.189702	17-07-2015 14:35:09	0.000000	0.000000	1.402502	766.8	44.1	0	-0.025	6.204
VosburgPike071715_79	SEC12	1245402.146857	2362193.48736	17-07-2015 14:40:36	7.018831	0.002026	1.202302	763.7	44.1	31.174	0.009	5.34
VosburgPike071715_80	SEC12	1245412.317206	2362154.54976	17-07-2015 14:44:20	1.104702	0.000000	0.592186	769.9	44.1	4.867	-0.008	2.609
VosburgPike071715_81	SEC12	1245388.312522	2362046.59287	17-07-2015 14:48:57	0.000000	0.000000	0.297577	771.1	44.1	0	-0.006	1.309
VosburgPike071715_82	SEC12	1245279.82854	2362047.87019	17-07-2015 14:52:05	0.000000	0.000000	0.219734	760.3	44.0	0	-0.045	0.98
VosburgPike071715_83	SEC12	1245273.247788	2362148.230065	17-07-2015 14:55:18	0.000000	0.000000	0.285329	776.5	44.0	0	-0.021	1.246
VosburgPike071715_84	SEC12	1245256.787234	2362242.189734	17-07-2015 14:58:40	0.000000	0.000000	0.898799	768.9	44.1	0	-0.007	3.965
VosburgPike090815_01	SEC12	1245763.403	2362083.634	08-09-2015 14:28:39	0.000000	0.000000	0.682217	768.8	32.3	0	-0.001	2.898
VosburgPike090815_02	SEC12	1245786	2362100.153	08-09-2015 14:31:37	0.000000	0.000000	0.272313	761.5	32.6	0	-0.014	1.169

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike090815_03	SEC12	1245855.859	2362113.878	08-09-2015 14:35:04	0.000000	0.000233	0.294291	761.5	33.0	0	0.001	1.265
VosburgPike090815_04	SEC12	1245813.078	2362170.567	08-09-2015 14:38:32	0.000000	0.000000	0.335386	761.5	33.5	0	-0.004	1.444
VosburgPike090815_05	SEC12	1245753.008	2362183.651	08-09-2015 14:42:15	0.000000	0.000000	0.297680	761.5	34.3	0	-0.009	1.285
VosburgPike090815_06	SEC12	1245703.681	2362176.469	08-09-2015 14:45:23	0.000000	0.000000	0.324175	762.1	34.9	0	-0.024	1.401
VosburgPike090815_07	SEC12	1245702.56	2362149.187	08-09-2015 14:48:03	0.000000	0.000000	0.280986	762.3	35.4	0	-0.029	1.216
VosburgPike090815_08	SEC12	1245666.902	2362156.352	08-09-2015 14:52:16	0.000000	0.000000	1.139832	762.6	36.1	-0.049	-0.002	4.942
VosburgPike090815_09	SEC12	1245635.539	2362088.367	08-09-2015 14:57:38	7.501612	0.000000	1.090750	763.0	37.1	32.613	-0.018	4.742
VosburgPike090815_10	SEC12	1245702.56	2362078.357	08-09-2015 15:01:06	14.569290	0.006874	1.889355	761.5	37.7	63.587	0.03	8.246
VosburgPike090815_11	SEC12	1245681.914	2362027.311	08-09-2015 15:03:50	0.000000	0.000000	2.729766	761.4	38.0	0	-0.048	11.927
VosburgPike090815_12	SEC12	1245750.358	2362036.5	08-09-2015 15:07:15	0.000000	0.000000	1.136235	760.4	38.5	0	-0.051	4.979
VosburgPike090815_13	SEC12	1245648.619	2362044.248	08-09-2015 15:10:39	0.000000	0.000000	0.662505	760.6	39.0	0	-0.003	2.907
VosburgPike090815_14	SEC12	1245600.036	2362092.47	08-09-2015 15:13:03	0.000000	0.000000	1.267667	760.7	39.3	0	-0.022	5.567
VosburgPike090815_15	SEC12	1245618.305	2362136.825	08-09-2015 15:17:14	0.000000	0.000000	0.427442	761.4	39.9	0	-0.011	1.879
VosburgPike090815_16	SEC12	1245626.908	2362168.723	08-09-2015 15:19:44	0.000000	0.000000	0.295628	762.7	40.3	0	-0.023	1.299
VosburgPike090815_17	SEC12	1245549.333	2362197.679	08-09-2015 15:24:15	0.000000	0.000000	0.133927	763.0	40.7	0	-0.027	0.589
VosburgPike090815_18	SEC12	1245595.937	2362223.322	08-09-2015 15:29:21	0.000000	0.000000	0.054506	763.3	41.2	0	-0.053	0.24
VosburgPike090815_19	SEC12	1245627.741	2362220.528	08-09-2015 15:31:11	0.000000	0.000000	0.450731	762.5	41.4	0	-0.03	1.988
VosburgPike071415_62	SEC17	1240903.363352	2340953.846645	15-07-2015 09:59:48	0.000000	0.000000	0.753953	765.1	31.9	0	-0.068	3.214
VosburgPike071415_63	SEC17	1240898.479335	2340993.72052	15-07-2015 10:05:01	0.000000	0.000000	0.310906	765.1	33.2	0	-0.04	1.331
VosburgPike071415_64	SEC17	1240895.549654	2341045.317277	15-07-2015 10:09:16	0.000000	0.000000	0.406797	764.5	34.1	0	-0.024	1.748
VosburgPike071415_65	SEC17	1240896.710573	2341092.334382	15-07-2015 10:13:10	0.000000	0.000000	0.062439	767.1	34.8	0	-0.137	0.268
VosburgPike071415_66	SEC17	1240860.438625	2341096.902233	15-07-2015 10:19:13	0.000000	0.000000	1.150058	776.3	35.7	0	-0.086	4.892
VosburgPike071415_67	SEC17	1240849.962153	2341052.059552	15-07-2015 10:22:36	3.788762	0.000000	9.977812	769.5	36.2	16.285	0	42.887
VosburgPike071415_68	SEC17	1240848.401705	2341018.661121	15-07-2015 10:25:41	452.471400	0.030455	142.275200	776.1	36.7	1931.407	0.13	607.312
VosburgPike071415_69	SEC17	1240839.269421	2341001.371939	15-07-2015 10:28:41	1.060003	0.000000	0.825642	776.1	37.2	4.532	-0.175	3.53
VosburgPike071415_70	SEC17	1240844.152346	2340958.822591	15-07-2015 10:31:31	0.000000	0.000000	0.189135	768.9	37.5	0	-0.201	0.817

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071415_71	SEC17	1240796.28007	2340959.797522	15-07-2015 10:34:15	0.000000	0.000000	0.448335	773.5	37.8	0	-0.092	1.927
VosburgPike071415_72	SEC17	1240797.72213	2340993.953342	15-07-2015 10:36:59	0.000000	0.000000	0.270209	771.6	38.0	0	-0.149	1.165
VosburgPike071415_73	SEC17	1240803.761266	2341044.254503	15-07-2015 10:40:13	0.000000	0.000000	0.593425	769.2	38.3	0	0	2.569
VosburgPike071415_74	SEC17	1240784.316045	2341101.604071	15-07-2015 10:43:54	0.000000	0.000000	0.257131	766.6	38.6	0	-0.176	1.118
FloridaRiver062315_32	SEC18T35 NR8W	1237493.221693	2335134.188075	23-06-2015 16:35:52	0.000000	0.000000	0.160523	786.2	49.8	0	-0.074	0.705
FloridaRiver062315_33	SEC18T35 NR8W	1237427.140205	2335132.364815	23-06-2015 16:38:45	0.000000	0.000000	0.123882	775.6	49.5	0	-0.078	0.551
FloridaRiver062315_34	SEC18T35 NR8W	1237376.137993	2335132.165959	23-06-2015 16:40:49	0.000000	0.000000	0.331390	777.2	49.3	0	-0.039	1.47
FloridaRiver062315_35	SEC18T35 NR8W	1237329.326793	2335123.288532	23-06-2015 16:43:14	0.000000	0.000000	0.122036	777.2	49.1	0	-0.122	0.541
FloridaRiver062315_36	SEC18T35 NR8W	1237307.235746	2335183.0147	23-06-2015 16:46:01	0.000000	0.000000	0.297366	777.7	49.0	0	-0.026	1.317
FloridaRiver062315_37	SEC18T35 NR8W	1237315.696619	2335236.360026	23-06-2015 16:48:46	0.000000	0.000000	0.110920	778.1	49.0	0	-0.034	0.491
FloridaRiver062315_38	SEC18T35 NR8W	1237359.488253	2335244.916276	23-06-2015 16:50:57	0.000000	0.000000	0.277796	778.3	48.9	0	-0.126	1.229
FloridaRiver062315_39	SEC18T35 NR8W	1237369.395811	2335195.532105	23-06-2015 16:52:59	0.000000	0.000000	0.320003	777.6	48.9	-0.302	-0.06	1.417
FloridaRiver062315_40	SEC18T35 NR8W	1237416.610884	2335197.057584	23-06-2015 16:56:30	0.427823	0.000000	0.355165	777.2	49.0	1.896	-0.025	1.574
FloridaRiver062315_41	SEC18T35 NR8W	1237466.660326	2335193.039747	23-06-2015 16:58:58	0.000000	0.000000	0.473160	776.8	49.0	-1.097	-0.12	2.098
FloridaRiver062315_42	SEC18T35 NR8W	1237419.289105	2335227.716262	23-06-2015 17:01:27	0.000000	0.000000	0.272143	776.6	49.0	-0.002	-0.076	1.207
FloridaRiver062315_43	SEC18T35 NR8W	1237474.575507	2335248.974939	23-06-2015 17:05:27	0.000000	0.005190	0.150505	777.2	49.0	0	0.023	0.667
FloridaRiver062315_44	SEC18T35 NR8W	1237462.845136	2335302.639171	23-06-2015 17:08:08	0.000000	0.000000	0.281693	776.2	49.0	0	-0.043	1.25
FloridaRiver062315_45	SEC18T35 NR8W	1237421.570607	2335282.328428	23-06-2015 17:10:56	0.000000	0.000000	0.345070	777.6	48.9	0	-0.029	1.528

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
FloridaRiver062315_46	SEC18T35 NR8W	1237367.094537	2335302.100452	23-06-2015 17:14:29	0.000000	0.000000	0.267104	777.2	48.8	0	-0.133	1.183
FloridaRiver062315_47	SEC18T35 NR8W	1237326.817166	2335288.294004	23-06-2015 17:16:42	0.000000	0.000000	0.200766	778.0	48.7	0	-0.124	0.888
SFTexasCreek062915_01	TC2PR	1243370.257488	2373666.769988	29-06-2015 08:39:49	0.000000	0.000000	0.316604	781.6	25.4	-23.113	-0.005	1.293
SFTexasCreek062915_02	TC2PR	1243410.311302	2373563.741239	29-06-2015 08:44:36	0.000000	0.000000	0.059606	781.6	26.1	0	-0.001	0.244
SFTexasCreek062915_03	TC2PR	1243398.326979	2373395.579662	29-06-2015 08:49:35	0.000000	0.000000	0.064346	781.4	26.7	0	-0.024	0.264
SFTexasCreek062915_04	TC2PR	1243429.81872	2373160.995088	29-06-2015 08:53:57	0.000000	0.000000	0.243942	781.8	27.2	0	-0.003	1.002
SFTexasCreek062915_05	TC2PR	1243414.704551	2372773.97087	29-06-2015 08:59:28	0.000000	0.000000	0.195526	781.8	27.9	0	-0.034	0.805
SFTexasCreek062915_06	TC2PR	1243419.911318	2372562.92473	29-06-2015 09:02:55	0.000000	0.000000	0.141442	780.6	28.3	0	-0.013	0.584
SFTexasCreek062915_07	TC2PR	1243479.468335	2372331.921231	29-06-2015 09:06:58	0.000000	0.000000	0.042339	780.8	28.7	-1.572	-0.025	0.175
SFTexasCreek062915_08	TC2PR	1243445.013363	2372310.488198	29-06-2015 09:10:00	0.000000	0.000000	0.180003	780.8	29.1	0	-0.005	0.745
SFTexasCreek062915_09	TC2PR	1243515.940367	2371785.356692	29-06-2015 09:15:01	0.000000	0.000000	0.532944	781.2	29.7	0	-0.039	2.209
SFTexasCreek062915_10	TC2PR	1243488.901652	2371611.215189	29-06-2015 09:18:48	0.000000	0.000000	0.301569	780.6	30.2	0	-0.009	1.253
SFTexasCreek062915_11	TC2PR	1243540.623042	2371560.040072	29-06-2015 09:21:47	0.000000	0.000000	2.428080	780.2	30.6	0	-0.033	10.107
SFTexasCreek062915_12	TC2PR	1243558.362842	2371368.893631	29-06-2015 09:25:50	0.000000	0.000000	0.955864	780.2	31.3	-0.068	-0.003	3.988
SFTexasCreek062915_13	TC2PR	1243542.36634	2371157.032159	29-06-2015 09:29:10	2.869318	0.003590	1.616773	780.0	31.7	11.99	0.015	6.756
SFTexasCreek062915_14	TC2PR	1243569.389216	2371198.901874	29-06-2015 09:34:19	0.000000	0.000000	0.028163	779.7	32.4	0	-0.015	0.118
SFTexasCreek062915_15	TC2PR	1243582.674814	2371147.019951	29-06-2015 09:37:40	0.000000	0.000000	1.424411	779.7	32.7	0	-0.002	5.974
SFTexasCreek062915_16	TC2PR	1243588.847064	2371104.902344	29-06-2015 09:40:36	0.000000	0.000000	0.932148	779.7	32.9	0	-0.044	3.912
SFTexasCreek062915_17	TC2PR	1243554.6701	2370953.326814	29-06-2015 09:44:44	0.000000	0.000000	2.129153	779.9	33.2	0	-0.081	8.942
SFTexasCreek062915_18	TC2PR	1243453.374252	2370610.717985	29-06-2015 09:50:43	0.000000	0.000000	0.111425	779.7	33.8	0	-0.009	0.469
SFTexasCreek062915_19	TC2PR	1243410.493456	2370799.468399	29-06-2015 09:56:36	1.019962	0.000000	0.470734	780.3	34.6	4.301	-0.088	1.985
SFTexasCreek062915_20	TC2PR	1243564.429932	2370602.252819	29-06-2015 10:02:54	0.000000	0.000000	0.089149	780.1	35.4	0	-0.193	0.377
SFTexasCreek062915_21	TC2PR	1243559.045262	2370799.399588	29-06-2015 10:06:37	0.000000	0.000000	1.287675	779.2	35.7	0	-0.01	5.457
SFTexasCreek062915_22	TC2PR	1243084.909948	2370533.93514	29-06-2015 10:15:21	0.000000	0.000000	0.158857	779.3	36.1	0	-0.017	0.674
SFTexasCreek062915_23	TC2PR	1243186.278524	2370707.365101	29-06-2015 10:17:11	0.000000	0.010364	0.448233	779.3	36.3	0	0.044	1.903

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTexasCreek062915_24	TC2PR	1243368.666927	2370903.055355	29-06-2015 10:22:31	0.000000	0.000000	0.285727	780.1	36.6	-0.284	-0.011	1.213
SFTexasCreek062915_25	TC2PR	1243171.139181	2370934.300392	29-06-2015 10:27:09	0.000000	0.000000	0.155265	780.1	37.0	-0.415	-0.004	0.66
SFTexasCreek062915_26	TC2PR	1243153.007684	2371213.650838	29-06-2015 10:35:11	0.000000	0.000000	0.455767	780.3	37.5	-0.371	-0.109	1.94
SFTexasCreek062915_27	TC2PR	1243360.185513	2371245.643829	29-06-2015 10:37:23	42.437890	0.002816	1.143584	780.3	37.9	180.872	0.012	4.874
SFTexasCreek062915_28	TC2PR	1243331.903336	2371399.74097	29-06-2015 10:42:55	0.000000	0.000000	0.292619	780.4	38.4	0	-0.007	1.249
SFTexasCreek062915_29	TC2PR	1243208.260454	2371360.756111	29-06-2015 10:46:18	0.000000	0.000000	0.455769	780.1	38.7	0	-0.012	1.948
SFTexasCreek062915_30	TC2PR	1243215.716498	2371459.364649	29-06-2015 10:50:15	1.276001	0.008415	0.750548	780.1	39.0	5.459	0.036	3.211
SFTexasCreek062915_31	TC2PR	1243109.010922	2371536.122533	29-06-2015 10:54:10	0.000000	0.000000	0.504633	780.1	39.3	-2.071	-0.019	2.161
SFTexasCreek062915_32	TC2PR	1243352.261832	2371592.517778	29-06-2015 10:58:05	0.000000	0.000000	0.185050	780.3	39.6	0	-0.065	0.793
SFTexasCreek062915_33	TC2PR	1243473.789183	2371635.76244	29-06-2015 11:02:02	1.405844	0.010719	1.415398	779.7	39.8	6.033	0.046	6.074
SFTexasCreek062915_34	TC2PR	1243272.720107	2371764.876542	29-06-2015 11:08:00	0.000000	0.003023	0.236751	779.4	40.3	-0.491	0.013	1.018
SFTexasCreek062915_35	TC2PR	1243402.461153	2371970.12891	29-06-2015 11:11:53	0.000000	0.007208	0.249495	780.0	40.6	0	0.031	1.073
SFTexasCreek062915_36	TC2PR	1243210.896731	2371977.926248	29-06-2015 11:15:22	0.000000	0.000000	0.459664	780.3	40.9	0	-0.037	1.978
SFTexasCreek062915_37	TC2PR	1243188.345957	2371748.898422	29-06-2015 11:20:17	0.000000	0.000000	1.777609	780.0	41.3	0	-0.081	7.662
SFTexasCreek062915_38	TC2PR	1242940.063207	2371734.493464	29-06-2015 11:25:18	0.000000	0.010652	0.373045	780.0	41.9	0	0.046	1.611
SFTexasCreek062915_39	TC2PR	1242941.690296	2371584.514315	29-06-2015 11:28:58	0.000000	0.010407	0.188252	780.0	42.3	-0.006	0.045	0.814
SFTexasCreek062915_40	TC2PR	1242987.485598	2371420.654724	29-06-2015 11:33:00	0.000000	0.000000	0.219468	779.9	42.6	-0.05	-0.097	0.95
SFTexasCreek062915_41	TC2PR	1242961.878361	2371193.179995	29-06-2015 11:37:40	0.000000	0.004843	0.178040	779.3	42.9	-0.643	0.021	0.772
SFTexasCreek062915_42	TC2PR	1243008.52508	2371006.023826	29-06-2015 11:41:53	0.000000	0.007139	0.277046	778.2	42.9	-5.936	0.031	1.203
SFTexasCreek062915_43	TC2PR	1242796.03332	2371995.496942	29-06-2015 11:52:01	0.000000	0.004375	0.257175	778.0	42.9	-2.073	0.019	1.117
SFTexasCreek062915_44	TC2PR	1242890.731551	2371964.708969	29-06-2015 11:54:54	0.000000	0.007852	0.554038	779.9	42.7	-0.651	0.034	2.399
SFTexasCreek062915_45	TC2PR	1242760.625895	2372169.986793	29-06-2015 11:59:52	0.000000	0.006699	0.145764	780.1	42.7	0	0.029	0.631
SFTexasCreek062915_46	TC2PR	1242788.403671	2372361.241506	29-06-2015 12:03:57	0.000000	0.006690	0.290655	779.0	42.7	0	0.029	1.26
SFTexasCreek062915_47	TC2PR	1242755.885443	2372537.301109	29-06-2015 12:07:16	0.000000	0.014536	0.240643	778.9	42.6	0	0.063	1.043
SFTexasCreek062915_48	TC2PR	1242762.131226	2372764.796864	29-06-2015 12:12:28	0.000000	0.000000	0.308278	778.4	42.6	-1.029	-0.053	1.337
SFTexasCreek062915_49	TC2PR	1242803.025699	2372952.596371	29-06-2015 12:15:45	0.000000	0.009218	0.243361	778.0	42.6	0	0.04	1.056

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTexasCreek062915_50	TC2PR	1242785.272773	2373120.454909	29-06-2015 12:19:45	0.000000	0.000000	0.226771	778.8	42.6	0	-0.051	0.983
SFTexasCreek062915_51	TC2PR	1242696.654841	2373378.51079	29-06-2015 12:25:12	0.000000	0.010824	0.245033	777.7	42.7	-0.147	0.047	1.064
SFTexasCreek062915_52	TC2PR	1242567.158542	2373761.190953	29-06-2015 12:30:35	0.000000	0.007144	0.224233	778.0	42.6	0	0.031	0.973
SFTexasCreek062915_53	TC2PR	1242584.608922	2373944.589734	29-06-2015 12:33:51	0.000000	0.009006	0.442692	779.6	42.6	0	0.039	1.917
SFTexasCreek062915_54	TC2PR	1242568.041667	2374137.502591	29-06-2015 12:37:59	0.000000	0.000000	0.333656	780.3	42.7	0	-0.057	1.444
SFTexasCreek062915_55	TC2PR	1242805.874845	2374116.418022	29-06-2015 12:42:39	0.000000	0.010381	0.075668	779.3	42.8	0	0.045	0.328
SFTexasCreek062915_56	TC2PR	1242978.700086	2374112.417395	29-06-2015 12:54:20	0.000000	0.000000	0.417836	779.7	43.1	0	-0.092	1.812
SFTexasCreek062915_57	TC2PR	1242950.285426	2373966.281394	29-06-2015 12:59:28	0.000000	0.007847	0.519498	780.1	43.0	0	0.034	2.251
SFTexasCreek062915_58	TC2PR	1242805.43319	2373976.395817	29-06-2015 13:03:18	0.000000	0.007849	0.000000	780.1	42.9	-2.782	0.034	-0.847
SFTexasCreek062915_59	TC2PR	1242765.398288	2373768.48977	29-06-2015 13:06:48	0.000000	0.006464	0.224856	780.1	42.9	0	0.028	0.974
SFTexasCreek062915_60	TC2PR	1242978.40609	2373764.692249	29-06-2015 13:10:05	0.000000	0.003001	0.342614	779.9	42.8	0	0.013	1.484
SFTexasCreek062915_61	TC2PR	1243014.546476	2373597.616222	29-06-2015 13:13:19	0.000000	0.000000	0.342603	780.4	42.8	0	-0.008	1.483
SFTexasCreek062915_62	TC2PR	1242794.60485	2373565.395827	29-06-2015 13:17:36	0.000000	0.005773	0.241554	780.1	42.8	0	0.025	1.046
SFTexasCreek062915_63	TC2PR	1243031.513541	2373364.959414	29-06-2015 13:22:57	0.000000	0.003922	0.336814	779.3	42.8	0	0.017	1.46
SFTexasCreek062915_64	TC2PR	1242967.958192	2373177.096836	29-06-2015 13:28:01	0.000000	0.005767	0.133803	779.3	42.8	-0.762	0.025	0.58
SFTexasCreek062915_65	TC2PR	1242949.077548	2372989.296117	29-06-2015 13:31:12	0.000000	0.011765	0.199551	779.3	42.8	0	0.051	0.865
SFTexasCreek062915_66	TC2PR	1242892.249426	2372782.552247	29-06-2015 13:34:23	0.000000	0.008531	0.083930	778.9	42.8	0	0.037	0.364
SFTexasCreek062915_67	TC2PR	1242930.290066	2372554.602173	29-06-2015 13:39:09	2.528874	0.009458	1.813490	779.3	42.8	10.962	0.041	7.861
SFTexasCreek062915_68	TC2PR	1242986.194764	2372364.643414	29-06-2015 13:45:46	0.000000	0.005774	0.419393	779.4	42.5	0	0.025	1.816
SFTexasCreek063015_01	TC2PR	1243429.856765	2373770.795322	30-06-2015 08:25:27	0.000000	0.000000	0.102926	787.0	26.5	0	-0.002	0.419
SFTexasCreek063015_02	TC2PR	1243463.752594	2373851.674456	30-06-2015 08:28:15	0.000000	0.000000	0.024843	781.6	27.0	0	-0.001	0.102
SFTexasCreek063015_03	TC2PR	1243489.307722	2373881.273755	30-06-2015 08:32:26	5.802897	0.000000	1.288050	781.7	28.2	23.918	-0.02	5.309
SFTexasCreek063015_04	TC2PR	1243536.115872	2373925.001367	30-06-2015 08:35:00	200.289100	0.022506	4.780807	781.8	29.0	827.624	0.093	19.755
SFTexasCreek063015_05	TC2PR	1243568.866103	2373948.114873	30-06-2015 08:37:27	815.801800	0.014975	1.354546	782.1	29.7	3377.527	0.062	5.608
SFTexasCreek063015_06	TC2PR	1243619.825936	2373987.258729	30-06-2015 08:39:57	0.000000	0.000000	1.398490	782.4	30.5	0	-0.039	5.803
SFTexasCreek063015_07	TC2PR	1243654.365793	2374018.410758	30-06-2015 08:45:08	0.000000	0.000000	0.596973	782.2	32.0	0	-0.026	2.49

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTexasCreek063015_08	TC2PR	1243718.672953	2374099.600588	30-06-2015 08:49:20	0.000000	0.002867	0.340175	782.2	33.1	0	0.012	1.424
SFTexasCreek063015_09	TC2PR	1243549.995816	2373387.000982	30-06-2015 08:57:04	0.000000	0.000000	0.440023	782.2	35.1	0	-0.063	1.854
SFTexasCreek063015_10	TC2PR	1243756.064338	2373318.217934	30-06-2015 09:03:00	45.565160	0.011588	5.391810	782.2	36.2	192.67	0.049	22.799
SFTexasCreek063015_100	TC2PR	1243298.104937	2373979.691143	30-06-2015 14:50:16	0.000000	0.000000	0.247368	779.5	48.4	0	-0.176	1.091
SFTexasCreek063015_101	TC2PR	1243266.743985	2374026.271323	30-06-2015 14:53:00	0.000000	0.000000	1.207818	779.4	48.6	0	-0.18	5.331
SFTexasCreek063015_102	TC2PR	1243294.387761	2374062.63565	30-06-2015 14:55:26	0.000000	0.000000	0.582014	779.6	48.7	0	-0.091	2.569
SFTexasCreek063015_103	TC2PR	1243298.561961	2374090.314672	30-06-2015 14:59:08	0.000000	0.000000	0.671452	779.5	48.9	-2.304	-0.214	2.966
SFTexasCreek063015_104	TC2PR	1243336.55755	2374092.411808	30-06-2015 15:02:00	18.382800	0.031914	1.425501	779.6	49.0	81.217	0.141	6.298
SFTexasCreek063015_105	TC2PR	1243344.429391	2374114.115119	30-06-2015 15:04:20	1420.462000	0.021261	3.874315	779.3	49.1	6280.102	0.094	17.129
SFTexasCreek063015_106	TC2PR	1243322.478036	2374141.082683	30-06-2015 15:07:10	0.000000	0.000000	1.844919	779.8	49.2	-51.722	-0.202	8.154
SFTexasCreek063015_107	TC2PR	1243288.481071	2374126.404062	30-06-2015 15:09:37	2.807611	0.040264	1.817076	779.6	49.2	12.412	0.178	8.033
SFTexasCreek063015_108	TC2PR	1243289.560578	2374149.766366	30-06-2015 15:11:58	61.877940	0.037525	4.142482	779.1	49.2	273.728	0.166	18.325
SFTexasCreek063015_109	TC2PR	1243261.434013	2374101.325564	30-06-2015 15:14:35	0.000000	0.000000	1.335524	779.2	49.3	0	-0.008	5.909
SFTexasCreek063015_11	TC2PR	1243765.321625	2373362.015765	30-06-2015 09:06:40	953.418600	0.000000	2.047319	778.5	36.8	4058.5	-0.021	8.715
SFTexasCreek063015_110	TC2PR	1243234.77989	2374079.325292	30-06-2015 15:17:05	0.000000	0.000000	0.763469	779.2	49.4	0	-0.149	3.379
SFTexasCreek063015_111	TC2PR	1243199.706198	2374044.575861	30-06-2015 15:20:02	0.000000	0.000000	0.839922	779.1	49.5	0	-0.228	3.719
SFTexasCreek063015_112	TC2PR	1243172.389746	2374036.11962	30-06-2015 15:22:19	0.000000	0.000000	0.450563	779.1	49.5	-5.472	-0.156	1.995
SFTexasCreek063015_113	TC2PR	1243175.07651	2374005.350069	30-06-2015 15:25:26	0.000000	0.000000	0.678077	779.2	49.5	-2.404	-0.236	3.002
SFTexasCreek063015_114	TC2PR	1243159.400132	2373977.670237	30-06-2015 15:28:36	0.000000	0.000000	0.671613	779.3	49.5	0	-0.136	2.973
SFTexasCreek063015_12	TC2PR	1243691.783891	2373385.594014	30-06-2015 09:10:23	0.000000	0.000000	1.309329	779.3	37.2	0	-0.046	5.575
SFTexasCreek063015_13	TC2PR	1243879.415047	2373394.018947	30-06-2015 09:14:52	0.000000	0.000000	0.095229	779.3	37.6	0	-0.058	0.406
SFTexasCreek063015_14	TC2PR	1243857.989487	2373339.508327	30-06-2015 09:17:39	0.000000	0.000000	0.728343	778.1	37.7	0	-0.05	3.111
SFTexasCreek063015_15	TC2PR	1243918.93059	2373300.85875	30-06-2015 09:22:15	0.000000	0.000000	0.485031	778.0	38.0	0	-0.039	2.074
SFTexasCreek063015_16	TC2PR	1243969.5022	2373359.75926	30-06-2015 09:26:43	0.000000	0.000000	0.463923	776.8	38.5	0	-0.095	1.99
SFTexasCreek063015_17	TC2PR	1243984.879753	2373387.467876	30-06-2015 09:29:46	0.000000	0.000000	0.140414	776.9	38.9	0	-0.085	0.603
SFTexasCreek063015_18	TC2PR	1244145.803012	2373355.785321	30-06-2015 09:33:35	0.000000	0.000000	3.772761	776.8	39.4	-0.041	-0.096	16.23

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTexasCreek063015_19	TC2PR	1244305.131875	2373306.428339	30-06-2015 09:37:34	0.000000	0.000000	0.236763	775.4	39.9	0	-0.05	1.022
SFTexasCreek063015_20	TC2PR	1244299.494167	2373161.394897	30-06-2015 09:41:03	0.000000	0.000000	0.148379	773.6	40.4	0	-0.078	0.643
SFTexasCreek063015_21	TC2PR	1244344.308666	2373012.748179	30-06-2015 09:44:18	0.000000	0.000000	1.819882	773.8	40.9	-2.284	-0.131	7.897
SFTexasCreek063015_22	TC2PR	1244168.938502	2373013.384529	30-06-2015 09:48:35	0.000000	0.000000	0.501050	773.9	41.2	0	-0.027	2.176
SFTexasCreek063015_23	TC2PR	1244161.018685	2373154.78703	30-06-2015 09:51:58	0.000000	0.000000	0.044000	774.5	41.3	0	-0.098	0.191
SFTexasCreek063015_24	TC2PR	1243992.814364	2372947.382579	30-06-2015 09:57:49	3.301712	0.012448	1.886100	775.5	41.5	14.323	0.054	8.182
SFTexasCreek063015_25	TC2PR	1244138.445964	2372824.72698	30-06-2015 10:04:42	0.000000	0.000000	1.392876	776.2	41.4	0	-0.058	6.035
SFTexasCreek063015_26	TC2PR	1244143.901158	2372589.316323	30-06-2015 10:09:15	0.000000	0.000000	0.550364	775.9	41.2	0	-0.098	2.384
SFTexasCreek063015_27	TC2PR	1244154.507301	2372360.972095	30-06-2015 10:16:52	0.000000	0.000000	0.280531	776.3	40.8	0	-0.081	1.213
SFTexasCreek063015_28	TC2PR	1244329.120616	2372187.269591	30-06-2015 10:22:50	0.000000	0.000000	0.674726	775.4	40.6	0	-0.026	2.919
SFTexasCreek063015_29	TC2PR	1244193.312734	2372140.089123	30-06-2015 10:26:37	0.000000	0.000000	2.339928	775.4	40.6	0	-0.013	10.123
SFTexasCreek063015_30	TC2PR	1243969.542752	2372155.95944	30-06-2015 10:30:49	0.000000	0.000000	0.150968	774.6	40.7	0	-0.124	0.654
SFTexasCreek063015_31	TC2PR	1243964.969322	2372357.184612	30-06-2015 10:34:33	0.000000	0.000000	0.378782	776.2	40.6	0	-0.054	1.637
SFTexasCreek063015_32	TC2PR	1243960.47668	2372505.981526	30-06-2015 10:38:57	0.000000	0.000000	0.506902	776.2	40.5	0	-0.073	2.19
SFTexasCreek063015_33	TC2PR	1243930.032602	2372759.844005	30-06-2015 10:46:09	0.000000	0.000000	0.423857	778.1	40.2	0	-0.082	1.825
SFTexasCreek063015_34	TC2PR	1243995.714146	2372723.728876	30-06-2015 10:49:22	0.000000	0.000000	2.148241	776.9	40.1	0	-0.071	9.261
SFTexasCreek063015_35	TC2PR	1243925.33455	2373144.523852	30-06-2015 10:55:42	0.000000	0.000000	0.115571	777.0	40.0	0	-0.057	0.498
SFTexasCreek063015_36	TC2PR	1243755.39031	2373150.711773	30-06-2015 10:59:47	0.000000	0.000000	0.195088	775.5	39.9	0	-0.077	0.842
SFTexasCreek063015_37	TC2PR	1243759.191863	2372977.901817	30-06-2015 11:03:47	0.000000	0.000000	0.217780	777.1	39.9	0	-0.08	0.938
SFTexasCreek063015_38	TC2PR	1243776.943659	2372831.123653	30-06-2015 11:07:03	0.000000	0.000000	0.315635	776.8	39.9	0	-0.063	1.36
SFTexasCreek063015_39	TC2PR	1243551.492074	2372796.608229	30-06-2015 11:11:17	0.000000	0.000000	0.160108	776.9	40.0	0	-0.04	0.69
SFTexasCreek063015_40	TC2PR	1243570.214787	2372950.752223	30-06-2015 11:14:19	0.000000	0.000000	0.169161	779.3	40.1	0	-0.011	0.727
SFTexasCreek063015_41	TC2PR	1243572.581777	2373011.848637	30-06-2015 11:16:48	0.000000	0.000000	0.158113	779.0	40.2	0	0	0.68
SFTexasCreek063015_42	TC2PR	1243522.748022	2373053.013312	30-06-2015 11:19:41	0.000000	0.000000	0.904095	778.9	40.3	0	-0.011	3.89
SFTexasCreek063015_43	TC2PR	1243528.416723	2373002.170131	30-06-2015 11:22:59	32.069940	0.006279	5.897601	779.4	40.3	137.897	0.027	25.359
SFTexasCreek063015_44	TC2PR	1243509.834042	2372948.206803	30-06-2015 11:25:47	0.000000	0.000000	0.216573	779.6	40.3	0	-0.022	0.931

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTexasCreek063015_45	TC2PR	1243480.584617	2372977.704816	30-06-2015 11:28:26	0.000000	0.000000	0.203559	779.9	40.4	0	-0.008	0.875
SFTexasCreek063015_46	TC2PR	1243450.607025	2373042.271903	30-06-2015 11:31:00	0.000000	0.000000	0.536794	779.7	40.4	0	-0.059	2.308
SFTexasCreek063015_47	TC2PR	1243564.425769	2373180.686212	30-06-2015 11:34:30	0.000000	0.000000	0.237994	779.4	40.5	0	-0.088	1.024
SFTexasCreek063015_48	TC2PR	1242967.824995	2372155.886481	30-06-2015 11:52:02	0.000000	0.000000	0.410304	778.8	40.9	0	-0.073	1.769
SFTexasCreek063015_49	TC2PR	1242972.272828	2372337.639538	30-06-2015 11:55:19	0.000000	0.000000	0.460644	779.6	40.9	0	0	1.984
SFTexasCreek063015_50	TC2PR	1243364.095812	2372164.02468	30-06-2015 12:03:04	0.000000	0.000000	1.514668	779.6	41.3	0	0	6.532
SFTexasCreek063015_51	TC2PR	1243334.53601	2372206.33281	30-06-2015 12:06:09	0.000000	0.006959	1.270519	779.9	41.3	0	0.03	5.477
SFTexasCreek063015_52	TC2PR	1243393.850879	2372238.52335	30-06-2015 12:08:49	0.000000	0.000000	0.567610	779.4	41.5	0	-0.078	2.45
SFTexasCreek063015_53	TC2PR	1243371.312101	2372279.111792	30-06-2015 12:11:06	0.000000	0.000000	0.511845	779.4	41.6	0	-0.019	2.21
SFTexasCreek063015_54	TC2PR	1243422.597325	2372307.771212	30-06-2015 12:13:36	0.000000	0.000000	0.604836	779.4	41.9	-0.01	-0.045	2.614
SFTexasCreek063015_55	TC2PR	1243344.976149	2372386.909965	30-06-2015 12:16:27	0.000000	0.000000	0.455419	779.2	42.1	0	-0.083	1.97
SFTexasCreek063015_56	TC2PR	1243226.471006	2372193.376436	30-06-2015 12:19:55	0.000000	0.000000	1.068640	779.2	42.4	0	-0.114	4.627
SFTexasCreek063015_57	TC2PR	1243164.134503	2372377.551787	30-06-2015 12:22:54	0.000000	0.000000	0.549583	781.2	42.6	0	-0.053	2.375
SFTexasCreek063015_58	TC2PR	1243122.948113	2372526.184886	30-06-2015 12:25:46	0.000000	0.000000	1.371479	779.3	42.8	0	-0.075	5.945
SFTexasCreek063015_59	TC2PR	1243134.356946	2372711.073947	30-06-2015 12:28:53	0.000000	0.000000	0.406048	779.4	43.0	0	-0.126	1.761
SFTexasCreek063015_60	TC2PR	1243364.983332	2372569.881216	30-06-2015 12:32:59	0.000000	0.000000	0.574145	779.9	43.2	-0.254	-0.036	2.49
SFTexasCreek063015_61	TC2PR	1243159.982853	2372961.512057	30-06-2015 12:38:26	0.000000	0.000000	0.753653	779.1	43.6	0	-0.141	3.276
SFTexasCreek063015_62	TC2PR	1243134.585243	2373132.517395	30-06-2015 12:43:37	0.000000	0.000000	0.464081	779.7	43.8	-0.243	-0.031	2.017
SFTexasCreek063015_63	TC2PR	1243142.820061	2373371.693915	30-06-2015 12:47:17	0.000000	0.000000	0.571727	779.9	43.9	-6.892	-0.142	2.485
SFTexasCreek063015_64	TC2PR	1243154.421606	2373535.260848	30-06-2015 12:51:22	0.000000	0.000000	0.742301	780.0	44.0	0	-0.125	3.227
SFTexasCreek063015_65	TC2PR	1243155.850101	2373674.86667	30-06-2015 12:54:14	0.000000	0.000000	1.043020	780.3	44.1	0	-0.098	4.534
SFTexasCreek063015_66	TC2PR	1243148.234169	2373771.034071	30-06-2015 12:57:18	0.000000	0.000000	0.971611	780.1	44.2	0	-0.061	4.226
SFTexasCreek063015_67	TC2PR	1243169.790692	2373869.006102	30-06-2015 13:00:17	0.000000	0.000000	0.886034	780.1	44.3	0	-0.053	3.855
SFTexasCreek063015_68	TC2PR	1243191.492823	2373969.480067	30-06-2015 13:05:07	0.000000	0.000000	0.515405	780.4	44.5	0	-0.048	2.243
SFTexasCreek063015_69	TC2PR	1243201.167309	2373748.639922	30-06-2015 13:09:06	0.000000	0.000000	0.692084	780.1	44.6	0	-0.013	3.014
SFTexasCreek063015_70	TC2PR	1243245.27351	2373566.012486	30-06-2015 13:11:54	0.000000	0.000000	0.371855	780.3	44.6	0	-0.153	1.619

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTexasCreek063015_71	TC2PR	1243342.847724	2373394.588395	30-06-2015 13:14:50	0.000000	0.000000	0.478474	780.0	44.6	0	-0.051	2.084
SFTexasCreek063015_72	TC2PR	1243367.929592	2373564.813042	30-06-2015 13:26:35	0.000000	0.000000	1.463466	779.4	43.8	0	-0.072	6.363
SFTexasCreek063015_73	TC2PR	1243285.735102	2373750.443276	30-06-2015 13:33:25	4.186162	0.028531	1.190919	779.7	43.8	18.194	0.124	5.176
SFTexasCreek063015_74	TC2PR	1243287.195952	2373703.300437	30-06-2015 13:35:50	0.000000	0.000000	0.572324	780.4	43.9	0	-0.076	2.486
SFTexasCreek063015_75	TC2PR	1243259.872705	2373649.313293	30-06-2015 13:39:56	0.000000	0.000000	0.287638	779.9	44.1	0	-0.123	1.251
SFTexasCreek063015_76	TC2PR	1243217.205364	2373767.697864	30-06-2015 13:42:51	0.000000	0.000000	1.470333	780.0	44.2	0	-0.154	6.396
SFTexasCreek063015_77	TC2PR	1243237.593557	2373815.329682	30-06-2015 13:47:13	0.000000	0.000000	1.760485	780.0	44.4	0	-0.089	7.663
SFTexasCreek063015_78	TC2PR	1243251.85769	2373801.270212	30-06-2015 13:49:28	0.000000	0.000000	0.390159	779.7	44.6	0	-0.057	1.7
SFTexasCreek063015_79	TC2PR	1243289.982656	2373816.404301	30-06-2015 13:52:00	144.615200	0.063569	3.610600	779.9	44.7	630.153	0.277	15.733
SFTexasCreek063015_80	TC2PR	1243222.487386	2373855.283951	30-06-2015 13:54:33	0.000000	0.000000	1.233203	779.9	44.9	0	-0.133	5.377
SFTexasCreek063015_81	TC2PR	1243233.218098	2373914.601302	30-06-2015 13:56:58	0.000000	0.000000	0.918995	780.0	45.1	0	-0.094	4.009
SFTexasCreek063015_82	TC2PR	1243234.86918	2373967.598355	30-06-2015 13:59:32	0.000000	0.000000	0.817475	780.3	45.3	0	-0.086	3.567
SFTexasCreek063015_83	TC2PR	1243289.786964	2373923.880655	30-06-2015 14:02:00	0.000000	0.000000	1.617777	780.0	45.4	0	-0.016	7.064
SFTexasCreek063015_84	TC2PR	1243320.533723	2373893.560208	30-06-2015 14:04:24	2.618799	0.049446	1.587303	779.9	45.5	11.44	0.216	6.934
SFTexasCreek063015_85	TC2PR	1243358.158336	2373979.130407	30-06-2015 14:06:56	0.000000	0.000000	0.895415	779.9	45.7	0	-0.074	3.914
SFTexasCreek063015_86	TC2PR	1243372.944729	2373975.712774	30-06-2015 14:09:09	34.326140	0.036363	1.924059	779.9	45.8	150.092	0.159	8.413
SFTexasCreek063015_87	TC2PR	1243414.924801	2373997.427583	30-06-2015 14:11:30	0.000000	0.000000	0.235186	779.9	46.0	-1.801	-0.09	1.029
SFTexasCreek063015_88	TC2PR	1243417.945571	2373962.408183	30-06-2015 14:18:21	0.000000	0.000000	1.770217	779.4	46.2	-169.653	-0.167	7.755
SFTexasCreek063015_89	TC2PR	1243459.66228	2374004.474422	30-06-2015 14:20:38	0.000000	0.000000	0.308640	779.7	46.3	-15.308	-0.055	1.352
SFTexasCreek063015_90	TC2PR	1243512.370002	2374052.826186	30-06-2015 14:23:24	6.462071	0.000000	1.843502	779.7	46.4	28.316	-0.14	8.078
SFTexasCreek063015_91	TC2PR	1243552.922798	2374034.657335	30-06-2015 14:25:55	22.041090	0.013679	1.703939	779.4	46.6	96.679	0.06	7.474
SFTexasCreek063015_92	TC2PR	1243585.564444	2374047.186156	30-06-2015 14:28:15	0.000000	0.000000	0.583009	779.6	46.9	0	-0.105	2.559
SFTexasCreek063015_93	TC2PR	1243536.965497	2374085.027547	30-06-2015 14:30:50	0.000000	0.000000	0.677221	779.7	47.1	0	-0.041	2.974
SFTexasCreek063015_94	TC2PR	1243528.5148	2374060.085553	30-06-2015 14:33:12	0.000000	0.038217	1.587840	779.4	47.3	0	0.168	6.98
SFTexasCreek063015_95	TC2PR	1243480.583725	2374089.584073	30-06-2015 14:36:17	0.000000	0.000000	0.321254	780.0	47.5	-2.536	-0.081	1.412
SFTexasCreek063015_96	TC2PR	1243450.893991	2374053.276296	30-06-2015 14:38:46	8.640121	0.039101	2.110529	779.6	47.6	38.007	0.172	9.284

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTexasCreek063015_97	TC2PR	1243400.923888	2374039.850075	30-06-2015 14:41:24	0.000000	0.000000	0.253704	779.4	47.8	-0.042	-0.054	1.117
SFTexasCreek063015_98	TC2PR	1243354.198233	2374029.375796	30-06-2015 14:43:49	0.000000	0.000000	0.789794	779.5	48.0	-9.757	-0.185	3.479
SFTexasCreek063015_99	TC2PR	1243338.460752	2374021.364319	30-06-2015 14:47:39	0.000000	0.000000	1.042042	779.5	48.2	0	0	4.593
SFTexasCreek070115_115	TC2PR	1243374.88773	2373804.387755	01-07-2015 10:32:17	0.000000	0.000000	3.619492	779.3	35.6	0	-0.166	15.332
SFTexasCreek070115_116	TC2PR	1243426.385967	2373915.351813	01-07-2015 10:35:10	0.000000	0.000000	0.836438	779.3	36.2	0	-0.045	3.55
SFTexasCreek070115_117	TC2PR	1243469.418744	2373927.332321	01-07-2015 10:37:31	3.632758	0.014815	1.687746	779.3	36.8	15.448	0.063	7.177
SFTexasCreek070115_118	TC2PR	1243537.982905	2373971.455902	01-07-2015 10:40:27	2.776896	0.024863	2.353759	779.3	37.6	11.839	0.106	10.035
SFTexasCreek070115_119	TC2PR	1243430.022917	2374112.841213	01-07-2015 10:45:04	0.000000	0.000000	0.353457	779.7	38.6	0	-0.057	1.511
SFTexasCreek070115_120	TC2PR	1243402.586687	2374085.99929	01-07-2015 10:47:34	0.000000	0.000000	0.679039	780.1	39.1	0	-0.036	2.906
SFTexasCreek070115_121	TC2PR	1243382.383118	2374110.167338	01-07-2015 10:50:35	0.000000	0.000000	1.249824	780.1	39.7	0	0	5.359
SFTexasCreek070115_122	TC2PR	1243372.917907	2374136.935624	01-07-2015 10:54:37	0.000000	0.000000	2.030714	780.1	40.3	0	-0.116	8.724
SFTexasCreek070115_123	TC2PR	1243384.315053	2374141.871822	01-07-2015 10:59:07	6588.414000	0.027647	0.091305	780.1	40.9	28358.17	0.119	0.393
SFTexasCreek070115_124	TC2PR	1243444.853296	2374138.83849	01-07-2015 11:02:16	0.000000	0.000000	0.707483	780.1	41.5	-16.201	-0.064	3.051
SFTexasCreek070115_125	TC2PR	1243372.251797	2374154.878645	01-07-2015 11:05:00	0.000000	0.000000	0.035674	780.3	41.9	-2.146	-0.03	0.154
SFTexasCreek070115_126	TC2PR	1243370.635563	2374170.136766	01-07-2015 11:07:25	357.407500	0.017585	2.815973	780.4	42.3	1544.635	0.076	12.17
SFTexasCreek070115_127	TC2PR	1243405.307024	2374149.66977	01-07-2015 11:19:22	0.000000	0.000000	1.036541	780.4	43.8	-9.16	-0.154	4.501
SFTexasCreek070115_128	TC2PR	1243380.155787	2374190.099634	01-07-2015 11:23:10	14.402530	0.000000	1.638035	780.0	44.4	62.691	-0.094	7.13
SFTexasCreek070115_129	TC2PR	1243402.363619	2374243.515844	01-07-2015 11:25:50	0.000000	0.000000	0.971479	780.3	44.7	0	-0.121	4.231
SFTexasCreek070115_130	TC2PR	1243352.97645	2374248.369117	01-07-2015 11:28:21	0.000000	0.000000	1.295740	780.1	45.0	0	-0.07	5.65
SFTexasCreek070115_131	TC2PR	1243348.157407	2374236.338039	01-07-2015 11:30:49	4.971184	0.013060	1.624221	780.1	45.3	21.697	0.057	7.089
SFTexasCreek070115_132	TC2PR	1243279.207438	2374145.067885	01-07-2015 11:34:45	0.000000	0.000000	0.359815	780.3	45.7	0	0	1.572
SFTexasCreek070115_133	TC2PR	1243349.799657	2374268.336694	01-07-2015 11:37:25	0.000000	0.000000	1.593291	780.0	45.9	0	-0.118	6.968
SFTexasCreek070115_134	TC2PR	1243265.248881	2374257.710567	01-07-2015 11:40:51	2.779545	0.008449	3.259777	779.7	46.2	12.172	0.037	14.275
SFTexasCreek070115_135	TC2PR	1243205.977124	2374253.588045	01-07-2015 11:43:37	0.000000	0.000000	0.276802	779.4	46.3	-2.408	-0.165	1.213
SFTexasCreek070115_136	TC2PR	1243171.385976	2374134.47967	01-07-2015 11:47:36	0.000000	0.000000	0.420242	778.2	46.4	0	0	1.845
SFTexasCreek070115_137	TC2PR	1243164.987047	2374076.873419	01-07-2015 11:50:01	0.000000	0.000000	0.355875	779.4	46.4	0	-0.086	1.56

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTexasCreek070115_138	TC2PR	1243215.576029	2374137.017506	01-07-2015 11:53:09	0.000000	0.000000	0.070746	779.7	46.4	0	-0.123	0.31
SFTexasCreek070115_139	TC2PR	1243230.213094	2374168.196543	01-07-2015 11:55:25	0.000000	0.000000	0.287937	778.9	46.4	-0.443	-0.107	1.263
SFTexasCreek070115_140	TC2PR	1243264.603756	2374176.332523	01-07-2015 11:58:04	5.044884	0.000000	1.406793	779.0	46.3	22.119	-0.066	6.168
SFTexasCreek070115_141	TC2PR	1243240.354932	2374214.111993	01-07-2015 12:00:49	0.000000	0.000000	0.473367	779.3	46.2	-3.122	-0.152	2.074
SFTexasCreek070115_142	TC2PR	1243251.519282	2374343.599254	01-07-2015 12:04:21	22.691380	0.011858	3.721278	778.6	46.2	99.509	0.052	16.319
SFTexasCreek070115_143	TC2PR	1243337.502727	2374359.971085	01-07-2015 12:07:09	1.218562	0.000000	2.351291	779.2	46.1	5.338	0	10.3
SFTexasCreek070115_144	TC2PR	1243385.645457	2374360.26066	01-07-2015 12:09:39	0.442403	0.000000	1.358990	780.4	46.1	1.935	-0.076	5.944
SFTexasCreek070115_145	TC2PR	1243458.321908	2374360.713147	01-07-2015 12:12:04	0.000000	0.000000	1.432561	780.0	46.1	0	-0.046	6.269
SFTexasCreek070115_146	TC2PR	1243523.753535	2374395.608251	01-07-2015 12:14:53	0.000000	0.000000	0.535342	779.9	46.1	-0.294	-0.13	2.343
SFTexasCreek070115_147	TC2PR	1243544.347024	2374283.389743	01-07-2015 12:17:43	0.000000	0.000000	0.424407	780.1	46.1	0	-0.098	1.857
SFTexasCreek070115_148	TC2PR	1243491.43513	2374301.329973	01-07-2015 12:20:31	0.000000	0.000000	0.461684	780.0	46.2	0	-0.04	2.021
SFTexasCreek070115_149	TC2PR	1243451.511377	2374232.38738	01-07-2015 12:23:10	0.000000	0.000000	0.355001	780.0	46.2	0	-0.036	1.554
SFTexasCreek070115_150	TC2PR	1243550.137065	2374182.527949	01-07-2015 12:27:33	0.000000	0.000000	0.364093	779.9	46.4	0	-0.073	1.595
SFTexasCreek070115_151	TC2PR	1243575.070993	2374943.961528	01-07-2015 12:35:32	0.000000	0.000000	0.308254	779.7	46.7	0	0	1.352
SFTexasCreek070115_152	TC2PR	1243414.569531	2374933.32557	01-07-2015 12:39:04	0.000000	0.000000	0.245161	779.9	46.7	0	-0.052	1.075
SFTexasCreek070115_153	TC2PR	1243402.361518	2374730.360758	01-07-2015 12:42:43	0.000000	0.000000	0.487542	779.1	46.7	0	-0.066	2.14
SFTexasCreek070115_154	TC2PR	1243355.019896	2374609.621033	01-07-2015 12:45:57	0.000000	0.000000	0.966789	779.7	46.6	0	-0.146	4.239
SFTexasCreek070115_155	TC2PR	1243543.822214	2374581.46304	01-07-2015 12:49:19	0.000000	0.000000	0.740733	779.9	46.6	0	-0.103	3.247
SFTexasCreek070115_156	TC2PR	1243454.772214	2374466.19454	01-07-2015 12:52:05	0.000000	0.000000	0.557318	779.9	46.6	0	-0.083	2.443
SFTexasCreek070115_157	TC2PR	1243336.096809	2374450.074431	01-07-2015 12:55:04	0.000000	0.000000	0.606666	779.7	46.6	0	-0.119	2.66
SFTexasCreek070115_158	TC2PR	1243267.271791	2374445.721324	01-07-2015 12:57:50	0.000000	0.000000	0.557345	779.3	46.6	0	-0.03	2.445
SFTexasCreek070115_159	TC2PR	1243217.770884	2374358.522226	01-07-2015 13:00:45	0.000000	0.000000	1.180647	778.6	46.6	0	-0.131	5.184
SFTexasCreek070115_160	TC2PR	1243176.060817	2374352.064584	01-07-2015 13:03:07	0.000000	0.000000	0.053480	778.0	46.6	0	-0.091	0.235
SFTexasCreek070115_161	TC2PR	1243072.994965	2374358.19542	01-07-2015 13:05:46	0.000000	0.000000	0.089379	777.5	46.6	0	-0.12	0.393
SFTexasCreek070115_162	TC2PR	1243000.612934	2374339.316936	01-07-2015 13:08:13	0.000000	0.000000	0.087604	777.9	46.6	0	0	0.385
SFTexasCreek070115_163	TC2PR	1242950.729139	2374356.053609	01-07-2015 13:10:48	0.000000	0.000000	0.714442	777.6	46.7	0	-0.092	3.142

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTexasCreek070115_164	TC2PR	1242597.408346	2374383.232045	01-07-2015 13:14:34	0.000000	0.000000	0.069299	777.0	46.7	0	-0.157	0.305
SFTexasCreek070115_165	TC2PR	1242604.732077	2374524.780813	01-07-2015 13:17:05	0.000000	0.000000	0.697314	777.0	46.8	0	-0.097	3.07
SFTexasCreek070115_166	TC2PR	1242646.038682	2374760.217415	01-07-2015 13:20:08	0.000000	0.000000	3.337947	777.3	46.8	0	0	14.69
SFTexasCreek070115_167	TC2PR	1242563.156219	2374953.061934	01-07-2015 13:23:07	0.000000	0.000000	0.248603	777.6	46.9	0	-0.048	1.094
SFTexasCreek070115_168	TC2PR	1242445.529839	2374912.848497	01-07-2015 13:25:37	0.000000	0.000000	4.441116	777.7	46.9	0	-0.088	19.541
SFTexasCreek070115_169	TC2PR	1242390.474126	2375104.919329	01-07-2015 13:28:27	0.000000	0.000000	0.586632	777.7	47.0	0	-0.047	2.582
SFTexasCreek070115_170	TC2PR	1242559.066184	2375183.189161	01-07-2015 13:33:03	0.000000	0.000000	0.334482	777.8	47.0	0	-0.015	1.472
SFTexasCreek070115_171	TC2PR	1242769.698457	2375219.989536	01-07-2015 13:36:18	0.000000	0.000000	1.649780	778.3	47.1	0	-0.112	7.258
SFTexasCreek070115_172	TC2PR	1243047.743142	2375064.491959	01-07-2015 13:41:22	0.000000	0.000000	0.025223	778.3	47.2	0	-0.118	0.111
SFTexasCreek070115_173	TC2PR	1243215.095812	2375059.237243	01-07-2015 13:44:24	0.000000	0.000000	0.817689	777.1	47.2	0	-0.129	3.604
SFTexasCreek070115_174	TC2PR	1243245.52067	2374954.363495	01-07-2015 13:47:35	0.000000	0.000000	0.736884	777.3	47.1	0	-0.102	3.246
SFTexasCreek070115_175	TC2PR	1243198.562978	2374868.946036	01-07-2015 13:50:26	0.000000	0.000000	0.834882	776.6	47.1	-2.096	-0.141	3.681
SFTexasCreek070115_176	TC2PR	1243220.935802	2374750.389761	01-07-2015 13:54:00	0.000000	0.000000	0.560536	776.1	47.1	0	-0.123	2.473
SFTexasCreek070115_177	TC2PR	1243134.741949	2374752.361046	01-07-2015 13:57:12	0.000000	0.000000	1.361730	776.6	47.0	0	-0.031	6.002
SFTexasCreek070115_178	TC2PR	1242993.282338	2374742.698623	01-07-2015 13:59:57	0.000000	0.000000	1.428540	775.8	46.9	0	-0.008	6.301
SFTexasCreek070115_179	TC2PR	1243010.670313	2374648.51113	01-07-2015 14:02:28	0.000000	0.000000	1.339387	775.9	46.9	0	-0.052	5.907
SFTexasCreek070115_180	TC2PR	1243071.107812	2374632.575792	01-07-2015 14:04:53	0.000000	0.000000	0.205095	776.1	46.8	0	-0.021	0.904
SFTexasCreek070115_181	TC2PR	1243143.498368	2374643.374601	01-07-2015 14:07:23	0.000000	0.000000	3.002624	776.2	46.8	0	-0.062	13.233
SFTexasCreek070115_182	TC2PR	1243171.088434	2374572.207745	01-07-2015 14:10:32	0.000000	0.000000	0.285666	776.8	46.8	0	-0.057	1.258
SFTexasCreek070115_183	TC2PR	1243285.299602	2374553.07311	01-07-2015 14:13:37	0.000000	0.000000	0.348110	777.3	46.8	0	-0.053	1.532
SFTexasCreek070115_184	TC2PR	1243258.979851	2374649.758025	01-07-2015 14:16:18	0.000000	0.000000	0.462831	778.4	46.8	0	-0.125	2.034
SFTexasCreek070115_185	TC2PR	1243406.647272	2375035.02039	01-07-2015 14:23:11	0.000000	0.000000	0.091148	777.8	46.9	0	-0.172	0.401
SFTexasCreek070115_186	TC2PR	1243027.330291	2374975.179518	01-07-2015 14:29:18	0.000000	0.000000	0.472434	778.1	46.8	0	-0.167	2.077
SFTexasCreek070115_187	TC2PR	1242804.355352	2374883.17531	01-07-2015 14:33:37	0.000000	0.000000	0.344958	776.1	46.7	0	-0.193	1.52
SFTexasCreek070115_188	TC2PR	1242811.235981	2374760.585704	01-07-2015 14:36:17	0.000000	0.000000	1.447742	775.4	46.6	0	-0.089	6.383
SFTexasCreek070115_189	TC2PR	1242832.859494	2374580.399304	01-07-2015 14:39:13	0.000000	0.000000	1.508287	775.5	46.5	0	-0.046	6.647

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTexasCreek070115_190	TC2PR	1242959.427637	2374528.726265	01-07-2015 14:42:11	0.000000	0.000000	3.545036	775.8	46.4	0	-0.052	15.612
SFTexasCreek070115_191	TC2PR	1242946.264392	2374461.86002	01-07-2015 14:44:35	0.000000	0.000000	0.032913	775.5	46.4	-2.778	-0.144	0.145
SFTexasCreek070115_192	TC2PR	1243049.82434	2374546.058014	01-07-2015 14:47:37	0.000000	0.000000	0.665203	775.4	46.4	0	-0.138	2.931
SFTexasCreek070115_193	TC2PR	1243059.624341	2374450.447657	01-07-2015 14:50:09	0.000000	0.000000	2.950795	776.1	46.4	0	0	12.99
SFTexasCreek070115_194	TC2PR	1243164.572854	2374476.767709	01-07-2015 14:53:01	0.000000	0.000000	0.826455	777.4	46.3	0	-0.127	3.631
PineRiver070215_01	TC2PR	1238390.821	2386788.235	02-07-2015 08:20:43	0.000000	0.000000	0.032271	788.7	26.3	-0.256	-0.001	0.131
PineRiver070215_02	TC2PR	1238572.291	2386749.014	02-07-2015 08:24:10	0.000000	0.000000	0.637714	788.8	26.6	0	-0.006	2.591
PineRiver070215_03	TC2PR	1238518.524	2386551.014	02-07-2015 08:29:33	0.000000	0.000000	7.321208	788.7	27.2	-0.174	-0.017	29.809
PineRiver070215_04	TC2PR	1238557.372	2386390.557	02-07-2015 08:33:19	0.000000	0.000000	2.536695	786.7	27.5	-0.224	-0.001	10.365
PineRiver070215_05	TC2PR	1238542.26	2386145.535	02-07-2015 08:38:50	0.000000	0.003654	0.254790	784.3	28.0	0	0.015	1.046
PineRiver070215_06	TC2PR	1238578.058	2386076.439	02-07-2015 08:41:32	4.905290	0.002917	5.950189	783.3	28.2	20.177	0.012	24.475
PineRiver070215_07	TC2PR	1238569.832	2385951.205	02-07-2015 08:44:48	0.000000	0.003887	1.558372	783.6	28.5	-0.043	0.016	6.414
PineRiver070215_08	TC2PR	1238329.018	2385971.798	02-07-2015 08:48:21	0.000000	0.000727	0.233821	782.5	28.9	0	0.003	0.965
PineRiver070215_09	TC2PR	1238324.322	2386178.42	02-07-2015 08:52:16	0.000000	0.002663	0.400421	782.6	29.2	-0.151	0.011	1.654
PineRiver070215_10	TC2PR	1238368.535	2386365.912	02-07-2015 08:56:15	0.000000	0.000000	0.626298	784.9	29.5	0	-0.001	2.582
PineRiver070215_11	TC2PR	1238128.628	2386354.125	02-07-2015 08:59:55	0.000000	0.000000	0.022555	785.3	29.7	0	-0.002	0.093
PineRiver070215_12	TC2PR	1238164.591	2386594.865	02-07-2015 09:04:27	0.000000	0.001696	0.283717	785.3	30.0	0	0.007	1.171
PineRiver070215_13	TC2PR	1238355.152	2386536.442	02-07-2015 09:09:01	0.000000	0.000000	0.913722	787.8	30.3	-0.113	-0.011	3.763
PineRiver070215_14	TC2PR	1238186.575	2386761.233	02-07-2015 09:18:50	0.000000	0.001455	0.272402	788.8	31.0	0	0.006	1.123
PineRiver070215_15	TC2PR	1237979.045	2386782.956	02-07-2015 09:21:51	0.000000	0.000243	0.218062	789.3	31.2	-0.05	0.001	0.899
PineRiver070215_16	TC2PR	1237957.159	2386961.982	02-07-2015 09:24:30	0.000000	0.000000	0.626886	789.3	31.5	0	-0.001	2.587
PineRiver070215_17	TC2PR	1237938.913	2387156.886	02-07-2015 09:27:38	0.000000	0.003147	1.075333	789.3	31.8	0	0.013	4.442
PineRiver070215_18	TC2PR	1237956.967	2387327.206	02-07-2015 09:31:28	0.000000	0.004112	0.322437	789.7	32.2	0	0.017	1.333
PineRiver070215_19	TC2PR	1238175.055	2387366.29	02-07-2015 09:34:32	0.000000	0.000000	0.243572	789.4	32.4	0	-0.009	1.008
PineRiver070215_20	TC2PR	1238148.316	2387142.371	02-07-2015 09:37:23	0.000000	0.001207	1.897312	789.3	32.6	0	0.005	7.858
PineRiver070215_21	TC2PR	1238172.657	2386987.034	02-07-2015 09:39:51	0.000000	0.002896	0.570655	789.3	32.8	-0.025	0.012	2.365

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver070215_22	TC2PR	1238344.284	2387312.348	02-07-2015 09:43:29	0.000000	0.000964	0.613846	789.4	33.2	0	0.004	2.547
PineRiver070215_23	TC2PR	1238365.667	2387128.091	02-07-2015 09:46:53	0.000000	0.004576	0.752802	789.3	33.4	0	0.019	3.126
PineRiver070215_24	TC2PR	1238326.783	2387014.797	02-07-2015 09:49:35	0.000000	0.000000	0.320258	789.4	33.7	0	-0.013	1.331
PineRiver070215_25	TC2PR	1238539.378	2386927.89	02-07-2015 09:54:09	0.000000	0.000000	0.896691	789.3	34.1	0	-0.009	3.732
PineRiver070215_26	TC2PR	1237995.621	2389449.051	02-07-2015 10:09:05	0.000000	0.000000	0.798581	789.0	35.4	-0.095	-0.01	3.339
PineRiver070215_27	TC2PR	1238051.137	2389458.771	02-07-2015 10:11:17	0.000000	0.000000	1.311462	788.6	35.5	0	-0.001	5.488
PineRiver070215_28	TC2PR	1238102.665	2389445.658	02-07-2015 10:13:35	0.000000	0.000000	0.652597	788.5	35.7	0	-0.02	2.733
PineRiver070215_29	TC2PR	1238094.966	2389507.969	02-07-2015 10:15:47	0.000000	0.002623	0.858332	788.3	36.0	0	0.011	3.599
PineRiver070215_30	TC2PR	1238105.818	2389560.24	02-07-2015 10:18:24	0.000000	0.000000	0.493833	788.3	36.5	0	-0.013	2.074
PineRiver070215_31	TC2PR	1238047.413	2389560.01	02-07-2015 10:20:44	0.000000	0.000000	1.102321	788.3	37.0	-0.176	-0.012	4.637
PineRiver070215_32	TC2PR	1237998.011	2389555.23	02-07-2015 10:23:00	0.000000	0.000000	1.158457	788.3	37.5	0	-0.015	4.881
PineRiver070215_33	TC2PR	1238000.106	2389511.85	02-07-2015 10:25:23	0.000000	0.000000	1.227447	788.3	38.0	0	-0.018	5.18
PineRiver070215_34	TC2PR	1238059.672	2389502.567	02-07-2015 10:28:59	0.067596	0.010163	0.723471	788.3	38.8	0.286	0.043	3.061
PineRiver070215_35	TC2PR	1238543.794	2389509.643	02-07-2015 10:34:38	0.000000	0.000000	0.503008	788.2	39.9	-0.019	-0.019	2.136
PineRiver070215_36	TC2PR	1238549.965	2389460.85	02-07-2015 10:36:41	0.000000	0.000000	0.627682	793.5	40.3	0	-0.013	2.651
PineRiver070215_37	TC2PR	1238555.372	2389416.468	02-07-2015 10:38:53	0.000000	0.000000	0.150723	787.8	40.7	0	-0.001	0.642
PineRiver070215_38	TC2PR	1238600.577	2389457.818	02-07-2015 10:41:20	0.000000	0.000000	0.465280	787.8	41.2	0	-0.034	1.985
PineRiver070215_39	TC2PR	1238615.235	2389462.556	02-07-2015 10:44:00	0.000000	0.000000	0.204629	787.9	41.6	-0.424	-0.02	0.874
PineRiver070215_40	TC2PR	1238607.806	2389481.501	02-07-2015 10:46:20	0.000000	0.000000	0.580606	787.9	42.0	0	-0.011	2.483
PineRiver070215_41	TC2PR	1238600.084	2389511.44	02-07-2015 10:48:42	0.000000	0.000000	0.469323	787.9	42.3	0	-0.013	2.009
PineRiver070215_42	TC2PR	1238653.271	2389512.379	02-07-2015 10:50:48	0.000000	0.000000	0.266057	793.2	42.5	-0.068	-0.016	1.132
PineRiver070215_43	TC2PR	1238652.143	2389451.378	02-07-2015 10:53:04	0.000000	0.000000	0.138804	787.8	42.7	0	-0.014	0.595
PineRiver070215_44	TC2PR	1238646.543	2389406.744	02-07-2015 10:55:14	0.000000	0.000000	0.206300	787.7	42.9	-0.173	-0.015	0.885
PineRiver070215_45	TC2PR	1238612.307	2389406.928	02-07-2015 10:57:46	0.000000	0.000000	0.327117	787.8	43.1	-0.208	-0.018	1.404
PineRiver070215_46	TC2PR	1238387.815	2389158.9	02-07-2015 11:01:00	0.000000	0.000000	0.470723	787.8	43.2	-0.068	-0.056	2.021
PineRiver070215_47	TC2PR	1238178.199	2389189.731	02-07-2015 11:03:46	0.000000	0.000000	0.508295	787.8	43.3	0	-0.035	2.183

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver070215_48	TC2PR	1238127.667	2388986.272	02-07-2015 11:06:31	0.000000	0.000000	0.688633	787.9	43.5	0	-0.055	2.959
PineRiver070215_49	TC2PR	1238353.822	2388939.484	02-07-2015 11:09:22	0.000000	0.000000	0.526923	788.2	43.6	0	-0.067	2.264
PineRiver070215_50	TC2PR	1238343.733	2388742.701	02-07-2015 11:12:10	0.000000	0.000000	0.407580	787.9	43.8	0	-0.03	1.753
PineRiver070215_51	TC2PR	1238162.367	2388746.374	02-07-2015 11:15:03	0.000000	0.000000	0.559286	787.9	44.0	0	-0.039	2.407
PineRiver070215_52	TC2PR	1238163.326	2388545.279	02-07-2015 11:17:47	0.000000	0.000000	0.393084	787.8	44.2	0	-0.016	1.693
PineRiver070215_53	TC2PR	1238373.589	2388517.684	02-07-2015 11:20:33	0.000000	0.000000	0.638330	787.8	44.4	0	-0.013	2.751
PineRiver070215_54	TC2PR	1238568.49	2388368.001	02-07-2015 11:23:22	0.000000	0.000000	0.506215	787.8	44.6	0	-0.034	2.183
PineRiver070215_55	TC2PR	1238548.958	2388158.352	02-07-2015 11:26:11	0.000000	0.000000	0.557576	787.8	44.8	-0.074	-0.044	2.406
PineRiver070215_56	TC2PR	1238358.163	2388172.668	02-07-2015 11:29:28	0.000000	0.000000	0.247363	788.1	45.1	0	0	1.068
PineRiver070215_57	TC2PR	1238340.454	2388363.137	02-07-2015 11:32:14	0.000000	0.000000	0.547052	787.9	45.3	0	-0.051	2.364
PineRiver070215_58	TC2PR	1238231.641	2388271.481	02-07-2015 11:35:55	0.296868	0.011098	1.338679	787.7	45.5	1.284	0.048	5.79
PineRiver070215_59	TC2PR	1238196.545	2388306.886	02-07-2015 11:38:18	0.120151	0.014788	0.984317	787.7	45.7	0.52	0.064	4.26
PineRiver070215_60	TC2PR	1238128.547	2388357.638	02-07-2015 11:40:37	0.000000	0.000000	0.572440	787.7	45.9	-0.32	-0.022	2.479
PineRiver070215_61	TC2PR	1238154.518	2388160.193	02-07-2015 11:43:14	0.000000	0.000000	0.692774	787.7	46.1	0	-0.018	3.002
PineRiver070215_62	TC2PR	1238167.941	2387973.728	02-07-2015 11:47:11	0.000000	0.000000	3.140608	787.8	46.3	0	-0.015	13.616
PineRiver070215_63	TC2PR	1238338.332	2387907.892	02-07-2015 11:50:54	0.000000	0.000000	2.021894	788.1	46.5	0	-0.057	8.768
PineRiver070215_64	TC2PR	1238560.523	2387921.359	02-07-2015 11:54:52	0.000000	0.000000	0.555052	788.1	46.5	0	-0.02	2.407
PineRiver070215_65	TC2PR	1238549.864	2387792.245	02-07-2015 11:59:28	0.000000	0.000000	0.592996	787.9	46.6	0	-0.009	2.573
PineRiver070215_66	TC2PR	1238365.701	2387761.33	02-07-2015 12:02:21	0.000000	0.000000	0.651452	787.8	46.6	0	-0.012	2.827
PineRiver070215_67	TC2PR	1238173.433	2387780.582	02-07-2015 12:05:46	0.000000	0.000000	0.070953	787.8	46.7	0	-0.025	0.308
PineRiver070215_68	TC2PR	1237976.469	2387748.757	02-07-2015 12:10:00	0.000000	0.000000	1.903851	787.8	46.8	0	-0.058	8.267
PineRiver070215_69	TC2PR	1237978.155	2387552.755	02-07-2015 12:12:56	0.000000	0.000000	0.183119	787.7	46.7	-0.258	-0.065	0.795
PineRiver070215_70	TC2PR	1238039.985	2387501.209	02-07-2015 12:15:13	0.000000	0.000000	0.130198	787.8	46.6	0	-0.039	0.565
PineRiver070215_71	TC2PR	1238107.924	2387554.588	02-07-2015 12:18:39	0.000000	0.000000	0.157531	787.6	46.7	0	-0.031	0.684
PineRiver070215_72	TC2PR	1238343.374	2387588.658	02-07-2015 12:22:51	0.000000	0.000000	0.178203	787.6	46.8	0	-0.087	0.774
PineRiver070215_73	TC2PR	1238578.449	2387653.489	02-07-2015 12:26:29	0.000000	0.000000	1.062806	787.7	46.9	-0.08	-0.074	4.617

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTexasCreek070615_195	TC2PR	1242561.529215	2376756.586079	06-07-2015 09:04:26	0.000000	0.000000	0.353451	776.0	24.6	-0.075	-0.019	1.45
SFTexasCreek070615_196	TC2PR	1242560.424112	2376579.490016	06-07-2015 09:10:35	0.000000	0.000000	0.607797	776.2	25.7	0	0	2.502
SFTexasCreek070615_197	TC2PR	1242548.214521	2376370.250663	06-07-2015 09:15:05	0.016690	0.000000	0.672435	775.2	26.6	0.069	-0.001	2.78
SFTexasCreek070615_198	TC2PR	1242737.2787	2376323.930529	06-07-2015 09:18:47	0.000000	0.002650	0.184035	773.8	27.3	0	0.011	0.764
SFTexasCreek070615_199	TC2PR	1242957.351098	2376321.6452	06-07-2015 09:22:31	0.000000	0.000000	0.170697	772.5	27.8	0	-0.012	0.711
SFTexasCreek070615_200	TC2PR	1243151.629797	2376304.263484	06-07-2015 09:26:16	0.000000	0.000000	0.469268	773.5	28.4	0	-0.002	1.956
SFTexasCreek070615_201	TC2PR	1243129.805389	2376149.729438	06-07-2015 09:30:17	0.000000	0.000000	0.237329	773.4	28.9	0	-0.007	0.991
SFTexasCreek070615_202	TC2PR	1243343.570797	2376141.187021	06-07-2015 09:35:10	0.000000	0.000000	0.830972	771.6	29.6	0	0	3.486
SFTexasCreek070615_203	TC2PR	1243560.141578	2376128.897795	06-07-2015 09:40:26	0.000000	0.002854	0.551586	771.7	30.3	0	0.012	2.319
SFTexasCreek070615_204	TC2PR	1243582.82443	2376010.674137	06-07-2015 09:44:55	0.000000	0.000000	0.166829	773.4	30.8	0	-0.009	0.701
SFTexasCreek070615_205	TC2PR	1243306.636484	2375987.293729	06-07-2015 09:51:22	0.000000	0.004732	0.268519	770.6	31.5	-1.278	0.02	1.135
SFTexasCreek070615_206	TC2PR	1243124.54407	2375967.255534	06-07-2015 09:55:02	0.000000	0.002601	0.223184	771.1	31.9	0	0.011	0.944
SFTexasCreek070615_207	TC2PR	1242967.851169	2375999.901535	06-07-2015 09:58:24	0.000000	0.000000	0.647753	772.9	32.3	0	-0.01	2.737
SFTexasCreek070615_208	TC2PR	1242951.494951	2376141.754209	06-07-2015 10:01:23	0.000000	0.005212	0.187157	774.2	32.5	0	0.022	0.79
SFTexasCreek070615_209	TC2PR	1242754.088236	2376197.359911	06-07-2015 10:05:16	0.000000	0.000000	0.362543	773.6	32.8	0	-0.028	1.533
SFTexasCreek070615_210	TC2PR	1242553.02196	2376165.886865	06-07-2015 10:09:47	0.000000	0.000000	0.949381	772.9	33.1	0	-0.014	4.022
SFTexasCreek070615_211	TC2PR	1242557.172145	2375952.115311	06-07-2015 10:13:50	0.000000	0.000000	0.442993	775.1	33.2	0	-0.015	1.872
SFTexasCreek070615_212	TC2PR	1242764.932425	2375927.737286	06-07-2015 10:17:51	0.000000	0.000000	0.363642	776.2	33.3	0	-0.002	1.535
SFTexasCreek070615_213	TC2PR	1242742.130183	2375781.11056	06-07-2015 10:20:58	0.000000	0.000000	1.287461	775.4	33.4	0	-0.007	5.442
SFTexasCreek070615_214	TC2PR	1242943.026089	2375762.848458	06-07-2015 10:24:28	0.000000	0.000000	0.494088	776.2	33.5	0	-0.018	2.087
SFTexasCreek070615_215	TC2PR	1242720.346147	2375531.566207	06-07-2015 10:28:45	0.000000	0.000000	0.570844	776.2	33.6	0	-0.014	2.412
SFTexasCreek070615_216	TC2PR	1242739.598454	2375311.286638	06-07-2015 10:32:20	0.000000	0.000000	0.598323	780.5	33.7	0	0	2.515
SFTexasCreek070615_217	TC2PR	1242578.883363	2375350.016614	06-07-2015 10:35:34	0.000000	0.000000	0.680735	778.4	33.9	0	-0.002	2.871
SFTexasCreek070615_218	TC2PR	1242432.342859	2375317.09475	06-07-2015 10:38:25	0.000000	0.000000	0.205426	778.1	34.0	0	-0.006	0.867
SFTexasCreek070615_219	TC2PR	1242530.68601	2375535.237096	06-07-2015 10:41:49	0.000000	0.000000	0.353443	778.2	34.1	0	-0.007	1.492
SFTexasCreek070615_220	TC2PR	1242563.980011	2375774.220583	06-07-2015 10:47:12	8.283787	0.000000	0.243919	778.2	34.2	34.98	-0.017	1.03

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTexasCreek070615_221	TC2PR	1242373.772892	2375540.192059	06-07-2015 10:51:05	0.000000	0.000000	0.406379	776.2	34.3	0	-0.001	1.721
SFTexasCreek070615_222	TC2PR	1242413.080203	2375759.351907	06-07-2015 10:55:11	0.000000	0.000000	0.372591	776.9	34.4	0	0	1.577
SFTexasCreek070615_223	TC2PR	1242416.102541	2375926.305015	06-07-2015 10:59:01	0.000000	0.000000	0.323690	776.6	34.5	0	0	1.371
SFTexasCreek070615_224	TC2PR	1242774.070816	2376520.754272	06-07-2015 11:07:18	0.000000	0.000000	0.222193	776.3	35.0	0	-0.01	0.943
SFTexasCreek070615_225	TC2PR	1242969.366494	2376579.282907	06-07-2015 11:11:47	0.000000	0.000470	0.392360	775.5	35.2	0	0.002	1.668
SFTexasCreek070615_226	TC2PR	1242984.591323	2376726.139245	06-07-2015 11:14:39	0.000000	0.000000	0.796658	777.3	35.3	0	-0.006	3.38
SFTexasCreek070615_227	TC2PR	1242730.987776	2376790.846846	06-07-2015 11:18:25	0.000000	0.000000	9.778770	777.3	35.6	0	-0.005	41.529
SFTexasCreek070615_228	TC2PR	1242517.372153	2376859.361649	06-07-2015 11:22:46	0.000000	0.000000	0.334253	776.7	35.9	0	-0.001	1.422
SFTexasCreek070615_229	TC2PR	1242381.015315	2376801.938821	06-07-2015 11:26:21	0.000000	0.000000	0.240420	776.3	36.1	-0.406	-0.007	1.024
SFTexasCreek070615_230	TC2PR	1242376.612835	2376964.680876	06-07-2015 11:29:42	0.000000	0.009148	1.785571	776.1	36.3	0	0.039	7.612
SFTexasCreek070615_231	TC2PR	1242197.913969	2377023.049502	06-07-2015 11:32:21	0.000000	0.000000	1.450274	775.8	36.4	0	-0.009	6.187
SFTexasCreek070615_232	TC2PR	1242185.739541	2376803.94629	06-07-2015 11:35:59	0.000000	0.000000	1.462303	775.1	36.7	0	-0.009	6.25
SFTexasCreek070615_233	TC2PR	1242178.729978	2377158.820578	06-07-2015 11:39:06	0.000000	0.000000	0.261859	775.3	37.0	0	-0.002	1.12
SFTexasCreek070615_234	TC2PR	1242160.202351	2377339.440477	06-07-2015 11:42:01	0.000000	0.000000	0.228816	775.0	37.3	-0.588	-0.014	0.98
SFTexasCreek070615_235	TC2PR	1242150.610326	2377565.421897	06-07-2015 11:45:29	0.000000	0.000000	3.547263	774.2	37.6	0	-0.016	15.223
SFTexasCreek070615_236	TC2PR	1242333.991089	2377594.129237	06-07-2015 11:49:05	0.000000	0.000000	0.309763	773.4	37.9	0	-0.005	1.332
SFTexasCreek070615_237	TC2PR	1242150.044774	2377716.907821	06-07-2015 11:54:41	0.000000	0.000000	0.109061	772.2	38.1	0	-0.002	0.47
SFTexasCreek070615_238	TC2PR	1242149.453632	2377977.04257	06-07-2015 11:58:54	0.000000	0.000000	0.166694	772.6	38.1	0	-0.002	0.718
SFTexasCreek070615_239	TC2PR	1242129.896262	2378171.919904	06-07-2015 12:03:12	0.000000	0.000000	0.554993	771.4	38.2	0	-0.001	2.395
SFTexasCreek070615_240	TC2PR	1242123.275527	2378356.096018	06-07-2015 12:08:26	0.000000	0.000000	0.255830	770.5	38.4	0	-0.005	1.106
SFTexasCreek070615_241	TC2PR	1242115.375134	2378620.882294	06-07-2015 12:13:21	0.000000	0.000000	4.802537	769.3	38.6	0	-0.006	20.808
SFTexasCreek070615_242	TC2PR	1242114.738593	2378738.882058	06-07-2015 12:16:45	0.000000	0.000000	0.172866	768.5	38.7	0	-0.003	0.75
SFTexasCreek070615_243	TC2PR	1242357.534749	2378789.094398	06-07-2015 12:21:19	0.000000	0.000000	0.139716	767.7	38.8	0	-0.001	0.607
SFTexasCreek070615_244	TC2PR	1242562.253839	2378773.709706	06-07-2015 12:24:47	0.000000	0.000000	0.334111	765.6	38.9	0	-0.009	1.456
SFTexasCreek070615_245	TC2PR	1242781.721399	2378761.028587	06-07-2015 12:28:52	0.000000	0.000000	0.153547	765.1	39.1	0	-0.007	0.67
SFTexasCreek070615_246	TC2PR	1242748.379237	2378583.216707	06-07-2015 12:33:30	0.000000	0.007088	0.190241	764.1	39.4	-0.199	0.031	0.832

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTexasCreek070615_247	TC2PR	1242790.920075	2378407.412976	06-07-2015 12:38:07	0.000000	0.000000	0.276821	765.1	39.9	0	0	1.211
SFTexasCreek070615_248	TC2PR	1242611.0179	2378390.736492	06-07-2015 12:43:05	0.000000	0.000000	0.588711	766.2	40.3	-10.624	-0.06	2.575
SFTexasCreek070615_249	TC2PR	1242587.779741	2378569.229841	06-07-2015 12:47:26	0.000000	0.000000	0.349460	767.7	40.6	-0.439	-0.003	1.527
SFTexasCreek070615_250	TC2PR	1242380.505214	2378518.726034	06-07-2015 12:52:25	0.000000	0.000000	0.397503	766.0	41.0	0	0	1.743
SFTexasCreek070615_251	TC2PR	1242396.256233	2378371.802523	06-07-2015 12:56:09	0.000000	0.000000	0.764315	766.6	41.3	0	-0.009	3.352
SFTexasCreek070615_252	TC2PR	1242383.380718	2378205.015228	06-07-2015 13:00:02	0.000000	0.000000	0.355122	767.3	41.5	0	-0.04	1.557
SFTexasCreek070615_253	TC2PR	1242415.060262	2378012.931712	06-07-2015 13:04:17	0.000000	0.000000	0.394569	769.1	41.7	0	-0.021	1.727
SFTexasCreek070615_254	TC2PR	1242423.727797	2377796.911661	06-07-2015 13:09:06	0.000000	0.000000	0.675468	771.0	42.0	0	-0.031	2.952
SFTexasCreek070615_255	TC2PR	1242527.374801	2377777.856837	06-07-2015 13:12:40	0.000000	0.000000	0.819232	772.2	42.2	0	-0.047	3.577
SFTexasCreek070615_256	TC2PR	1242438.281524	2377720.680877	06-07-2015 13:16:03	3.494608	0.005946	1.540326	771.6	42.4	15.28	0.026	6.735
SFTexasCreek070615_257	TC2PR	1242504.264215	2377643.420102	06-07-2015 13:18:44	12.877260	0.011212	0.809806	772.0	42.4	56.276	0.049	3.539
SFTexasCreek070615_258	TC2PR	1242547.777948	2377593.217988	06-07-2015 13:21:13	0.000000	0.000000	0.593303	771.9	42.5	0	-0.019	2.594
SFTexasCreek070615_259	TC2PR	1242550.266744	2377918.428425	06-07-2015 13:25:25	0.000000	0.000000	0.468372	771.8	42.8	-10.86	-0.063	2.05
SFTexasCreek070615_260	TC2PR	1242615.736832	2378167.715545	06-07-2015 13:31:17	0.000000	0.000000	0.201499	770.1	43.2	-0.495	-0.078	0.885
SFTexasCreek070615_261	TC2PR	1242774.168189	2378207.909093	06-07-2015 13:34:50	0.000000	0.000000	0.600001	769.2	43.4	0	-0.006	2.64
SFTexasCreek070615_262	TC2PR	1242950.474229	2378137.865433	06-07-2015 13:41:59	0.000000	0.000000	2.331346	765.5	43.6	0	-0.011	10.314
SFTexasCreek070615_263	TC2PR	1243130.263552	2378009.796651	06-07-2015 13:47:15	0.000000	0.000000	0.523483	765.6	44.2	0	-0.069	2.32
SFTexasCreek070615_264	TC2PR	1243208.203802	2377773.857172	06-07-2015 13:51:27	0.000000	0.000000	0.550216	763.2	44.7	0	-0.11	2.45
SFTexasCreek070615_265	TC2PR	1243151.602956	2377529.873356	06-07-2015 13:56:46	0.000000	0.000000	0.500185	764.1	44.9	0	-0.02	2.226
SFTexasCreek070615_266	TC2PR	1243155.591287	2377361.447527	06-07-2015 14:00:54	0.000000	0.000000	0.273004	766.6	44.9	0	-0.033	1.211
SFTexasCreek070615_267	TC2PR	1243067.002316	2377232.497923	06-07-2015 14:04:34	0.000000	0.000000	0.018343	769.6	44.7	0	-0.05	0.081
SFTexasCreek070615_268	TC2PR	1243008.634305	2377235.445969	06-07-2015 14:07:14	1.435196	0.000000	0.716917	771.0	44.5	6.322	-0.062	3.158
SFTexasCreek070615_269	TC2PR	1243078.549931	2377174.540224	06-07-2015 14:09:46	0.000000	0.000000	2.623832	771.2	44.2	0	-0.053	11.544
SFTexasCreek070615_270	TC2PR	1243003.537109	2377195.803806	06-07-2015 14:12:42	0.000000	0.000000	0.322913	771.1	44.0	-2.792	0	1.42
SFTexasCreek070615_271	TC2PR	1243026.139893	2377075.384934	06-07-2015 14:15:30	0.000000	0.000000	0.088345	771.6	43.8	0	-0.035	0.388
SFTexasCreek070615_272	TC2PR	1242950.692	2376913.595311	06-07-2015 14:18:52	0.000000	0.000000	0.148894	772.2	43.6	0	-0.038	0.653

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
SFTexasCreek070615_273	TC2PR	1242817.424134	2376903.124483	06-07-2015 14:21:49	1.913095	0.010984	0.986983	774.5	43.4	8.36	0.048	4.313
SFTexasCreek070615_274	TC2PR	1242750.07753	2376955.295452	06-07-2015 14:24:22	0.000000	0.000000	0.356391	774.7	43.2	0	-0.045	1.556
SFTexasCreek070615_275	TC2PR	1242827.658406	2377015.677317	06-07-2015 14:27:14	0.000000	0.000000	1.054450	774.5	43.0	0	-0.07	4.602
SFTexasCreek070615_276	TC2PR	1242866.265131	2377068.593347	06-07-2015 14:29:44	9.284640	0.000000	3.049002	773.6	42.8	40.543	-0.018	13.314
SFTexasCreek070615_277	TC2PR	1242899.846785	2377162.832824	06-07-2015 14:33:04	0.000000	0.000000	1.246194	773.6	42.7	-450.446	-0.077	5.44
SFTexasCreek070615_278	TC2PR	1242817.220506	2377203.270723	06-07-2015 14:35:57	0.000000	0.000000	1.250960	772.3	42.7	0	-0.04	5.47
SFTexasCreek070615_279	TC2PR	1242729.228076	2377169.531806	06-07-2015 14:39:07	0.000000	0.000000	0.280639	772.0	42.8	0	-0.028	1.228
SFTexasCreek070615_280	TC2PR	1242918.186611	2377257.288282	06-07-2015 14:42:46	0.000000	0.000000	0.171425	772.6	43.0	0	-0.018	0.75
SFTexasCreek070615_281	TC2PR	1242944.353416	2377379.604579	06-07-2015 14:46:06	0.000000	0.000000	0.171459	770.7	43.0	0	-0.023	0.752
SFTexasCreek070615_282	TC2PR	1242963.676677	2377562.680746	06-07-2015 14:50:00	0.000000	0.000000	0.735481	769.2	42.9	0	-0.02	3.231
SFTexasCreek070615_283	TC2PR	1242942.838468	2377777.538006	06-07-2015 14:56:00	0.000000	0.000000	0.476654	767.6	42.7	0	-0.016	2.097
SFTexasCreek070615_284	TC2PR	1242947.051445	2377928.05892	06-07-2015 14:59:24	0.000000	0.000000	0.456454	766.4	42.5	0	-0.005	2.01
SFTexasCreek070615_285	TC2PR	1242791.133885	2377978.094138	06-07-2015 15:03:35	0.000000	0.000000	0.324571	766.0	42.5	0	-0.033	1.43
SFTexasCreek070615_286	TC2PR	1242754.229709	2377803.120044	06-07-2015 15:07:25	0.000000	0.000000	0.415851	767.5	42.4	0	-0.069	1.828
SFTexasCreek070615_287	TC2PR	1242761.30686	2377608.804734	06-07-2015 15:11:31	0.000000	0.000000	0.338329	769.2	42.2	0	-0.016	1.483
SFTexasCreek070615_288	TC2PR	1242789.290474	2377374.518259	06-07-2015 15:16:13	0.000000	0.000000	0.195689	770.3	42.0	0	-0.054	0.856
SFTexasCreek070615_289	TC2PR	1242582.714689	2377396.735058	06-07-2015 15:19:32	0.000000	0.000000	1.298507	771.2	41.7	0	-0.064	5.668
SFTexasCreek070615_290	TC2PR	1242556.579209	2377350.456174	06-07-2015 15:22:03	4.703854	0.000000	2.731833	772.7	41.4	20.473	-0.016	11.89
SFTexasCreek070615_291	TC2PR	1242341.393549	2377354.190202	06-07-2015 15:29:30	0.000000	0.000000	0.339312	772.7	40.8	0	-0.026	1.474
SFTexasCreek070615_292	TC2PR	1242345.248791	2377177.259096	06-07-2015 15:32:55	0.000000	0.000000	0.377950	774.0	40.4	0	-0.073	1.637
SFTexasCreek070615_293	TC2PR	1242440.592285	2377159.720262	06-07-2015 15:35:19	0.000000	0.000000	1.700796	774.9	40.1	0	-0.03	7.351
SFTexasCreek070615_294	TC2PR	1242546.617284	2377138.04996	06-07-2015 15:38:16	0.000000	0.000000	1.125414	774.5	39.8	0	-0.033	4.862
SFTexasCreek070615_295	TC2PR	1242518.729281	2376981.440496	06-07-2015 15:42:20	2.421046	0.000000	5.981694	774.5	39.4	10.446	-0.025	25.809
PineRiver070815_100	TC2PR	1241534.01	2380152.27	08-07-2015 09:40:15	0.000000	0.000000	0.279627	768.0	29.2	0	-0.008	1.177
PineRiver070815_101	TC2PR	1241710.56	2380137.252	08-07-2015 09:44:38	0.000000	0.000000	5.592391	767.4	29.1	0	-0.011	23.55
PineRiver070815_102	TC2PR	1241761.945	2380330.906	08-07-2015 09:51:42	0.000000	0.000000	0.476487	766.2	29.0	0	-0.01	2.009

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver070815_103	TC2PR	1241942.179	2380356.767	08-07-2015 09:58:31	0.000000	0.002842	0.183810	764.7	28.8	0	0.012	0.776
PineRiver070815_104	TC2PR	1241969.912	2380233.668	08-07-2015 10:01:59	0.000000	0.003076	0.323269	763.5	28.6	0	0.013	1.366
PineRiver070815_105	TC2PR	1242007.601	2380005.09	08-07-2015 10:07:13	0.000000	0.000000	0.245631	763.2	28.5	0	-0.001	1.038
PineRiver070815_106	TC2PR	1241811.594	2379967.823	08-07-2015 10:11:52	0.000000	0.000000	0.191293	764.5	28.5	0	-0.012	0.807
PineRiver070815_107	TC2PR	1241586.4	2380004.17	08-07-2015 10:16:43	0.000000	0.000000	0.534949	766.8	28.5	0	-0.01	2.25
PineRiver070815_108	TC2PR	1241555.929	2379757.317	08-07-2015 10:21:07	0.000000	0.000000	0.187460	769.2	28.5	0	-0.009	0.786
PineRiver070815_109	TC2PR	1241711.446	2379732.856	08-07-2015 10:26:21	0.000000	0.000000	0.352076	769.3	28.7	0	-0.012	1.477
PineRiver070815_110	TC2PR	1241932.885	2379760.739	08-07-2015 10:33:46	0.000000	0.000000	6.230924	768.1	29.1	0	-0.008	26.215
PineRiver070815_111	TC2PR	1242164.708	2379759.935	08-07-2015 10:40:26	0.000000	0.000000	0.638440	766.6	29.4	0	-0.007	2.694
PineRiver070815_112	TC2PR	1242188.176	2379630.592	08-07-2015 10:44:05	0.000000	0.000000	0.276550	764.2	29.5	0	-0.013	1.171
PineRiver070815_113	TC2PR	1242346.532	2379574.841	08-07-2015 10:50:11	0.000000	0.000000	0.758712	764.6	29.6	0	-0.001	3.212
PineRiver070815_114	TC2PR	1242288.254	2379710.838	08-07-2015 10:53:55	0.000000	0.000000	1.285850	762.7	29.7	-1.486	0	5.459
PineRiver070815_115	TC2PR	1242168.639	2379917.177	08-07-2015 11:01:20	0.000000	0.000000	0.352220	763.1	30.4	0	-0.009	1.498
PineRiver070815_116	TC2PR	1242370.008	2380063.886	08-07-2015 11:08:04	0.000000	0.000000	0.369327	763.5	30.8	-2.004	-0.005	1.572
PineRiver070815_117	TC2PR	1242547.547	2379769.752	08-07-2015 11:15:34	0.000000	0.000000	0.569130	761.0	31.0	0	-0.011	2.432
PineRiver070815_118	TC2PR	1242569.459	2379635.528	08-07-2015 11:23:02	0.000000	0.000000	0.803552	759.2	31.1	0	-0.007	3.443
PineRiver070815_119	TC2PR	1242732.756	2379581.168	08-07-2015 11:27:36	0.000000	0.000000	0.373334	759.3	31.4	0	-0.008	1.601
PineRiver070815_120	TC2PR	1242772.538	2379381.023	08-07-2015 11:31:17	0.000000	0.000000	1.935711	757.5	31.7	0	-0.007	8.329
PineRiver070815_121	TC2PR	1242590.129	2379400.112	08-07-2015 11:36:32	0.000000	0.000000	0.454089	758.3	32.2	0	-0.013	1.955
PineRiver070815_122	TC2PR	1242630.563	2379204.526	08-07-2015 11:40:35	0.000000	0.000000	0.355845	760.3	32.4	0	-0.008	1.529
PineRiver070815_123	TC2PR	1242745.29	2379208.71	08-07-2015 11:44:56	0.000000	0.000000	0.434571	760.5	32.6	0	-0.011	1.868
PineRiver070815_124	TC2PR	1242718.521	2378906.206	08-07-2015 11:51:07	0.000000	0.000000	0.342034	759.3	32.9	-0.025	-0.007	1.474
PineRiver070815_125	TC2PR	1242549.82	2378968.46	08-07-2015 11:54:20	0.000000	0.000000	0.493128	761.5	32.9	-0.114	-0.005	2.119
PineRiver070815_126	TC2PR	1242381.065	2378948.998	08-07-2015 11:57:17	0.000000	0.000000	0.429425	762.6	32.8	-0.038	-0.011	1.842
PineRiver070815_127	TC2PR	1242195.985	2378999.843	08-07-2015 12:00:50	0.000000	0.000000	0.537694	763.4	32.8	0	-0.015	2.304
PineRiver070815_128	TC2PR	1242035.151	2378956.739	08-07-2015 12:03:59	0.000000	0.000000	0.821527	764.5	32.7	0	-0.019	3.514

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver070815_129	TC2PR	1242133.081	2379167.679	08-07-2015 12:08:43	0.000000	0.000000	0.706270	765.0	32.9	0	-0.004	3.021
PineRiver070815_130	TC2PR	1242366.118	2379125.872	08-07-2015 12:11:58	0.000000	0.000000	0.479294	765.3	33.0	0	-0.004	2.05
PineRiver070815_131	TC2PR	1242329.694	2379371.137	08-07-2015 12:15:30	0.000000	0.000000	0.741812	763.6	33.3	0	-0.007	3.183
PineRiver070815_132	TC2PR	1242192.985	2379374.55	08-07-2015 12:19:14	0.000000	0.000000	3.776337	763.8	33.5	0	-0.002	16.21
PineRiver070815_133	TC2PR	1241969.909	2379173.277	08-07-2015 12:23:41	0.000000	0.000000	0.513158	765.5	33.8	0	-0.027	2.2
PineRiver070815_134	TC2PR	1241971.891	2379513.337	08-07-2015 12:27:56	0.000000	0.000000	1.077963	766.4	34.0	0	-0.003	4.619
PineRiver070815_135	TC2PR	1241377.842	2379940.163	08-07-2015 12:34:46	0.000000	0.000000	0.533989	766.6	34.2	0	-0.004	2.289
PineRiver070815_136	TC2PR	1241343.154	2380093.558	08-07-2015 12:37:45	0.000000	0.000000	0.152278	769.6	34.1	0	-0.01	0.65
PineRiver070815_137	TC2PR	1241346.756	2380353.43	08-07-2015 12:44:07	0.000000	0.000000	0.299072	768.4	34.2	0	-0.021	1.279
PineRiver070815_138	TC2PR	1241172.284	2380444.904	08-07-2015 12:47:19	0.000000	0.000702	0.275113	768.5	34.1	0	0.003	1.176
PineRiver070815_139	TC2PR	1241165.38	2380568.235	08-07-2015 12:50:21	0.000000	0.000000	0.396263	769.1	34.0	0	-0.019	1.692
PineRiver070815_140	TC2PR	1241185.445	2380741.773	08-07-2015 12:53:59	0.000000	0.000000	0.441318	774.6	34.0	0	-0.021	1.871
PineRiver070815_141	TC2PR	1240774.495	2381157.484	08-07-2015 12:59:51	0.000000	0.000000	0.322232	769.6	34.0	0	-0.01	1.375
PineRiver070815_142	TC2PR	1240949.919	2381202.462	08-07-2015 13:04:02	0.000000	0.000000	4.458123	776.8	34.0	0	-0.009	18.847
PineRiver070815_143	TC2PR	1240958.83	2381377.974	08-07-2015 13:08:19	0.580277	0.020026	2.086689	774.2	34.2	2.463	0.085	8.857
PineRiver070815_144	TC2PR	1240747.394	2381370.035	08-07-2015 13:13:13	0.000000	0.022966	0.599934	771.1	34.6	0	0.098	2.56
PineRiver070815_145	TC2PR	1240583.927	2381345.161	08-07-2015 13:17:10	0.000000	0.000000	0.565898	776.6	34.9	-1.349	-0.066	2.4
PineRiver070815_146	TC2PR	1240477.823	2381204.556	08-07-2015 13:21:31	0.000000	0.000000	0.622597	773.1	35.2	0	-0.098	2.655
PineRiver070815_147	TC2PR	1240387.942	2381368.837	08-07-2015 13:25:15	0.000000	0.000000	0.452145	773.5	35.5	-0.458	-0.026	1.929
PineRiver070815_74	TC2PR	1240331.677	2381554.815	08-07-2015 07:31:08	0.000000	0.000000	1.105976	774.0	21.4	0	-0.005	4.5
PineRiver070815_75	TC2PR	1240537.655	2381615.814	08-07-2015 07:36:11	0.000000	0.000000	0.106585	774.0	22.3	0	-0.01	0.435
PineRiver070815_76	TC2PR	1240658.575	2381592.519	08-07-2015 07:38:53	0.000000	0.000000	1.495039	774.0	22.9	0	-0.008	6.114
PineRiver070815_77	TC2PR	1240784.866	2381579.367	08-07-2015 07:43:42	54.681930	0.000000	9.568564	773.8	23.8	224.361	-0.004	39.26
PineRiver070815_78	TC2PR	1240951.623	2381600.308	08-07-2015 07:47:58	1.109458	0.002428	0.377104	772.5	24.4	4.569	0.01	1.553
PineRiver070815_79	TC2PR	1241166.644	2381560.32	08-07-2015 07:53:14	0.090380	0.000000	0.811726	770.6	25.1	0.374	-0.003	3.359
PineRiver070815_80	TC2PR	1241129.354	2381414.09	08-07-2015 07:56:27	0.000000	0.000000	1.864615	768.6	25.6	-0.89	-0.004	7.749

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver070815_81	TC2PR	1241227.645	2381408.492	08-07-2015 08:00:25	1.207609	0.000000	1.924439	768.6	26.1	5.027	-0.003	8.011
PineRiver070815_82	TC2PR	1241329.351	2381548.063	08-07-2015 08:04:59	0.000000	0.006940	0.474778	767.7	26.9	0	0.029	1.984
PineRiver070815_83	TC2PR	1241378.398	2381407.095	08-07-2015 08:08:42	0.000000	0.000000	0.040847	767.6	27.4	0	-0.006	0.171
PineRiver070815_84	TC2PR	1241334.019	2381183.856	08-07-2015 08:15:34	0.000000	0.002861	0.258950	768.0	28.1	0	0.012	1.086
PineRiver070815_85	TC2PR	1241135.231	2381191.471	08-07-2015 08:21:42	0.000000	0.002860	0.433077	768.2	28.3	0	0.012	1.817
PineRiver070815_86	TC2PR	1241151.618	2380930.345	08-07-2015 08:27:49	0.000000	0.000000	0.384460	770.6	28.3	0	-0.005	1.608
PineRiver070815_87	TC2PR	1241344.423	2380994.463	08-07-2015 08:33:13	0.000000	0.000000	4.473269	769.9	28.1	0	-0.001	18.714
PineRiver070815_88	TC2PR	1241331.721	2380743.249	08-07-2015 08:39:08	0.000000	0.000000	0.218559	768.0	27.9	0	-0.01	0.916
PineRiver070815_89	TC2PR	1241335.01	2380567.898	08-07-2015 08:42:32	0.000000	0.000000	0.252388	767.8	27.6	0	-0.007	1.057
PineRiver070815_90	TC2PR	1241539.063	2380598.162	08-07-2015 08:48:55	0.000000	0.000000	0.350677	768.4	27.5	-0.47	-0.002	1.467
PineRiver070815_91	TC2PR	1241532.499	2380719.522	08-07-2015 08:53:18	0.000000	0.000000	15.911670	766.2	27.5	0	-0.012	66.755
PineRiver070815_92	TC2PR	1241593.414	2380921.218	08-07-2015 08:58:16	0.000000	0.000000	0.295197	765.5	27.6	0	-0.004	1.24
PineRiver070815_93	TC2PR	1241740.412	2380990.061	08-07-2015 09:03:17	0.000000	0.000000	0.449914	764.5	27.7	0	-0.002	1.893
PineRiver070815_94	TC2PR	1241840.854	2380821.822	08-07-2015 09:07:51	0.000000	0.000000	0.345254	762.2	27.9	0	-0.013	1.458
PineRiver070815_95	TC2PR	1241962.592	2380782.836	08-07-2015 09:12:15	0.009931	0.000000	3.109401	761.6	28.1	0.042	-0.002	13.15
PineRiver070815_96	TC2PR	1241967.457	2380569.829	08-07-2015 09:16:39	0.000000	0.000000	2.066179	760.8	28.4	0	-0.002	8.756
PineRiver070815_97	TC2PR	1241774.09	2380538.591	08-07-2015 09:21:19	0.000000	0.000000	0.089491	762.3	28.8	0	-0.006	0.379
PineRiver070815_98	TC2PR	1241585.858	2380363.512	08-07-2015 09:29:46	0.000000	0.000000	4.765890	764.5	29.3	0	-0.007	20.159
PineRiver070815_99	TC2PR	1241517.764	2380295.58	08-07-2015 09:35:20	0.000000	0.000000	56.427040	767.6	29.3	0	-0.004	237.714
PineRiver070915_148	TC2PR	1239752.192	2383174.054	09-07-2015 07:16:53	0.000000	0.000000	0.133998	774.3	21.4	0	0	0.545
PineRiver070915_149	TC2PR	1239807.828	2383355.496	09-07-2015 07:23:05	0.000000	0.000000	0.284118	774.2	23.0	0	-0.01	1.162
PineRiver070915_150	TC2PR	1239734.374	2383516.57	09-07-2015 07:27:04	0.000000	0.000000	0.352004	775.3	23.7	0	-0.006	1.441
PineRiver070915_151	TC2PR	1239698.229	2383749.53	09-07-2015 07:30:49	0.000000	0.000000	0.278582	776.9	24.2	0	-0.016	1.14
PineRiver070915_152	TC2PR	1239609.292	2383757.95	09-07-2015 07:33:32	0.000000	0.000000	0.534642	776.3	24.4	0	-0.003	2.191
PineRiver070915_153	TC2PR	1239675.603	2383907.655	09-07-2015 07:36:40	0.000000	0.000000	1.520340	780.9	24.7	0	-0.008	6.2
PineRiver070915_154	TC2PR	1239559.247	2383976.645	09-07-2015 07:39:52	0.000000	0.000000	0.406197	779.3	24.9	0	-0.014	1.661

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver070915_155	TC2PR	1239522.983	2384147.976	09-07-2015 07:43:29	0.000000	0.000000	0.509277	777.4	25.1	0	-0.017	2.089
PineRiver070915_156	TC2PR	1239730.984	2384046.741	09-07-2015 07:48:05	0.000000	0.000000	0.351905	779.8	25.3	-17.878	-0.007	1.44
PineRiver070915_157	TC2PR	1239763.218	2383987.427	09-07-2015 07:51:52	0.000000	0.000000	0.518956	776.2	25.8	-0.612	-0.019	2.137
PineRiver070915_158	TC2PR	1239771.673	2384170.34	09-07-2015 07:55:14	0.000000	0.000000	0.360558	777.1	26.2	0	-0.004	1.485
PineRiver070915_159	TC2PR	1239711.763	2384321.448	09-07-2015 07:59:51	0.000000	0.000000	3.271832	781.0	26.8	0	0	13.435
PineRiver070915_160	TC2PR	1239601.834	2384366.199	09-07-2015 08:02:38	0.000000	0.000000	0.652558	785.5	27.0	0	-0.018	2.666
PineRiver070915_161	TC2PR	1239556.707	2384552.761	09-07-2015 08:06:06	0.000000	0.000000	0.304214	784.3	27.3	0	-0.012	1.246
PineRiver070915_162	TC2PR	1239494.513	2384796.273	09-07-2015 08:10:31	0.000000	0.000000	0.129122	779.5	27.8	-1.435	-0.026	0.533
PineRiver070915_163	TC2PR	1239523.568	2384949.836	09-07-2015 08:14:03	0.000000	0.000000	0.172850	792.2	28.2	0	-0.012	0.703
PineRiver070915_164	TC2PR	1239372.597	2384956.354	09-07-2015 08:18:17	0.000000	0.000000	0.197408	779.8	28.7	0	-0.001	0.817
PineRiver070915_165	TC2PR	1239342.649	2384778.422	09-07-2015 08:24:27	0.000000	0.000000	1.800301	779.8	29.6	-0.831	-0.011	7.473
PineRiver070915_166	TC2PR	1239275.114	2384703.885	09-07-2015 08:30:00	0.000000	0.000000	0.381596	781.6	30.3	-23.025	-0.023	1.584
PineRiver070915_167	TC2PR	1239293.12	2384551.551	09-07-2015 08:34:41	59.432740	0.006561	1.245295	789.9	30.9	244.595	0.027	5.125
PineRiver070915_168	TC2PR	1239342.027	2384554.935	09-07-2015 08:37:18	9.918789	0.003828	1.033656	778.6	31.2	41.454	0.016	4.32
PineRiver070915_169	TC2PR	1239342.017	2384393.636	09-07-2015 08:41:44	0.000000	0.000000	0.452824	780.6	31.9	0	-0.017	1.892
PineRiver070915_170	TC2PR	1239181.697	2384366.707	09-07-2015 08:46:04	0.000000	0.000000	0.278292	777.3	32.5	-0.532	-0.008	1.17
PineRiver070915_171	TC2PR	1239174.992	2384547.268	09-07-2015 08:51:18	0.000000	0.000000	0.163313	777.5	33.2	-1.66	-0.018	0.688
PineRiver070915_172	TC2PR	1238944.206	2384550.102	09-07-2015 08:56:27	0.000000	0.000000	0.161338	779.8	33.8	0	-0.001	0.679
PineRiver070915_173	TC2PR	1238963.014	2384769.738	09-07-2015 09:01:36	0.000000	0.000000	0.242144	775.8	34.3	-7.033	-0.008	1.026
PineRiver070915_174	TC2PR	1239126.27	2384786.497	09-07-2015 09:06:57	58.284990	0.003314	1.428270	779.1	34.7	246.236	0.014	6.034
PineRiver070915_175	TC2PR	1239176.829	2384711.233	09-07-2015 09:09:28	0.000000	0.000000	0.490002	779.9	35.0	-13.716	-0.002	2.07
PineRiver070915_176	TC2PR	1239104.384	2384975.678	09-07-2015 09:15:23	0.000000	0.000000	1.859391	782.7	35.4	-5.236	-0.01	7.837
PineRiver070915_177	TC2PR	1239230.33	2384984.972	09-07-2015 09:19:11	0.000000	0.000000	0.458591	782.5	35.5	-0.576	-0.022	1.934
PineRiver070915_178	TC2PR	1238965.874	2384967.523	09-07-2015 09:25:03	0.000000	0.000000	0.128370	782.1	35.7	0	-0.004	0.542
PineRiver070915_179	TC2PR	1238856.479	2384966.293	09-07-2015 09:28:10	0.000000	0.000000	0.216895	781.9	35.7	-0.588	-0.019	0.916
PineRiver070915_180	TC2PR	1240319.364	2381724.813	09-07-2015 09:52:33	0.000000	0.000000	0.165338	780.4	37.2	0	-0.024	0.703

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver070915_181	TC2PR	1240381.275	2381973.086	09-07-2015 09:57:25	0.000000	0.000000	0.859216	779.9	37.4	0	-0.029	3.658
PineRiver070915_182	TC2PR	1240348.921	2382183.631	09-07-2015 10:01:25	0.000000	0.000000	0.190734	776.1	37.4	0	0	0.816
PineRiver070915_183	TC2PR	1240546.411	2382163.117	09-07-2015 10:05:43	0.000000	0.000000	0.835252	775.1	37.4	0	-0.021	3.578
PineRiver070915_184	TC2PR	1240531.3	2381974.01	09-07-2015 10:09:39	0.000000	0.000000	0.074143	773.9	37.3	-6.145	-0.008	0.318
PineRiver070915_185	TC2PR	1240570.878	2381777.555	09-07-2015 10:13:07	0.000000	0.000000	0.158945	776.1	37.4	-7.424	-0.015	0.68
PineRiver070915_186	TC2PR	1240677.174	2381734.999	09-07-2015 10:16:09	10.956870	0.008236	2.447830	781.6	37.5	46.561	0.035	10.402
PineRiver070915_187	TC2PR	1240782.146	2381773.633	09-07-2015 10:19:06	1.617425	0.007751	1.460991	780.4	37.6	6.886	0.033	6.22
PineRiver070915_188	TC2PR	1240943.56	2381763.494	09-07-2015 10:22:03	0.000000	0.000000	0.685081	786.2	37.8	0	-0.015	2.897
PineRiver070915_189	TC2PR	1240770.713	2381928.492	09-07-2015 10:25:31	0.000000	0.000000	0.850722	778.4	38.1	0	0	3.637
PineRiver070915_190	TC2PR	1240932.728	2381915.757	09-07-2015 10:28:33	0.000000	0.000000	0.183497	777.4	38.3	0	-0.016	0.786
PineRiver070915_191	TC2PR	1240748.849	2382132.492	09-07-2015 10:34:31	0.000000	0.000000	0.070974	780.5	38.5	-1.758	-0.032	0.303
PineRiver070915_192	TC2PR	1240765.371	2382275.657	09-07-2015 10:37:36	0.000000	0.000000	0.505459	773.4	38.4	0	0	2.177
PineRiver070915_193	TC2PR	1240582.789	2382386.014	09-07-2015 10:42:04	0.000000	0.000000	0.114274	775.0	38.3	0	-0.013	0.491
PineRiver070915_194	TC2PR	1240568.005	2382542.762	09-07-2015 10:47:30	0.000000	0.000000	0.074048	774.9	38.1	0	-0.012	0.318
PineRiver070915_195	TC2PR	1240532.549	2382773.772	09-07-2015 10:52:28	0.000000	0.000000	0.105026	779.9	38.0	-2.905	-0.023	0.448
PineRiver070915_196	TC2PR	1240564.113	2382963.373	09-07-2015 10:56:56	1.975506	0.010230	1.265700	773.2	37.9	8.497	0.044	5.444
PineRiver070915_197	TC2PR	1240699.02	2382809.979	09-07-2015 11:01:05	0.000000	0.000000	0.102814	776.6	37.7	0	0	0.44
PineRiver070915_198	TC2PR	1240703.845	2382967.397	09-07-2015 11:04:27	0.000000	0.000000	0.611596	774.3	37.8	0	-0.021	2.626
PineRiver070915_199	TC2PR	1240693.885	2383112.599	09-07-2015 11:07:25	0.000000	0.000000	0.725899	780.0	37.9	0	-0.043	3.095
PineRiver070915_200	TC2PR	1240564.979	2383103.684	09-07-2015 11:11:33	0.000000	0.000000	0.910397	773.8	38.0	0	-0.032	3.914
PineRiver070915_201	TC2PR	1240400.07	2383104.215	09-07-2015 11:16:19	0.000000	0.000000	0.371055	773.2	38.1	0	-0.03	1.597
PineRiver070915_202	TC2PR	1240303.961	2383313.104	09-07-2015 11:22:10	0.000000	0.000000	0.219374	779.7	38.0	-0.52	-0.008	0.936
PineRiver070915_203	TC2PR	1240153.147	2383189.702	09-07-2015 11:26:20	0.000000	0.000000	0.193303	773.6	37.9	0	-0.005	0.831
PineRiver070915_204	TC2PR	1240148.94	2383330.257	09-07-2015 11:29:16	0.000000	0.000000	0.124063	775.3	37.8	-0.246	-0.02	0.532
PineRiver070915_205	TC2PR	1240195.525	2383501.186	09-07-2015 11:32:41	0.000000	0.000000	0.437011	775.7	37.8	0	-0.013	1.873
PineRiver070915_206	TC2PR	1239983.945	2383611.849	09-07-2015 11:37:17	0.000000	0.000000	0.237077	774.0	37.7	0	-0.026	1.018

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
PineRiver070915_207	TC2PR	1239941.828	2383382.592	09-07-2015 11:44:16	0.000000	0.000000	4.043811	784.0	37.6	0	-0.026	17.137
PineRiver070915_208	TC2PR	1239948.44	2383202.452	09-07-2015 11:50:34	0.000000	0.000000	0.866282	774.0	37.3	0	-0.042	3.715
PineRiver070915_209	TC2PR	1239942.449	2382949.973	09-07-2015 11:55:35	0.000000	0.000000	0.568817	784.0	37.4	0	-0.01	2.409
PineRiver070915_210	TC2PR	1239981.995	2382774.273	09-07-2015 11:58:35	0.000000	0.000000	0.235713	779.0	37.5	0	-0.007	1.005
PineRiver070915_211	TC2PR	1240159.861	2382715.924	09-07-2015 12:02:12	0.000000	0.000000	0.132537	778.0	37.6	0	-0.013	0.566
PineRiver070915_212	TC2PR	1240175.455	2382964.931	09-07-2015 12:06:08	0.000000	0.000000	0.296260	775.3	37.7	0	-0.018	1.27
PineRiver070915_213	TC2PR	1240358.137	2382945.615	09-07-2015 12:11:25	0.000000	0.000000	0.392056	776.1	37.9	-0.764	-0.004	1.68
PineRiver070915_214	TC2PR	1240358.993	2382779.329	09-07-2015 12:14:37	0.000000	0.000000	0.173665	774.2	37.9	0	-0.004	0.746
PineRiver070915_215	TC2PR	1240327.583	2382570.175	09-07-2015 12:18:13	0.000000	0.000000	0.280311	777.1	38.0	0	-0.018	1.2
PineRiver070915_216	TC2PR	1240194.565	2382573.565	09-07-2015 12:21:04	0.000000	0.000000	0.083717	778.2	38.1	0	-0.006	0.358
PineRiver070915_217	TC2PR	1240170.131	2382369.606	09-07-2015 12:25:23	0.000000	0.000000	0.254844	775.7	38.3	0	-0.019	1.094
PineRiver070915_218	TC2PR	1240337.903	2382358.646	09-07-2015 12:29:57	0.000000	0.000000	0.275076	783.4	38.5	0	-0.024	1.17
VausburgePike071015_01	VP	1243081.724794	2352528.549006	10-07-2015 11:38:35	0.000000	0.000000	8.149755	763.9	27.5	-4.977	-0.01	34.294
VausburgePike071015_02	VP	1243224.757857	2352770.642124	10-07-2015 11:44:01	0.000000	0.005531	1.220695	775.6	28.5	0	0.023	5.076
VosburgPike071415_03	VP	1243362.018996	2352496.500256	14-07-2015 07:43:43	0.000000	0.000000	0.162884	762.2	24.9	0	-0.007	0.681
VosburgPike071415_04	VP	1243557.963207	2352518.313559	14-07-2015 07:48:09	0.000000	0.000000	0.106882	765.9	25.1	-0.005	-0.026	0.445
VosburgPike071415_05	VP	1243742.268451	2352699.959616	14-07-2015 07:53:34	0.000000	0.000000	0.669695	767.0	25.5	-0.127	-0.056	2.788
VosburgPike071415_06	VP	1244126.539566	2352348.170689	14-07-2015 08:01:41	0.000000	0.000000	0.164807	763.1	26.1	0	0	0.691
VosburgPike071415_07	VP	1244351.95348	2352357.229808	14-07-2015 08:06:56	0.000000	0.000000	0.513116	763.9	26.5	0	-0.018	2.152
VosburgPike071415_08	VP	1244573.2432	2352368.25408	14-07-2015 08:11:59	0.000000	0.000000	0.244242	757.3	27.0	0	-0.065	1.035
VosburgPike071415_09	VP	1244570.707554	2352572.879576	14-07-2015 08:17:10	0.000000	0.000000	0.495799	756.4	27.5	0	-0.132	2.107
VosburgPike071415_10	VP	1244554.204157	2352787.391968	14-07-2015 08:22:27	0.000000	0.000000	0.569331	782.8	27.9	0	-0.011	2.341
VosburgPike071415_11	VP	1244301.934243	2352736.385886	14-07-2015 08:30:55	0.000000	0.000000	0.438832	760.1	28.5	0	-0.176	1.862
VosburgPike071415_12	VP	1244365.63127	2352511.07057	14-07-2015 08:37:32	0.000000	0.000000	0.179371	777.8	29.0	0	-0.021	0.745
VosburgPike071415_13	VP	1244134.404077	2352550.36329	14-07-2015 08:44:06	0.000000	0.000000	0.319592	760.1	29.6	0	-0.04	1.361
VosburgPike071415_14	VP	1244216.928001	2352794.306289	14-07-2015 08:49:33	0.000000	0.000000	0.090161	763.0	30.0	0	-0.028	0.383

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071415_15	VP	1243746.323818	2352959.736822	14-07-2015 08:59:22	0.000000	0.000000	1.140404	761.4	30.9	0	-0.051	4.869
VosburgPike071415_16	VP	1243797.620064	2353144.437853	14-07-2015 09:04:41	0.000000	0.000000	0.401944	775.1	31.3	0	-0.049	1.688
VosburgPike071415_17	VP	1243723.076534	2353330.804202	14-07-2015 09:10:26	0.000000	0.000000	0.555394	774.6	31.7	0	-0.07	2.337
VosburgPike071415_18	VP	1243564.034962	2353390.297818	14-07-2015 09:16:34	0.000000	0.000000	0.153160	763.4	32.2	0	-0.1	0.655
VosburgPike071415_19	VP	1243343.014811	2353397.420094	14-07-2015 09:22:06	0.000000	0.000000	0.265530	764.6	32.8	0	-0.028	1.136
VosburgPike071415_20	VP	1243391.022686	2353189.96006	14-07-2015 09:28:35	0.000000	0.000000	0.482703	771.5	33.6	0	-0.185	2.052
VosburgPike071415_21	VP	1243554.423914	2353162.213228	14-07-2015 09:33:46	0.000000	0.000000	0.724129	768.1	34.3	0	-0.066	3.099
VosburgPike071415_22	VP	1243541.913114	2353013.365542	14-07-2015 09:40:59	0.000000	0.000000	0.322211	769.2	35.2	0	-0.094	1.381
VosburgPike071415_23	VP	1243558.027552	2352960.168821	14-07-2015 09:46:56	0.000000	0.000000	0.676743	764.8	35.6	0	-0.038	2.921
VosburgPike071415_24	VP	1243493.39472	2352952.492677	14-07-2015 09:49:46	1.596860	0.000000	1.055359	767.6	35.9	6.874	-0.122	4.543
VosburgPike071415_25	VP	1243486.002838	2352991.547896	14-07-2015 09:53:30	0.453664	0.000000	1.765874	768.3	36.2	1.953	-0.161	7.602
VosburgPike071415_26	VP	1243579.257868	2352783.570812	14-07-2015 09:58:52	0.000000	0.000000	1.068810	765.0	36.6	0	-0.15	4.627
VosburgPike071415_27	VP	1243383.001681	2352776.005724	14-07-2015 10:04:31	0.000000	0.000000	0.343320	767.7	36.8	0	-0.092	1.482
VosburgPike071415_28	VP	1243335.819722	2352885.975738	14-07-2015 10:07:40	0.000000	0.000000	0.678016	770.8	36.8	0	-0.068	2.915
VosburgPike071415_29	VP	1243345.645517	2352970.813556	14-07-2015 10:10:45	0.000000	0.000000	0.790134	765.4	36.8	0	-0.069	3.421
VosburgPike071415_30	VP	1243159.315038	2352959.300542	14-07-2015 10:15:00	0.000000	0.000000	0.614137	773.0	36.7	0	-0.033	2.632
VosburgPike071415_31	VP	1243169.780637	2352835.540064	14-07-2015 10:19:26	0.000000	0.000000	0.531613	768.9	36.5	0	-0.006	2.289
VosburgPike071415_32	VP	1242532.608997	2350152.608789	14-07-2015 11:01:33	0.000000	0.000000	0.732646	766.4	37.0	0	-0.022	3.17
VosburgPike071415_33	VP	1242720.518414	2350133.047926	14-07-2015 11:08:46	0.000000	0.000000	0.434795	785.8	37.2	0	-0.104	1.836
VosburgPike071415_34	VP	1242919.13748	2350184.069751	14-07-2015 11:15:15	0.000000	0.000000	0.619880	767.7	37.4	0	-0.09	2.681
VosburgPike071415_35	VP	1243215.786056	2350181.584991	14-07-2015 11:15:37	0.000000	0.000000	0.619880	767.7	37.4	0	-0.09	2.681
VosburgPike071415_36	VP	1243307.26851	2350130.076374	14-07-2015 11:24:45	0.000000	0.000000	1.686543	765.3	37.9	0	-0.005	7.329
VosburgPike071415_37	VP	1243554.829023	2350162.601355	14-07-2015 11:30:10	0.000000	0.029558	0.579928	762.5	38.1	0	0.129	2.531
VosburgPike071415_38	VP	1243563.636952	2350055.341544	14-07-2015 11:38:55	0.000000	0.000000	0.160420	764.6	38.9	0	-0.307	0.7
VosburgPike071415_39	VP	1243560.744598	2349986.326833	14-07-2015 11:48:25	0.605381	0.000000	0.613799	760.0	39.3	2.661	-0.184	2.698
VosburgPike071415_40	VP	1243550.079218	2349856.0875	14-07-2015 12:02:58	0.773712	0.005458	0.745966	760.0	39.4	3.402	0.024	3.28

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071415_41	VP	1243560.517302	2349783.91742	14-07-2015 12:06:10	0.000000	0.000000	0.135734	760.8	39.3	0	-0.046	0.596
VosburgPike071415_42	VP	1243570.640707	2349581.252692	14-07-2015 12:13:04	0.000000	0.000000	0.409327	756.6	38.9	0	-0.01	1.805
VosburgPike071415_43	VP	1243565.673416	2349414.457005	14-07-2015 12:17:23	0.000000	0.000000	1.020361	763.0	38.5	0	-0.062	4.456
VosburgPike071415_44	VP	1243348.599633	2349570.134961	14-07-2015 12:22:21	0.000000	0.007540	0.760411	761.1	38.4	0	0.033	3.328
VosburgPike071415_45	VP	1243235.957905	2349619.844754	14-07-2015 12:28:15	0.000000	0.000000	0.122316	759.9	38.3	0	0	0.536
VosburgPike071415_46	VP	1243332.841924	2349791.136033	14-07-2015 12:33:23	4.618552	0.000000	4.127056	761.1	38.1	20.194	-0.136	18.045
VosburgPike071415_47	VP	1243331.377865	2349963.402721	14-07-2015 12:38:35	0.000000	0.000000	1.457158	761.6	38.0	0	-0.349	6.365
VosburgPike071415_48	VP	1243206.209054	2349971.954343	14-07-2015 12:42:51	0.000000	0.000000	0.562993	760.8	37.9	0	-0.112	2.461
VosburgPike071415_49	VP	1243161.875385	2349822.030638	14-07-2015 12:47:22	0.401129	0.000000	1.040501	763.8	37.8	1.746	-0.2	4.529
VosburgPike071415_50	VP	1243208.967249	2349807.867775	14-07-2015 12:51:12	0.000000	0.000689	0.609831	763.1	37.7	0	0.003	2.656
VosburgPike071415_51	VP	1243129.886257	2349837.252925	14-07-2015 12:54:41	10.049230	0.000000	1.601728	762.2	37.6	43.805	-0.137	6.982
VosburgPike071415_52	VP	1242965.517023	2349814.311974	14-07-2015 12:58:59	0.000000	0.000000	1.287395	764.9	37.6	0	-0.247	5.592
VosburgPike071415_53	VP	1243033.047103	2349745.604721	14-07-2015 13:02:09	0.000000	0.000000	0.066069	764.6	37.5	0	-0.109	0.287
VosburgPike071415_54	VP	1242967.186406	2349607.879348	14-07-2015 13:06:10	0.000000	0.005308	0.137543	766.5	37.5	0	0.023	0.596
VosburgPike071415_55	VP	1242983.134698	2349954.343598	14-07-2015 13:15:04	0.000000	0.000000	1.223809	766.5	37.5	0	-0.13	5.303
VosburgPike071415_56	VP	1242886.557811	2350032.364445	14-07-2015 13:20:06	76.244220	0.000000	4.348619	767.0	37.3	329.953	-0.216	18.819
VosburgPike071415_57	VP	1242808.364665	2349994.197701	14-07-2015 13:23:25	0.768700	0.000000	0.785669	771.3	37.2	3.307	-0.169	3.38
VosburgPike071415_58	VP	1242736.016757	2349988.499683	14-07-2015 13:25:41	0.000000	0.000000	1.138205	771.4	37.2	0	-0.152	4.896
VosburgPike071415_59	VP	1242577.981972	2349968.783847	14-07-2015 13:28:38	0.000000	0.000000	1.125831	772.8	37.2	0	-0.104	4.834
VosburgPike071415_60	VP	1242573.019389	2349818.467877	14-07-2015 13:31:33	0.000000	0.000000	0.688731	770.5	37.3	0	-0.148	2.967
VosburgPike071415_61	VP	1242747.888222	2349748.025792	14-07-2015 13:34:56	0.000000	0.000000	6.385177	770.8	37.4	0	-0.105	27.505
VosburgPike071415_75	VP	1244325.554961	2349574.956308	15-07-2015 12:34:11	0.000000	0.000000	0.195293	752.6	32.5	0	-0.045	0.848
VosburgPike071415_76	VP	1244315.183576	2349747.839422	15-07-2015 12:38:18	0.000000	0.000000	0.694699	757.2	33.5	0	-0.036	3.008
VosburgPike071415_77	VP	1244320.199017	2349952.091561	15-07-2015 12:44:07	0.000000	0.010350	0.601229	756.8	34.6	0	0.045	2.614
VosburgPike071415_78	VP	1244182.688477	2350232.761703	15-07-2015 12:49:43	0.000000	0.000000	0.803903	754.0	35.2	0	-0.143	3.515
VosburgPike071415_79	VP	1244126.235616	2349982.012491	15-07-2015 12:54:21	0.000000	0.000000	0.878969	775.4	35.6	0	-0.165	3.742

Site Pt	Area Abbrev	Northing	Easting	DATE TIME:	CH4 flux	H2S flux	CO2 flux	PRESSURE (HPa):	TEMP DegC	CH4 slope	H2S slope	CO2 slope
VosburgPike071415_80	VP	1244222.732545	2349777.284443	15-07-2015 12:58:48	0.000000	0.000000	2.659939	756.5	36.0	0	-0.198	11.622
VosburgPike071415_81	VP	1244164.422388	2349745.144277	15-07-2015 13:03:04	6.526783	0.000000	3.713336	758.7	36.2	28.453	-0.181	16.188
VosburgPike071415_82	VP	1244138.250709	2349760.254281	15-07-2015 13:06:11	0.000000	0.000000	2.132179	755.7	36.4	0	-0.134	9.338
VosburgPike071415_83	VP	1244101.810562	2349679.203334	15-07-2015 13:10:54	0.000000	0.000000	0.769331	762.6	36.6	0	-0.158	3.341
VosburgPike071415_84	VP	1244139.586265	2349577.315211	15-07-2015 13:14:19	0.000000	0.000000	1.080097	761.4	36.8	0	-0.157	4.701
VosburgPike071415_85	VP	1243950.8331	2349397.280155	15-07-2015 13:23:58	0.988404	0.000000	1.163988	760.6	37.2	4.312	-0.089	5.078
VosburgPike071415_86	VP	1244128.170515	2349366.605944	15-07-2015 13:29:02	0.000000	0.000000	0.662693	756.9	37.5	0	-0.088	2.908
VosburgPike071415_87	VP	1244121.733674	2349172.793578	15-07-2015 13:34:26	0.000000	0.000000	0.809286	759.4	37.8	0	-0.137	3.543
VosburgPike071415_88	VP	1243965.607203	2349208.195993	15-07-2015 13:38:15	0.000000	0.000000	0.650505	756.4	38.0	0	-0.24	2.861
VosburgPike071415_89	VP	1243778.629973	2349173.060938	15-07-2015 13:43:11	0.000000	0.000000	0.363530	766.4	38.2	0	-0.172	1.579
VosburgPike071415_90	VP	1243769.167171	2349354.831257	15-07-2015 13:49:27	0.000000	0.000000	0.389300	761.5	38.6	0	-0.118	1.704
VosburgPike071415_91	VP	1243763.005907	2349558.270724	15-07-2015 13:54:05	0.000000	0.000000	0.420085	762.3	38.8	0	-0.092	1.838
VosburgPike071415_92	VP	1243956.447238	2349571.38511	15-07-2015 13:58:49	0.000000	0.000000	0.155954	762.3	39.1	-0.25	-0.173	0.683
VosburgPike071415_93	VP	1243936.778702	2349789.913571	15-07-2015 14:05:17	0.000000	0.000000	0.561397	781.2	39.6	0	-0.062	2.403
VosburgPike071415_94	VP	1243750.018605	2349768.943519	15-07-2015 14:09:34	0.000000	0.000000	0.353581	761.8	39.8	0	-0.101	1.553
VosburgPike071415_95	VP	1243757.739359	2349951.039197	15-07-2015 14:12:57	0.000000	0.000000	0.045393	759.9	40.0	0	-0.076	0.2
VosburgPike071415_96	VP	1243946.037541	2350012.953661	15-07-2015 14:18:22	0.000000	0.000000	0.283512	769.1	40.2	0	-0.115	1.235
VosburgPike071415_97	VP	1243938.826201	2350146.798824	15-07-2015 14:23:35	0.000000	0.000000	0.215229	754.5	40.3	-1.346	-0.049	0.956
VosburgPike071415_98	VP	1243767.920457	2350156.398622	15-07-2015 14:28:12	0.000000	0.000000	0.079438	756.8	40.5	0	-0.097	0.352

APPENDIX C

VOLUMETRIC FLUX CALCULATIONS

Grid Volume Computations

Mon Aug 17 16:22:36 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\Baird_CO2.grd
Grid Size:	8 rows x 8 columns
X Minimum:	2330537.525
X Maximum:	2330964.328
X Spacing:	60.971857142901
Y Minimum:	1230491.7
Y Maximum:	1230899.613
Y Spacing:	58.273285714277
Z Minimum:	0.061251864791801
Z Maximum:	1.6928217098045

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	3767.1648674625
Simpson's Rule:	3733.8355972313
Simpson's 3/8 Rule:	3974.7436604847

Cut & Fill Volumes

Positive Volume [Cut]:	3767.1648674625
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	3767.1648674625

Areas

Planar Areas

Positive Planar Area [Cut]:	120803.03536182
Negative Planar Area [Fill]:	0

Blanked Planar Area:	53295.456777275
Total Planar Area:	174098.4921391

Surface Areas

Positive Surface Area [Cut]:	120803.06668367
Negative Surface Area [Fill]:	0

Grid Volume Computations

Fri Aug 14 12:10:20 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\BC-CJ-GC_CH4_notail.grd
Grid Size:	160 rows x 222 columns
X Minimum:	2299844.415
X Maximum:	2313330.867
X Spacing:	61.024669683258
Y Minimum:	1208379.206
Y Maximum:	1218140.924
Y Spacing:	61.394452830189
Z Minimum:	0
Z Maximum:	498.12948865898

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	5203110.7617007
Simpson's Rule:	5132630.7918244
Simpson's 3/8 Rule:	5148805.8474004

Cut & Fill Volumes

Positive Volume [Cut]:	5203110.7617007
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	5203110.7617007

Areas

Planar Areas

Positive Planar Area [Cut]:	28807424.435222
Negative Planar Area [Fill]:	0

Blanked Planar Area:	102843516.80932
Total Planar Area:	131650941.24454

Surface Areas

Positive Surface Area [Cut]:	28813541.593307
Negative Surface Area [Fill]:	0

Grid Volume Computations

Mon Aug 17 16:22:19 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\BC-CJ-GC_CO2.grd
Grid Size:	164 rows x 226 columns
X Minimum:	2299844.415
X Maximum:	2313330.867
X Spacing:	59.939786666667
Y Minimum:	1208379.206
Y Maximum:	1218140.924
Y Spacing:	59.887840490798
Z Minimum:	-1.1717851965462
Z Maximum:	10.19839915085

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	1285100.167193
Simpson's Rule:	1288107.821657
Simpson's 3/8 Rule:	1284943.2360443

Cut & Fill Volumes

Positive Volume [Cut]:	1310528.7045401
Negative Volume [Fill]:	25428.537347096
Net Volume [Cut-Fill]:	1285100.167193

Areas

Planar Areas

Positive Planar Area [Cut]:	20512041.424105
Negative Planar Area [Fill]:	1135429.6372499

Blanked Planar Area:	110003470.18318
Total Planar Area:	131650941.24454

Surface Areas

Positive Surface Area [Cut]:	20512049.144107
Negative Surface Area [Fill]:	1135429.7122476

Grid Volume Computations

Mon Aug 17 16:22:54 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\Fed_CO2.grd
Grid Size:	8 rows x 8 columns
X Minimum:	2319822.218
X Maximum:	2320240.697
X Spacing:	59.782714285755
Y Minimum:	1219609.952
Y Maximum:	1220030.094
Y Spacing:	60.020285714285
Z Minimum:	0.036047566148789
Z Maximum:	0.14253394223397

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	1271.8518924815
Simpson's Rule:	1247.3443128791
Simpson's 3/8 Rule:	1300.6066841323

Cut & Fill Volumes

Positive Volume [Cut]:	1271.8518924815
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	1271.8518924815

Areas

Planar Areas

Positive Planar Area [Cut]:	121997.97013502
Negative Planar Area [Fill]:	0

Blanked Planar Area:	53822.633883097
Total Planar Area:	175820.60401812

Surface Areas

Positive Surface Area [Cut]:	121997.97035056
Negative Surface Area [Fill]:	0

Grid Volume Computations

Fri Aug 14 14:46:30 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\FR_CH4_notail.grd
Grid Size:	45 rows x 88 columns
X Minimum:	2328062.866
X Maximum:	2333287.6
X Spacing:	60.054413793105
Y Minimum:	1233395.842
Y Maximum:	1236048.899
Y Spacing:	60.296750000001
Z Minimum:	0
Z Maximum:	219.46278898548

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	715174.52186024
Simpson's Rule:	744421.48105017
Simpson's 3/8 Rule:	679292.46454947

Cut & Fill Volumes

Positive Volume [Cut]:	715174.52186024
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	715174.52186024

Areas

Planar Areas

Positive Planar Area [Cut]:	5813653.532669
Negative Planar Area [Fill]:	0

Blanked Planar Area:	8047863.5791696
Total Planar Area:	13861517.111839

Surface Areas

Positive Surface Area [Cut]:	5814577.7387639
Negative Surface Area [Fill]:	0

Grid Volume Computations

Mon Aug 17 16:24:31 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\FR_CO2.grd
Grid Size:	45 rows x 88 columns
X Minimum:	2328062.866
X Maximum:	2333287.6
X Spacing:	60.054413793105
Y Minimum:	1233395.842
Y Maximum:	1236048.899
Y Spacing:	60.296750000001
Z Minimum:	-0.59174239360377
Z Maximum:	3.0381600178192

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	231921.29210167
Simpson's Rule:	232528.23461838
Simpson's 3/8 Rule:	231980.0278632

Cut & Fill Volumes

Positive Volume [Cut]:	236539.69044656
Negative Volume [Fill]:	4618.3983448947
Net Volume [Cut-Fill]:	231921.29210167

Areas

Planar Areas

Positive Planar Area [Cut]:	5381983.2834551
Negative Planar Area [Fill]:	431670.24921388

Blanked Planar Area:	8047863.5791696
Total Planar Area:	13861517.111839

Surface Areas

Positive Surface Area [Cut]:	5381983.876437
Negative Surface Area [Fill]:	431670.28106855

Grid Volume Computations

Mon Aug 17 16:23:09 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\PB_CO2.grd
Grid Size:	8 rows x 8 columns
X Minimum:	2384391.057
X Maximum:	2384796.27
X Spacing:	57.88757142857
Y Minimum:	1236762.909
Y Maximum:	1237175.261
Y Spacing:	58.907428571422
Z Minimum:	0.17177949368394
Z Maximum:	0.40693635419927

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	3335.6817001947
Simpson's Rule:	3268.2880161369
Simpson's 3/8 Rule:	3404.6502673533

Cut & Fill Volumes

Positive Volume [Cut]:	3335.6817001947
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	3335.6817001947

Areas

Planar Areas

Positive Planar Area [Cut]:	115940.27128945
Negative Planar Area [Fill]:	0

Blanked Planar Area:	51150.119686524
Total Planar Area:	167090.39097598

Surface Areas

Positive Surface Area [Cut]:	115940.27205997
Negative Surface Area [Fill]:	0

Grid Volume Computations

Fri Aug 14 15:11:21 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\Sec12_CH4_notail.grd
Grid Size:	127 rows x 357 columns
X Minimum:	2358715
X Maximum:	2362275
X Spacing:	10
Y Minimum:	1245090
Y Maximum:	1246345
Y Spacing:	9.9603174603175
Z Minimum:	0
Z Maximum:	5341.6863281272

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	8257857.2840251
Simpson's Rule:	8259498.8649815
Simpson's 3/8 Rule:	8258846.9485054

Cut & Fill Volumes

Positive Volume [Cut]:	8257857.2840251
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	8257857.2840251

Areas

Planar Areas

Positive Planar Area [Cut]:	3371019.6428571
Negative Planar Area [Fill]:	0

Blanked Planar Area:	1096780.3571429
Total Planar Area:	4467800

Surface Areas

Positive Surface Area [Cut]:	3490200.5826673
Negative Surface Area [Fill]:	0

Grid Volume Computations

Wed Sep 09 09:55:28 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\Sec12_CH4c_notail.grd
Grid Size:	71 rows x 186 columns
X Minimum:	2358642.597
X Maximum:	2362350.044
X Spacing:	20.040254054055
Y Minimum:	1245016.97
Y Maximum:	1246417.83
Y Spacing:	20.012285714287
Z Minimum:	0
Z Maximum:	5586.6875565957

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	3673191.7175903
Simpson's Rule:	3670802.8743756
Simpson's 3/8 Rule:	3598505.4980387

Cut & Fill Volumes

Positive Volume [Cut]:	3673191.7175903
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	3673191.7175903

Areas

Planar Areas

Positive Planar Area [Cut]:	4434424.1126084
Negative Planar Area [Fill]:	0

Blanked Planar Area:	759190.09181222
Total Planar Area:	5193614.2044206

Surface Areas

Positive Surface Area [Cut]:	4503681.1542666
Negative Surface Area [Fill]:	0

Grid Volume Computations

Mon Aug 17 16:20:46 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\Sec12_CO2.grd
Grid Size:	252 rows x 713 columns
X Minimum:	2358715
X Maximum:	2362275
X Spacing:	5
Y Minimum:	1245090
Y Maximum:	1246345
Y Spacing:	5
Z Minimum:	-1.7104123140751
Z Maximum:	17.193275284371

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	269230.52183109
Simpson's Rule:	269237.82851495
Simpson's 3/8 Rule:	269247.36698636

Cut & Fill Volumes

Positive Volume [Cut]:	270886.9892773
Negative Volume [Fill]:	1656.4674462043
Net Volume [Cut-Fill]:	269230.5218311

Areas

Planar Areas

Positive Planar Area [Cut]:	3333605.5692401
Negative Planar Area [Fill]:	62719.430759867

Blanked Planar Area:	1071475
Total Planar Area:	4467800

Surface Areas

Positive Surface Area [Cut]:	3333612.8524458
Negative Surface Area [Fill]:	62720.328763631

Grid Volume Computations

Fri Aug 14 14:56:29 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\Sec17_CH4_notail.grd
Grid Size:	36 rows x 41 columns
X Minimum:	2340925
X Maximum:	2341125
X Spacing:	5
Y Minimum:	1240750
Y Maximum:	1240925
Y Spacing:	5
Z Minimum:	0
Z Maximum:	423.1223515669

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	66632.332833784
Simpson's Rule:	66645.115223322
Simpson's 3/8 Rule:	66700.583792609

Cut & Fill Volumes

Positive Volume [Cut]:	66632.332833784
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	66632.332833784

Areas

Planar Areas

Positive Planar Area [Cut]:	31725
Negative Planar Area [Fill]:	0

Blanked Planar Area:	3275
Total Planar Area:	35000

Surface Areas

Positive Surface Area [Cut]:	33301.803821926
Negative Surface Area [Fill]:	0

Grid Volume Computations

Mon Aug 17 16:21:24 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\Sec17_CO2.grd
Grid Size:	18 rows x 21 columns
X Minimum:	2340925
X Maximum:	2341125
X Spacing:	10
Y Minimum:	1240760
Y Maximum:	1240925
Y Spacing:	9.7058823529412
Z Minimum:	-6.0217570491116
Z Maximum:	114.42287345507

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	20004.30876147
Simpson's Rule:	20155.667961344
Simpson's 3/8 Rule:	19852.737600118

Cut & Fill Volumes

Positive Volume [Cut]:	22707.363772533
Negative Volume [Fill]:	2703.0550110636
Net Volume [Cut-Fill]:	20004.30876147

Areas

Planar Areas

Positive Planar Area [Cut]:	14362.858160407
Negative Planar Area [Fill]:	15240.083016063

Blanked Planar Area:	3397.0588235294
Total Planar Area:	33000

Surface Areas

Positive Surface Area [Cut]:	14534.415282915
Negative Surface Area [Fill]:	15241.658192681

Grid Volume Computations

Fri Aug 14 15:21:16 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\SEC18T35NR8W_CH4_notail.grd
Grid Size:	14 rows x 16 columns
X Minimum:	2335100
X Maximum:	2335325
X Spacing:	15
Y Minimum:	1237282
Y Maximum:	1237475
Y Spacing:	14.846153846154
Z Minimum:	0
Z Maximum:	0.36202035546855

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	43.481817201283
Simpson's Rule:	43.932254402837
Simpson's 3/8 Rule:	40.338084376537

Cut & Fill Volumes

Positive Volume [Cut]:	43.481817201283
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	43.481817201283

Areas

Planar Areas

Positive Planar Area [Cut]:	40975.384615385

Negative Planar Area [Fill]:	0
Blanked Planar Area:	2449.6153846154
Total Planar Area:	43425

Surface Areas

Positive Surface Area [Cut]:	40975.387926092
Negative Surface Area [Fill]:	0

Grid Volume Computations

Mon Aug 17 16:22:02 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\SEC18T35NR8W_CO2.grd
Grid Size:	25 rows x 24 columns
X Minimum:	2335100
X Maximum:	2335325
X Spacing:	9.7826086956522
Y Minimum:	1237275
Y Maximum:	1237510
Y Spacing:	9.7916666666667
Z Minimum:	0.11330360855627
Z Maximum:	0.43680520906751

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	1169.638802952
Simpson's Rule:	1167.1465966456
Simpson's 3/8 Rule:	1171.1259921052

Cut & Fill Volumes

Positive Volume [Cut]:	1169.638802952
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	1169.638802952

Areas

Planar Areas

Positive Planar Area [Cut]:	49522.418478261
Negative Planar Area [Fill]:	0

Blanked Planar Area:	3352.5815217391
Total Planar Area:	52875

Surface Areas

Positive Surface Area [Cut]:	49522.420043699
Negative Surface Area [Fill]:	0

Grid Volume Computations

Fri Aug 14 15:35:27 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\TC2PR_CH4_notail.grd
Grid Size:	111 rows x 321 columns
X Minimum:	2370433.935
X Maximum:	2389660.24
X Spacing:	60.082203125001
Y Minimum:	1237838.913
Y Maximum:	1244444.309
Y Spacing:	60.049054545454
Z Minimum:	0
Z Maximum:	713.22043640796

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	7220213.4919931
Simpson's Rule:	7316178.3355176
Simpson's 3/8 Rule:	7164158.2983196

Cut & Fill Volumes

Positive Volume [Cut]:	7220213.4919931
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	7220213.4919931

Areas

Planar Areas

Positive Planar Area [Cut]:	19881219.944326
Negative Planar Area [Fill]:	0

Blanked Planar Area:	107116138.19745
Total Planar Area:	126997358.14178

Surface Areas

Positive Surface Area [Cut]:	19891377.996347
Negative Surface Area [Fill]:	0

Grid Volume Computations

Wed Aug 19 11:46:49 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\TC2PR_CH4B_notail.grd
Grid Size:	221 rows x 642 columns
X Minimum:	2370433.935
X Maximum:	2389660.24
X Spacing:	29.994235569423
Y Minimum:	1237838.913
Y Maximum:	1244444.309
Y Spacing:	30.024527272727
Z Minimum:	0
Z Maximum:	2269.8422634994

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	5224873.320818
Simpson's Rule:	5347554.3066367
Simpson's 3/8 Rule:	5224553.4024248

Cut & Fill Volumes

Positive Volume [Cut]:	5224873.320818
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	5224873.320818

Areas

Planar Areas

Positive Planar Area [Cut]:	16145288.872258
Negative Planar Area [Fill]:	0

Blanked Planar Area:	110852069.26952
Total Planar Area:	126997358.14178

Surface Areas

Positive Surface Area [Cut]:	16190822.467976
Negative Surface Area [Fill]:	0

Grid Volume Computations

Mon Aug 17 16:23:33 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\TC2PR_CO2.grd
Grid Size:	111 rows x 321 columns
X Minimum:	2370433.935
X Maximum:	2389660.24
X Spacing:	60.082203125001
Y Minimum:	1237838.913
Y Maximum:	1244444.309
Y Spacing:	60.049054545454
Z Minimum:	-7.1551888472274
Z Maximum:	49.188672478855

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	1614438.5799972
Simpson's Rule:	1619358.1062486
Simpson's 3/8 Rule:	1616150.6208203

Cut & Fill Volumes

Positive Volume [Cut]:	1636589.3938156
Negative Volume [Fill]:	22150.813818382
Net Volume [Cut-Fill]:	1614438.5799972

Areas

Planar Areas

Positive Planar Area [Cut]:	19469497.447714
Negative Planar Area [Fill]:	411722.49661214

Blanked Planar Area:	107116138.19745
Total Planar Area:	126997358.14178

Surface Areas

Positive Surface Area [Cut]:	19469530.561276
Negative Surface Area [Fill]:	411722.90599588

Grid Volume Computations

Fri Aug 14 15:26:42 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\VP_CH4_notail.grd
Grid Size:	38 rows x 75 columns
X Minimum:	2349072.793
X Maximum:	2353497.421
X Spacing:	59.792270270271
Y Minimum:	1242432.608
Y Maximum:	1244673.244
Y Spacing:	60.557729729728
Z Minimum:	0
Z Maximum:	56.495546653353

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	209025.54369559
Simpson's Rule:	207493.65501508
Simpson's 3/8 Rule:	217421.4515148

Cut & Fill Volumes

Positive Volume [Cut]:	209025.54369559
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	209025.54369559

Areas

Planar Areas

Positive Planar Area [Cut]:	4931644.2027032
Negative Planar Area [Fill]:	0

Blanked Planar Area:	4982336.5807046
Total Planar Area:	9913980.7834078

Surface Areas

Positive Surface Area [Cut]:	4931689.3243166
Negative Surface Area [Fill]:	0

Grid Volume Computations

Mon Aug 17 16:24:04 2015

Upper Surface

Grid File Name:	P:\LaPlata\2015 Detailed Seep Mapping\Surfer\VP_CO2.grd
Grid Size:	35 rows x 75 columns
X Minimum:	2349072.793
X Maximum:	2353497.421
X Spacing:	59.792270270271
Y Minimum:	1242632.608
Y Maximum:	1244673.244
Y Spacing:	60.018705882351
Z Minimum:	-0.52304973594919
Z Maximum:	7.8378765582839

Lower Surface

Level Surface defined by Z = 0

Volumes

Z Scale Factor:	0.0929

Total Volumes by:

Trapezoidal Rule:	423044.3804887
Simpson's Rule:	419251.98834636
Simpson's 3/8 Rule:	426848.40758485

Cut & Fill Volumes

Positive Volume [Cut]:	424114.27065143
Negative Volume [Fill]:	1069.8901627321
Net Volume [Cut-Fill]:	423044.3804887

Areas

Planar Areas

Positive Planar Area [Cut]:	4711536.2739484
Negative Planar Area [Fill]:	93672.347110068

Blanked Planar Area:	4223846.5623494
Total Planar Area:	9029055.1834078

Surface Areas

Positive Surface Area [Cut]:	4711537.6789397
Negative Surface Area [Fill]:	93672.364460971

APPENDIX D

LABORATORY ANALYTICAL REPORTS

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

09 July 2015

Devin Hencmann
LT Environmental
2243 Main Ave, Suite 3
Durango, CO 81301

RE: La Plata Springs

Enclosed are the results of analyses for samples received by the laboratory on 06/22/15 14:30.
If you need any further assistance, please feel free to contact me.

Sincerely,

Debbie Zufelt
Reports Manager

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

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

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

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	
2243 Main Ave, Suite 3	Project Name / Number: LaPlata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	07/09/15 17:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Animas River Spring	1506201-01	Water	06/22/15 14:10	06/22/15 14:30

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	
2243 Main Ave, Suite 3	Project Name / Number: LaPlata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	07/09/15 17:05

Animas River Spring

1506201-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate*	**510**	10.0		mg/L	5	06/29/15	2320 B		LLG
Alkalinity, Carbonate*	<10.0	10.0		mg/L	5	06/29/15	2320 B		LLG
Alkalinity, Hydroxide*	<10.0	10.0		mg/L	5	06/29/15	2320 B		LLG
Alkalinity, Total*	**510**	10.0		mg/L	5	06/29/15	2320 B		LLG
Bromide	<1.00	1.00	0.730	mg/L	10	06/29/15	4500-Br- B		ABP
Chloride*	**67.0**	10.0	5.00	mg/L	1	06/29/15	4500-Cl- C		LLG
Fluoride*	**0.263**	0.250	0.0550	mg/L	1	07/08/15	4500-F- C		ABP
TDS*	**2830**	10.0		mg/L	1	06/24/15	EPA160.1		ABP
Sulfate	**1620**	500	84.0	mg/L	50	07/06/15	4500-SO42- E		ABP
Dissolved Metals by ICP									
Calcium*	**289**	0.200	0.028	mg/L	10	06/25/15	EPA200.7		JGS
Iron*	<0.050	0.050	0.003	mg/L	1	06/25/15	EPA200.7		JGS
Magnesium*	**231**	1.00	0.324	mg/L	10	06/25/15	EPA200.7		JGS
Potassium*	**5.44**	1.00	0.335	mg/L	1	06/25/15	EPA200.7		JGS
Sodium*	**265**	10.0	3.05	mg/L	10	06/25/15	EPA200.7		JGS

Green Analytical Laboratories

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www.GreenAnalytical.com

LT Environmental	Project: La Plata Springs	
2243 Main Ave, Suite 3	Project Name / Number: LaPlata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	07/09/15 17:05

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B506245 - General Prep - Wet Chem										
Blank (B506245-BLK1)				Prepared & Analyzed: 06/24/15						
Bromide	ND	0.100	mg/L							
LCS (B506245-BS1)				Prepared & Analyzed: 06/24/15						
Bromide	0.584	0.100	mg/L	0.600		97.4	85-115			
LCS Dup (B506245-BSD1)				Prepared & Analyzed: 06/24/15						
Bromide	0.656	0.100	mg/L	0.600		109	85-115	11.5	20	
Batch B506293 - General Prep - Wet Chem										
Blank (B506293-BLK1)				Prepared & Analyzed: 06/29/15						
Chloride	ND	10.0	mg/L							
LCS (B506293-BS1)				Prepared & Analyzed: 06/29/15						
Chloride	108	10.0	mg/L	100		108	85-115			
LCS Dup (B506293-BSD1)				Prepared & Analyzed: 06/29/15						
Chloride	109	10.0	mg/L	100		109	85-115	0.922	20	
Batch B506295 - General Prep - Wet Chem										
Blank (B506295-BLK1)				Prepared & Analyzed: 06/29/15						
Alkalinity, Total	ND	10.0	mg/L							
LCS (B506295-BS1)				Prepared & Analyzed: 06/29/15						
Alkalinity, Total	103	10.0	mg/L	100		103	85-115			

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

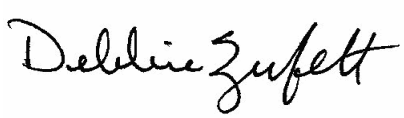
Green Analytical Laboratories
dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303
www.GreenAnalytical.com

LT Environmental	Project: La Plata Springs	
2243 Main Ave, Suite 3	Project Name / Number: LaPlata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	07/09/15 17:05

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B506295 - General Prep - Wet Chem										
LCS Dup (B506295-BSD1)				Prepared & Analyzed: 06/29/15						
Alkalinity, Total	104	10.0	mg/L	100		104	85-115	0.966	20	
Batch B506299 - General Prep - Wet Chem										
Blank (B506299-BLK1)				Prepared & Analyzed: 06/24/15						
TDS	ND	10.0	mg/L							
Duplicate (B506299-DUP2)	**Source: 1506176-01**			Prepared & Analyzed: 06/24/15						
TDS	290	10.0	mg/L		305			5.04	20	
Reference (B506299-SRM1)				Prepared & Analyzed: 06/24/15						
TDS	625	10.0	mg/L	590		106	85-115			
Batch B507032 - General Prep - Wet Chem										
Blank (B507032-BLK1)				Prepared & Analyzed: 07/06/15						
Sulfate	ND	10.0	mg/L							
LCS (B507032-BS1)				Prepared & Analyzed: 07/06/15						
Sulfate	52.4	10.0	mg/L	50.0		105	85-115			
LCS Dup (B507032-BSD1)				Prepared & Analyzed: 07/06/15						
Sulfate	53.8	10.0	mg/L	50.0		108	85-115	2.64	20	
Batch B507053 - General Prep - Wet Chem										
Blank (B507053-BLK1)				Prepared & Analyzed: 07/08/15						
Fluoride	ND	0.250	mg/L							

Green Analytical Laboratories



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	
2243 Main Ave, Suite 3	Project Name / Number: LaPlata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	07/09/15 17:05

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B507053 - General Prep - Wet Chem										
LCS (B507053-BS1)				Prepared & Analyzed: 07/08/15						
Fluoride	1.02	0.250	mg/L	1.00		102	85-115			
LCS Dup (B507053-BSD1)				Prepared & Analyzed: 07/08/15						
Fluoride	1.03	0.250	mg/L	1.00		103	85-115	0.681	20	

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

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LT Environmental	Project: La Plata Springs	
2243 Main Ave, Suite 3	Project Name / Number: LaPlata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	07/09/15 17:05

Dissolved Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B506241 - Dissolved Metals, E200.7/E200.8										
Blank (B506241-BLK1)				Prepared & Analyzed: 06/25/15						
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 (B506241-BS1)				Prepared & Analyzed: 06/25/15						
Calcium	4.95	0.020	mg/L	5.00		98.9	85-115			
Iron	5.07	0.050	mg/L	5.00		101	85-115			
Magnesium	26.0	0.100	mg/L	25.0		104	85-115			
Potassium	10.3	1.00	mg/L	10.0		103	85-115			
Sodium	8.11	1.00	mg/L	8.10		100	85-115			
LCS Dup (B506241-BSD1)				Prepared & Analyzed: 06/25/15						
Calcium	5.04	0.020	mg/L	5.00		101	85-115	1.88	20	
Iron	5.17	0.050	mg/L	5.00		103	85-115	2.04	20	
Magnesium	26.4	0.100	mg/L	25.0		106	85-115	1.63	20	
Potassium	10.3	1.00	mg/L	10.0		103	85-115	0.194	20	
Sodium	8.25	1.00	mg/L	8.10		102	85-115	1.78	20	

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	
2243 Main Ave, Suite 3	Project Name / Number: LaPlata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	07/09/15 17:05

Notes and Definitions

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

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: LT Environmental	Bill to (if different):
Project Manager: Devin Hencmann	P.O. #:
Address: 2243 main Ave Suite 3	Company:
City: Durango State: CO Zip: 81301	Attn:
Phone #: 970-385-1096 Email: dhencmann@ltenv.com	Address:
Additional Report To:	City:
Project Name: La Plata Springs	State: Zip:
Project Number: 009215003	Phone #:
Sampler Name (Print):	Fax or Email:

FOR LAB USE ONLY Lab I.D.	Sample Name or Location	Collected Date	Collected Time	Matrix (check one): GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	OTHER :	# of containers: No preservation (general)	HNO_3	HCl	H_2SO_4	Other:	Other:	Other:	ANALYSIS REQUEST: See Attached
1506-201-01	Animas River Spring	6/22/15	1410	X						1	1						X

Relinquished By:	Date: 6/22/15 Time: 1430	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: 17°C on ice #9	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
2243 Main Ave, Suite 3
Durango, CO 81301
Laboratory PM: **Debbie Zufelt**
Phone:(970) 385-1096
Fax:-

LTE
6/22/2015

Project Name:	La Plata Springs	**Invoice To:**	LT Environmental
Project Number:	[none]	**Invoice Bid:**	(list pricing)
Client PM:	Ashley Ager	**Invoice Manager:**	Julie Linn
Comments:			

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

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

Methane Analysis Report
2015 Sampling

Client	
L T Environmental,Inc.	
2243 Main Avenue Suite 3	
Durango,CO 81301	
ATTN	
Devin Hencmann	

Report Date
6/23/2015

Project Name:	LaPlata County Spring Sampling
Project Number:	005215003
Report Date:	6/22/2015
Sampled By:	Daniel Newman

FCGeo #	**Sample Date**	**Site ID-Location**	**Sample Time**	**Results: *CH4***	***Limit***
			(Hrs)	***(mg/L)***	***(mg/L)***
062215-LB1	6/22/2015	Animas River Spring	14:10	<0.02	0.02
062215-LBK3	6/22/2015	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
ND- None Detected

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
Contact: Devin Hencmann
Address: 2243 main Ave Suite 3
City: Durango
State: Colorado Zip: 81301
Phone: 970 385-1096
Email: dhencmann@ltenv.com
Fax:

Project Name	La Plata Springs					
Project #	0652150003					
Collector's Name	Daniel Newman					
Matrix	Check One					
Groundwater	GW	X				
Surface Water	SW					
Domestic Well	DW					
Other						

Sample Identification	Date	Time	Matrix	# of Containers	Preservatives	ANALYSIS REQUIRED: Dissolved Methane							COMMENTS
1. Animas river Spring	6/22/15	1410	GW	3	Cool	X							062215-LB1 @LV
2.													
3.													
4.													
5.													
6.													
7.													

Chain of Custody Record	Signature	Company	Date	Time
Relinquished by:		LTE	6/22/15	1454
Received by:		FCGeo	6/22/15	1454
Relinquished by:				
Received by:				

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

17 June 2015

Devin Hencmann
LT Environmental
2243 Main Ave, Suite 3
Durango, CO 81301

RE: La Plata Springs

Enclosed are the results of analyses for samples received by the laboratory on 06/03/15 16:00.
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

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	
2243 Main Ave, Suite 3	Project Name / Number: La Plata Spring	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/17/15 09:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Gun Club Spring	1506026-01	Water	06/03/15 09:45	06/03/15 16:00

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

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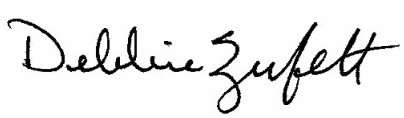
LT Environmental	Project: La Plata Springs	
2243 Main Ave, Suite 3	Project Name / Number: La Plata Spring	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/17/15 09:36

Gun Club Spring

1506026-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate*	**79.0**	10.0		mg/L	1	06/10/15	2320 B		JLM
Alkalinity, Carbonate*	<10.0	10.0		mg/L	1	06/10/15	2320 B		JLM
Alkalinity, Hydroxide*	<10.0	10.0		mg/L	1	06/10/15	2320 B		JLM
Alkalinity, Total*	**79.0**	10.0		mg/L	1	06/10/15	2320 B		JLM
Bromide	<5.00	5.00	3.65	mg/L	50	06/09/15	4500-Br- B		ABP
Chloride*	<100	100	50.0	mg/L	10	06/12/15	4500-Cl- C		LLG
Fluoride*	<0.250	0.250	0.0550	mg/L	1	06/12/15	4500-F- C		ABP
TDS*	**2460**	10.0		mg/L	1	06/09/15	EPA160.1		ABP
Sulfate	**1630**	500	84.0	mg/L	50	06/13/15	4500-SO42- E		ABP
Dissolved Metals by ICP									
Calcium*	**359**	0.200	0.028	mg/L	10	06/08/15	EPA200.7		JGS
Iron*	**20.6**	0.050	0.003	mg/L	1	06/08/15	EPA200.7		JGS
Magnesium*	**155**	0.100	0.032	mg/L	1	06/08/15	EPA200.7		JGS
Potassium*	**15.9**	1.00	0.335	mg/L	1	06/08/15	EPA200.7		JGS
Sodium*	**63.0**	1.00	0.305	mg/L	1	06/08/15	EPA200.7		JGS

Green Analytical Laboratories



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	
2243 Main Ave, Suite 3	Project Name / Number: La Plata Spring	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/17/15 09:36

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B506101 - General Prep - Wet Chem										
Blank (B506101-BLK1)				Prepared & Analyzed: 06/10/15						
Alkalinity, Total	ND	10.0	mg/L							
LCS (B506101-BS1)				Prepared & Analyzed: 06/10/15						
Alkalinity, Total	99.0	10.0	mg/L	100		99.0	85-115			
LCS Dup (B506101-BSD1)				Prepared & Analyzed: 06/10/15						
Alkalinity, Total	101	10.0	mg/L	100		101	85-115	2.00	20	
Batch B506104 - General Prep - Wet Chem										
Blank (B506104-BLK1)				Prepared & Analyzed: 06/09/15						
Bromide	ND	0.100	mg/L							
LCS (B506104-BS1)				Prepared & Analyzed: 06/09/15						
Bromide	0.574	0.100	mg/L	0.600		95.7	85-115			
LCS Dup (B506104-BSD1)				Prepared & Analyzed: 06/09/15						
Bromide	0.602	0.100	mg/L	0.600		100	85-115	4.74	20	
Batch B506121 - General Prep - Wet Chem										
Blank (B506121-BLK1)				Prepared & Analyzed: 06/12/15						
Fluoride	ND	0.250	mg/L							
LCS (B506121-BS1)				Prepared & Analyzed: 06/12/15						
Fluoride	0.949	0.250	mg/L	1.00		94.9	85-115			

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Debbie Zufelt

Debbie Zufelt, Reports Manager

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

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LT Environmental	Project: La Plata Springs	
2243 Main Ave, Suite 3	Project Name / Number: La Plata Spring	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/17/15 09:36

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B506121 - General Prep - Wet Chem										
LCS Dup (B506121-BSD1)				Prepared & Analyzed: 06/12/15						
Fluoride	0.920	0.250	mg/L	1.00		92.0	85-115	3.10	20	
Batch B506123 - General Prep - Wet Chem										
Blank (B506123-BLK1)				Prepared & Analyzed: 06/09/15						
TDS	ND	10.0	mg/L							
Duplicate (B506123-DUP1)	**Source: 1506025-01**			Prepared & Analyzed: 06/09/15						
TDS	520	10.0	mg/L		520			0.00	20	
Reference (B506123-SRM1)				Prepared & Analyzed: 06/09/15						
TDS	620	10.0	mg/L	590		105	85-115			
Batch B506127 - General Prep - Wet Chem										
Blank (B506127-BLK1)				Prepared & Analyzed: 06/12/15						
Chloride	ND	10.0	mg/L							
LCS (B506127-BS1)				Prepared & Analyzed: 06/12/15						
Chloride	93.0	10.0	mg/L	100		93.0	85-115			
LCS Dup (B506127-BSD1)				Prepared & Analyzed: 06/12/15						
Chloride	104	10.0	mg/L	100		104	85-115	11.2	20	
Batch B506141 - General Prep - Wet Chem										
Blank (B506141-BLK1)				Prepared & Analyzed: 06/13/15						
Sulfate	ND	10.0	mg/L							

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Debbie Zufelt

Debbie Zufelt, Reports Manager

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

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LT Environmental	Project: La Plata Springs	
2243 Main Ave, Suite 3	Project Name / Number: La Plata Spring	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/17/15 09:36

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B506141 - General Prep - Wet Chem										
LCS (B506141-BS1)				Prepared & Analyzed: 06/13/15						
Sulfate	53.4	10.0	mg/L	50.0		107	85-115			
LCS Dup (B506141-BSD1)				Prepared & Analyzed: 06/13/15						
Sulfate	52.4	10.0	mg/L	50.0		105	85-115	1.89	20	

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Debbie Zufelt

Debbie Zufelt, Reports Manager

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

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LT Environmental	Project: La Plata Springs	
2243 Main Ave, Suite 3	Project Name / Number: La Plata Spring	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/17/15 09:36

Dissolved Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B506065 - Dissolved Metals, E200.7/E200.8										
Blank (B506065-BLK1)				Prepared & Analyzed: 06/08/15						
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 (B506065-BS1)				Prepared & Analyzed: 06/08/15						
Calcium	4.81	0.020	mg/L	5.00		96.3	85-115			
Iron	4.93	0.050	mg/L	5.00		98.6	85-115			
Magnesium	25.4	0.100	mg/L	25.0		102	85-115			
Potassium	9.92	1.00	mg/L	10.0		99.2	85-115			
Sodium	7.84	1.00	mg/L	8.10		96.8	85-115			
LCS Dup (B506065-BSD1)				Prepared & Analyzed: 06/08/15						
Calcium	4.79	0.020	mg/L	5.00		95.7	85-115	0.547	20	
Iron	4.93	0.050	mg/L	5.00		98.6	85-115	0.0522	20	
Magnesium	25.2	0.100	mg/L	25.0		101	85-115	0.591	20	
Potassium	9.84	1.00	mg/L	10.0		98.4	85-115	0.777	20	
Sodium	7.78	1.00	mg/L	8.10		96.0	85-115	0.808	20	

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

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LT Environmental	Project: La Plata Springs	
2243 Main Ave, Suite 3	Project Name / Number: La Plata Spring	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/17/15 09:36

Notes and Definitions

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

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

CHAIN OF CUSTODY RECORD

Page 1 of 1

GAL Analytical Laboratories

Client: LT Environmental, Inc
Contact: Devin Hencmann
Address: 2243 Main #3
Durango, CO 81301
Phone Number: (970) 385-1096
Email: DHencmann@LTEnv.com

NOTES:
1) Ensure proper container packaging.
2) Ship samples promptly following collection.
3) Designate Sample Reject Disposition.

PO# 005215003
Project Name: La Plata Spring

Table 1. – Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Prod.W., 5 = Oil
6 = Waste, 7 = Other (Specify) ____

FOR GAL USE ONLY
GAL JOB # 1506-026

Samplers Signature:

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227
Address: 75 Suttle Street, Durango, CO 81303 www.greenanalytical.com

Sample ID	Collection: Date	Collection: Time	Misc: Collected by: (Init.)	Misc: Matrix Type From Table 1	Misc: No. of Containers	Misc: Sample Filtered ? Y/N	Preservative(s): Unpreserved (Ice Only)	Preservative(s): HNO3	Preservative(s): HCL	Preservative(s): H2SO4	Preservative(s): NAOH	Preservative(s): Other (Specify)	Analyses Required: See Attached	Comments
1. Gun Club Spring	6-3-15	0945	DN	1	2	N							X	on ice @ 15.6°C
2.														
3.														
4.														
5.														
6.														
7.														
8.														
9.														
10.														

Relinquished by:	Date: 6-3-15	Time: 1600	Received by:	Date: 6-3-15	Time: 16:00
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

* Sample Reject: [ ] Return [ ] Dispose [ ] Store (30 Days)

Project Information

LT Environmental
2243 Main Ave, Suite 3
Durango, CO 81301
Laboratory PM: **Debbie Zufelt**
Phone:(970) 385-1096
Fax:-

LTE
4/20/2015

Project Name:	La Plata Springs 6	**Invoice To:**	LT Environmental
Project Number:	[none]	**Invoice Bid:**	(list pricing)
Client PM:	Ashley Ager	**Invoice Manager:**	Julie Linn
Comments:			

Analysis	Comment
Alkalinity, Bicarbonate	General 500
Alkalinity, Carbonate	Metals 250 no acid) x6
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
2015 Sampling

Client	
L T Environmental,Inc.	
2243 Main Avenue Suite 3	
Durango,CO 81301	

Report Date
6/9/2015

Project Name:	LaPlata County Spring Sampling
Project Number:	005215003
Report Date:	6/4/2015
Sampled By:	Daniel Newman

FCGeo #	**Sample Date**	**Site ID-Location**	**Sample Time**	**Results: *CH4***	***Limit***
			(Hrs)	***(mg/L)***	***(mg/L)***
060315LB4	6/3/2015	Gun Club Spring	9:45	2.50	0.02
060315-LBK4	6/3/2015	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
ND- None Detected

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 Environment, Inc.
Contact: Devin Hencmann
Address: 2243 Main #3
City: Durango, C
State: CO Zip: 81301
Phone: (970) 385-1096
Email: ~~mwic~~ DHencmann@LTEnv.com
Fax:
Michael Wicker

Project Name	La Plata Spring					
Project #	005215003					
Collector's Name	Daniel Newman					
Matrix	Check One					
Groundwater	GW					
Surface Water	SW	✓				
Domestic Well	DW					
Other						

Sample Identification	Date	Time	Matrix	# of Containers	Preservatives	ANALYSIS REQUIRED: CH4 Dissolved							COMMENTS
1. Gun Club Spring	6-3-15	0945	SW	3	Cool	X							turbid. blk. sol. ABNT-sediment (black)
2.													060315-LB4
3.													
4.													
5.													
6.													
7.													

Chain of Custody Record	Signature	Company	Date	Time
Relinquished by:		LT Environmental, Inc.	6-3-15	15:19
Received by:		FCGEO	6-3-15	15:19
Relinquished by:				
Received by:				

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

06 June 2015

Devin Hencmann
LT Environmental
2243 Main Ave, Suite 3
Durango, CO 81301

RE: La Plata Springs

Enclosed are the results of analyses for samples received by the laboratory on 05/20/15 16:15.
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/

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

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LT Environmental	Project: La Plata Springs	
2243 Main Ave, Suite 3	Project Name / Number: La Plata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/06/15 11:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Hoier Spring	1505186-01	Water	05/20/15 11:30	05/20/15 16:15
Darwin Rather Spring	1505186-02	Water	05/20/15 13:30	05/20/15 16:15

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

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LT Environmental	Project: La Plata Springs	
2243 Main Ave, Suite 3	Project Name / Number: La Plata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/06/15 11:42

Hoier Spring

1505186-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate*	**100**	10.0		mg/L	1	05/21/15	2320 B		ACH
Alkalinity, Carbonate*	<10.0	10.0		mg/L	1	05/21/15	2320 B		ACH
Alkalinity, Hydroxide*	<10.0	10.0		mg/L	1	05/21/15	2320 B		ACH
Alkalinity, Total*	**100**	10.0		mg/L	1	05/21/15	2320 B		ACH
Bromide	<1.00	1.00	0.730	mg/L	10	05/22/15	4500-Br- B		ABP
Chloride*	<10.0	10.0	5.00	mg/L	1	05/21/15	4500-Cl- C		ACH
Fluoride*	<0.250	0.250	0.0550	mg/L	1	06/05/15	4500-F- C		ABP
TDS*	**135**	10.0		mg/L	1	05/27/15	EPA160.1		ABP
Sulfate	<10.0	10.0	1.68	mg/L	1	06/01/15	4500-SO42- E		ABP
Dissolved Metals by ICP									
Calcium*	**22.1**	0.020	0.003	mg/L	1	05/27/15	EPA200.7		JGS
Iron*	**0.440**	0.050	0.003	mg/L	1	05/27/15	EPA200.7		JGS
Magnesium*	**10.2**	0.100	0.032	mg/L	1	05/27/15	EPA200.7		JGS
Potassium*	**1.27**	1.00	0.335	mg/L	1	05/27/15	EPA200.7		JGS
Sodium*	**7.54**	1.00	0.305	mg/L	1	05/27/15	EPA200.7		JGS

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	
2243 Main Ave, Suite 3	Project Name / Number: La Plata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/06/15 11:42

Darwin Rather Spring

1505186-02 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate*	**166**	10.0		mg/L	1	05/21/15	2320 B		ACH
Alkalinity, Carbonate*	<10.0	10.0		mg/L	1	05/21/15	2320 B		ACH
Alkalinity, Hydroxide*	<10.0	10.0		mg/L	1	05/21/15	2320 B		ACH
Alkalinity, Total*	**166**	10.0		mg/L	1	05/21/15	2320 B		ACH
Bromide	**0.342**	0.100	0.0730	mg/L	1	05/22/15	4500-Br- B		ABP
Chloride*	**27.0**	10.0	5.00	mg/L	1	05/21/15	4500-Cl- C		ACH
Fluoride*	<0.250	0.250	0.0550	mg/L	1	06/05/15	4500-F- C		ABP
TDS*	**215**	10.0		mg/L	1	05/27/15	EPA160.1		ABP
Sulfate	**28.8**	10.0	1.68	mg/L	1	06/01/15	4500-SO42- E		ABP
Dissolved Metals by ICP									
Calcium*	**52.7**	0.020	0.003	mg/L	1	05/27/15	EPA200.7		JGS
Iron*	**0.301**	0.050	0.003	mg/L	1	05/27/15	EPA200.7		JGS
Magnesium*	**17.3**	0.100	0.032	mg/L	1	05/27/15	EPA200.7		JGS
Potassium*	**1.14**	1.00	0.335	mg/L	1	05/27/15	EPA200.7		JGS
Sodium*	**7.62**	1.00	0.305	mg/L	1	05/27/15	EPA200.7		JGS

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	
2243 Main Ave, Suite 3	Project Name / Number: La Plata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/06/15 11:42

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B505185 - General Prep - Wet Chem										
Blank (B505185-BLK1)				Prepared & Analyzed: 05/21/15						
Alkalinity, Total	ND	10.0	mg/L							
LCS (B505185-BS1)				Prepared & Analyzed: 05/21/15						
Alkalinity, Total	105	10.0	mg/L	100		105	85-115			
LCS Dup (B505185-BSD1)				Prepared & Analyzed: 05/21/15						
Alkalinity, Total	104	10.0	mg/L	100		104	85-115	0.957	20	
Batch B505209 - General Prep - Wet Chem										
Blank (B505209-BLK1)				Prepared & Analyzed: 05/21/15						
Chloride	ND	10.0	mg/L							
LCS (B505209-BS1)				Prepared & Analyzed: 05/21/15						
Chloride	107	10.0	mg/L	100		107	85-115			
LCS Dup (B505209-BSD1)				Prepared & Analyzed: 05/21/15						
Chloride	105	10.0	mg/L	100		105	85-115	1.89	20	
Batch B505212 - General Prep - Wet Chem										
Blank (B505212-BLK1)				Prepared & Analyzed: 05/22/15						
Bromide	ND	0.100	mg/L							
LCS (B505212-BS1)				Prepared & Analyzed: 05/22/15						
Bromide	0.601	0.100	mg/L	0.600		100	85-115			

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LT Environmental	Project: La Plata Springs	
2243 Main Ave, Suite 3	Project Name / Number: La Plata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/06/15 11:42

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B505212 - General Prep - Wet Chem										
LCS Dup (B505212-BSD1)				Prepared & Analyzed: 05/22/15						
Bromide	0.601	0.100	mg/L	0.600		100	85-115	0.00	20	
Batch B506001 - General Prep - Wet Chem										
Blank (B506001-BLK1)				Prepared & Analyzed: 06/05/15						
Fluoride	ND	0.250	mg/L							
LCS (B506001-BS1)				Prepared & Analyzed: 06/05/15						
Fluoride	0.977	0.250	mg/L	1.00		97.7	85-115			
LCS Dup (B506001-BSD1)				Prepared & Analyzed: 06/05/15						
Fluoride	0.993	0.250	mg/L	1.00		99.3	85-115	1.62	20	
Batch B506008 - General Prep - Wet Chem										
Blank (B506008-BLK1)				Prepared & Analyzed: 06/01/15						
Sulfate	ND	10.0	mg/L							
LCS (B506008-BS1)				Prepared & Analyzed: 06/01/15						
Sulfate	54.3	10.0	mg/L	50.0		109	85-115			
LCS Dup (B506008-BSD1)				Prepared & Analyzed: 06/01/15						
Sulfate	48.4	10.0	mg/L	50.0		96.8	85-115	11.4	20	
Batch B506010 - General Prep - Wet Chem										
Blank (B506010-BLK1)				Prepared & Analyzed: 05/27/15						
TDS	ND	10.0	mg/L							

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LT Environmental	Project: La Plata Springs	
2243 Main Ave, Suite 3	Project Name / Number: La Plata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/06/15 11:42

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B506010 - General Prep - Wet Chem										
Duplicate (B506010-DUP2)		**Source: 1505197-01**		Prepared & Analyzed: 05/27/15						
TDS	195	10.0	mg/L		200			2.53	20	
Reference (B506010-SRM1)				Prepared & Analyzed: 05/27/15						
TDS	405	10.0	mg/L	440		92.0	85-115			

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

LT Environmental	Project: La Plata Springs	
2243 Main Ave, Suite 3	Project Name / Number: La Plata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/06/15 11:42

Dissolved Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B505207 - Dissolved Metals, E200.7/E200.8										
Blank (B505207-BLK1)				Prepared: 05/26/15 Analyzed: 05/27/15						
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 (B505207-BS1)				Prepared: 05/26/15 Analyzed: 05/27/15						
Calcium	4.86	0.020	mg/L	5.00		97.1	85-115			
Iron	5.00	0.050	mg/L	5.00		100	85-115			
Magnesium	25.6	0.100	mg/L	25.0		103	85-115			
Potassium	9.71	1.00	mg/L	10.0		97.1	85-115			
Sodium	7.88	1.00	mg/L	8.10		97.3	85-115			
LCS Dup (B505207-BSD1)				Prepared: 05/26/15 Analyzed: 05/27/15						
Calcium	4.86	0.020	mg/L	5.00		97.1	85-115	0.0459	20	
Iron	4.99	0.050	mg/L	5.00		99.8	85-115	0.244	20	
Magnesium	25.7	0.100	mg/L	25.0		103	85-115	0.183	20	
Potassium	9.64	1.00	mg/L	10.0		96.4	85-115	0.699	20	
Sodium	7.87	1.00	mg/L	8.10		97.1	85-115	0.205	20	

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LT Environmental	Project: La Plata Springs	
2243 Main Ave, Suite 3	Project Name / Number: La Plata Springs	**Reported:**
Durango CO, 81301	Project Manager: Devin Hencmann	06/06/15 11:42

Notes and Definitions

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

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

CHAIN OF CUSTODY RECORD

Page 1 of 1

Green Analytical Laboratories

Client: LT Environmental
Contact: Devin Hencmann
Address: 2243 Main Ave
Durango, CO 81301
Phone Number: 970-385-1096
Email: dhencmann@ltenv.com

NOTES:
1) Ensure proper container packaging.
2) Ship samples promptly following collection.
3) Designate Sample Reject Disposition.
PO#
Project Name: LaPlata Springs
Samplers Signature:

Table 1. – Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Prod.W., 5 = Oil
6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY
GAL JOB # 1505-186

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227
Address: 75 Suttle Street, Durango, CO 81303 www.greenanalytical.com

Sample ID	Collection: Date	Collection: Time	Misc: Collected by: (Init.)	Misc: Matrix Type From Table 1	Misc: No. of Containers	Misc: Sample Filtered ? Y/N	Preservative(s): Unpreserved (Ice Only)	Preservative(s): HNO3	Preservative(s): HCL	Preservative(s): H2SO4	Preservative(s): NAOH	Preservative(s): Other (Specify)	Analyses Required: See attached	Comments
1. Hoier Spring	5/20/15	1130	DH	1	2	N	✓						X	13°C #9 on ice
2. Darwin Rather Spring	5/20/15	1330	DH	1	2	✓	✓						X	
3.														
4.														
5.														
6.														
7.														
8.														
9.														
10.														

Relinquished by:	Date: 5/20/15	Time: 1615	Received by: Michael Valentine	Date: 5-20-15	Time: 1615
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

* Sample Reject: [ ] Return [ ] Dispose [ ] Store (30 Days)

Project Information

LT Environmental
2243 Main Ave, Suite 3
Durango, CO 81301
Laboratory PM: **Debbie Zufelt**
Phone:(970) 385-1096
Fax:-

LTE
4/20/2015

Project Name:	La Plata Springs 6	**Invoice To:**	LT Environmental
Project Number:	[none]	**Invoice Bid:**	(list pricing)
Client PM:	Ashley Ager	**Invoice Manager:**	Julie Linn
Comments:			

Analysis	Comment
Alkalinity, Bicarbonate	General 500
Alkalinity, Carbonate	
Alkalinity, Hydroxide	
Alkalinity, Total	Metals 250 no acid) x6
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.	
2243 Main Avenue Suite 3	
Durango,CO 81301	
Sam LaRue	
970-619-0936	
Project Name:	LaPlata County Springs
Project Number:	005215003 Task #4
Report Date:	5/7/2015
Sampled By:	Devin Henemann

FCGeo #	**Sample Date**	**Sample Time**	**Site ID-Location**	**Results:**	
		(Hrs)		***CH4***	***Limit***
				(mg/L)	***(mg/L)***
052015-LB5	5/20/2015	11:30	Hoier Spring	**1.41**	0.02
052014-LB6	5/20/2015	13:30	Darwin Rather Spring	**<0.02**	0.02
					0.02
052015-LBK5		NA	LAB BLANK	<0.02	0.02
052015-LBK6		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-(duplicated runs if received from techs.

Analyst: 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
Contact: Devin Henemann
Address: 2243 Main Ave Suite 3
City: Durango
State: Colorado Zip: 81301
Phone: 970-385 1096
Email: dhenemann@ltenv.com
Fax:

Project Name	La Plata Springs					
Project #	005215003 Task #4					
Collector's Name	Devin Henemann					
Matrix	Check One					
Groundwater	GW					
Surface Water	SW	X				
Domestic Well	DW					
Other						

Sample Identification	Date	Time	Matrix	# of Containers	Preservatives	ANALYSIS REQUIRED							COMMENTS
						CH_4 dissolved							FCGEO #
1. Hoier spring	5/20/15	1130	SW	3		X							052015-LB5
2. Darwin Rather spring	5/20/15	1330	SW	3		X							052015-LB6
3.													
4.													
5.													
6.													
7.													

Chain of Custody Record	Signature	Company	Date	Time
Relinquished by:		LT Environmental	5/20/15	1525
Received by:		FCGEO	5/20/15	1525
Relinquished by:				
Received by:				

Michael Wicker.