

2008 FRUITLAND OUTCROP MONITORING REPORT

LA PLATA COUNTY COLORADO



MARCH 2009



Prepared for:

**THE GROUP
Durango, Colorado**



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Prepared for:

**THE GROUP
Durango, Colorado**

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EXECUTIVE SUMMARY

Since 1997, LT Environmental, Inc. (LTE) has conducted methane seep monitoring on the Fruitland Formation (Kf) outcrop north of the Southern Ute Indian Tribe (SUIT) Reservation boundary in La Plata County, Colorado. The study area is located along the northern rim of the San Juan Basin. The objective of the 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 accurate means to characterize subsurface gas seepage, if any, in the project area by inspecting those areas with the greatest potential for seeps based on geological characteristics.

The field methods of the monitoring program include detailed methane seep mapping in known seep areas; regional reconnaissance along the entire outcrop using infrared imagery (IR) and field verification (pedestrian survey) once every three years; and a yearly survey of natural springs along the Kf outcrop.

During the 2008 monitoring event, LTE used a West Systems, LLC portable flux meter capable of detecting the presence of methane, carbon dioxide, and hydrogen sulfide at very low levels. This is the second time that the flux meter was used to conduct detailed mapping on the Kf outcrop. The area surveyed using the flux meter in 2008 was greatly increased over the previous year to include the Horse Gulch area between Carbon Junction and Florida River at the request of the Colorado Oil and Gas Conservation Commission (COGCC). Regional reconnaissance using the IR imagery, two natural spring sampling events, and an abandoned production well soil gas survey were also included as part of the 2008 monitoring event.

DETAILED FLUX MAPPING

The 2008 detailed flux mapping was performed during the period from June 2, 2008 through September 25, 2008. The 1,951 acres mapped in 2008, was substantially greater than the 554 acres mapped in 2007. The increase in mapping area was established to address observed increases in gas pressure at several COGCC monitoring wells near the Horse Gulch area of the Kf outcrop and recent requests for infill drilling directly down-dip of the Horse Gulch area.

Results of the detailed mapping activities indicate that methane continues to seep in the same areas along the Kf outcrop in La Plata County north of the SUIT boundary.

The highest individual methane mass flux value was recorded in the South Fork Texas Creek (SFTC) area. The Pine River area exhibited the highest total volumetric flux. The total estimated volumetric flux for the 1,951 acres of the Kf outcrop mapped in 2008 was approximately 5,355 thousand cubic feet per day (MCFD).

Measurable carbon dioxide flux values were recorded at 95 percent (%) of the sample locations during 2008. It is reasonable to assume that carbon dioxide seepage exists within all portions of the project area, including areas where methane seepage does not exist. Data also indicate that carbon dioxide flux values are higher in areas of measured methane seepage.

Measurable hydrogen sulfide flux values detected within the project area were very low and are not considered to be a threat to human health.

In 2007, LTE estimated the total methane flux over the entire Kf outcrop in La Plata County north of the SUIT Reservation boundary at 7,125 MCFD. This value was based on actual measurements as well as extrapolating measured fluxes to inaccessible areas due to private landowner access issues. Without the extrapolation of data, the total methane flux was estimated to be 6,120 MCFD. LTE now believes that, due to the variable nature of the methane seepage within the known seep areas, extrapolating values obtained within measured areas into areas where access was not granted is not appropriate. The uncertainty involved in this estimation method is too great and can generally provide misleading results.

In 2008, LTE increased the detailed mapped area to 1,951 acres (more than 3.5 times the previous mapping area) covering nearly all of the known active methane seepage areas in La Plata County. Therefore, with the exception of the private lands that were inaccessible, particularly in prominent active seep areas including SFTC and Pine River, substantially most of the expected flux area was deemed to be included in 2008. The total estimated volumetric methane flux for the mapped areas is 5,355 MCFD.

REGIONAL RECONNAISSANCE

Regional reconnaissance of suspect areas identified in the IR imagery was performed following the completion of detailed mapping activities in October 2008. The number of suspect areas identified during the 2008 regional reconnaissance decreased as compared to the 2005 regional reconnaissance event. This is mainly due to the incorporation of the upland area north of Basin Creek, the upland area west of Florida River, the upland areas near Vosburg Pike, the Horse Gulch areas, into the detailed flux mapping effort. In addition, LTE's ability to discern suspect areas on the IR imagery and the findings of the previous regional reconnaissance surveys have also decreased the number of suspect areas that require field verification.

Thirty-one suspect areas were identified in the 2008 IR imagery. Of the 16 suspect areas that were accessible and field-verified, none had a measureable concentration of subsurface methane. Four inspected suspect areas were co-located with 2005 suspect areas. All four of these suspect areas showed no indication of subsurface methane in 2005 and 2008. Most 2008 field observations of suspect areas indicate that stressed vegetation may be due largely to poorly developed soil conditions on the Kf outcrop.

During the course of the 2008 monitoring program, LTE was introduced to Airborne Natural Gas Emission Lidar (ANGEL) data by ITT Corporation (ITT) as a means to conduct the regional reconnaissance of the Kf outcrop for methane seepage. During the evaluation of this technology, it was determined that LTE's field methods of detailed mapping and the regional reconnaissance efforts were highly reliable and consistent with the findings of the ANGEL data.

From our assessment, it is clear that the ANGEL technology is superior to the current regional reconnaissance technology and can identify areas with the potential to exhibit methane seepage with greater ease and accuracy. But, the ANGEL technology is not without its limitations and



has been shown to identify false positives and false negatives, is highly influenced by wind and moisture, still requires field verification, and cannot quantify the methane seepage flux rate.

ANGEL data from the entire outcrop in La Plata County have been acquired by the SUIT and may be obtained for a fee for use in confirming LTE's historic monitoring results. However, based on our observations of a portion of the ANGEL data obtained by Chevron for the western portion of the mapping area, LTE has concluded that the findings in other areas of the outcrop would likely be similar to those demonstrated over the past 10 years. It is our understanding that the ANGEL technology costs are significantly higher than those incurred using the current regional reconnaissance IR imagery method. Therefore, LTE questions the viability and usefulness of the ANGEL data to The Group.

NATURAL SPRINGS MONITORING

Six natural springs were accessible for sampling in 2008. At the request of the COGCC, the springs were sampled in both the Spring and Fall of 2008 to observe any seasonal changes in water quality that may be present. Five natural springs were sampled in June 2008, while six were sampled in October 2008. The dissolved methane concentration in each of the water samples was below the laboratory method detection limit of 0.02 milligrams per liter (mg/L). Past results of methane concentrations also indicated low or no methane in natural springs waters.

General water chemistry analyses were performed for the first time in 2008. Major ion concentrations indicate that all natural spring waters exhibit a calcium bicarbonate character.

Natural springs discharge rates were measured at the time of sampling. Discharge rates were generally low, within ranges of past measurements and without an apparent seasonal trend. One measured discharge rate was anomalously high, and may reflect an error in measurement.

During the October 2008 sampling event, subsurface soil gas was measured at three natural springs. Methane was not detected.

ABANDONED PRODUCTION WELL SOIL GAS SURVEYS

At the recommendation of the COGCC, the areas surrounding three abandoned production wells were inspected for subsurface methane. No methane was detected at any of the abandoned production wells.

RECOMMENDATIONS

Based on the results of the 2008 Kf outcrop monitoring event, LTE recommends the following:

- Conduct detailed methane seep mapping and flux estimation using the portable flux meter in June 2009. LTE will return to the sample locations visited during the 2008 field activities with the exception of the Horse Gulch mapping area. With no methane detected in additional suspect areas, the extent of flux mapping will be similar to the 2007 effort;

- Conduct natural springs sampling during Spring 2009 to continue to build the database and assess any changes in the number of springs, the flow rates, and/or the chemistry of natural springs;
- Conduct the next regional reconnaissance IR aerial survey in 2011; and
- Continue to evaluate the viability of the ANGEL technology including a cost-benefit analysis.

SECTION 1.0

INTRODUCTION

Since 1997, LTE Environmental, Inc. (LTE) has conducted methane seep monitoring on the Fruitland Formation (Kf) outcrop in La Plata County, Colorado (Figures 1A and 1B). The study area is located along the north rim of the San Juan Basin, north of the Southern Ute Indian Tribe (SUIT) Reservation boundary.

This monitoring program is being conducted on behalf of Chevron Corporation (Chevron), BP, Inc. (BP), XTO Energy, Inc. (XTO), the Colorado Oil and Gas Conservation Commission (COGCC), the Bureau of Land Management (BLM), and La Plata County. These organizations are collectively referred to as “The Group”.

1.1 OBJECTIVE

The objective of the 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 accurate means to characterize subsurface gas seepage, if any, in the project area by inspecting those areas with the greatest potential for seeps based on geological characteristics.

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 1B).

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 in 1995, on behalf of several oil and gas operators and with assistance of the BLM. The survey consisted of over 1,100 surface and subsurface methane sample points. This survey identified four additional primary methane gas seepage areas besides Pine River, 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 that time, and ongoing monitoring of the points by the BLM. The probes are sampled by the BLM approximately six times per year;
- Installation and monitoring of six flux chambers in the primary seep areas from 1998 to 2005. The gas flux chamber measured gas flow on 10-minute intervals;

- Annual pedestrian reconnaissance surveys of the outcrop by LTE from 1998 through 2001;
- Flux chamber system modifications, detailed seep mapping, and infrared imagery (IR) pilot study performed in August 2002. The pilot study demonstrated that IR imagery is useful in identifying suspect areas based on vegetation impacts, which can be subsequently field verified for the presence or absence of methane;
- Detailed seep mapping in the known seep areas in October 2002, May 2003, May 2004, June 2005, May 2006, and September 2007;
- Regional reconnaissance of the 23-mile section of Kf outcrop in the project area in July 2003 and September 2005. The regional reconnaissance included the collection of infrared imagery, identification of suspect areas, and field verification;
- Natural spring survey of the 23-mile outcrop in La Plata County, north of the SUIT Reservation boundary, in September 2005, May 2006, and October 2007; and
- Private Airborne Natural Gas Emission Lidar (ANGEL) data acquisition by ITT Corporation (ITT) during the Summer 2008.

1.4 SCOPE OF WORK

The investigation scope of work included the following tasks: 1) obtaining permission to access private properties; 2) detailed seep mapping at eight key areas of interest; 3) identifying areas of distressed vegetation by aerial IR reconnaissance and field-verifying conditions in those areas; 4) monitoring natural springs in both Spring and Fall conditions; 5) measuring subsurface soil gas at three abandoned gas wells; and 6) preparing this report.

1.5 ORGANIZATION OF THE REPORT

This report is organized into eight sections, including this introduction, which presents the objectives of the study and discusses background information related to the project. The field methods and equipment are described in Section 2.0. Section 3.0 summarizes the results of the detailed flux mapping. Section 4.0 describes the results of the regional reconnaissance task. The natural springs monitoring results are presented in Section 5.0. Section 6.0 presents the results of the abandoned wells soil methane monitoring. Section 7.0 presents the conclusions of this survey and recommendations. Section 8.0 lists the report references. Tables, figures and appendices follow the text in separate sections.



SECTION 2.0

DATA COLLECTION METHODS

2.1 DETAILED MAPPING

2.1.1 Flux Measurements

The flux of soil gases moving across the soil surface to the atmosphere was measured using a West Systems, LLC (West Systems) portable gas flux meter. The flux meter has been used to measure soil gas seepage on the Kf outcrop since 2007. The flux meter measures methane, hydrogen sulfide, and carbon dioxide by employing individual gas-specific sensors. The flux meter records the increases, if any, of gas concentrations over time for a given surface area. These increases are proportional to the flux of each gas. The result for each gas is reported as the mass flux in units of moles per square meter per day ($\text{moles}/\text{m}^2\cdot\text{day}$). Conversion to a volumetric flux can be calculated based on the molecular weight and density of the gas. Information on the West Systems portable gas flux meter is provided in Appendix A.

The flux meter components include an accumulation chamber connected by circulation tubes to the gas detector unit. At each sampling point, the accumulation chamber was placed on the ground surface to capture gas seeping from the ground. To ensure a proper seal between the ground surface and the chamber, LTE personnel chose relatively flat surfaces where possible and placed soil around the base of the chamber to reduce the potential for gas to seep out the base of the chamber. LTE attempted to minimize ground disturbance during the measurement process in order to maintain the natural seep conditions. A fan in the chamber continuously mixes the gases in the chamber during the measurement process.

A pump moves gases in the accumulation chamber to the detector unit. After passing through the detector unit, gases are returned to the chamber. This closed loop process allows soil gases discharging to the chamber to increase over time. Any increases in concentrations are measured and recorded automatically. No gas is allowed to escape the system. A vacuum is not created during the process. This enables measurement of natural seep conditions, if present.

Flux measurement accuracy can be limited by surface conditions. One of the most important factors is the quality of the seal between the accumulation chamber base and the ground surface. In areas with heterogeneous surfaces, the seal was sometimes difficult to achieve. This scenario was evident at locations with poorly developed soil or the soil surface is obscured by decayed organic matter on the forest floor.

The methane sensor within the flux meter unit has a full-scale range of 50,000 parts per million (ppm), with a detection limit of 60 ppm. The flux meter methane measurement range is 0.2 to 300 $\text{moles}/\text{m}^2\cdot\text{day}$. Methane fluxes below 0.2 $\text{moles}/\text{m}^2\cdot\text{day}$ are detectable and reported, although with decreased accuracy.

The carbon dioxide sensor has a full-scale range of 20,000 parts per million (ppm) by volume (ppmV) and flux measurement range of zero to 600 $\text{moles}/\text{m}^2\cdot\text{day}$ at an accuracy of $\pm 25\%$.

The hydrogen sulfide detector has a full-scale range of 20 ppm and a flux measurement range of 0.0025 to 0.5 moles/m²·day at an accuracy of ±25%. The sensor is an electrochemical cell that measures hydrogen sulfide through a chemical oxidation process. The sensing process consumes a small amount of the hydrogen sulfide, which is not returned to the West System's accumulation chamber. Therefore, the flux meter can underestimate hydrogen sulfide flux by as much as 10%.

During the measurement process, gas concentrations are recorded at one-second intervals and directly downloaded via Bluetooth[®] connection to either an Acer[®] 300 portable digital assistant (PDA) or a PDA integrated into the Trimble GeoXT[®] global positioning system (GPS) unit (described below). Other measurements recorded include barometric pressure, temperature, date, and time.

Integrated West Systems Flux Manager[®] software on the GPS unit recorded the gas measurement data. The software plots the curve of gas concentration versus time for each measurement collected. LTE selected the best-fit line for the curve generated. The slope of the best-fit line is proportional to the flux at the measurement point.

The flux meter was used for the detailed mapping portion of this project at eight Kf outcrop locations in La Plata County comprising 1,951 acres of land area: Basin Creek, Carbon Junction, Horse Gulch, Florida River, Vosburg Pike, Texas Creek, BP Highlands, and Pine River.

2.1.2 Subsurface Soil Gas Measurements

Traditional mapping methods using a slide-hammer, GPS, and four-gas meter were utilized during the regional reconnaissance, natural spring sampling, and abandoned well investigation phases of the project.

LTE used a Mine Safety Appliances (MSA) GasPort[®] multi-gas meter to measure the concentrations of methane, carbon monoxide, hydrogen sulfide, and oxygen in subsurface soil gas. The MSA GasPort[®] is capable of detecting methane in concentrations from 0 to 100%. Oxygen concentrations are measureable from 0 to 25%, and carbon monoxide from 0 to 1,000 ppm. Hydrogen sulfide concentrations are detectable from 0 to 100 ppm. Specifications for the meter are included in Appendix A.

Subsurface soil gas measurements were collected by using a hand-driven slide hammer to drive a ½-inch diameter steel rod into the ground to depths ranging from 1 foot below ground surface (bgs) to 3 feet bgs. Occasionally, advancement of boreholes in consolidated outcrop materials was limited. Where probe refusal occurred, measurements were taken at the depth bored.

The rod was removed from the ground and ¼-inch diameter polyethylene tubing was inserted into the borehole. The tubing was perforated at the bottom 6-inches to allow soil gas to enter the tubing. Once the temporary tubing was in place and the borehole was sealed with native soil, LTE attached the MSA GasPort[®] to the tubing. The meter's internal pump pulled gas from the soil, through the tubing, and into the meter's gas sensors.

LTE recorded the maximum concentrations of methane, carbon monoxide, and hydrogen sulfide; and the minimum concentration of oxygen at each sampling location. Data were recorded in the Trimble GeoXT[®] GPS equipment.

2.2 GLOBAL POSITIONING SYSTEM DATA MANAGEMENT

LTE used a grid mapping system to conduct the detailed seep mapping during the 2008 monitoring event. The grid mapping system has proven to be systematic, consistent, and successful in delineating the areal extent of seepage.

Mapping grids were created in ArcView[®] and covered all portions of the Kf outcrop in the known seepage areas. Grids for detailed mapping areas consisted of varying numbers of squares, ranging in area from 2,500 square feet (ft²) to 40,000 ft². The smaller grid spacing was used to map known methane seep areas of relatively small extent.

LTE collected a flux measurement at the corner of each grid square. When methane was detected along the outer edges of the grid, additional grid points were developed and measured to determine the extent of methane seepage.

Each sample location was recorded using a GPS unit. Specifications of the GPS unit are included in Appendix A. Soil gas sampling grids were pre-loaded into the GPS unit so field personnel could quickly and accurately position detection equipment. Soil gas measurements and other relevant field data were then stored as attributes in the GPS unit along with the associated location data. The data stored in the GPS unit were later downloaded for processing and reporting.

Readings collected with the GPS unit can be located with one-meter accuracy. However, the terrain along the Kf outcrop can adversely impact GPS unit accuracy. North-facing slopes and heavily wooded areas can distort or block satellite signals. When satellite signals are limited, positioning accuracy decreases. In locations where the GPS unit could not obtain a signal, LTE field personnel noted measurement data on their field reference maps.

The GPS unit location data were collected in the World Geodetic System 1984 (WGS 84) and projected in Universal Transverse Mercator (UTM) Zone 13 North, North American Datum 1983 (NAD 83) for use in an ArcView[®] project file. On average, 25 GPS log points were collected for each point feature in order to obtain more accurate positioning.

2.3 REGIONAL RECONNAISSANCE

IR imagery was used to assist in the regional reconnaissance monitoring of the Kf outcrop to identify potential locations of methane seepage in between detailed mapping areas. While the imagery cannot identify specific seeps, it can be useful in identifying areas of dead and/or stressed vegetation that may or may not be attributable to subsurface soil methane.

Suspect areas are defined as areas observed within the IR image that appear anomalous when compared to the surrounding areas. For example, a light gray area surrounded by bright red areas would be considered a suspect area. The natural features that often produce such suspect areas



include areas of dead vegetation, shadows, rock outcrops, exposed surface soil, water bodies, and patches of stressed vegetation.

2.3.1 Aerial Infrared Photography

Imagery acquisition by Agro Engineering (Agro) of Alamosa, Colorado, was selected based on image quality, availability, logistical considerations, and cost. Agro conducted the image flights on June 10 and June 16, 2008. This time of year was selected to provide the greatest potential for healthy vegetation conditions with minimal influence from drought and/or senescence. Agro was able to accurately and completely follow the GPS flight path supplied by LTE.

The photo-mission traversed the Kf outcrop from the boundary of the SUIIT Reservation in Archuleta County, through La Plata County and the SUIIT Reservation, to the New Mexico state line. There were two flights at two different elevations and two different resolutions. On June 10, 2008, 144 IR images were acquired at the flight elevation of 14,500 feet above mean sea level (amsl), with an approximate resolution of 1.5 meters. Ninety-eight of these images were provided for La Plata and Archuleta Counties, and 47 images for the SUIIT Reservation. On June 16, 2008, 433 IR images were acquired at the elevation of 11,000 feet asml with an approximate resolution of 0.75 meters. La Plata and Archuleta Counties were covered in 303 images, and 132 images for the SUIIT Reservation.

The flight elevations were over rugged terrain with surface elevations ranging between 6,400 to 8,400 feet amsl. The interpretation and analysis for the entire outcrop was performed using the 1.5 meter resolution images since they were determined to be useful for identifying suspect areas and also required fewer images to rectify and evaluate across the entire outcrop area. Agro geo-referenced the 1.5 meter resolution photos for La Plata County and Archuleta County by creating mosaics forming two large format images.

The accuracy of a geo-rectified base map is proportional to the number of control points available and the time and effort exerted during the rectification process. Digital Ortho Quarter Quads (DOQQs) were used as the reference map and the IR image was rectified to the DOQQ. Therefore, the accuracy of the IR base map image is limited but still provides a frame of reference for the field mapping data. In some cases the IR image is accurate to within one meter of the actual location because a control point is available nearby. In certain portions of the same image, accuracy can be skewed as much as 15 meters due to lack of a control point. When viewing the data presented in this report, note that GPS data are accurate to within one meter and the actual position of the feature mapped should be trusted over the position of the features (i.e. trees, buildings, landmarks) observed within the IR image. Ultimately, this approach allows LTE to provide the required accuracy to perform the field verification while controlling project costs.

2.3.2 Imagery Review

The images acquired within the study area were evaluated by LTE using visual observations. Based on professional experience in evaluating IR imagery and knowledge gained during previous regional reconnaissance surveys in La Plata and Archuleta Counties, LTE identified suspect areas along the 23-mile Kf outcrop that appeared to contain dead or stressed vegetation. Suspect areas were delineated as polygons and uploaded to the GPS unit for field verification.

2.3.3 Field Verification

Upon completion of the imagery review activities, LTE initiated field verification of suspect areas with the goal of identifying the presence or absence of methane in subsurface soil gas. A majority of the land intersecting the Kf outcrop in La Plata County is federal land but significant portions of the outcrop and many of the key methane seepage areas are located on private lands. Due to private property considerations, not all areas of the outcrop could be inspected because landowners did not grant access to or across their properties. The 2008 status of access is summarized in Table 1.

The field verification was conducted from October 16 through October 22, 2008. The LTE field crews were equipped with the aerial photographs, topographic maps, a digital camera, boring equipment (slide-hammer), the GPS, and the MSA GasPort[®] unit. LTE visited each of the accessible suspect areas, and collected subsurface soil gas measurements. LTE also photographed the suspect areas and described the features observed.

2.4 NATURAL SPRINGS MONITORING

In 2005 and 2006, LTE identified eight natural springs on the Kf outcrop with the assistance of personnel from the BLM, United States Forest Service (USFS), Colorado Division of Wildlife (CDOW), and the Office of the State Engineer (SEO). A ninth spring was identified by LTE during this 2008 survey.

In 2008, LTE accessed six of the nine natural springs, collected spring water samples, and monitored for subsurface soil gases near the springs using the MSA GasPort[®] meter. At each natural spring, LTE located the position and elevation using the GPS. A discharge rate was measured using a graduated cylinder and stop-watch. Water quality measurements, including pH, total dissolved solids (TDS), electrical conductivity (EC), oxidation-reduction potential (ORP), and temperature were collected using a Myron L 6P Ultrameter II (Myron L). The Myron L specifications are included in Appendix A.

Water samples were collected at natural springs in sample bottles prepared by the subcontracted analytical laboratories. Each sample bottle was labeled, indicating the 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 controls.

SECTION 3.0

DETAILED MAPPING RESULTS

This section describes the results of the detailed flux mapping conducted from June 2, 2008 through September 25, 2008 in the eight key mapping areas. Previous soil gas mapping events were conducted in October 2002, May 2003, May 2004, June 2005, May/June 2006, and September 2007. Events through 2006 were conducted exclusively using the MSA GasPort[®] multi-gas meter. Beginning in 2007, the West Systems portable flux meter was used to conduct detailed soil gas mapping.

LTE conducted detailed flux mapping at eight locations of interest along the Kf outcrop in La Plata County (Figure 1B):

- Basin Creek (subdivided into Basin Creek and Basin Creek North);
- Carbon Junction;
- Horse Gulch (subdivided into Horse Gulch South, Horse Gulch Central, and Horse Gulch North);
- Florida River (subdivided into Florida River West and Florida River East);
- Vosburg Pike;
- South Fork Texas Creek (subdivided into Texas Creek, Texas Creek Central, Texas Creek East, and Texas Creek West);
- BP Highlands; and
- Pine River.

Based on a request by the COGCC, the detailed flux mapping area was expanded from the previous year to include the entire outcrop from Basin Creek to Florida River (Figure 1A). This expansion resulted in an increase in the Basin Creek North mapping area and the development of a new area labeled Horse Gulch and increased the scope of the mapping project by more than 3.5 times the area mapped in 2007.

The addition of these areas to the monitoring program was intended to confirm the presence or absence of methane seepage within areas not fully investigated during previous monitoring events. Primarily, the rationale to conduct the detailed mapping in the expanded areas was based on observations in COGCC monitoring wells located near the Horse Gulch area that show increases in gas pressures over time and a recent request by Chevron to conduct infill drilling directly down-dip of the Horse Gulch area.

LTE has reported flux measurements in this document as mass flux with the units of moles/m²·day. Conversion to a volumetric flux in units of thousands of cubic feet per day

(MCFD) has 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 3.9, with calculation details provided in Appendix C. Methane, carbon dioxide, and hydrogen sulfide flux measurements are summarized by Kf outcrop areas of interest in Table 2. Methane and carbon dioxide measurements are presented on Figures 2 through 29. Flux data are included as Appendix B.

Full color spectrum aerial photographs used as base maps in the figures for this report are dated 2005 and 2007 and do not necessarily indicate present surface conditions. The geologic contacts depicted on the aerial photographic maps were derived from geologic maps prepared by the Colorado Geological Survey (CGS) and digitized at a scale of 1:25,000. Accuracy of the formation contact is reduced when aerial photographs are viewed at a smaller scale.

A total of 1,836 flux measurements were collected at the eight detailed mapping areas. Methane flux was recorded at 1,178 of the 1,836 sample locations. Carbon dioxide flux was detected at 1,741 sample locations, and hydrogen sulfide flux (though barely above sensor detection limits) was recorded at 1,722 sample locations.

Detected methane flux values ranged from 0.0002 moles/m²·day to a high of 302.7 moles/m²·day. Carbon dioxide flux values ranged from 0.0007 moles/m²·day at BP Highlands to a maximum 21.55 moles/m²·day at Basin Creek. Minimum, maximum, and average flux measurements at each location of interest are summarized in Table 2. Appendix B contains the flux measurement results for each sample location.

Health and safety concerns over hydrogen sulfide have been present with regard to the seepage activity along the Kf outcrop. Elevated levels of hydrogen sulfide have been identified in the Carbon Junction and SFTC areas since the inception of the monitoring program but concentrations in the atmosphere above the ground surface have not been detected at levels that pose a risk to human health. Elevated hydrogen sulfide concentrations have been detected in the shallow subsurface soil but 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 within the coalbed methane production gas developed within the northern San Juan Basin.

The West Systems flux meter is a highly sensitive field meter capable of detecting very low flux rates of hydrogen sulfide. Thus, it is not surprising that hydrogen sulfide flux was detected at a large number (1,722) of the sampling points during the 2008 detailed mapping event. However, the majority of the flux rates measured were only slightly above the detection limit of the unit of 0.0002 moles/m²·day. Given an accuracy of ±25%, the majority of these measured values are not considered to pose a threat to human health. Hydrogen sulfide flux values ranged from a low of 0.0002 moles/m²·day to a high of 0.0253 moles/m²·day. The highest hydrogen sulfide flux values, though still relatively low, were measured at SFTC.

Due to the very low values of hydrogen sulfide measured during the 2008 detailed mapping program, maps of hydrogen sulfide measurements were not deemed useful and therefore, not prepared.

3.1 BASIN CREEK

The detailed flux mapping of the Basin Creek area was conducted between August 15, 2008 and September 25, 2008. The mapping area was centered on Basin Creek just east of the recently constructed Animas-La Plata Project's Basin Ridges dam. The mapping area consisted of approximately 5.8 miles along the Kf outcrop. Figures 2 through 5 illustrate the results of the detailed mapping in the Basin Creek area. A summary of the 371 flux measurements is presented in Table 2. Specific results for each sample point are tabulated in Appendix B.

A key finding during the 2008 monitoring event, and as a result of the expanded mapping program, was the larger extent of methane seepage in the upland area north of Basin Creek than previously identified. However, this larger extent should not be interpreted as an increase in methane seepage in comparison with the previous studies. It is likely that the seepage has been present in prior years, and possibly since the inception of the monitoring program, it has simply not been identified to the extent until now. This area has not been identified as a suspect area during the regional reconnaissance in 2005 because seepage conditions have not affected vegetation to a significant degree.

Limited seepage in this area has been detected by LTE in prior years, just not to the extent identified during the 2008 detailed mapping event because the area had not been sampled at the scale of the grid conducted in 2008. Figure 4 illustrates the location of the methane seepage in this area north of Basin Creek.

3.2 CARBON JUNCTION

The mapping area at Carbon Junction is centered on the Animas River near the Wal-Mart shopping center on Highway 160 and extended approximately 1.1 miles along the Kf outcrop. The Carbon Junction mapping area is illustrated on Figures 6 and 7.

The Carbon Junction area was mapped in several separate mapping events between June 2, 2008 and September 17, 2008. A total of 149 flux sample points were measured. A summary of the flux measurements is presented in Table 2. Specific results for each sample point are tabulated in Appendix B.

3.3 HORSE GULCH

The Horse Gulch mapping area (the portion of Kf outcrop located between Carbon Junction and Florida River) measured approximately 3.8 miles along the Kf outcrop. This area has been added to the 2008 detailed mapping program at the request of the COGCC in response to an increased concern over the potential for seepage to be present in this large area. The Horse Gulch mapping area is shown on Figures 8 through 13.

The area was mapped between June 24, 2008 and September 23, 2008. A total of 475 flux sample points were measured. A summary of the flux measurements is presented in Table 2. Specific results for each sample point are tabulated in Appendix B.

While methane flux was detected at 265 of the 475 measurement locations, values reported were very low. Relative to active seep areas like Carbon Junction, Florida River, SFTC, and others, Horse Gulch is not considered to exhibit methane seepage and has not exhibited methane seepage during previous regional reconnaissance and pedestrian survey monitoring events conducted since 1997.

3.4 FLORIDA RIVER

The mapping area at Florida River extended approximately 1.5 miles along the Kf outcrop. The Florida River mapping occurred between August 5, 2008 and August 14, 2008. Figures 14 through 17 illustrate the results of the flux mapping. A total of 196 flux sample points were measured. A summary of the flux measurements is presented in Table 2. Specific results for each sample point are tabulated in Appendix B.

3.5 VOSBURG PIKE

The mapping area at Vosburg Pike is an upland portion of the Kf outcrop, located approximately half-way between the Florida River and SFTC mapping areas. The Vosburg Pike mapping area covered approximately 1.3 miles along the Kf outcrop (Figure 1). Flux mapping occurred on September 15 and 16, 2008. Figures 18 and 19 illustrate the results of the flux mapping. A summary of the flux measurements is presented in Table 2. Specific results for each sample point are tabulated in Appendix B.

3.6 SOUTH FORK TEXAS CREEK

The mapping area at SFTC 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 Kpc. The entire mapping area extended approximately 2.4 miles along the Kf outcrop (Figures 20 through 25). The main seep area within SFTC and the Ward and Kurtz properties has been designated SFTC Central (Figures 22 and 23). The seep area located approximately 0.25 miles east of the creek has been labeled SFTC East (Figures 24 and 25). The most recent flux mapping at SFTC occurred between June 27, 2008 and September 17, 2008.

A total of 406 flux sample points were measured. A summary of the flux measurements is presented in Table 2. Specific results for each sample point are tabulated in Appendix B. A significant decrease in estimated flux was noted during the 2008 monitoring event. A detailed review of the data points indicates that this decrease is attributed to large decreases in measured flux rates at only a few measurement locations.

The seep at SFTC is considered to be one of the most active and prolific methane seeps within the project area and is currently undergoing a pilot study funded by the COGCC to evaluate mitigation technologies for the methane seepage.

3.7 BP HIGHLANDS

The mapping area at BP Highlands was added to the monitoring program following the completion of the IR regional reconnaissance mapping in 2003. The BP Highlands is an upland area west of Pine River. Over the last several years, the previous property owner had noted an increase in areas of dead vegetation and had also complained about methane in their water supply wells, which are completed in the Kf. The BP Highlands mapping area covered approximately 0.9 miles along the Kf outcrop (Figures 26 and 27). Flux mapping was performed between July 7, 2008 and July 14, 2008.

A total of 59 flux sample points were measured. A summary of the flux measurements is presented in Table 2. Specific results for each sample point are tabulated in Appendix B.

3.8 PINE RIVER

The mapping area at Pine River is located where the Pine River transects the Kf outcrop. The mapping area covers approximately 1.1 miles along the Kf outcrop. The 2008 mapping event occurred between June 30, 2008 and July 18, 2008. Figures 28 and 29 illustrate the results of the flux mapping performed at Pine River.

A total of 122 flux sample points were measured. A summary of the flux measurements is presented in Table 2. Specific results for each sample point are tabulated in Appendix B.

The seep at Pine River is also currently undergoing a pilot study funded by the COGCC to evaluate mitigation technologies for the methane seepage.

3.9 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, then contoured and processed to estimate total volumetric flux.

The results were converted to volumetric flux rates common to the natural gas production industry in units of MCFD. A discussion of the methods and calculations used to determine total methane flux is presented in Appendix C. Methane flux contour maps of areas of interest are presented in Figures 30 through 43. Carbon dioxide flux contour maps are presented in Figures 44 through 57.

The total estimated methane flux volume for the Kf outcrop in La Plata County is 5,355 MCFD. The total estimated carbon dioxide flux volume for the Kf outcrop in La Plata County is 2,313 MCFD.

3.10 HISTORICAL FLUX DATA COMPARISON

From 2007 to 2008, LTE expanded the area of detailed mapping from 554 acres to 1,951 acres, roughly 3.5 times the area of the previous survey. The increase in mapping area was due largely to the addition of the Horse Gulch area of interest. However, very little seepage was measured in



the Horse Gulch area and is therefore not considered an active seep area. The increase in mapping area in 2008 should not be construed as an increase in methane seepage area.

To assess changes in methane and carbon dioxide volumetric flux from 2007 to 2008, LTE considered only those areas of interest common to the two years: Basin Creek, Basin Creek North, Carbon Junction West & East, Florida River West & East, Vosburg Pike, SFTC Central and West, SFTC Main Seep Area, Texas Creek East, BP Highlands, and Pine River. Table 3 summarizes the changes in the seepage extent and the volumetric methane flux from 2007 to 2008.

Decreases in methane flux from 2007 to 2008 were noted in Basin Creek, Carbon Junction West, Florida River West, Florida River East, SFTC, and Texas Creek East. Increases in methane flux from 2007 to 2008 were noted in Basin Creek North, Carbon Junction East, Vosburg Pike, BP Highlands, and Pine River. As shown in Table 3, the measured flux in 2007 was 6,120 MCFD and the measured flux in 2008 over the same common areas was 4,092 MCFD. The net change for the common detailed mapping areas from 2007 to 2008 is a decrease of 2,028 MCFD or 33.1%.

Significant decreases in methane flux rates were noted in Carbon Junction West, Florida River East, and SFTC. Significant increases in methane flux rates were noted in Carbon Junction East and Pine River. A review of the data from these seep areas revealed that only a small number of the data points within the sampling grid account for the significant changes in estimated methane flux. For example, in Pine River, order of magnitude increases of mass flux at three measurement points are responsible for the four-fold increase in estimated flux from the area. The effect that these elevated values measured in Pine River have on the contoured surface and resulting flux estimate can be readily observed on Figure 43.

In 2007, LTE estimated the total methane flux over the entire Kf outcrop in La Plata County north of the SUIT boundary at 7,125 MCFD. This value was based on actual measurements as well as extrapolating measured fluxes to inaccessible areas due to private landowner access issues. After further consideration and evaluation of multiple data sets, LTE believes that extrapolating values obtained within measured areas into areas where access was not granted is not appropriate. The uncertainty involved in this estimation method is too great and can generally provide misleading results. This conclusion is supported by the significant changes in total flux estimations in areas like SFTC and Pine River where only a few measurement points accounted for the majority of the change in measured flux.

In 2008, LTE increased the mapped area to 1,951 acres covering nearly all of the known active methane seepage areas in La Plata County. Therefore, substantially most of the expected flux area was deemed to be included in 2008, with a total estimated volumetric methane flux of 5,355 MCFD. While access limitations remain in this project, particularly in prominent active seep areas including SFTC and Pine River, LTE hesitates to estimate the seepage in areas without measurements due to the high degree of uncertainty.

SECTION 4.0

REGIONAL RECONNAISSANCE RESULTS

The regional reconnaissance of the Kf outcrop has evolved since it was introduced 11 years ago. Initially, the regional reconnaissance was a pedestrian survey with the collection of surface methane concentration and qualitative observations of vegetative condition. The qualitative nature of the pedestrian survey and the subjective bias by the varying field crews over the years warranted the development of an alternative approach to monitor the far reaching extents of the Kf outcrop area, particularly those areas not exhibiting active methane seepage. The pedestrian survey program required extensive effort in areas where methane seepage was generally not occurring.

The 2005 regional reconnaissance effort included IR aerial photography and imagery review for stressed vegetation, followed by field verification with the collection of subsurface methane measurements in identified suspect areas. The 2008 regional reconnaissance included similar IR imagery review and field verification tasks as conducted in 2005. However, since 2005, the number of identified suspect areas has decreased from 105 to 31 in 2008. The number of field-verified suspect areas also decreased from 95 in 2005 to 16 in 2008. This decrease is, in part, due to an increased coverage of detailed flux mapping from 2007 to 2008. In 2008, imagery review and field verification were generally focused on areas between Florida River East and Vosburg Pike, Vosburg Pike and Texas Creek West, and east of Pine River.

This section describes the results of the 2008 aerial IR imagery reconnaissance, imagery review, and field verification activities conducted in La Plata County along the Kf outcrop. Aerial photography was conducted on June 10 and 16, 2008. Field verification of suspect areas was performed between October 17 and 22, 2008.

A key map of the aerial images is presented in Figure 58. Locations of suspect areas identified on the aerial photographs, and subsurface soil methane concentration measurements are illustrated on Figures 59 through 68.

4.1 FIELD VERIFICATION ACTIVITIES

From October 17, 2008 to October 22, 2008, LTE conducted the field verification of 16 of the 31 suspect areas. Fifteen locations that were not inspected were inaccessible due to property access issues.

Field inspection observations, including vegetation type, health and coverage, degree of slope, ground conditions, and general observations are summarized in Table 4. Photographs of many of the suspect areas taken during field verification activities are presented in Appendix D. Subsurface soil gas measurement data are presented in Appendix E.

LTE collected 69 subsurface gas concentration measurements in 15 suspect areas using the MSA GasPort[®] meter. Suspect area 26 could not be measured due to the impermeable rock surface.

Methane was not detected in any of the suspect areas measured. Oxygen values ranged from 19.1% to 21.0%. Hydrogen sulfide was also not detected in any of the suspect areas measured.

LTE generally observed that poor vegetation health in suspect areas was a function of surface physical conditions, such as poor soil development on coal and rock outcrops and/or steep slopes. Vegetation mortality has also been attributed to pine beetle infestation, drought, and/or normal die-back of scrub oak in past field verification events.

4.2 COMPARISON TO PREVIOUS FIELD VERIFICATION SURVEYS

Of the 16 accessible 2008 suspect areas, only 4 were coincident with the 105 suspect areas identified on 2005 aerial IR images. With the exception of the Vosburg Pike and BP Highlands seep areas identified in the 2005 regional reconnaissance, both events did not identify methane seepage in the suspect areas.

4.2.1 Edgemont Ranch

Suspect areas 7 and 8 are located in the Edgemont Ranch area (Figure 60). Suspect area 7 is noted as a coal bed outcrop (Table 4). No methane was detected in either area in 2008. Both suspect areas were also identified and field verified in 2005. No methane was detected in 2005 at either area.

4.2.2 Texas Creek

Suspect area 16 was identified in the western portion of the Texas Creek area (Figure 62). In 2005, the same area was identified and field-verified. No methane was detected. Livestock grazing was identified as the cause of vegetation impacts. In 2008, no methane was detected in suspect area 16. The property owner reported to LTE's field crew that the location was treated with herbicide in 2006, that the herbicide has a four-year residual effect, and that the field had recently been tilled (Table 4).

Suspect area 18 was identified at the extreme eastern margin of the Texas Creek area of interest (Figure 63). Suspect area 18 was also located at the eastern-most reach of a suspect area identified in 2005. No methane was detected at suspect area 18 in either 2005 or 2008. Vegetation in suspect area 18 in 2008 was described as sparse, occurring between coal, shale, and weathered sandstone outcroppings (Table 4).

4.2.3 East of Pine River

Suspect area 30 was identified east of the Pine River area of interest, near the boundary between La Plata and Archuleta Counties (Figure 68). Suspect area 30 includes a small portion of a larger suspect area identified in 2005. No methane was detected in 2005 or 2008 in these suspect areas. During the 2008 field verification event, the area was noted as a talus pile consisting of coal bed and other debris from a nearby abandoned mine.

4.3 ALTERNATIVE REGIONAL RECONNAISSANCE TECHNOLOGY

During the course of the 2008 monitoring program, LTE was introduced to an alternative remote sensing technology called ANGEL developed by ITT. The SUIT have contracted ITT to test this technology on the northern rim of the San Juan Basin. Chevron purchased the rights to a portion of this data covering the Basin Creek, Carbon Junction, and Horse Gulch areas early in 2009 and used the remote sensing data, in conjunction with LTE's detailed mapping data, as part of Chevron's infill drilling application.

During the evaluation of this technology, it was determined that LTE's field methods of detailed mapping and the regional reconnaissance efforts were highly reliable and consistent with the findings of the ANGEL data. The evaluation indicated that the ANGEL data have some limitations as it is strongly influenced by wind conditions, moisture, has been shown to report false positives and false negatives on occasion, and cannot quantify a flux rate.

Nonetheless, the ANGEL technology provides tangible seepage screening results for surveying large areas of the Kf outcrop and identifying those areas where methane may be present and where more detailed mapping and investigation are warranted. From our assessment, it is clear that the ANGEL technology is superior to the current regional reconnaissance IR imagery technology because it can identify areas of potential methane seepage with greater ease and accuracy than the current IR imagery method.

It is our understanding that ANGEL data from the entire outcrop in La Plata County have been acquired and may be obtained from the SUIT for a fee. If the remaining ANGEL data were obtained for use in the ongoing monitoring program, it may be useful to confirm LTE's findings over the past 10 years and possibly identify small seep areas not already noted from historic monitoring results. However, LTE has concluded, based on our review of the ANGEL data provided by Chevron, that the findings in other areas of the outcrop would likely be similar to those demonstrated over the past 10 years, with only a few exceptions.

More importantly, it is our understanding that the ANGEL technology costs are significantly higher than those incurred using the current regional reconnaissance IR imagery method. So much so that LTE asserts that a detailed mapping grid on a 200-foot spacing over the entire outcrop could be performed in a more cost effective manner than using the ANGEL technology. In addition, potential seep areas identified with the ANGEL technology would still require field verification. Assuming that there is not significant gain (i.e. the identification of new seep areas) by utilizing this technology, LTE questions the viability and usefulness of the ANGEL data to The Group.

SECTION 5.0

NATURAL SPRINGS MONITORING

Nine natural springs have been previously identified on the Kf outcrop in La Plata County north of the SUIT boundary. Five of the natural springs were located in the vicinity of SFTC, two natural springs were located in the Edgemont Ranch area, one spring was located in the area west of Florida River, and one spring was located on the BP Highlands property, west of Pine River. Due to access restrictions only six natural springs were sampled in 2008.

The following natural springs were accessible for sampling in 2008:

- 6/23/08: Darwin Rather Spring #1, Darwin Rather Spring #2, Rancho Durango LTD Spring, Rancho Durango North Spring, and Hoier Spring; and
- 10/15/08: Darwin Rather Spring #1, Darwin Rather Spring #2, Rancho Durango LTD Spring, Rancho Durango East Spring, Rancho Durango North Spring, and Hoier Spring.

Locations of the natural springs are illustrated on Figures 26, 27, 42, 56, 69, and 70.

5.1 FIELD OBSERVATIONS AND MEASUREMENTS

Field observations and measurements of temperature, pH, EC, ORP, and TDS, were collected at most sampled springs. The 2008 field observations and measurements for all natural springs, including historical measurements, are summarized in Table 5. Photographs of several natural springs sampled in 2008 are included in Appendix F.

Discharge rates were measured at five natural springs sampled in June 2008, and at the six natural springs sampled in October 2008. Natural spring discharge rates, including historical data, are presented in Table 5. Rancho Durango East Spring flow was measured in October 2008 for the first time, at a flow rate of 0.19 gallons per minute (gpm). The 2008 flows at Rancho Durango LTD Spring and Rancho Durango North Spring were relatively low, yet within the range of past measurements. Measurements at Hoier Spring, estimated only once at less than 0.25 gpm, were quantified in 2008 at 0.042 and 0.031 gpm. Darwin Rather Spring #2, also only estimated in 2005 and 2006 at less than 0.25 gpm and less than 1.0 gpm, respectively, was calculated in 2008 at 0.63 gpm and 0.25 gpm. The flow measurement at Darwin Rather Spring #1 increased substantially to 9 gpm from a previous high of 1 gpm recorded in 2006 and 2007. We suspect that the high flow rate recorded may not be correct and is the result of a measurement error.

5.2 NATURAL SPRINGS SAMPLING AND ANALYSIS

In 2008, natural spring water samples were collected and submitted to Four Corners Geoscience, Inc. for analysis of dissolved methane. Samples were also submitted to Green Analytical Laboratories for general water chemistry analyses for the first time. Analytical results are presented in Appendix G.

Laboratory analytical results for dissolved methane, including historical results, are summarized in Table 6. In 2008, no methane was detected in any natural spring water samples. Historically, methane had been detected at Rancho Durango LTD Spring, Darwin Rather Spring #2, and Hoier Spring at concentrations below the 2008 methane detection limit of 0.02 milligrams per liter (mg/L).

The COGCC uses 2 mg/L as the threshold limit for methane in domestic water systems. The COGCC holds that water systems containing dissolved methane concentrations above 2 mg/L have an increased risk of desorption from the water and create potentially explosive conditions in confined spaces. Historic detected methane concentrations from La Plata natural springs have been three orders of magnitude below the COGCC 2 mg/L threshold.

Major ion chemistry of the natural springs' samples is summarized in Table 7, and presented graphically as tri-linear diagrams in Figures 71 and 72. Tri-linear diagrams are a useful tool for classifying water by major ionic species. Natural springs' waters sampled in June and October 2008 exhibit a calcium bicarbonate character. The Hoier Spring is noted for a low level of total dissolved solids and absence of sulfate.

5.3 SUBSURFACE SOIL GAS MEASUREMENTS

During the October 2008 natural springs sampling event, one subsurface soil gas measurement was collected Rancho Durango North, Rancho Durango East, Darwin Rather #1, and Darwin Rather #2 springs using the MSA GasPort[®] meter. Two soil gas measurements were made at the Rancho Durango LTD Spring. No measurement was made at the Hoier Spring due to instrument failure. Methane was not detected in the subsurface soil gas at any measured natural spring.

SECTION 6.0

ABANDONED WELLS SOIL GAS MONITORING RESULTS

LTE conducted subsurface soil methane monitoring using the MSA GasPort[®] meter at three abandoned gas well sites: Baird #1-25 (API #05-067-06568); Federal #34-1/2-34-1 (API #05-067-07514); and Pole Barn Monitor Well #1 (API #05-067-07969). Monitoring was conducted to determine whether methane seepage exists within the vicinity of the sites at the request of the COGCC.

Seventeen soil gas measurements were collected at Pole Barn Monitor Well #1 and Federal 34-1/2-34-1. Eighteen measurements were collected at Baird 1-25. Methane was not detected at any measurement point. Results are presented in Figures 73 through 75.

SECTION 7.0

CONCLUSIONS AND RECOMMENDATIONS

7.1 DETAILED FLUX MAPPING

The 2008 methane seep mapping was performed during the period from June 2, 2008 through September 25, 2008. This was the second time the portable flux meter has been used to conduct methane seep mapping. Mapping was performed at eight key areas of interest along the Kf outcrop in La Plata County north of the SUIT Reservation boundary. The detailed flux mapping program was expanded by 3.5 times the area mapped in 2007.

LTE calculated methane flux changes from 2007 to 2008 in common areas of interest in order to determine if there is any annual variation. The volumetric flux in the common areas of interest decreased from 2007 to 2008 by 33.1% from 6,120 MCFD to 4,092 MCFD. Significant changes in flux rates occurred at only a few measurement points within several of the mapping areas and account for the majority of the differences observed on a site by site basis. For example, while the volumetric flux increased substantially at Pine River (683 MCFD to 2,764 MCFD), it decreased substantially at SFTC (4,500 MCFD to 671 MCFD).

In 2008, LTE estimated the total methane flux from all of the areas mapped to be 5,355 MCFD. The total methane flux estimate from 2007 included extrapolation of data into areas where access was not granted and was calculated to be 7,125 MCFD. Without the extrapolation of data, the total methane flux was estimated to be 6,120 MCFD. LTE has concluded that given the high variability of measurements across a given seep area and the sensitivity of each measured value to the total flux estimate, extrapolation of data is not an accurate estimation method.

Carbon dioxide seepage exists within all monitored areas of interest, with greater areal extent than methane seepage. Since the focus of the detailed flux mapping program is to delineate the extent of methane seepage, it is reasonable to expect that carbon dioxide seepage may exist in locations where there is no methane seepage along the Kf outcrop. LTE calculated a total volumetric carbon dioxide flux of 2,313 MCFD in 2008.

Hydrogen sulfide flux values along the Kf outcrop were very low and most were reported only slightly above the detection limit of the flux meter. Data indicate that hydrogen sulfide is present in the subsurface at elevated levels in only a few locations. Measured values above the ground surface are very low, if not detected, and are not considered to be a threat to human health. The source of the hydrogen sulfide is believed to be local, near surface, anaerobic microbial activity. LTE did not determine the total volumetric flux of hydrogen sulfide for 2008.

The accuracy of the total flux estimation within the project area is influenced by the ability of the grid spacing system to represent the actual flux on a detailed level relative to the subsurface fracture system, coal quality, and stratigraphy within the Kf. The accuracy of the field meters also influences the flux estimation.

7.2 REGIONAL RECONNAISSANCE

Several suspect areas identified in the 2005 regional reconnaissance (the upland area north of Basin Creek, the upland area west of Florida River, and upland areas near Vosburg Pike) were recommended for, and have been included in, the flux mapping effort. In addition, the 2008 monitoring event included detailed mapping in the Horse Gulch area. As a result, the number and size of suspect areas identified in the 2008 regional reconnaissance decreased. Thirty-one suspect areas were identified in 2008. Of the 16 suspect areas that were accessible and field-verified, none had measureable concentrations of subsurface methane. Four inspected suspect areas were co-located with 2005 suspect areas. All four of these suspect areas showed no indication of subsurface methane in both 2005 and 2008. Most 2008 field observations of suspect areas indicate that stressed vegetation may be due largely to poorly developed soil conditions on the Kf outcrop.

During the course of the 2008 monitoring program, LTE was introduced to ANGEL developed by ITT as a means to conduct the regional reconnaissance of the Kf outcrop for methane seepage. During the evaluation of this technology, it was determined that LTE's field methods of detailed mapping and the regional reconnaissance efforts were highly reliable and consistent with the findings of the ANGEL data.

From our assessment, it is clear that the ANGEL technology is superior to the current regional reconnaissance IR imagery technology and can identify areas with the potential for methane seepage with greater ease and accuracy. However, the ANGEL technology has limitations and has been shown to identify false positives and false negatives, is highly influenced by wind and moisture, still requires field verification, and cannot quantify methane seepage rates.

ANGEL data from the entire outcrop in La Plata County have been acquired by the SUIT. Based on a review of the ANGEL data obtained by Chevron for a portion of the project mapping area, LTE has concluded that the findings in other areas of the outcrop would likely be similar to those demonstrated over the past 10 years. It is our understanding that the ANGEL technology costs are significantly higher than those incurred using the current regional reconnaissance IR imagery method. Therefore, LTE questions the viability and usefulness of the ANGEL data to The Group.

7.3 NATURAL SPRING SURVEY

Five natural springs were sampled in June 2008, followed by the sampling of six natural springs in October 2008. The seasonal difference in sampling times allowed LTE to assess any changes in the number of springs, the flow rates, and/or the chemistry of the natural springs. No significant seasonal differences were noted.

The Rancho Durango East Spring was apparently flowing, locatable, and sampled for the first time in October 2008. The other five natural springs (Rancho Durango North & LTD, Darwin Rather Springs #1 & #2, and Hoier Spring) had been accessible and previously sampled.

The dissolved methane concentration in each of the water samples collected during 2008 was below the laboratory method detection limit of 0.02 mg/L. These results were similar to the results of previous sample results.

Natural springs' samples were also analyzed for general water chemistry for the first time in 2008. Results of all samples indicated waters of calcium bicarbonate character.

Generally, the flow rates of the natural springs have been consistently low at 2 gpm or less (many measurements noticeably less), with an anomalously high measurement of 9 gpm noted at Darwin Rather Spring #1 in October 2008.

7.4 ABANDONED WELLS SOIL GAS MONITORING

At the recommendation of the COGCC, the areas surrounding three abandoned production wells were inspected for subsurface methane. No methane was detected at any of the abandoned production wells.

7.5 RECOMMENDATIONS

Based on the results of the 2008 Kf outcrop monitoring event, LTE recommends the following:

- Conduct detailed methane seep mapping and flux estimation using the portable flux meter in June 2009. LTE will return to the sample locations visited during the 2008 field activities with the exception of the Horse Gulch mapping area. Since no methane was detected in additional suspect areas, the extent of flux mapping will be similar to the 2007 effort;
- Conduct natural springs sampling during Spring 2009 to continue to build the database and assess any changes in the number of springs, the flow rates, and/or the chemistry of natural springs;
- Conduct the next regional reconnaissance IR aerial survey in 2011; and
- Continue to evaluate the viability of the ANGEL technology including a cost-benefit analysis.

SECTION 8.0

REFERENCES

Armstrong, M and N. Champigny. 1988. *A Study on Kriging Small Blocks*.

Golden Software, 1993. *Surfer 8 - Contouring and 3D Surface Mapping for Scientists and Engineers – User's Guide*. Golden, CO: Golden Software, Inc.

LTE, 2003. *Fruitland Outcrop Monitoring, Data Acquisition Modification Report, La Plata County, Colorado, January 2003*.

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

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

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



TABLES



**TABLE 1
PROPERTY ACCESS STATUS
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO**

THE GROUP

Parcel Number	Mapping Area	Property Owner	Access Granted
Undetermined	Undetermined	ACME REALITY - DURANGO LTD	No Response
567508200326	TEXAS CREEK	BRETT CLARK	Returned
566905400806, 566905400032	CARBON JUNCTION	DURANGO CROSSING II LLC, C/O KE ANDREWS & COMPANY	No Response
567509300144, 567508400169	TEXAS CREEK	E WARD PROPERTIES NO 2 LTD, LLP	No Response
566904300003	CARBON JUNCTION	EMERY WILLMETT ETALS	No Response
567514201017	PINE RIVER	WILLIAM EARL GOMER	No Response
567508100265	TEXAS CREEK	VICTORIA ANNE HUYCK & TIMOTHY YALE DEAL	Returned
567508200328	TEXAS CREEK	RONALD L & CHERYL A & JARRETTE IRELAND	No Response
567509200167	TEXAS CREEK	H RICHARD KURTZ	No Response
566905400024	CARBON JUNCTION	LA PLATA COUNTY HUMANE SOCIETY	Returned
567514201001	PINE RIVER	VICKY A MULLINS TRUST	No Response
566733100801	CARBON JUNCTION	OAK RIDGE ENERGY INC	No Response
567514201002	PINE RIVER	CARY ALLEN RAY & MITZIE CORBIN	No Response
567514100002, 567514100015	PINE RIVER	REMMOW LAND CO LIMITED PARTNERSHIP	No Response
567514300009	PINE RIVER	HERMAN SCHUTZ, C/O LA PLATA COUNTY ASSESSORS	No Response
566907100035	BASIN CREEK	STATE OF COLORADO, BENEFIT OF DIV OF WILDLIFE	Yes
566301200139	BASIN CREEK	USA ACTING THROUGH BUREAU OF RECLAMATION	Yes
566905100003	CARBON JUNCTION	STATE OF COLORADO, DEPARTMENT OF TRANSPORTATION	Yes
567509300188, 567509400231	TEXAS CREEK	ROY VARCOE & MICHAEL GORETSKI & MARK MARION	No Response
567508100113, 567508100165	TEXAS CREEK	C GLEN & IVY K WALKER	No Response
566905400805	CARBON JUNCTION	WAL MART STORES INC, #DIVISION-STORE PROP TAX #0555	No Response
567119200267	FLORIDA RIVER	MARSHALL A. & MARY P. BEACH TRUSTEES & ZACHARIAH A. BEACH	No
567514201009, 567514201014	PINE RIVER	JOEL AND CORY LYNNE BRAME	Yes
567508300307	TEXAS CREEK	PHILIP JAMES AND LUCY T BRYSON	Yes
567514201020	PINE RIVER	JOSEPH AND HELEN CALLENDER	Yes
566905100028	CARBON JUNCTION	DONALD L CARLENO AND MARY ELIZABETH VON FELDT	Yes
566905100002	CARBON JUNCTION	CARVON LLC	Yes
566905400803, 566904200021	CARBON JUNCTION	CITY OF DURANGO	Yes
567111300824	VOSBERG PIKE	D&G INVESTMENTS	No
567509200132, 567509200284	TEXAS CREEK	RONALD C. & DARLENE A. FINCHER	Yes
567514201003	PINE RIVER	ALAN R. & GAY W. FRIEDMAN	Yes
567514201018	PINE RIVER	BRYAN F. & JULIE A. GREEN	No
567509100179	TEXAS CREEK	HARRY DILLASHAW LIVING TRUST	Yes
567508200327	TEXAS CREEK	DIANA M WILKENING AND BECKY JO HITCHCOCK	No
567509100178	TEXAS CREEK	KELLY ROBERTS PARTNERSHIP	Yes
567508400192	TEXAS CREEK	LEWIS CHRISTOPHER CHARLSIE AND PAULA LEA NYGUARD	Yes
566524100054	FLORIDA RIVER	WILLIAM AND SHERRY LOEHR	Yes
566524100806, 567118300800	FLORIDA RIVER	MACHO FAMILY TRUST	No
567514300016	PINE RIVER	GERALD D. & AVON D. MAGEE	Yes
567119200266	FLORIDA RIVER	WILLIAM BUSH AND ELIZABETH W. MARSH	No
567508400264	TEXAS CREEK	DENNIS AND DUANE McCOY	No
567110300889	VOSBERG PIKE	BARBARA DILLOW NICHOLS	Yes



TABLE 1 (CONTINUED)
PROPERTY ACCESS STATUS
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

Parcel Number	Mapping Area	Property Owner	Access Granted
567514201015	PINE RIVER	OSCAR D. & BETTY PERRY	Yes
567118400806	FLORIDA RIVER	PALMER RANCH LIMITED II	Yes
567509400065	BP HIGHLANDS	RVM LLC	Yes
567508100168	TEXAS CREEK	GREGORY R. SARAFIN	No
566524400813	FLORIDA RIVER	SUBSURFACE MACHINE & MFG INC	Yes
567508300309, 567508300308	TEXAS CREEK	WILLIAM AND ELIZABETH TULLOCH CO TRUSTEES	Yes
567119200197	FLORIDA RIVER	STEPHAN TURNER AND REGINA TURNER-ANDEREGG	No
567514400008	PINE RIVER	ROBERT H & GWENDOLYN S WILLIAMS TRUSTEES	No
567514201019	PINE RIVER	JENNIFER SUE YOUNG	Yes
567117101001	EDGEMONT RANCH	WILLIAM J. & DONNA M. HERRICK TRUSTEES	Returned
567110300887, 567110300892	VOSBERG PIKE	RISE AND WALK LP	No Response
567513300017	PINE RIVER	YIANNAKIS LINE LLC	No Response
567115200335	VOSBERG PIKE	ROBERT M. & RENEE M JT STRONG LIVING TRUST	No Response
567112100261	TEXAS CREEK	KANE RANCH LLC	No Response
567515100018, 567111200305	PINE RIVER, VOSBERG PIKE	BLM	Yes



**TABLE 2
FLUX MEASUREMENTS
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO**

THE GROUP

Mapping Area	Number of Sample Points	Methane Flux				Carbon Dioxide Flux				Hydrogen Sulfide Flux			
		Number of Sample Points w/ Methane	Minumum	Maximum	Average	Number of Sample Points w/ CO ₂	Minumum	Maximum	Average	Number of Sample Points w/ H ₂ S	Minumum	Maximum	Average
Basin Creek													
Basin Creek	178	98	0.0002	18.00	0.7425	169	0.0035	10.27	0.2868	166	0.0002	0.0079	0.0018
Basin Creek North	<u>193</u>	<u>132</u>	0.0002	17.48	0.5505	<u>193</u>	0.0049	21.55	0.4604	<u>191</u>	0.0002	0.0025	0.0025
<i>Subtotal</i>	<i>371</i>	<i>230</i>				<i>362</i>				<i>357</i>			
Carbon Junction	149	109	0.0002	78.13	1.155	136	0.0077	7.132	0.2654	138	0.0002	0.0087	0.0018
Horse Gulch													
Horse Gulch South	132	72	0.0002	0.2068	0.0863	113	0.0099	16.60	0.5171	111	0.0002	0.0085	0.0023
Horse Gulch Central	182	114	0.0002	0.2033	0.0652	177	0.0031	1.062	0.1614	181	0.0002	0.0136	0.0026
Horse Gulch North	<u>161</u>	<u>79</u>	0.0002	0.3269	0.0802	<u>141</u>	0.0060	1.133	0.1867	<u>141</u>	0.0002	0.0098	0.0021
<i>Subtotal</i>	<i>475</i>	<i>265</i>				<i>431</i>				<i>433</i>			
Florida River													
Florida River West	170	144	0.0009	4.659	0.1430	156	0.0111	4.430	0.3655	151	0.0002	0.0153	0.0029
Florida River East	<u>26</u>	<u>18</u>	0.0234	0.2858	0.1023	<u>19</u>	0.0608	0.5677	0.247	<u>20</u>	0.0005	0.0164	0.0055
<i>Subtotal</i>	<i>196</i>	<i>162</i>				<i>175</i>				<i>171</i>			
Vosburg Pike	58	38	0.0002	1.745	0.1598	57	0.0269	2.130	0.2464	57	0.0007	0.0072	0.0028
Texas Creek													
Texas Creek West	261	170	0.0002	302.7	9.246	258	0.0086	7.474	0.5197	256	0.0002	0.0244	0.0038
Texas Creek East	<u>145</u>	<u>93</u>	0.0028	22.82	0.7375	<u>142</u>	0.0112	6.617	0.429	<u>139</u>	0.0002	0.0253	0.0032
<i>Subtotal</i>	<i>406</i>	<i>263</i>				<i>400</i>				<i>395</i>			
BP Highlands	59	31	0.0002	32.46	1.129	58	0.0007	1.686	0.3303	52	0.0002	0.0099	0.0028
Pine River	122	80	0.0002	210.4	5.698	122	0.0078	3.183	0.3815	119	0.0002	0.0177	0.0037
Totals	1,836	1,178				1,741				1,722			

Notes:

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

CO₂ - Carbon dioxide

H₂S - Hydrogen sulfide



TABLE 3
COMPARISON OF 2007 AND 2008 METHANE FLUX
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

Mapping Area Name	2007		2008	
	Seepage Area (acres)	Volumetric Flux (MCFD)	Seepage Area (acres)	Volumetric Flux (MCFD)
Basin Creek	17	88	21	54
Basin Creek North	3	6	5	8
Carbon Junction West	32	493	52	93
Carbon Junction East	42	67	64	295
Florida River West	8	25	21	7
Florida River East	22	110	29	37
Vosburg Pike	14	6	16	15
SFTC Central & West	44	2,068	41	174
SFTC Main	6	2,082	4	310
Texas Creek East	19	347	16	187
BP Highlands	13	145	10	148
Pine River	80	683	75	2,764
TOTAL	300	6,120	354	4,092

Note:

MCFD - thousand cubic feet per day



**TABLE 4
SUSPECT AREAS OBSERVATIONS
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO**

THE GROUP

Suspect Area No.	Date Inspected	Vegetation Coverage (%)	Vegetation Comments	General Comments	Subsurface Soil Gas Measurements	Subsurface Soil Methane Detected
1-7			No access to property(ies).			
7	10/20/08	40	Scrub oak and grass, healthy.	Methane sampling difficult due to hard coal beds.	5	No
8	10/20/08	15	Scrub oak, healthy.	None.	5	No
9			Not recorded			
10-11			No access to property(ies).			
12	10/20/08	90	Scrub oak and grass, healthy.	None.	5	No
13-15			No access to property(ies).			
16	10/19/08	50	Weeds and grass. Property owner reports that herbicide was applied to area 2 years ago. Herbicide has a 4 year residual affect. Recently tilled	Farmer's field.	3	No
17			No access to property.			
18	10/22/08	Not noted.	Sparse vegetation between coal and shale beds.	Coal and shale bed outcrop with weathered sandstone blocks. Competant beds make soil gas sampling difficult.	4	No
19	10/22/08	30	Grass and scrub oak.	Weathered sandstone with poorly developed soil, to two inches deep. Difficult to penetrate for sampling.	5	No
20	10/22/08	30	Grass and scrub oak.	Weathered sandstone with poorly developed soil, to two inches deep. Difficult to penetrate for sampling.	5	No
21-22			No access to property.			
23	10/22/08	90	Mostly grass, with scrub oak and few pines, healthy.	None	4	No
24	10/22/08	0	No vegetation within area. Surrounding area vegetation is healthy.	Coal tailings and shale beds.	3	No
25	10/21/08	50	Mostly scrub oak with new growth, healthy.	None	3	No
26	10/21/08	Not noted.		Sandstone outcrop and shale/coal beds. Could not sample competent rock.	0	not sampled/ impermeable rock
27	10/21/08	30	Type not noted, healthy.	Coal seam outcrop and shale beds.	5	No
28			No access to property			
29	10/19/08	70	Short grasses and scrub oak. No vegetation on coal, but abundant in surrounding soil.	Coal tailings.	5	No
30	10/17/08	60	Healthy vegetation.	Area is a talus pile consisting of coal bed debris and debris from a former mine.	4	No
31	10/19/08	80	Mostly grass with some scrub oak. Vegetation looks healthy, new growth on scrub oak.	None.	5	No

Notes:
% - percent
ppm - parts per million



TABLE 5
NATURAL SPRINGS SAMPLING FIELD MEASUREMENTS
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

Natural Spring Name	Date	Temperature (degrees C)	pH	Electrical Conductivity (µS/cm)	TDS (mg/L)	ORP (mV)	Flow (GPM)	
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	
	10/15/2008	11.4	6.9	617	401	112.8	1.5	
Rancho Durango East Spring	10/15/2008	7.8	6.5	510	0.334	87.2	0.19	
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	
	10/15/2008	12.4	7.4	561	365	126.9	1.5	
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	Not Measured	
	10/15/2008	Not Measured						9
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	Not Measured						
	6/26/2008	18	7.31	261.4	180.5	76	0.63	
	10/15/2008	10.9	6.9	289	188	3	0.25	
Hoier Spring	5/24/2006	17.5	7.24	670.5	453.9	35	Not Measured	
	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	

Notes:

- C - Celcius
- µS/cm - microSiemens per centimeter
- mg/L - milligrams per liter
- mV - millivolts
- GPM - gallons per minute
- TDS - total dissolved solids
- ORP - oxidation reduction potential
- < - less than



TABLE 6
NATURAL SPRINGS SAMPLING LABORATORY METHANE CONCENTRATIONS
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP

NATURAL SPRING NAME	METHANE (mg/L)				
	2005	2006	2007	2008	
	September	May	October	June	October
Rancho Durango North Spring	Not Sampled	<0.0010	<0.02	<0.02	<0.02
Rancho Durango East Spring	Not Sampled				<0.02
Rancho Durango LTD Spring	<0.0005	0.0016	<0.02	<0.02	<0.02
Darwin Rather Spring #1	<0.0005	<0.0010	<0.02	<0.02	<0.02
Darwin Rather Spring #2	0.002	0.0017	Not Sampled	<0.02	<0.02
Hoier Spring	Not Sampled	0.0017	<0.02	<0.02	<0.02

Notes:

mg/L - milligrams per liter

< - less than the stated laboratory method detection limit



**TABLE 7
NATURAL SPRINGS MAJOR IONS CONCENTRATIONS
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO**

THE GROUP

Natural Spring Name	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)	
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
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
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
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
Rancho Durango East Spring	10/15/2008	60.5	12.9	14.8	0.7	<10	206	42	<10	250
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

Notes:

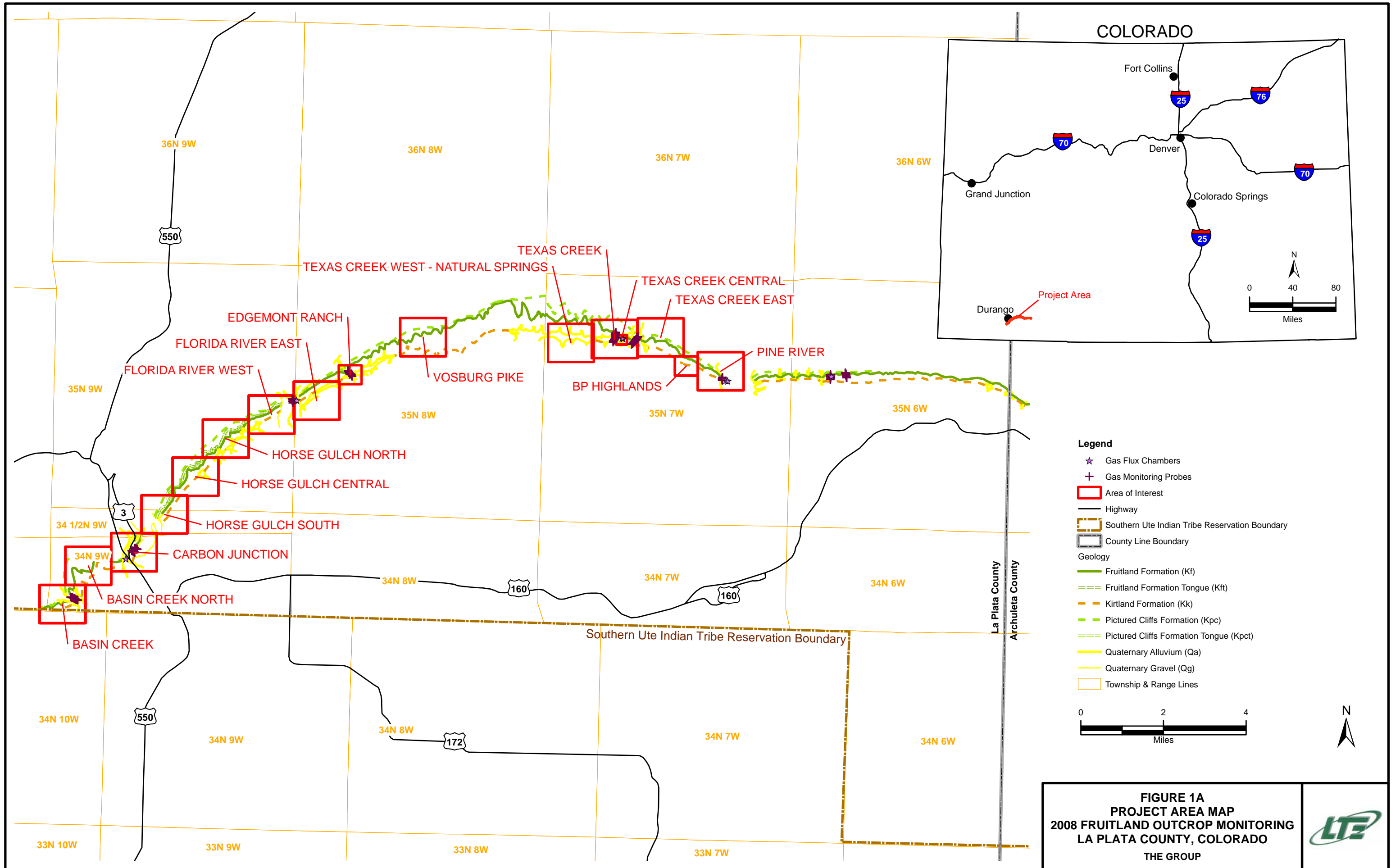
mg/L - milligrams per liter

TDS - total dissolved solids



FIGURES





**FIGURE 1A
PROJECT AREA MAP
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP**



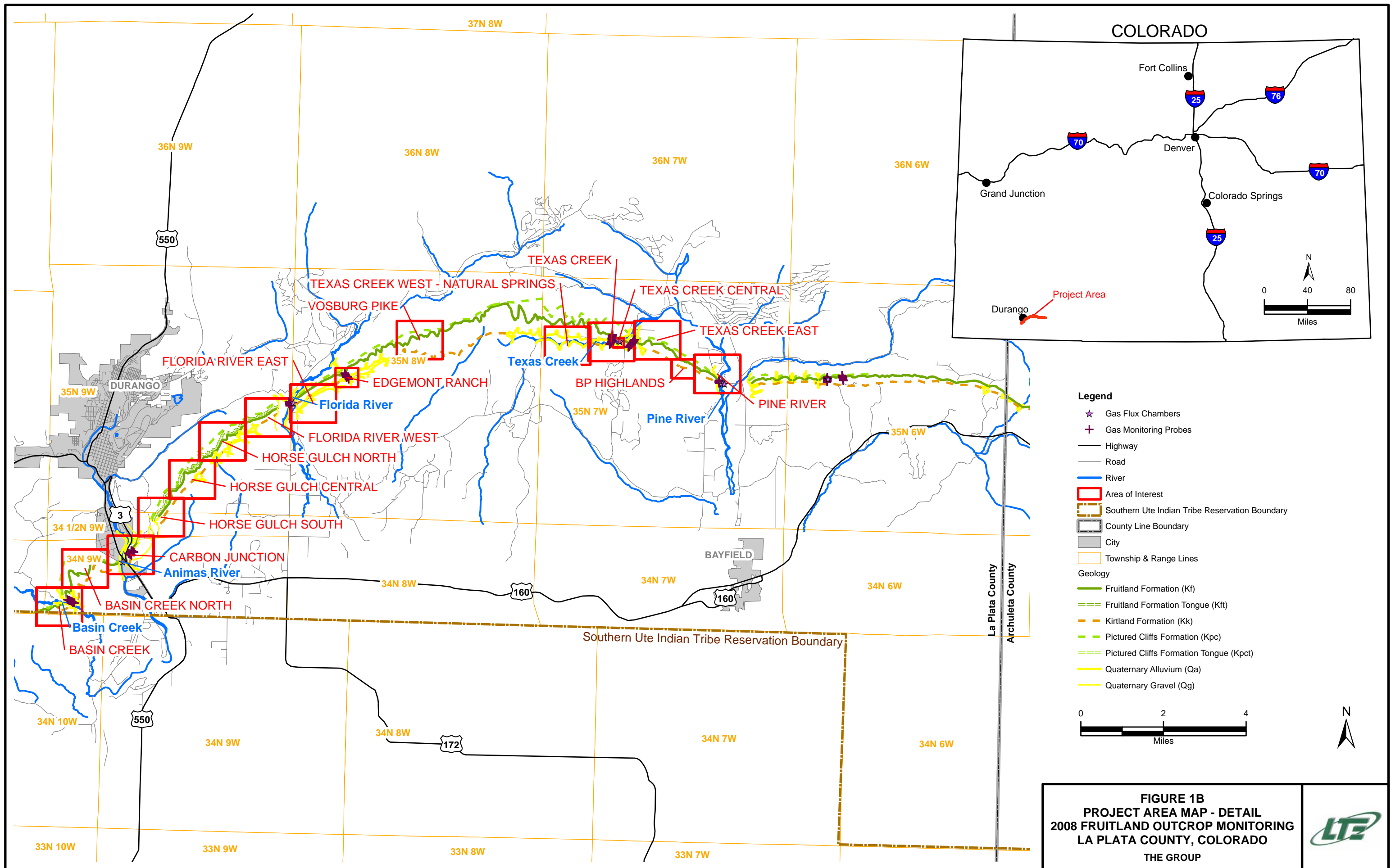
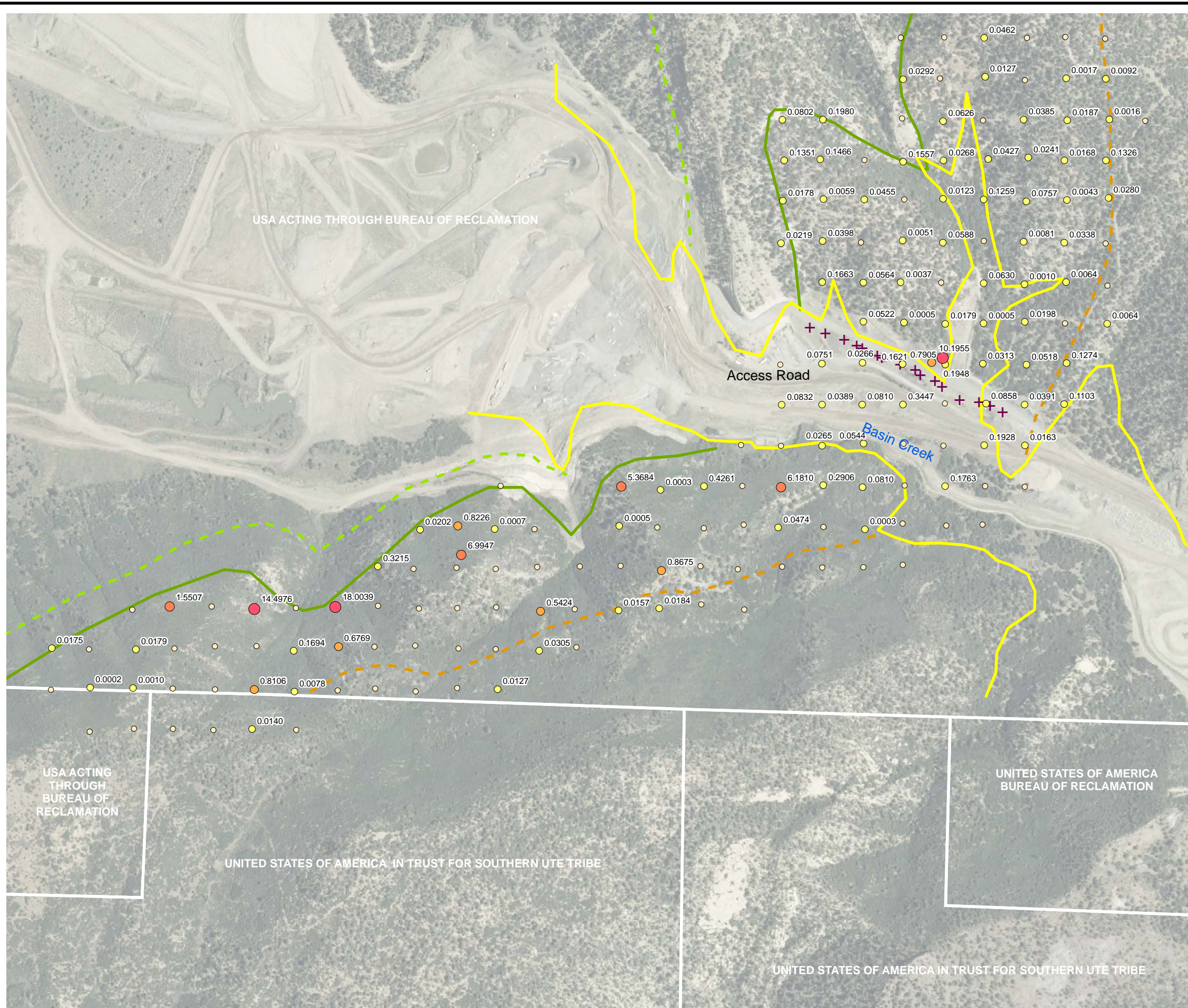


FIGURE 1B
PROJECT AREA MAP - DETAIL
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
 THE GROUP





LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² • day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- - - Kirtland Formation (Kk)
- - - Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² • day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² • day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

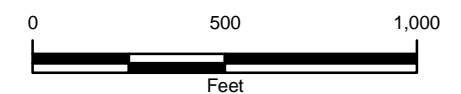
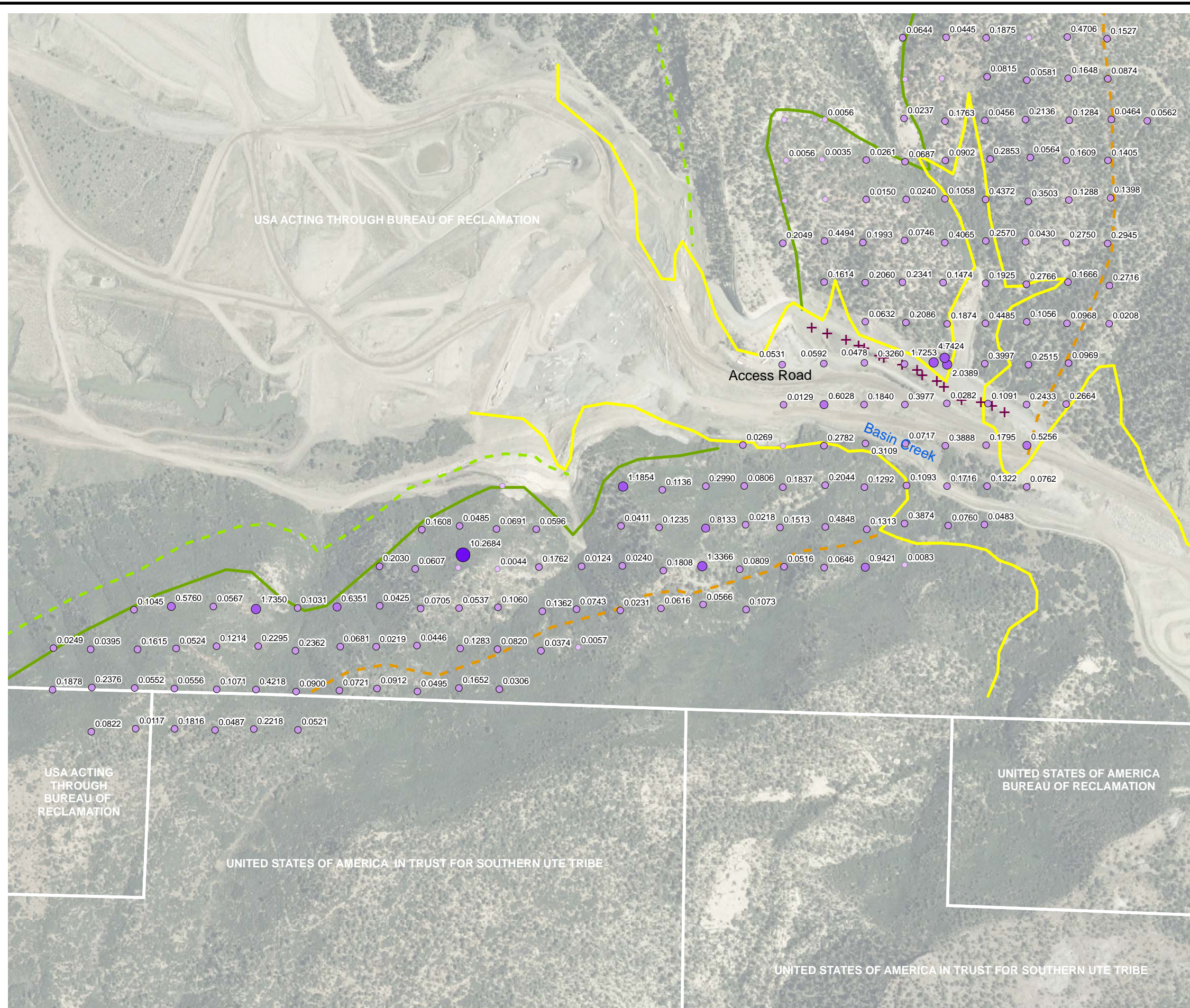


FIGURE 2
METHANE FLUX MEASUREMENTS
BASIN CREEK
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Carbon Dioxide Flux Location (mol/m² • day)

- 0.0000 - 0.0100
- 0.0101 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 5.0000
- 5.0001 - 10.0000
- 10.0001 - 25.0000

Geology

- Fruitland Formation (Kf)
- - - Fruitland Formation Tongue (Kft)
- - - Kirtland Formation (Kk)
- - - Pictured Cliffs Formation (Kpc)
- - - Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² • day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² • day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

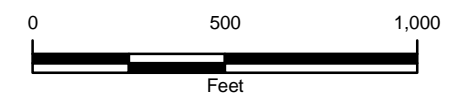
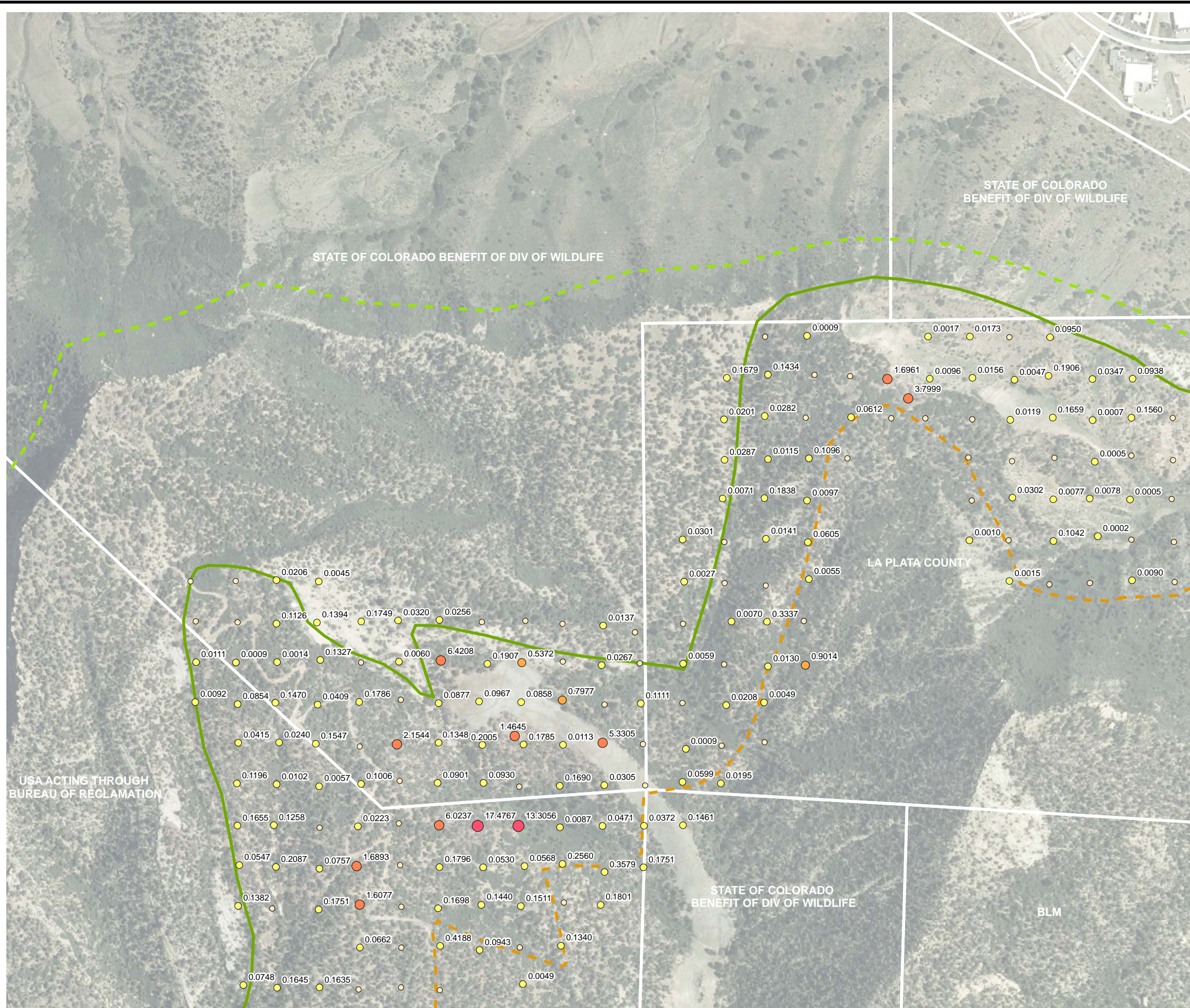


FIGURE 3
CARBON DIOXIDE FLUX MEASUREMENTS
BASIN CREEK
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





LEGEND

- ☆ Subsurface Methane Measurement
- ⊕ Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² · day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- - - Kirtland Formation (Kk)
- - - Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² · day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² · day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

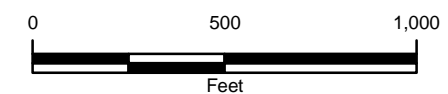
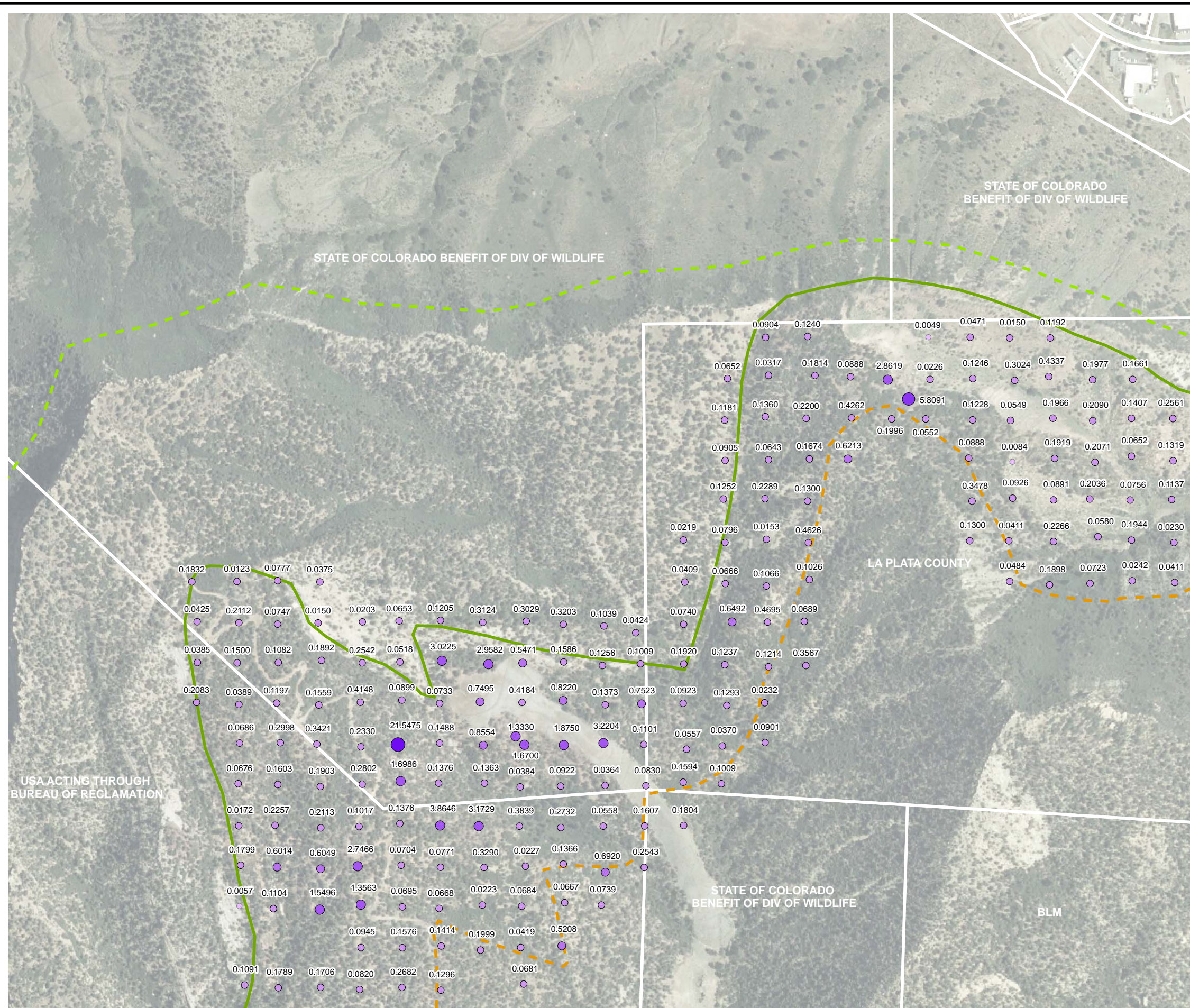


FIGURE 4
METHANE FLUX MEASUREMENTS
BASIN CREEK NORTH
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Carbon Dioxide Flux Location ($\text{mol/m}^2 \cdot \text{day}$)

- 0.0000 - 0.0100
- 0.0101 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 5.0000
- 5.0001 - 10.0000
- 10.0001 - 25.0000

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- - - Kirtland Formation (Kk)
- - - Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

$\text{mol/m}^2 \cdot \text{day}$ - moles per square meter per day
 ppm - parts per million

Flux points not labeled are 0.0000 $\text{mol/m}^2 \cdot \text{day}$ Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

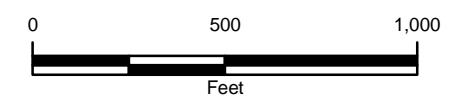
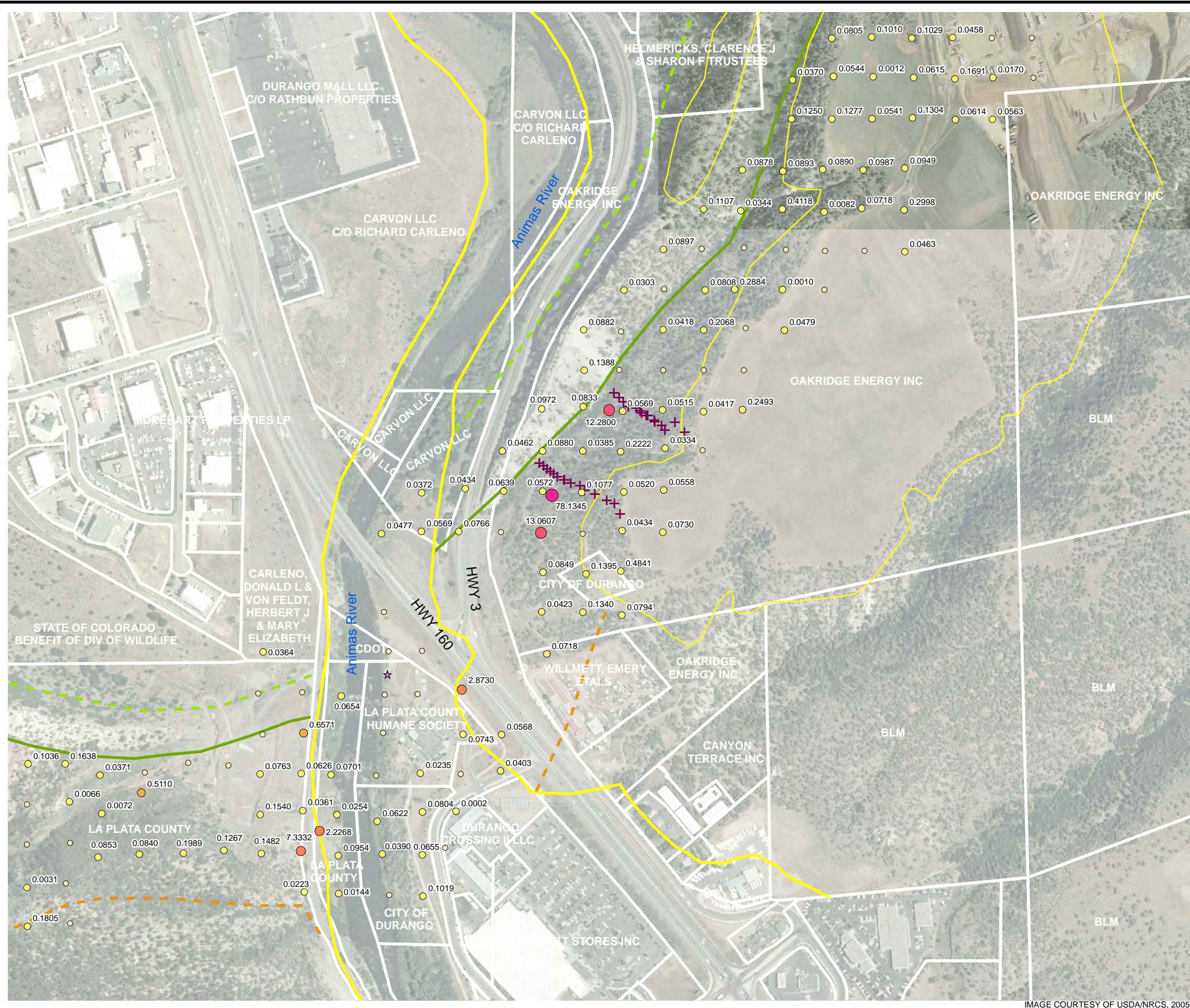


FIGURE 5
CARBON DIOXIDE FLUX MEASUREMENTS
BASIN CREEK NORTH
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² · day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

Geology

- Fruitland Formation (Kf)
- - - Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- - - Pictured Cliffs Formation (Kpc)
- - - Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² · day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² · day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

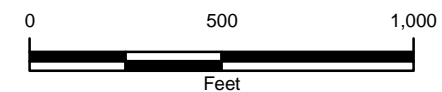
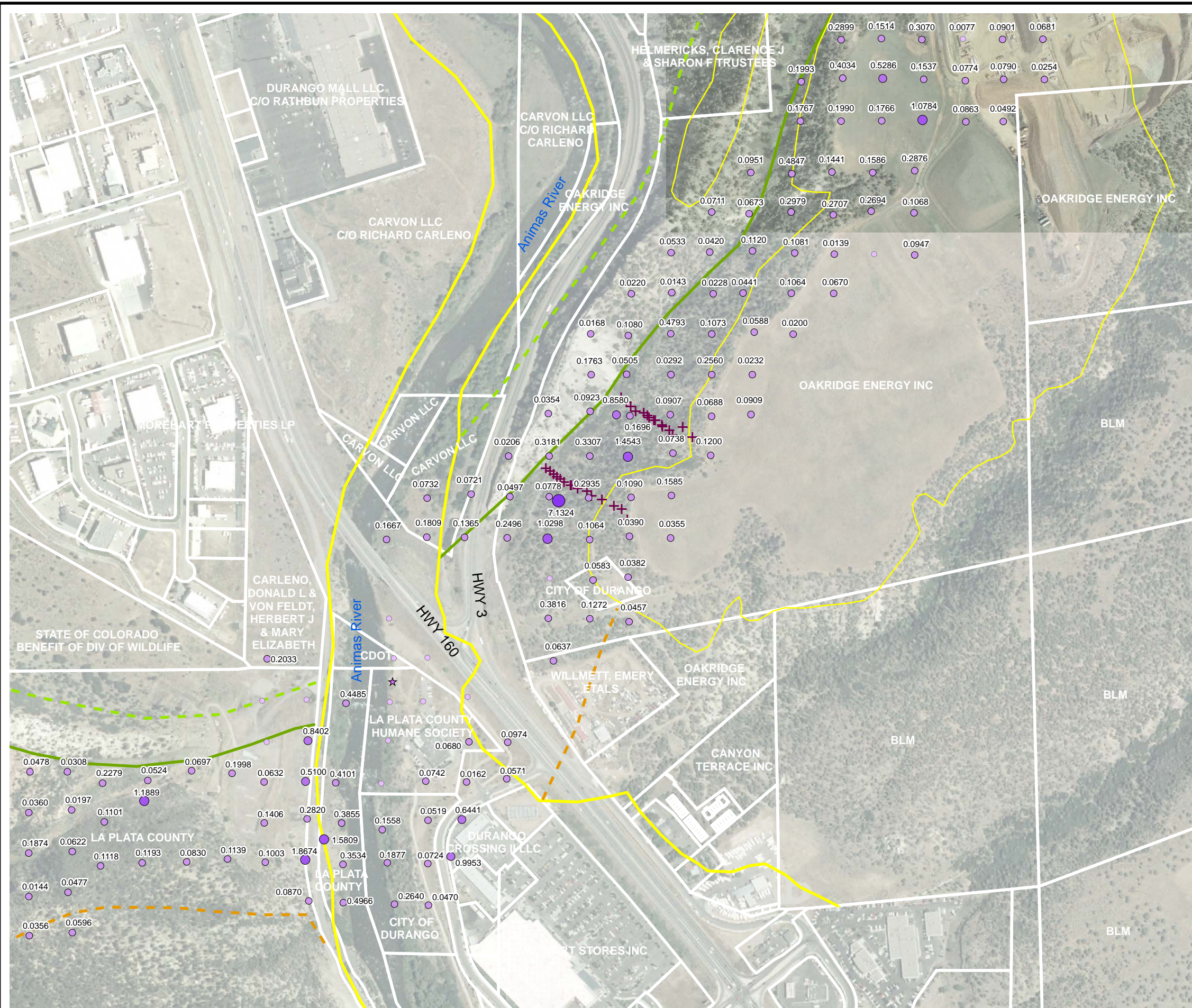


FIGURE 6
METHANE FLUX MEASUREMENTS
CARBON JUNCTION
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Carbon Dioxide Flux Location ($\text{mol/m}^2 \cdot \text{day}$)

- 0.0000 - 0.0100
- 0.0101 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 5.0000
- 5.0001 - 10.0000
- 10.0001 - 25.0000

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- - - Kirtland Formation (Kk)
- - - Pictured Cliffs Formation (Kpc)
- - - Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

$\text{mol/m}^2 \cdot \text{day}$ - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 $\text{mol/m}^2 \cdot \text{day}$ Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

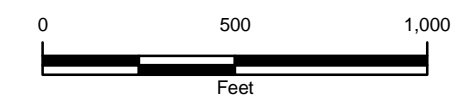
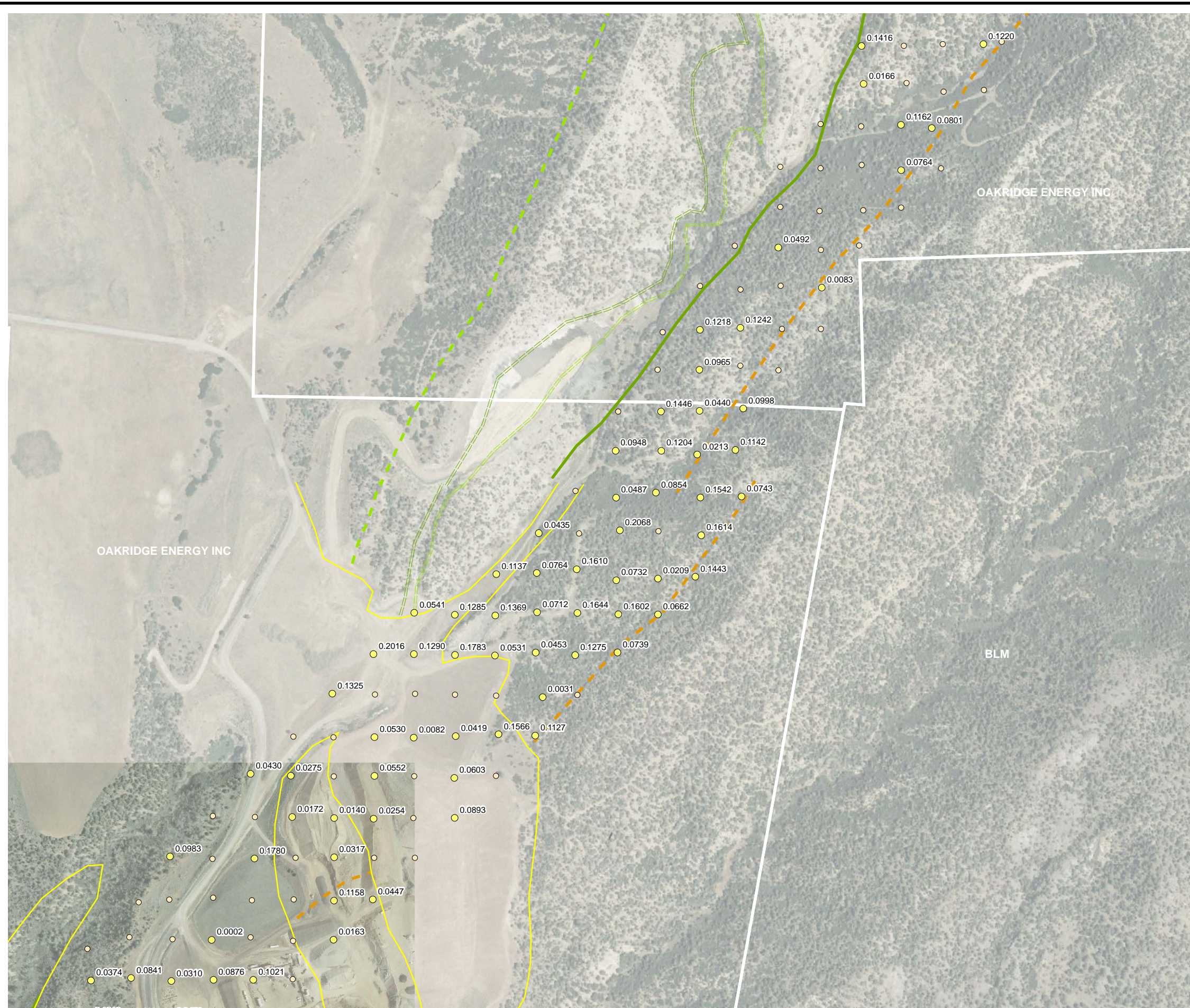


FIGURE 7
CARBON DIOXIDE FLUX MEASUREMENTS
CARBON JUNCTION
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² · day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- - - Kirtland Formation (Kk)
- - - Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² · day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² · day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

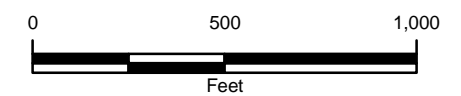
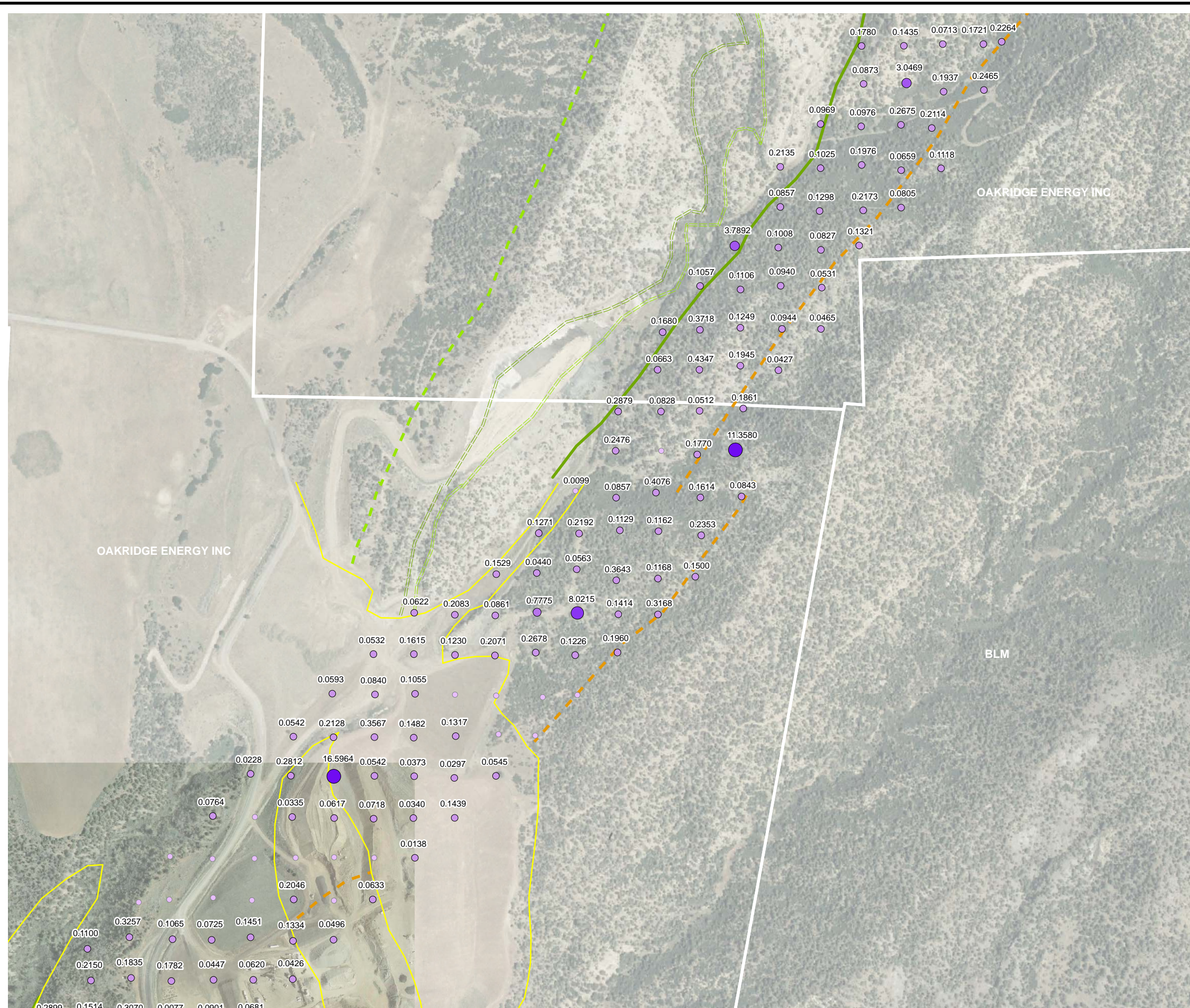


FIGURE 8
METHANE FLUX MEASUREMENTS
HORSE GULCH SOUTH
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Carbon Dioxide Flux Location ($\text{mol/m}^2 \cdot \text{day}$)

- 0.0000 - 0.0100
- 0.0101 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 5.0000
- 5.0001 - 10.0000
- 10.0001 - 25.0000

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

$\text{mol/m}^2 \cdot \text{day}$ - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 $\text{mol/m}^2 \cdot \text{day}$ Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

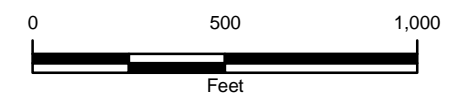
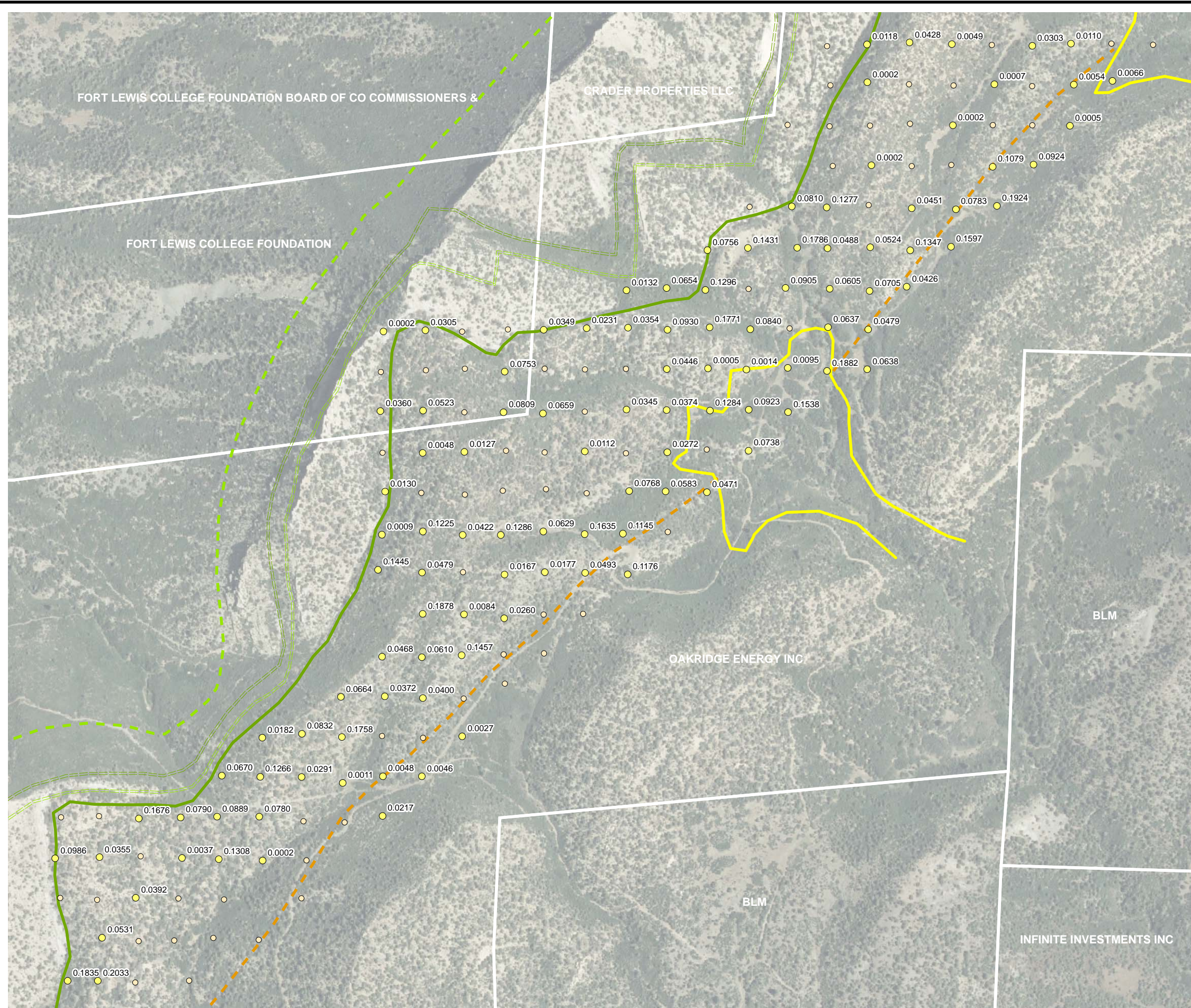


FIGURE 9
CARBON DIOXIDE FLUX MEASUREMENTS
HORSE GULCH SOUTH
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² • day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² • day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² • day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

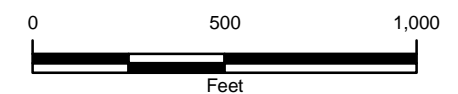
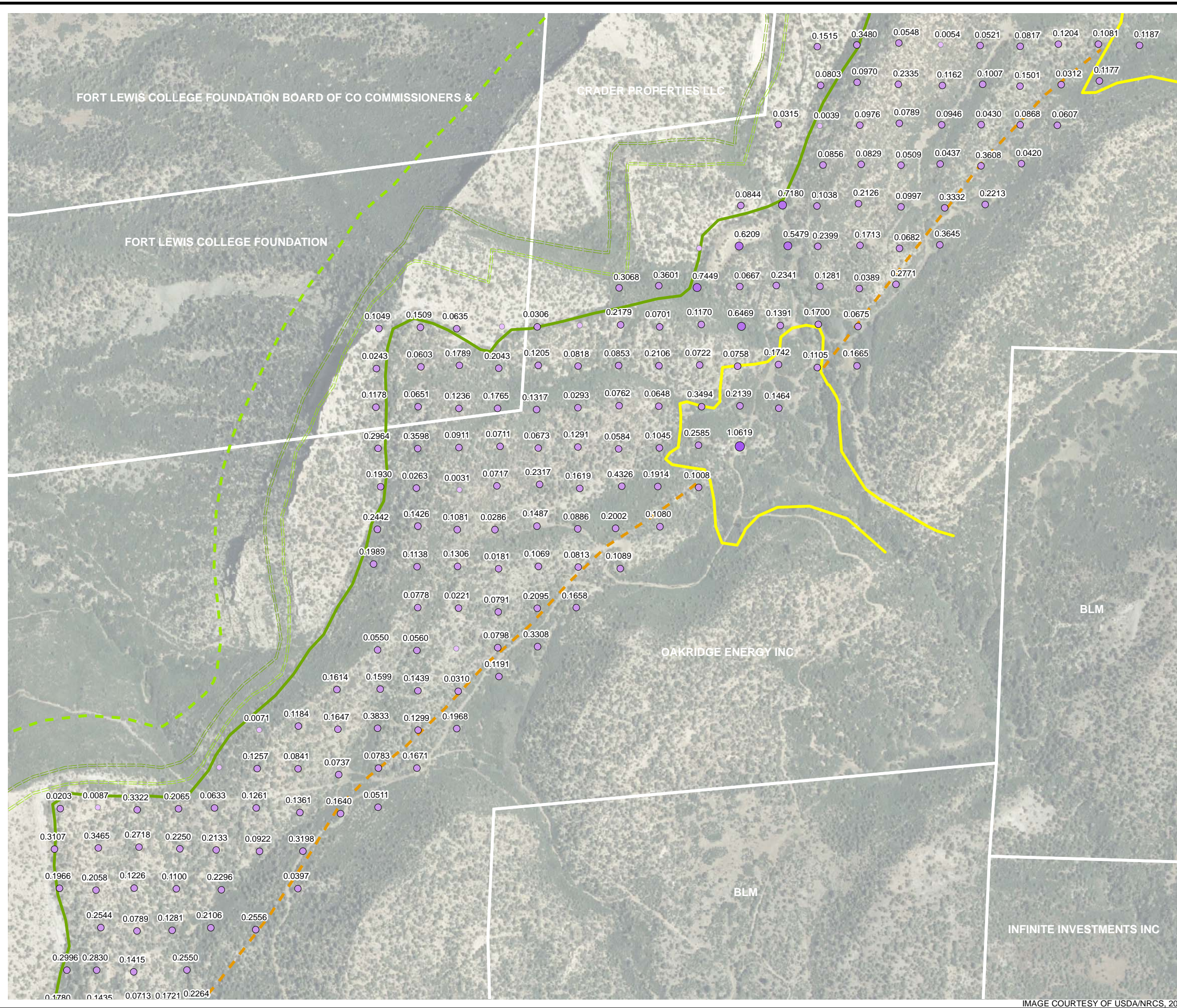


FIGURE 10
METHANE FLUX MEASUREMENTS
HORSE GULCH CENTRAL
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

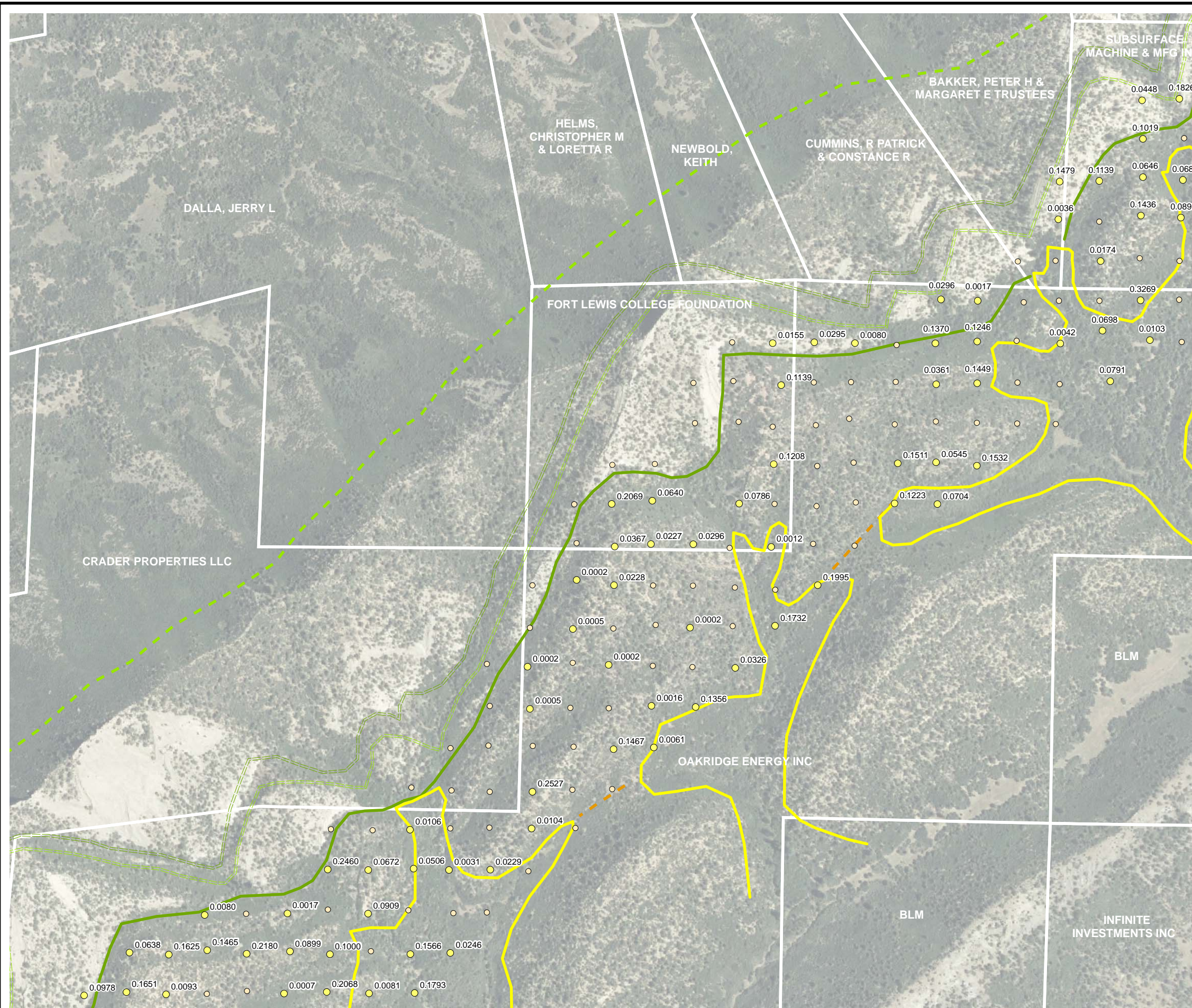
- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location (mol/m² • day)
 - 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Geology
 - Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - - - Kirtland Formation (Kk)
 - - - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² • day - moles per square meter per day
- ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² • day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 11
CARBON DIOXIDE FLUX MEASUREMENTS
HORSE GULCH CENTRAL
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

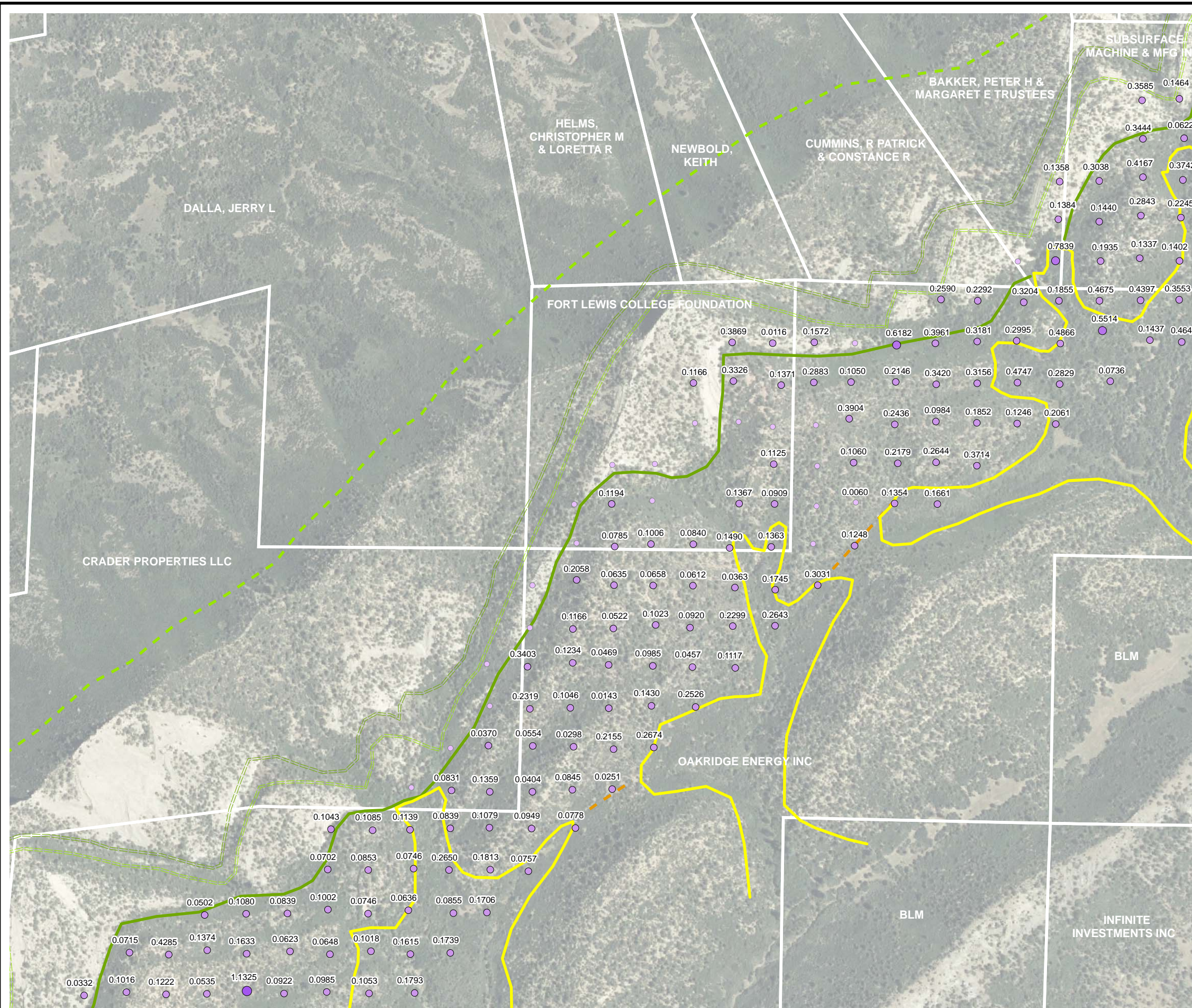
- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Methane Flux Location (mol/m² · day)
- 0.0000
 - 0.0001 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 1175.0000
- Geology
- Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² · day - moles per square meter per day
 ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² · day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 12
METHANE FLUX MEASUREMENTS
HORSE GULCH NORTH
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

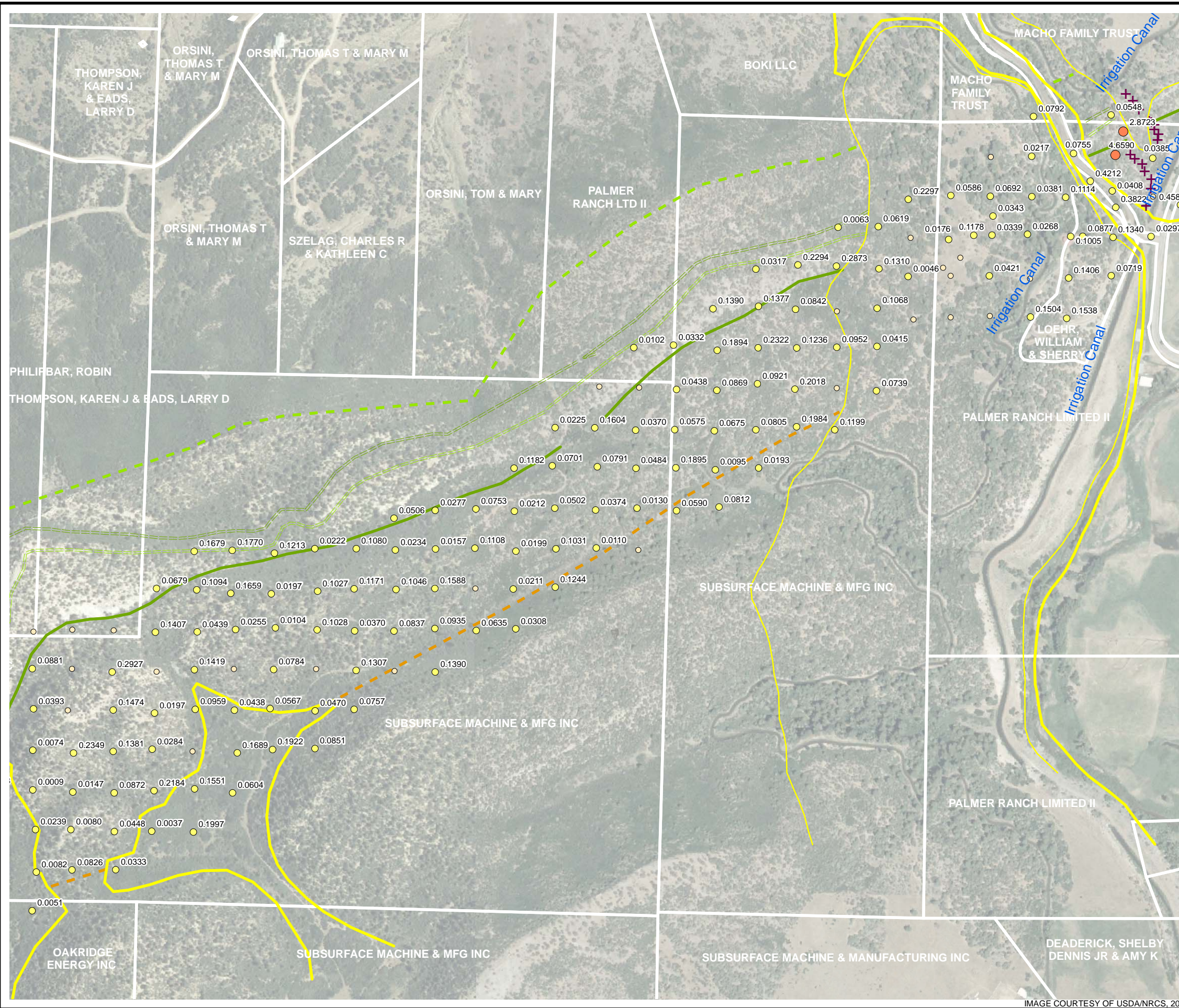
- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location (mol/m² · day)
 - 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Geology
 - Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² · day - moles per square meter per day
- ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² · day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 13
CARBON DIOXIDE FLUX MEASUREMENTS
HORSE GULCH NORTH
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² · day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² · day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² · day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

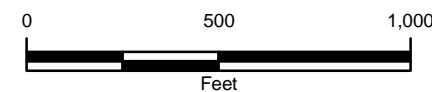
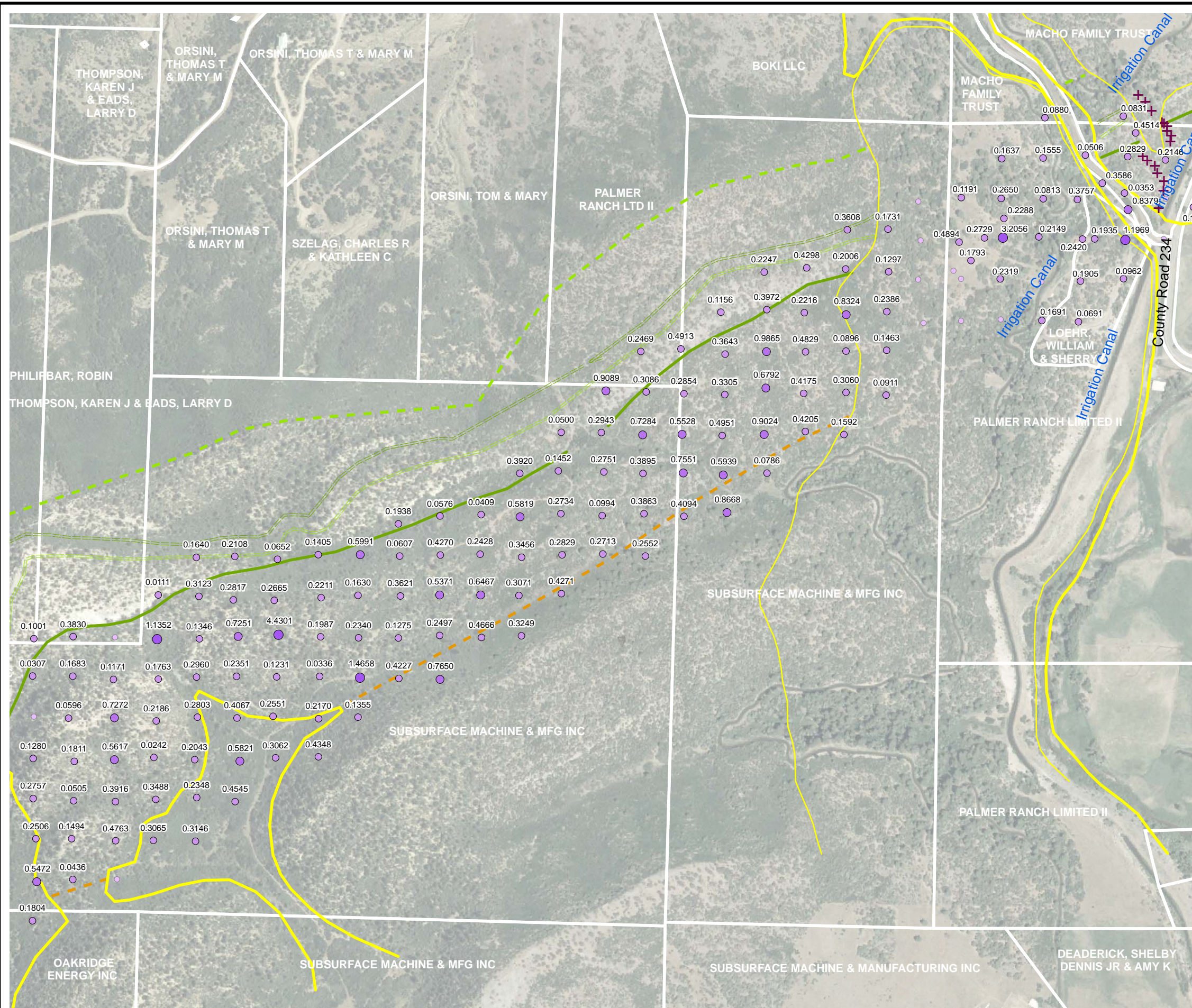


FIGURE 14
METHANE FLUX MEASUREMENTS
FLORIDA RIVER WEST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

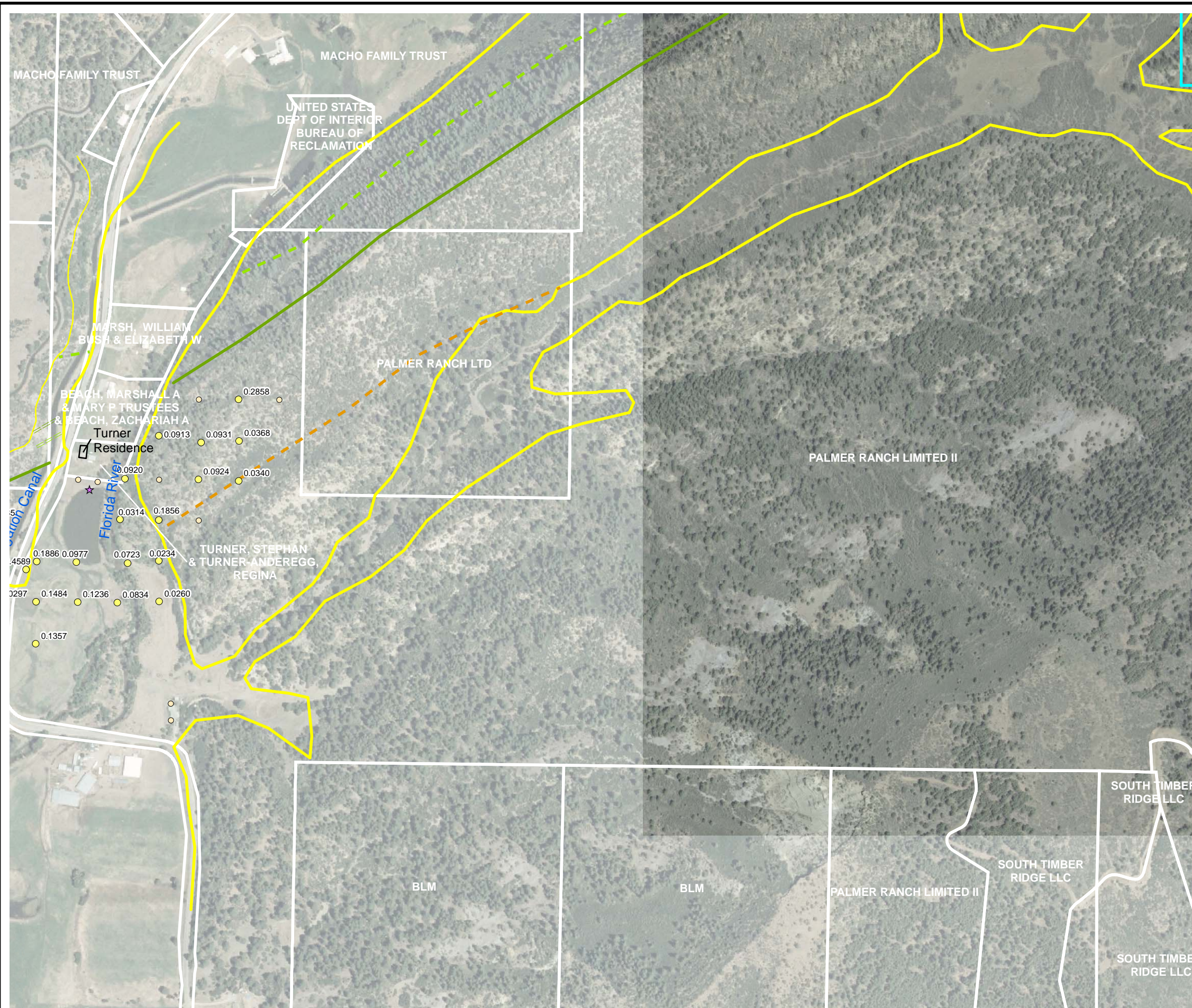
- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location (mol/m² • day)
- 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Geology
- Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² • day - moles per square meter per day
ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² • day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 15
CARBON DIOXIDE FLUX MEASUREMENTS
FLORIDA RIVER WEST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² · day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² · day - moles per square meter per day
 ppm - parts per million

Flux points not labeled are 0.0000 mol/m² · day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

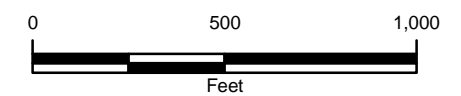


FIGURE 16
METHANE FLUX MEASUREMENTS
FLORIDA RIVER EAST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

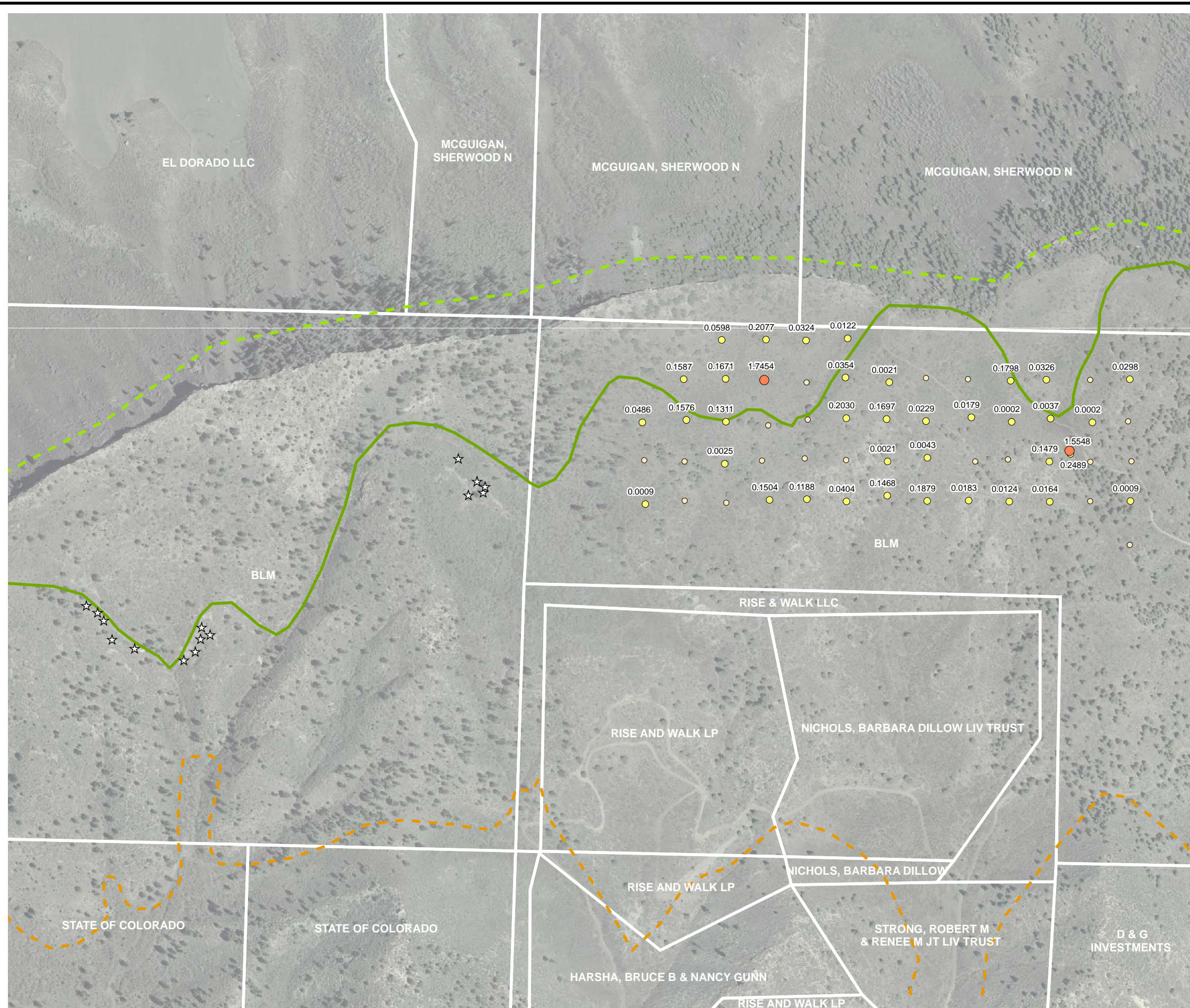
- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ☆ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location ($\text{mol/m}^2 \cdot \text{day}$)
- 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Geology
- Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- $\text{mol/m}^2 \cdot \text{day}$ - moles per square meter per day
 ppm - parts per million
- Flux points not labeled are 0.0000 $\text{mol/m}^2 \cdot \text{day}$ Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 17
CARBON DIOXIDE FLUX MEASUREMENTS
FLORIDA RIVER EAST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² · day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² · day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² · day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

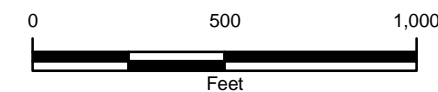
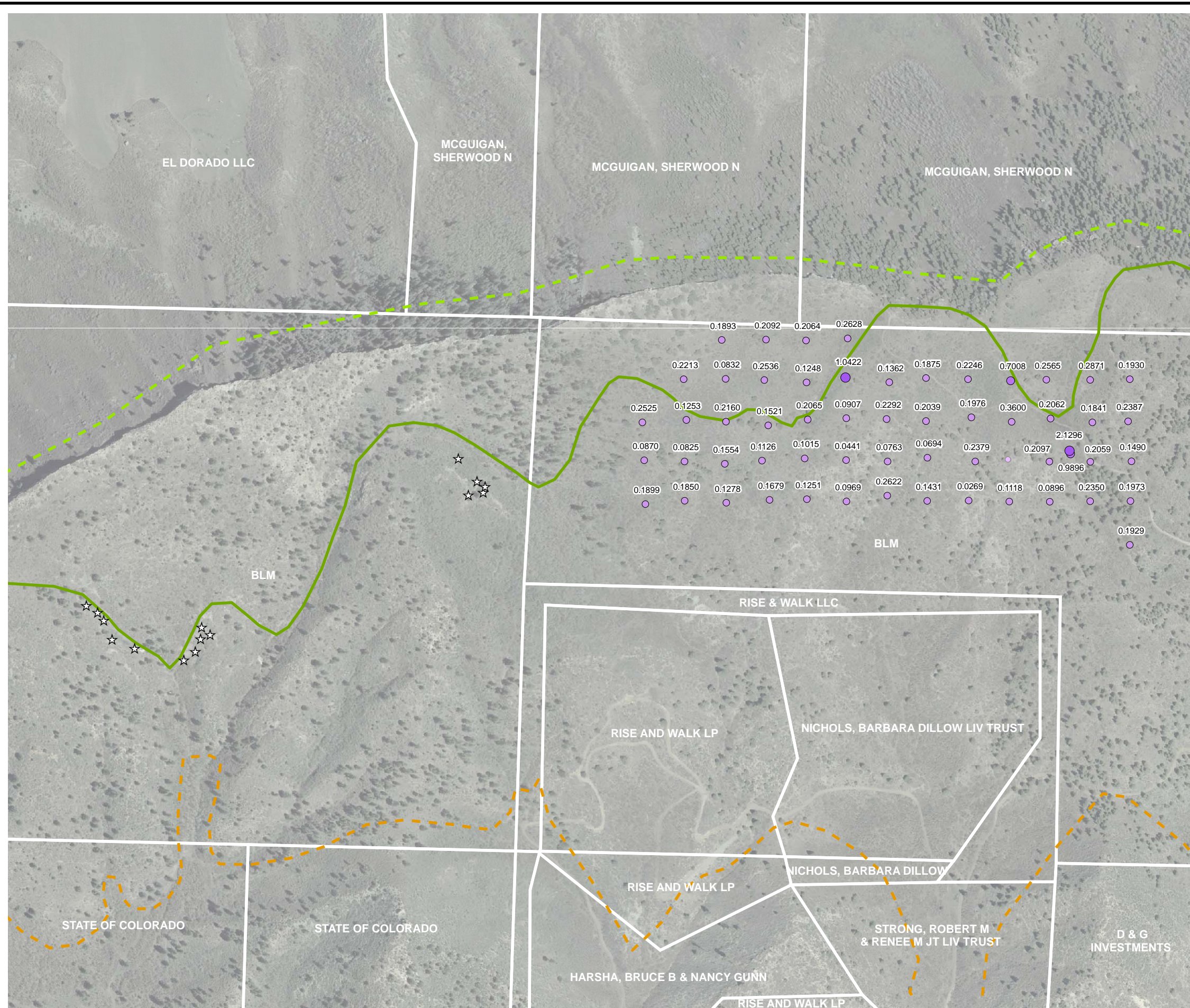


FIGURE 18
METHANE FLUX MEASUREMENTS
VOSBURG PIKE
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

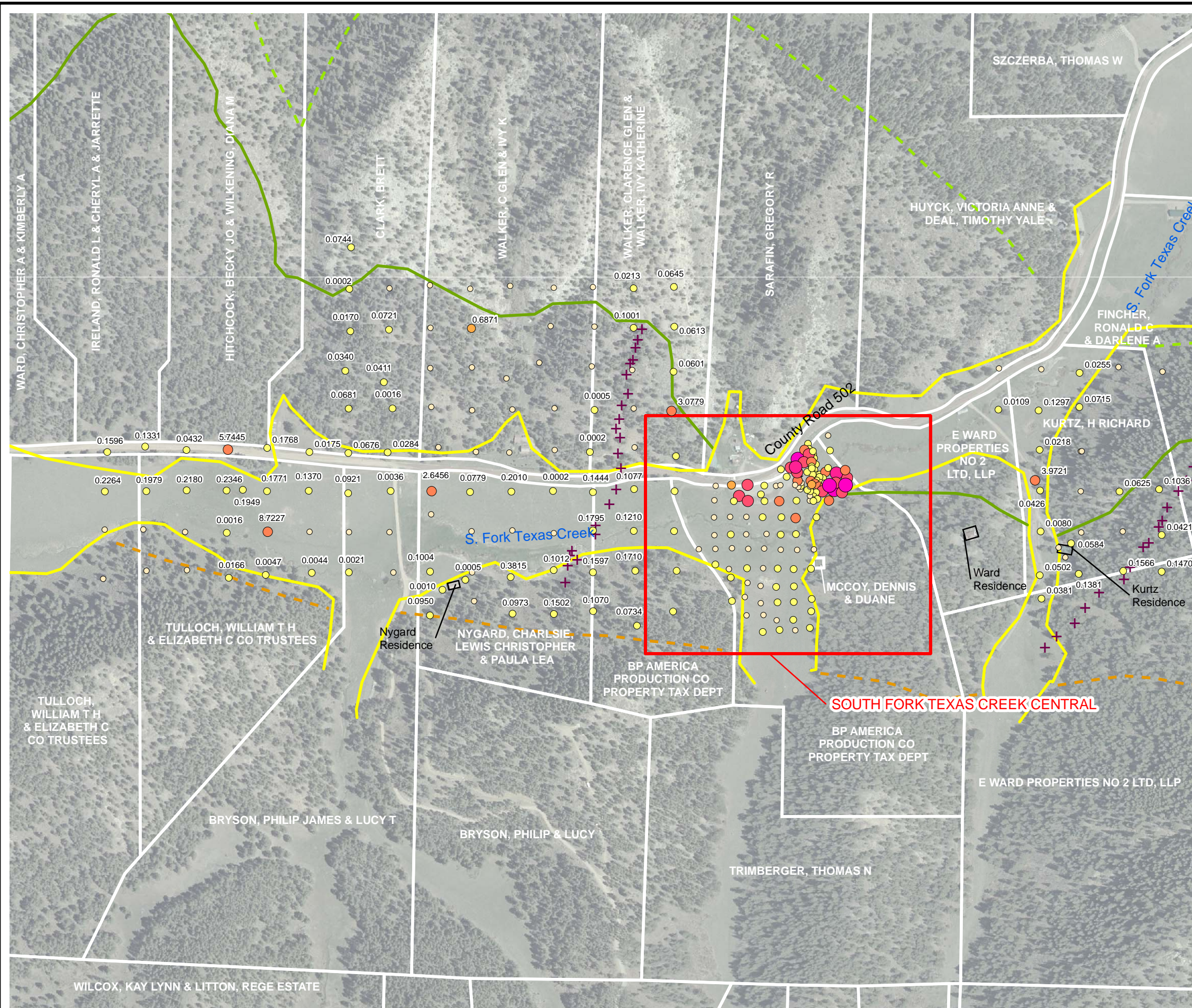
- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location (mol/m² · day)
- 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Geology
- Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² · day - moles per square meter per day
ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² · day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 19
CARBON DIOXIDE FLUX MEASUREMENTS
VOSBURG PIKE
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

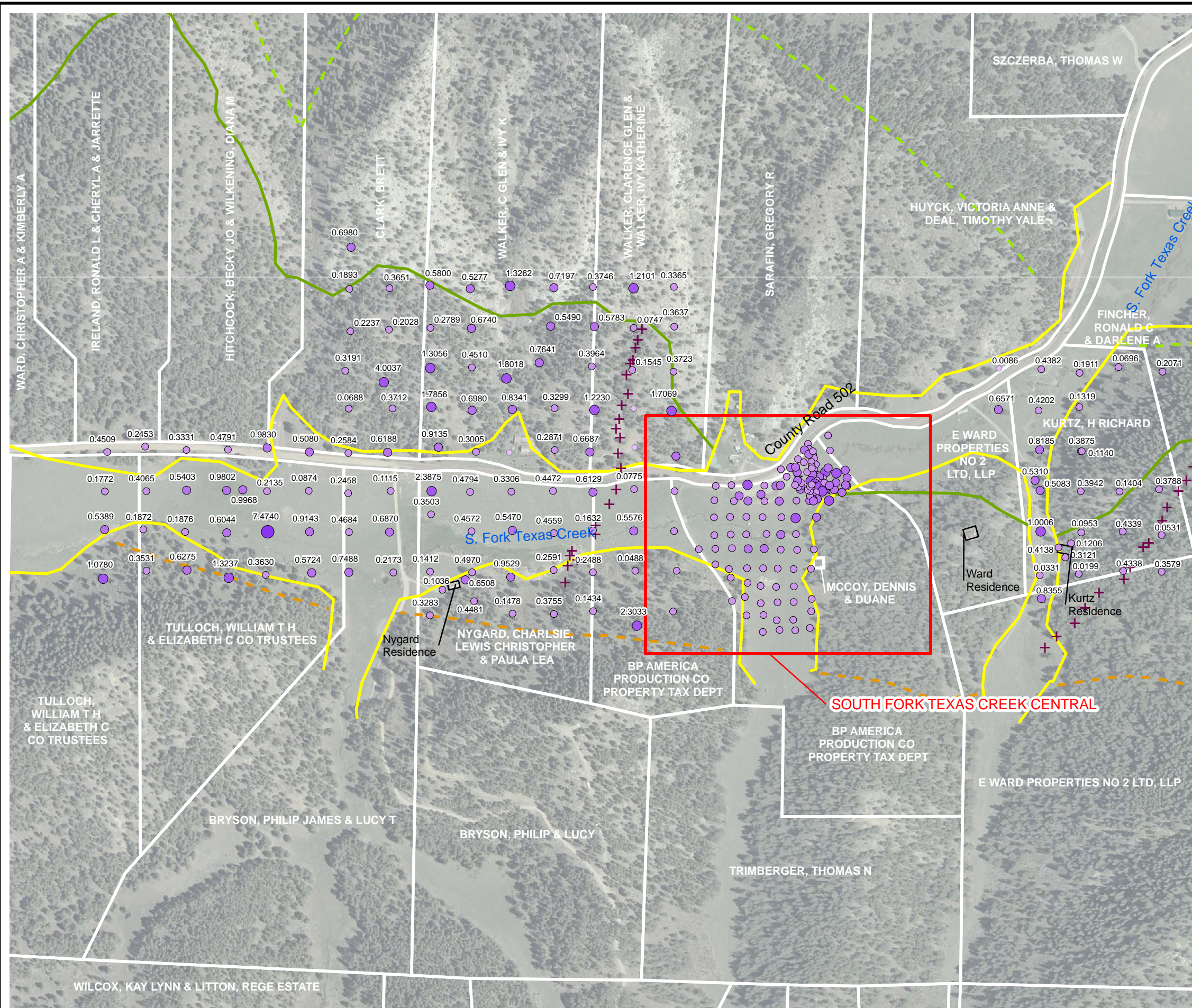
- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Methane Flux Location (mol/m² · day)
- 0.0000
 - 0.0001 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 1175.0000
- Geology
- Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² · day - moles per square meter per day
ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² · day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 20
METHANE FLUX MEASUREMENTS
SOUTH FORK TEXAS CREEK WEST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

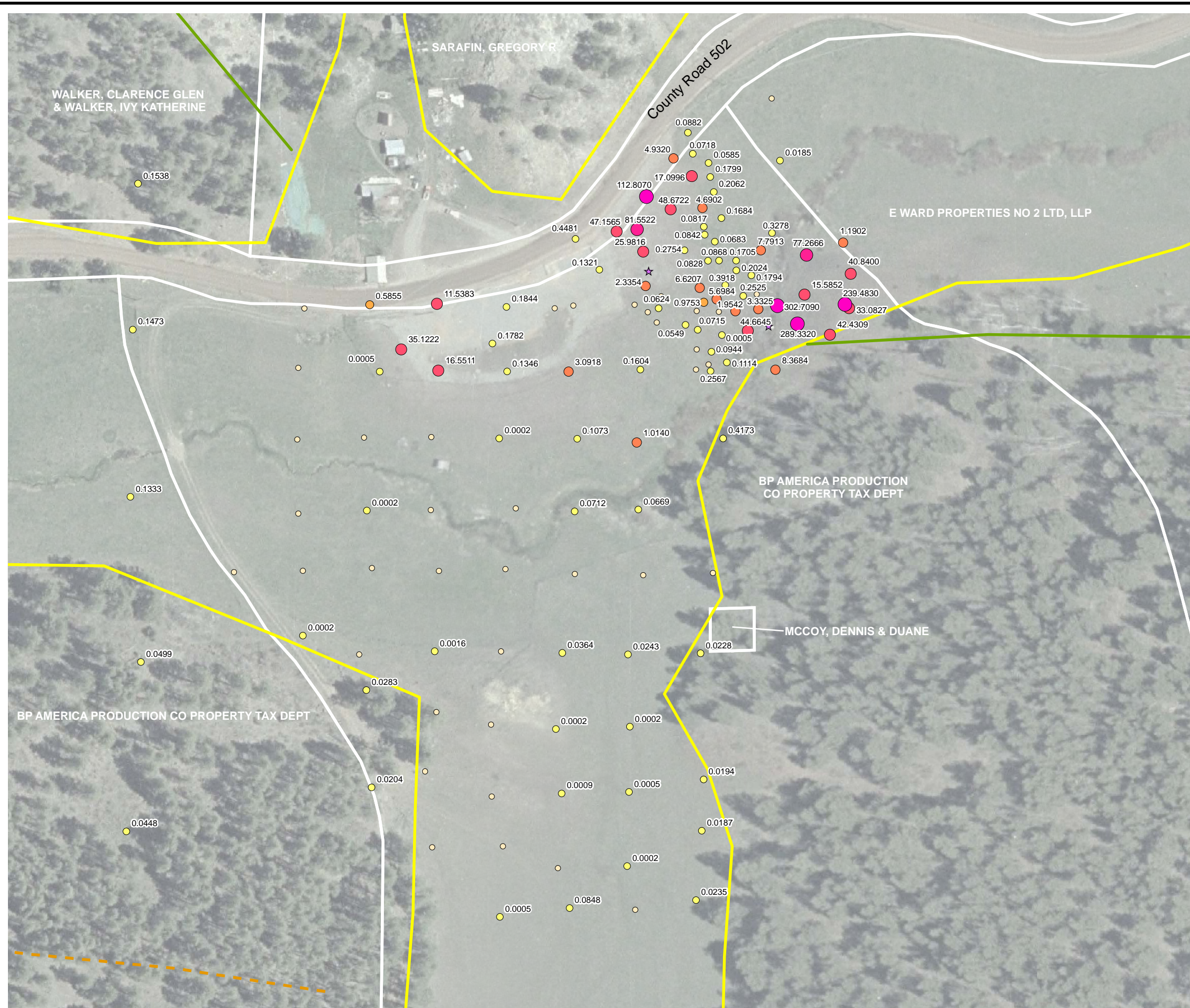
- ☆ Subsurface Methane Measurement
- ✚ Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location ($\text{mol/m}^2 \cdot \text{day}$)
 - 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Geology
 - Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- $\text{mol/m}^2 \cdot \text{day}$ - moles per square meter per day
- ppm - parts per million
- Flux points not labeled are 0.0000 $\text{mol/m}^2 \cdot \text{day}$ Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 21
CARBON DIOXIDE FLUX MEASUREMENTS
SOUTH FORK TEXAS CREEK WEST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² · day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² · day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² · day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

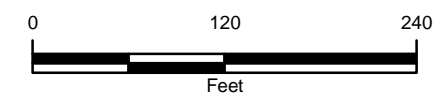
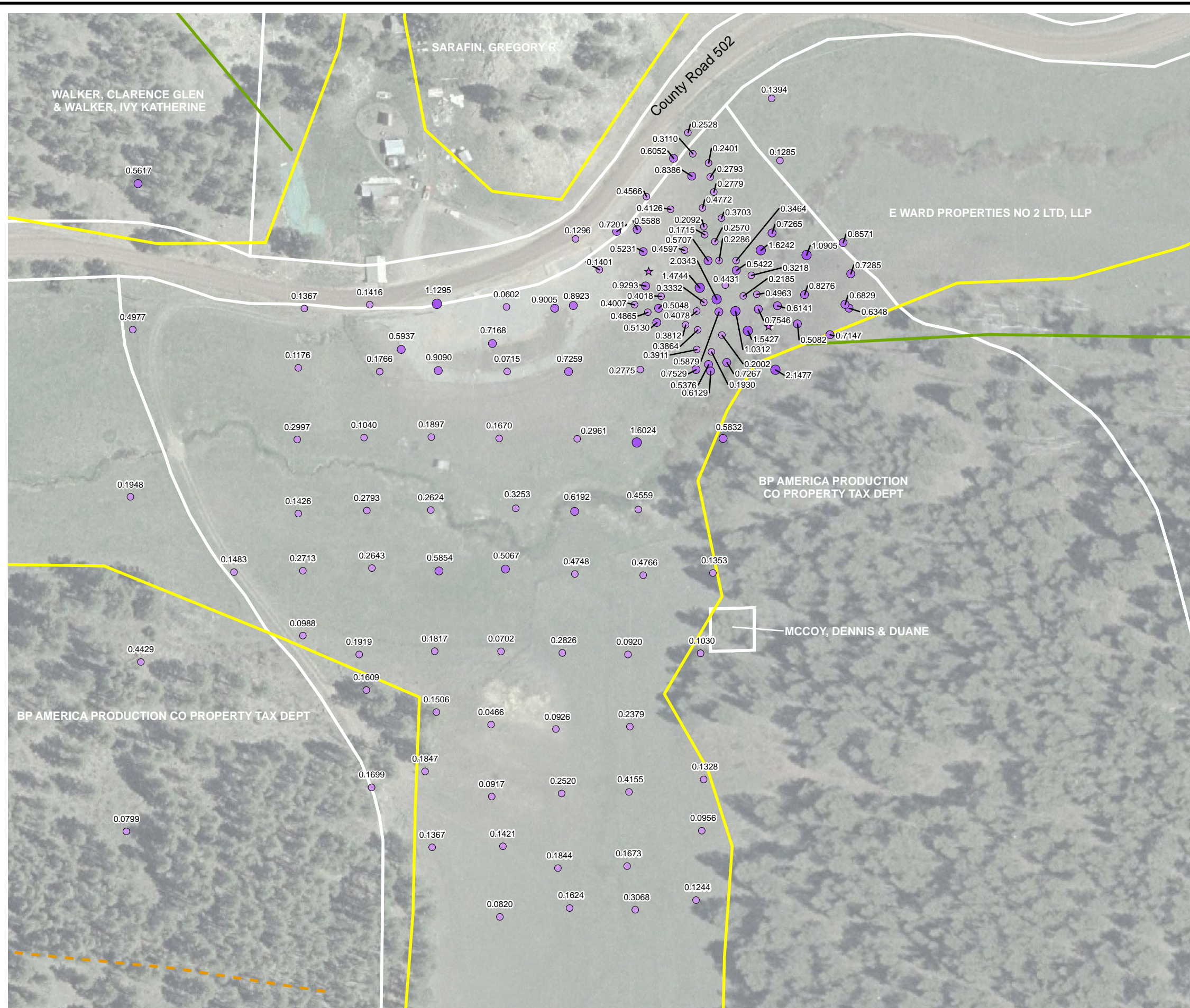


FIGURE 22
METHANE FLUX MEASUREMENTS
SOUTH FORK TEXAS CREEK CENTRAL
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers

Parcel Boundary & Owner (white)

Carbon Dioxide Flux Location ($\text{mol/m}^2 \cdot \text{day}$)

- 0.0000 - 0.0100
- 0.0101 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 5.0000
- 5.0001 - 10.0000
- 10.0001 - 25.0000

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

$\text{mol/m}^2 \cdot \text{day}$ - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 $\text{mol/m}^2 \cdot \text{day}$ Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

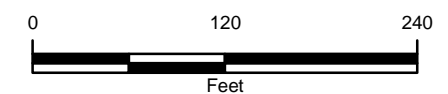
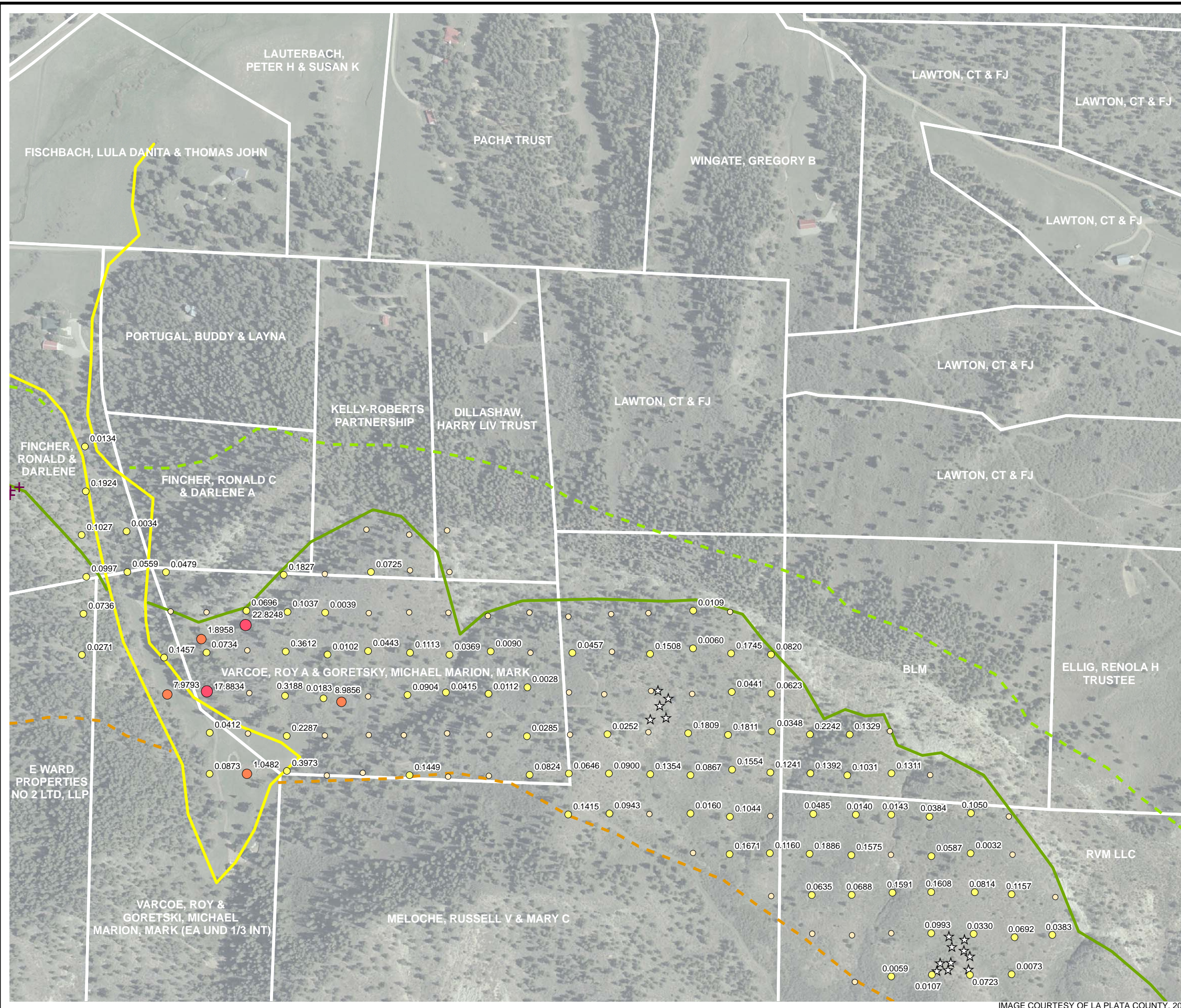


FIGURE 23
CARBON DIOXIDE FLUX MEASUREMENTS
SOUTH FORK TEXAS CREEK CENTRAL
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² • day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

Geology

- Fruitland Formation (Kf)
- - - Fruitland Formation Tongue (Kft)
- - - Kirtland Formation (Kk)
- - - Pictured Cliffs Formation (Kpc)
- - - Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² • day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² • day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

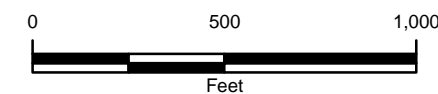
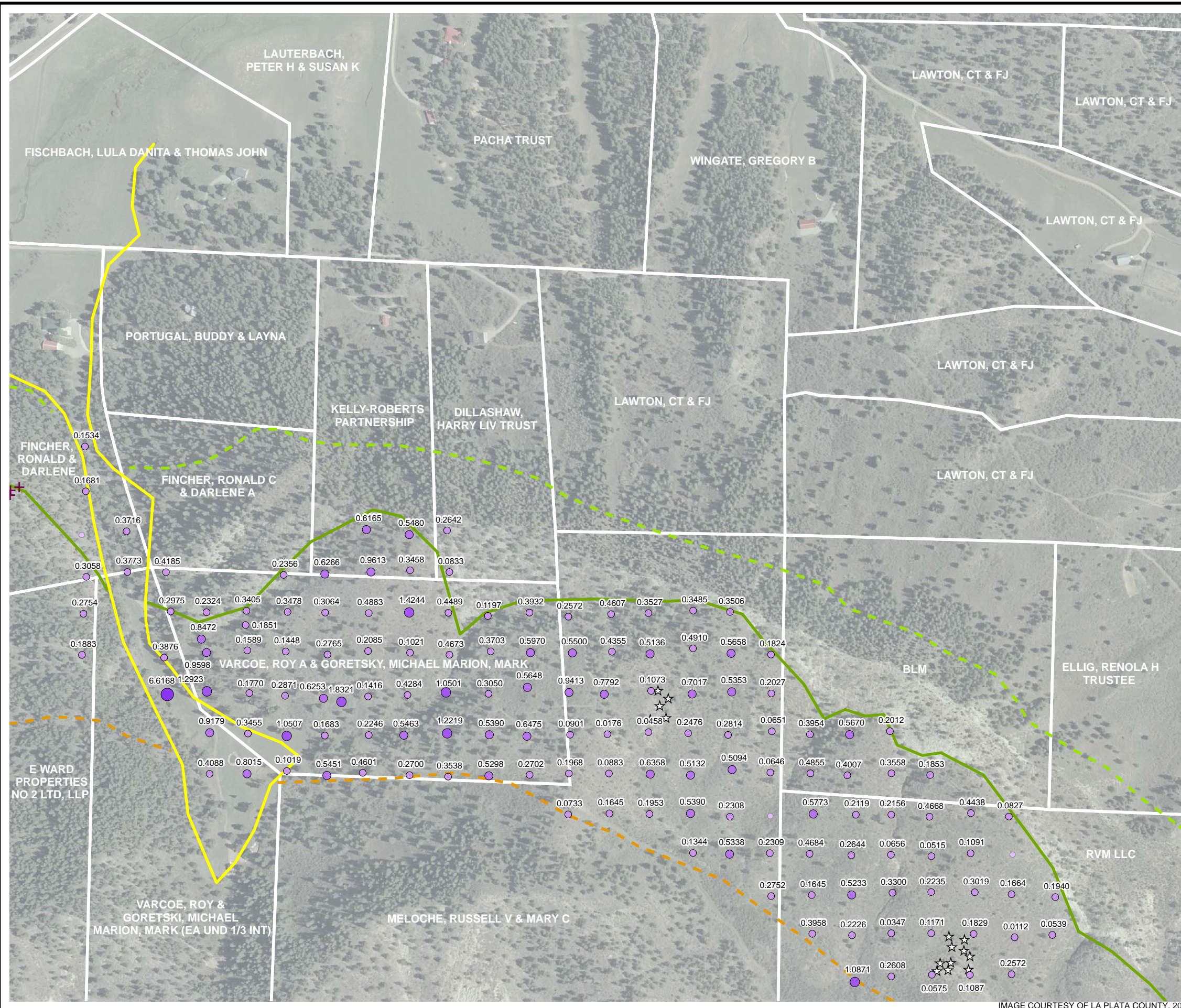


FIGURE 24
METHANE FLUX MEASUREMENTS
SOUTH FORK TEXAS CREEK EAST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Carbon Dioxide Flux Location ($\text{mol/m}^2 \cdot \text{day}$)

- 0.0000 - 0.0100
- 0.0101 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 5.0000
- 5.0001 - 10.0000
- 10.0001 - 25.0000

Geology

- Fruitland Formation (Kf)
- - - Fruitland Formation Tongue (Kft)
- - - Kirtland Formation (Kk)
- - - Pictured Cliffs Formation (Kpc)
- - - Pictured Cliffs Formation Tongue (Kpct)
- - - Quaternary Alluvium (Qa)
- - - Quaternary Gravel (Qg)

$\text{mol/m}^2 \cdot \text{day}$ - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 $\text{mol/m}^2 \cdot \text{day}$ Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

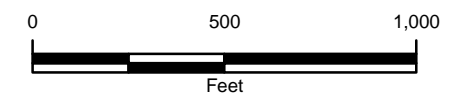
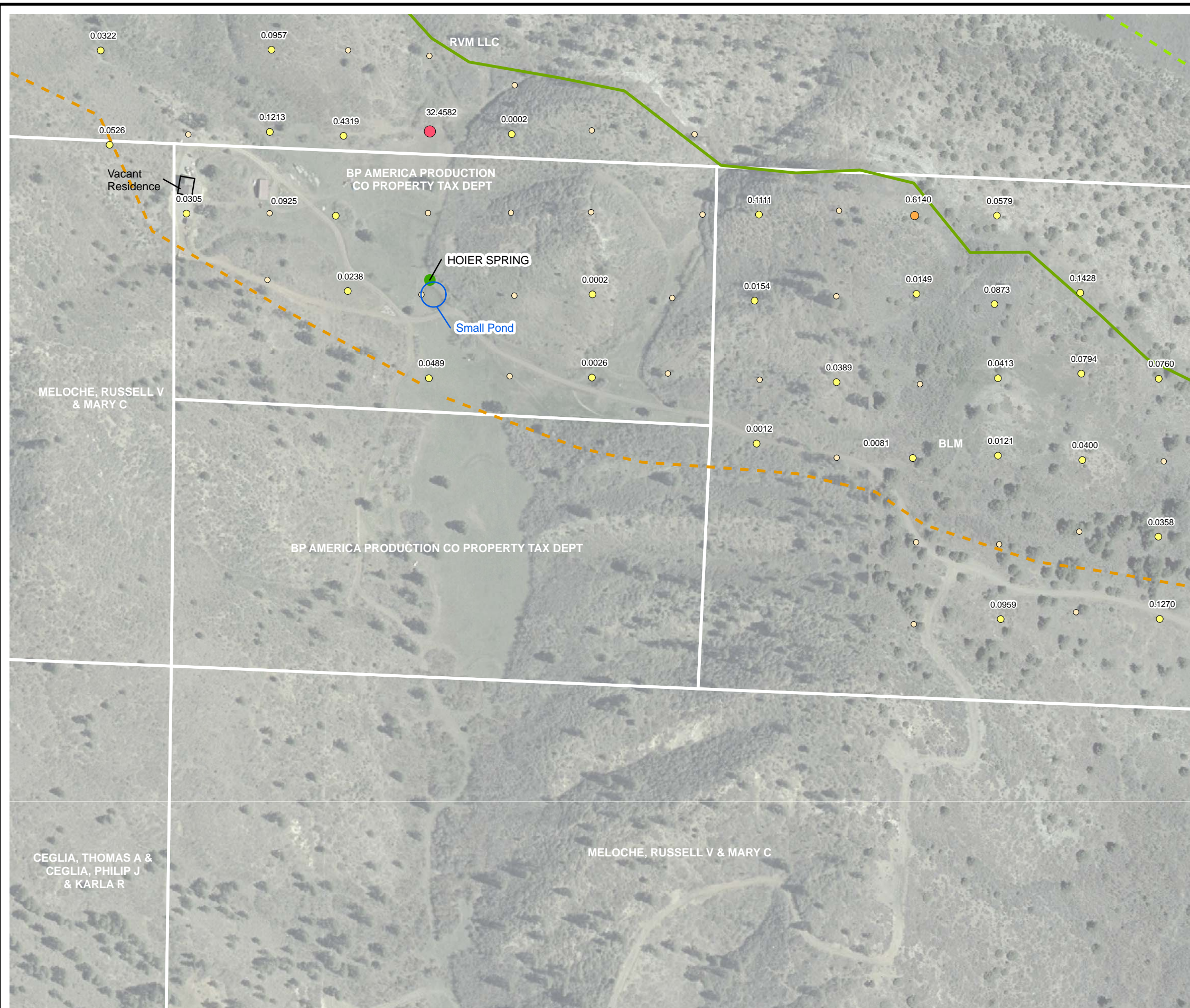


FIGURE 25
CARBON DIOXIDE FLUX MEASUREMENTS
SOUTH FORK TEXAS CREEK EAST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

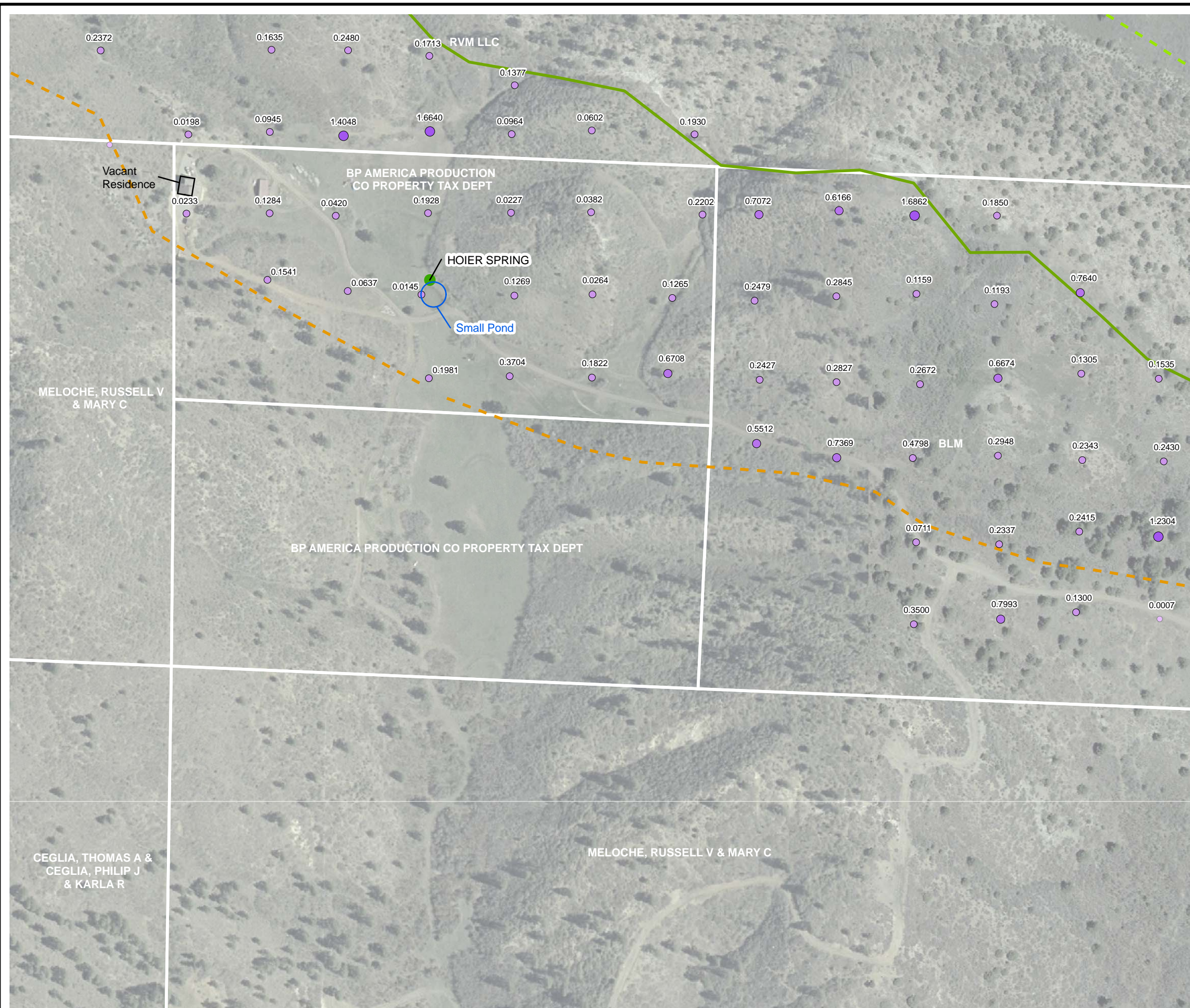
- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)
- Natural Spring Location
 - Sampled
 - Field Parameters Only
 - Dry
 - Not Located
 - No Access
- Methane Flux Location (mol/m² · day)
 - 0.0000
 - 0.0001 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 1175.0000
- Geology
 - Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² · day - moles per square meter per day
ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² · day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 26
METHANE FLUX MEASUREMENTS
BP HIGHLANDS
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ☆ Gas Flux Chambers
- Parcel Boundary & Owner (white)
- Natural Spring Location
 - Sampled
 - Field Parameters Only
 - Dry
 - Not Located
 - No Access
- Carbon Dioxide Flux Location (mol/m² • day)
 - 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Geology
 - Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - - - Kirtland Formation (Kk)
 - - - Pictured Cliffs Formation (Kpc)
 - - - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² • day - moles per square meter per day
ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² • day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 27
CARBON DIOXIDE FLUX MEASUREMENTS
BP HIGHLANDS
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ☆ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² • day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- - - Kirtland Formation (Kk)
- - - Pictured Cliffs Formation (Kpc)
- - - Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² • day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² • day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 28
METHANE FLUX MEASUREMENTS
PINE RIVER
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

- ☆ Subsurface Methane Measurement
- ✚ Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location ($\text{mol/m}^2 \cdot \text{day}$)
 - 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Geology
 - Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- $\text{mol/m}^2 \cdot \text{day}$ - moles per square meter per day
- ppm - parts per million
- Flux points not labeled are 0.0000 $\text{mol/m}^2 \cdot \text{day}$ Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 29
CARBON DIOXIDE FLUX MEASUREMENTS
PINE RIVER
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)
- Methane Flux Location (mol/m² • day)
 - 0.0000
 - 0.0001 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 1175.0000
- Methane Flux Contour in mol/m² • day (Interval Varies)
- Geology
 - Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² • day - moles per square meter per day
- ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² • day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

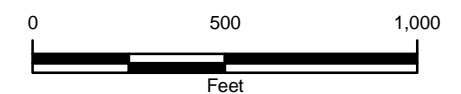
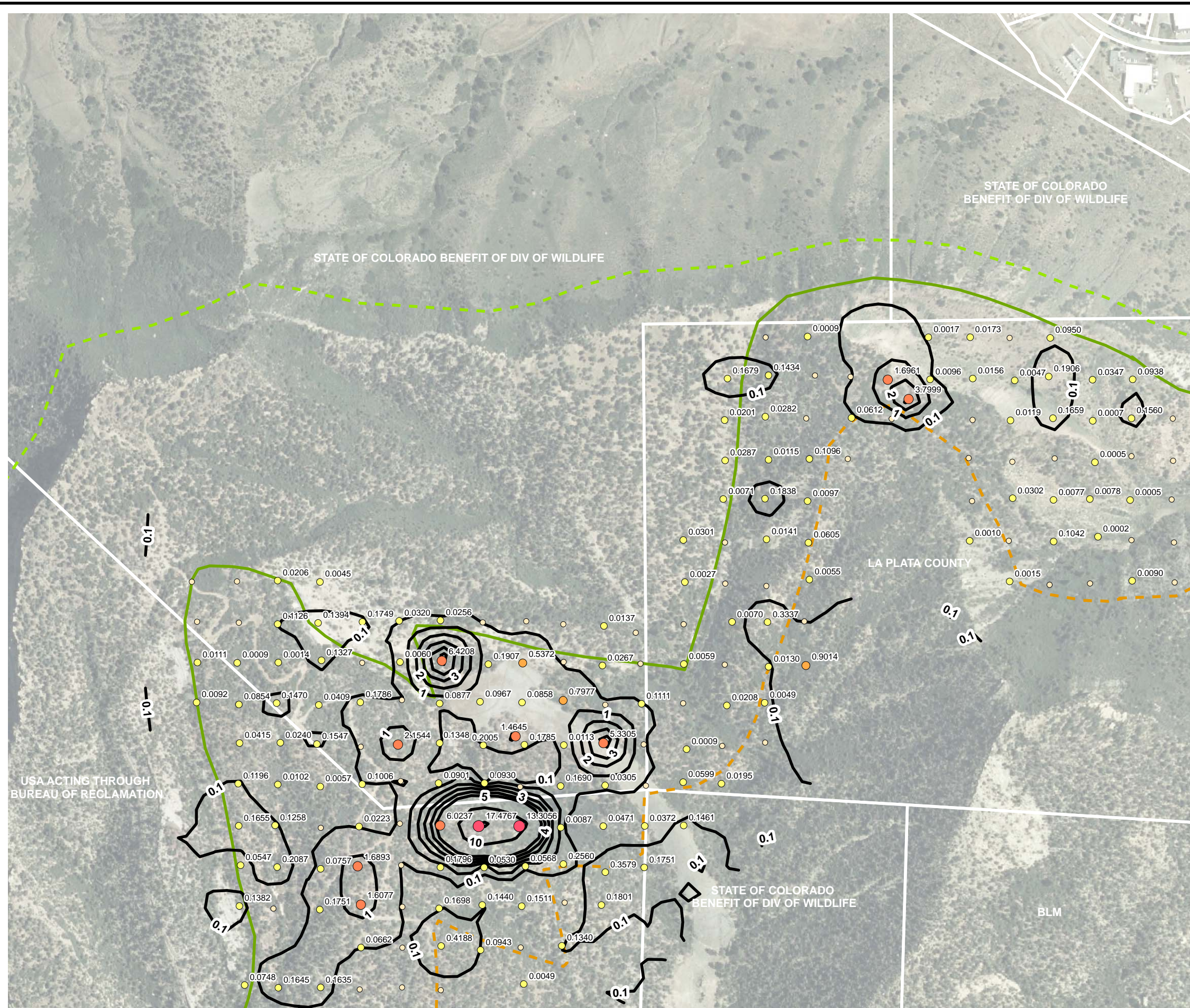


FIGURE 30
METHANE FLUX CONTOURS
BASIN CREEK
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² • day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

— Methane Flux Contour in mol/m² • day (Interval Varies)

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² • day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² • day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

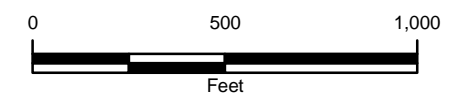
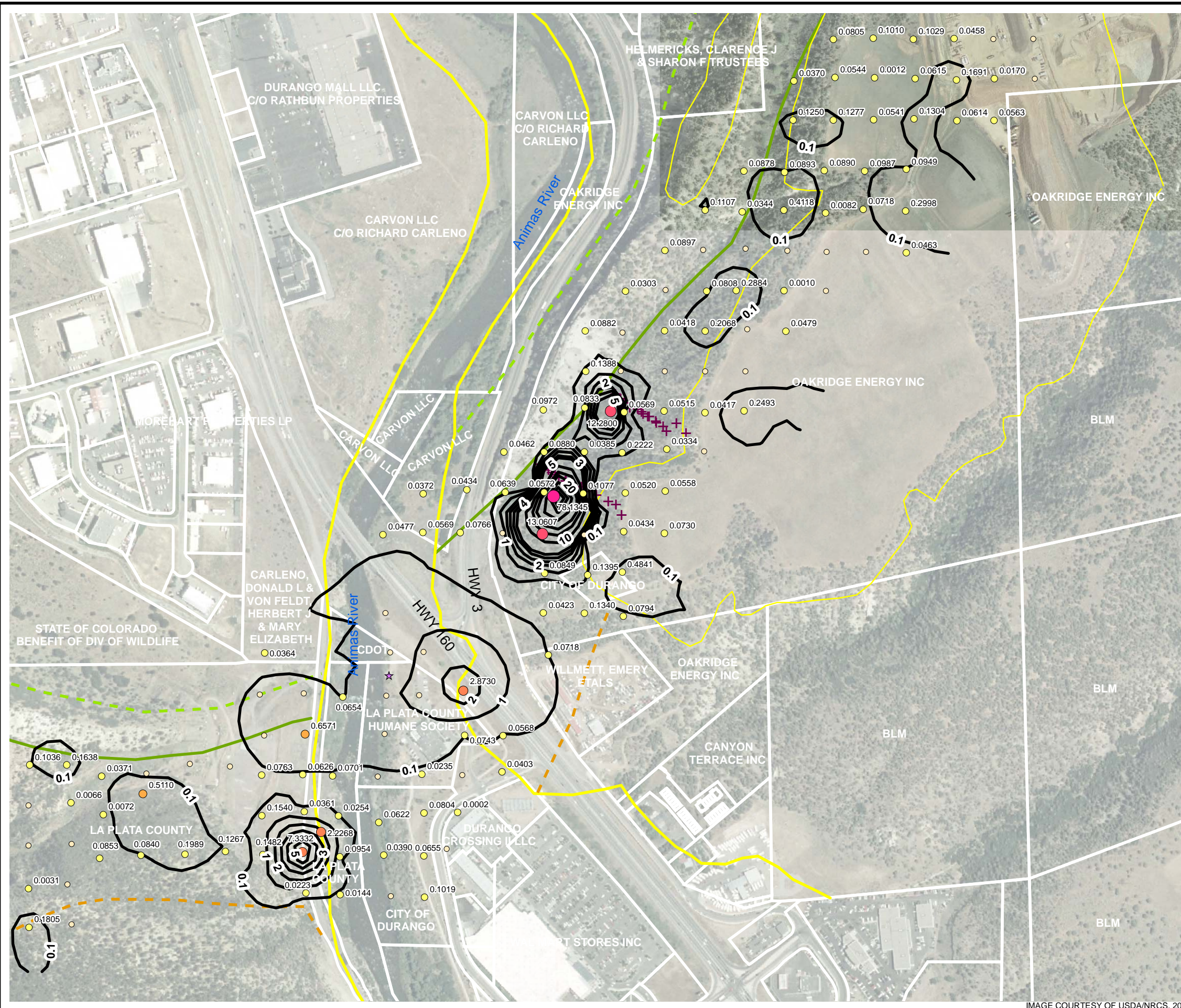


FIGURE 31
METHANE FLUX CONTOURS
BASIN CREEK NORTH
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² · day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

— Methane Flux Contour in mol/m² · day (Interval Varies)

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² · day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² · day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

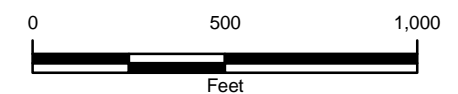
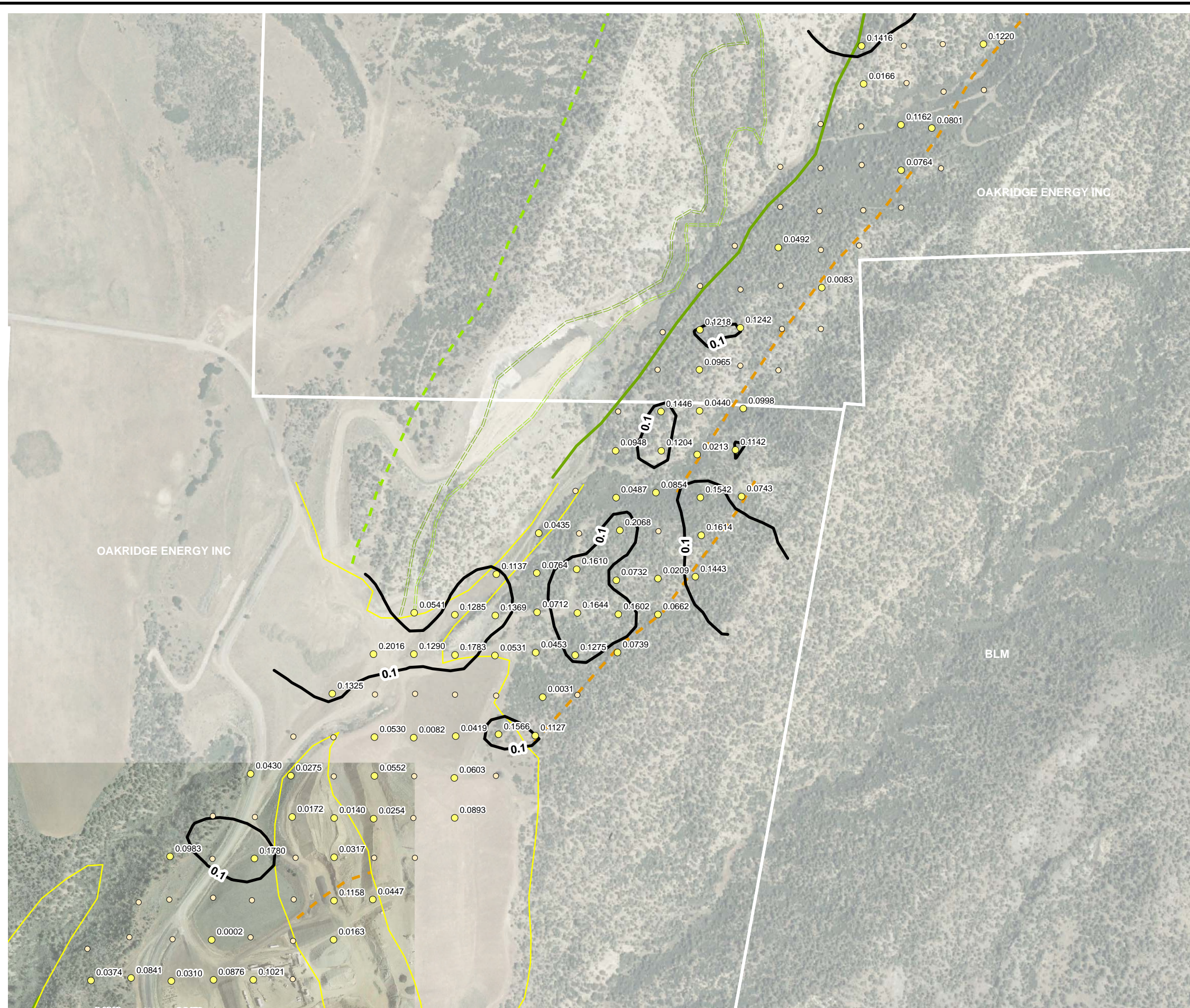


FIGURE 32
METHANE FLUX CONTOURS
CARBON JUNCTION
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² · day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

— Methane Flux Contour in mol/m² · day (Interval Varies)

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² · day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² · day Methane

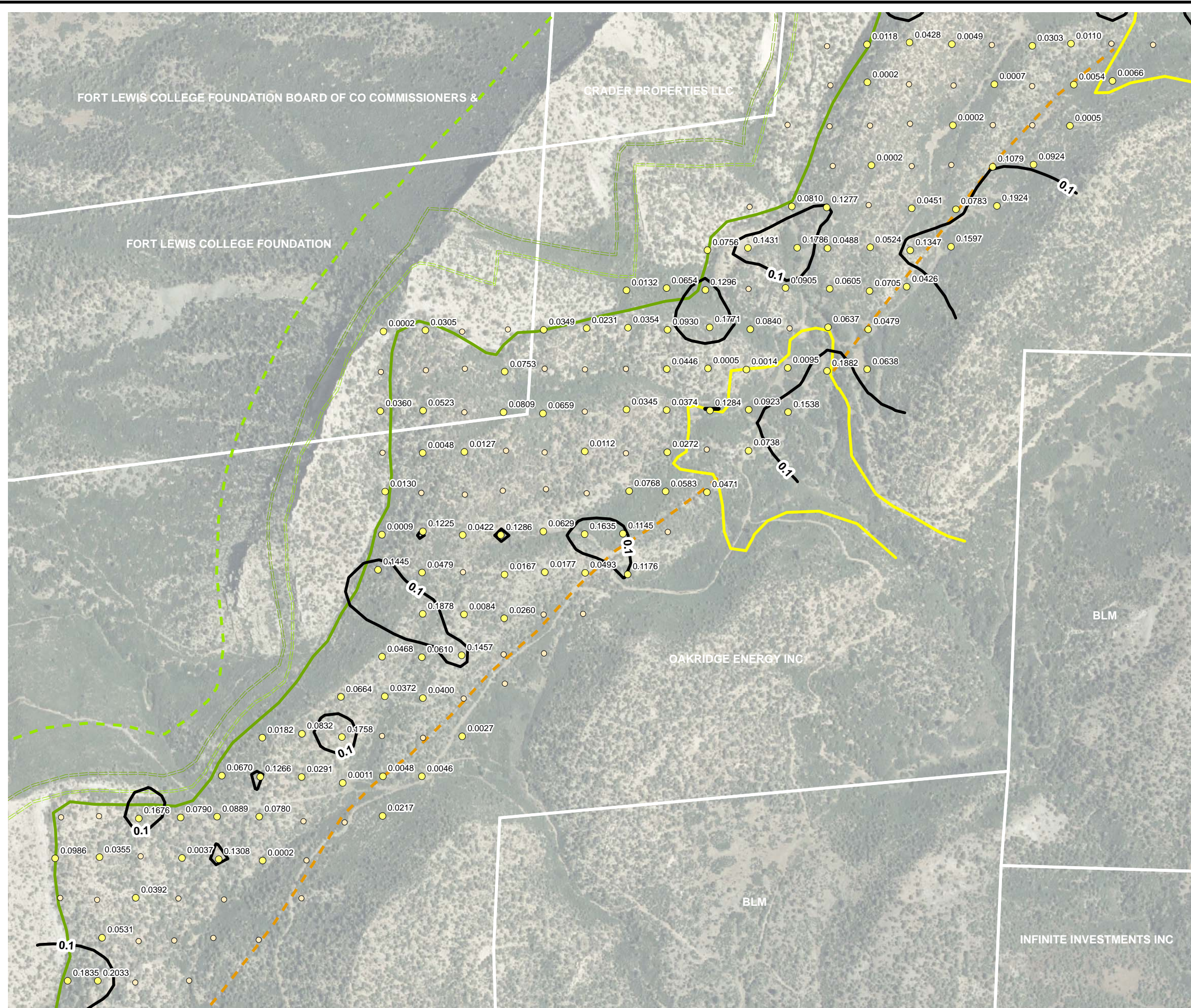
All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 33
METHANE FLUX CONTOURS
HORSE GULCH SOUTH
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)
- Methane Flux Location (mol/m² · day)
 - 0.0000
 - 0.0001 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 1175.0000
- Methane Flux Contour in mol/m² · day (Interval Varies)

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² · day - moles per square meter per day
 ppm - parts per million

Flux points not labeled are 0.0000 mol/m² · day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

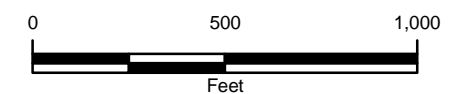
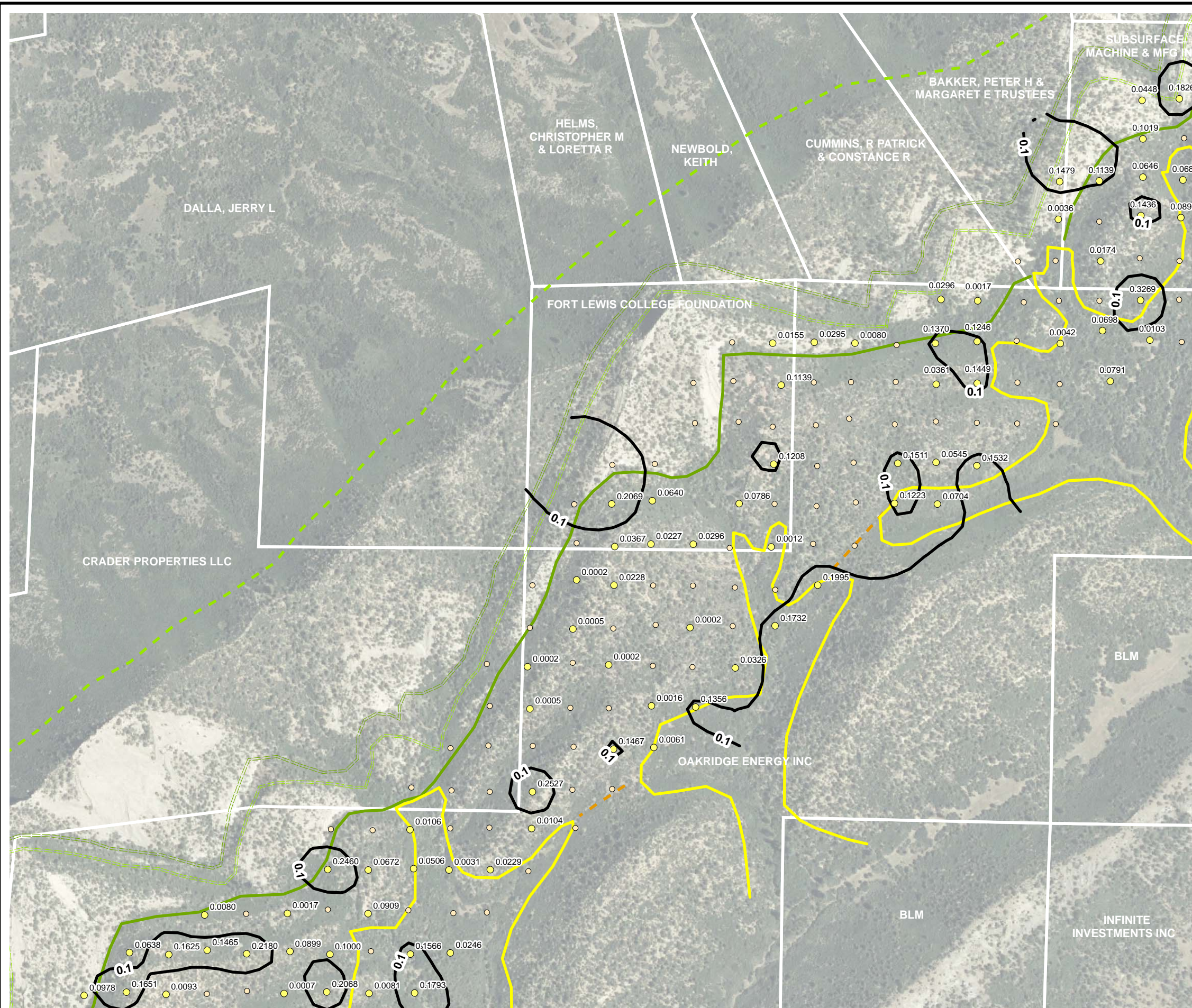


FIGURE 34
METHANE FLUX CONTOURS
HORSE GULCH CENTRAL
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m²·day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

— Methane Flux Contour in mol/m²·day (Interval Varies)

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m²·day - moles per square meter per day
 ppm - parts per million

Flux points not labeled are 0.0000 mol/m²·day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

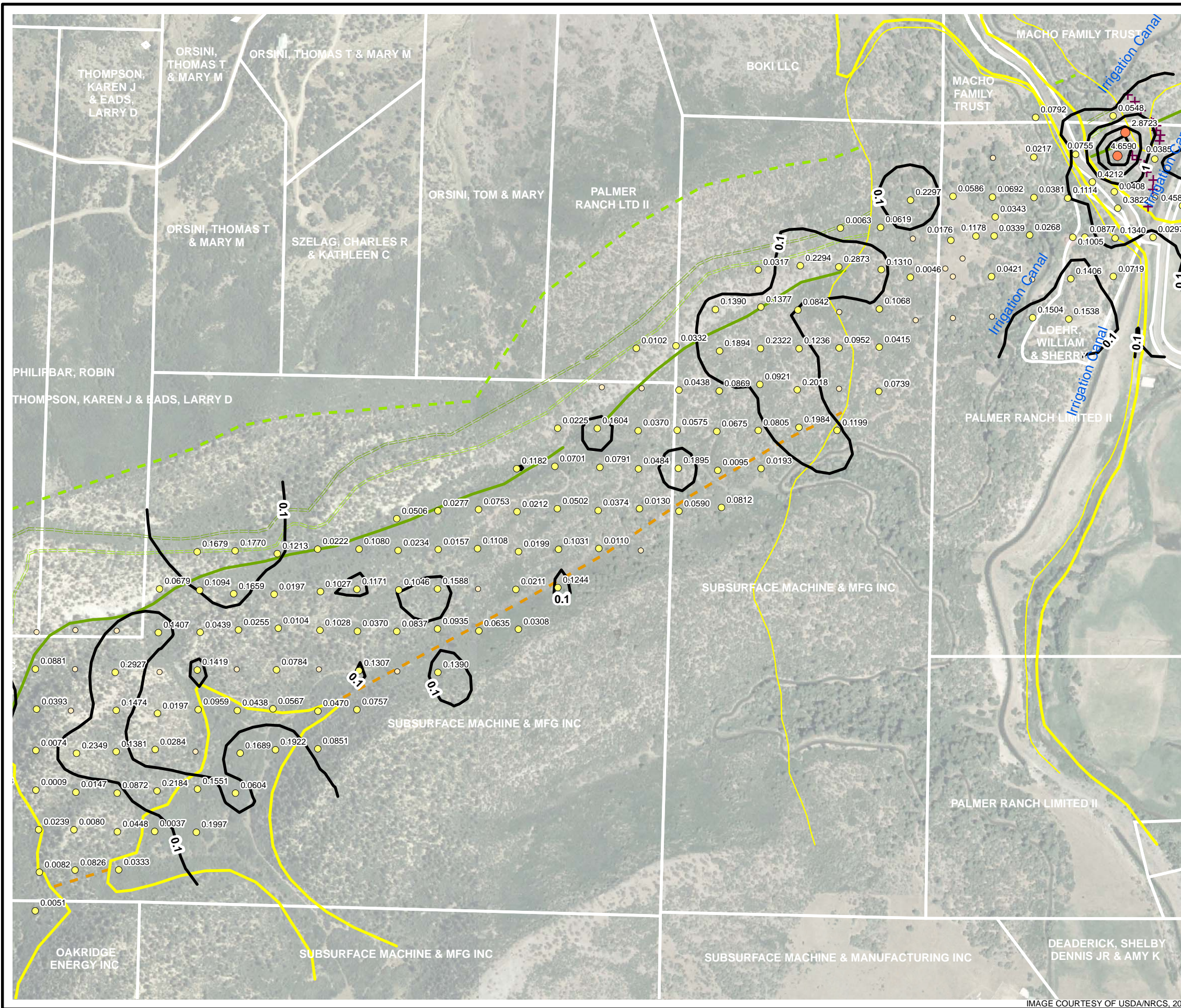
* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 35
METHANE FLUX CONTOURS
HORSE GULCH NORTH
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² • day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

— Methane Flux Contour in mol/m² • day (Interval Varies)

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² • day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² • day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

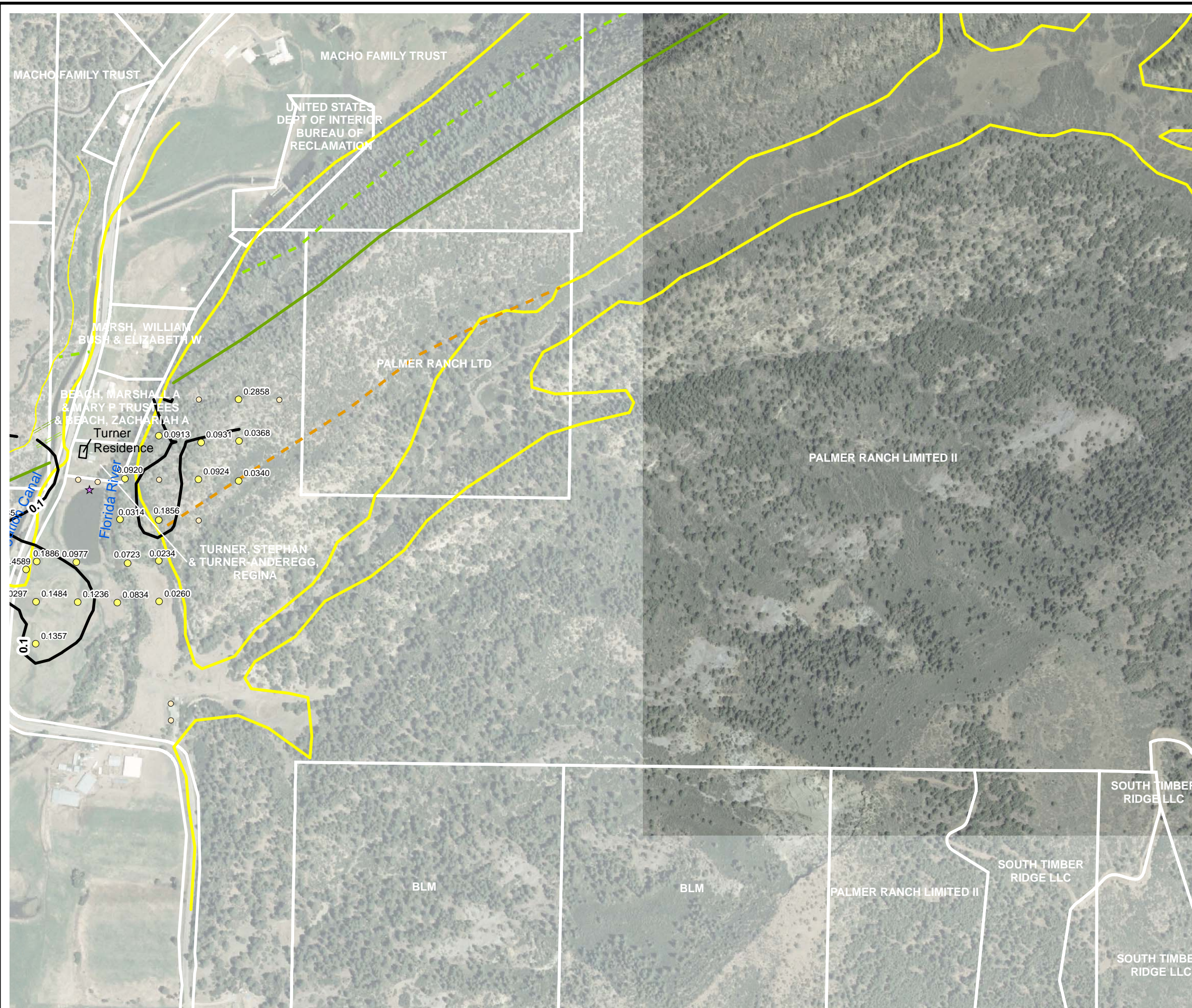
* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 36
METHANE FLUX CONTOURS
FLORIDA RIVER WEST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

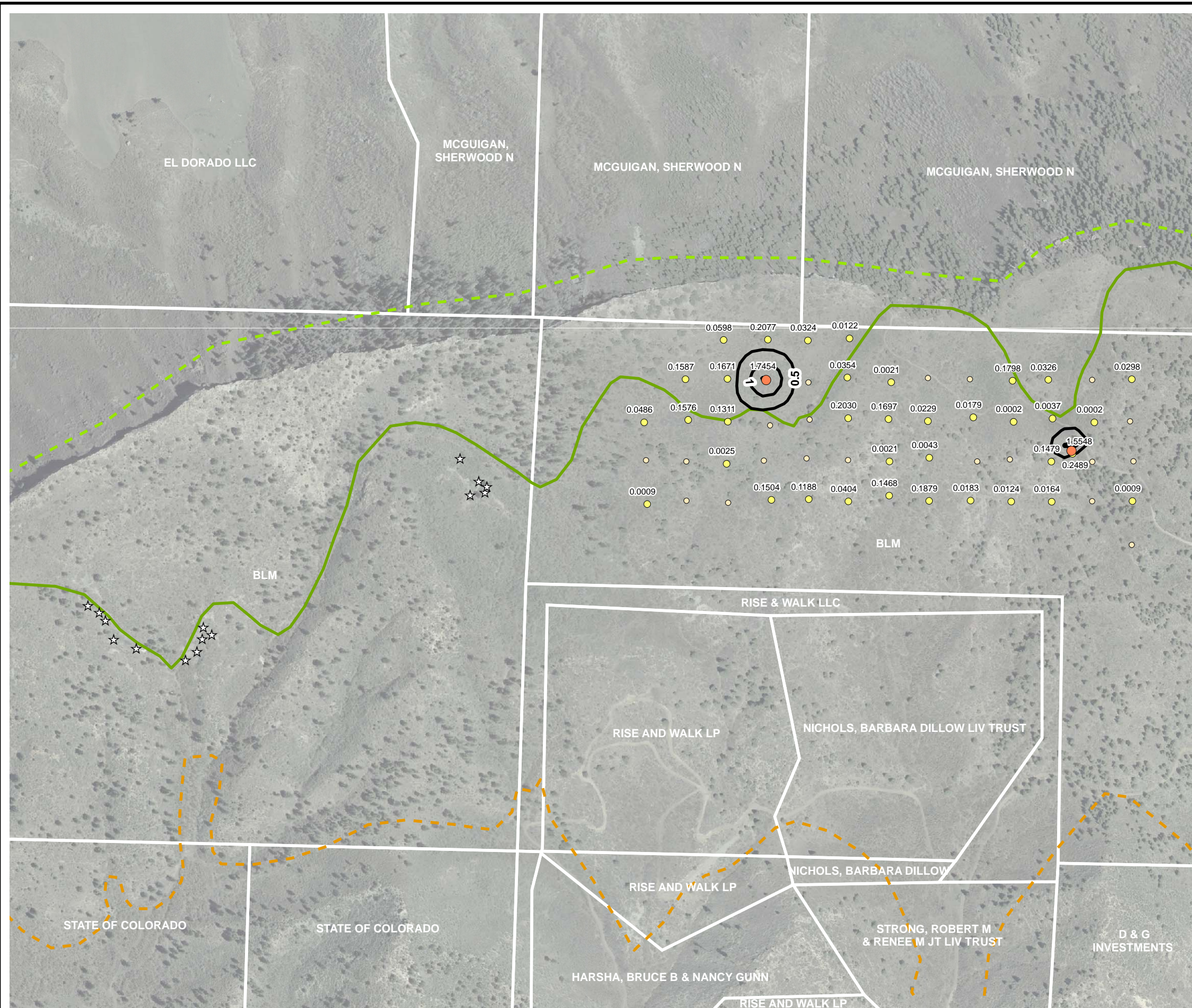
- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Methane Flux Location (mol/m² · day)
- 0.0000
 - 0.0001 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 1175.0000
- Methane Flux Contour in mol/m² · day (Interval Varies)
- Geology
- Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² · day - moles per square meter per day
ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² · day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 37
METHANE FLUX CONTOURS
FLORIDA RIVER EAST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

- ☆ Subsurface Methane Measurement
- ⊕ Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² · day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

— Methane Flux Contour in mol/m² · day (Interval Varies)

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² · day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² · day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

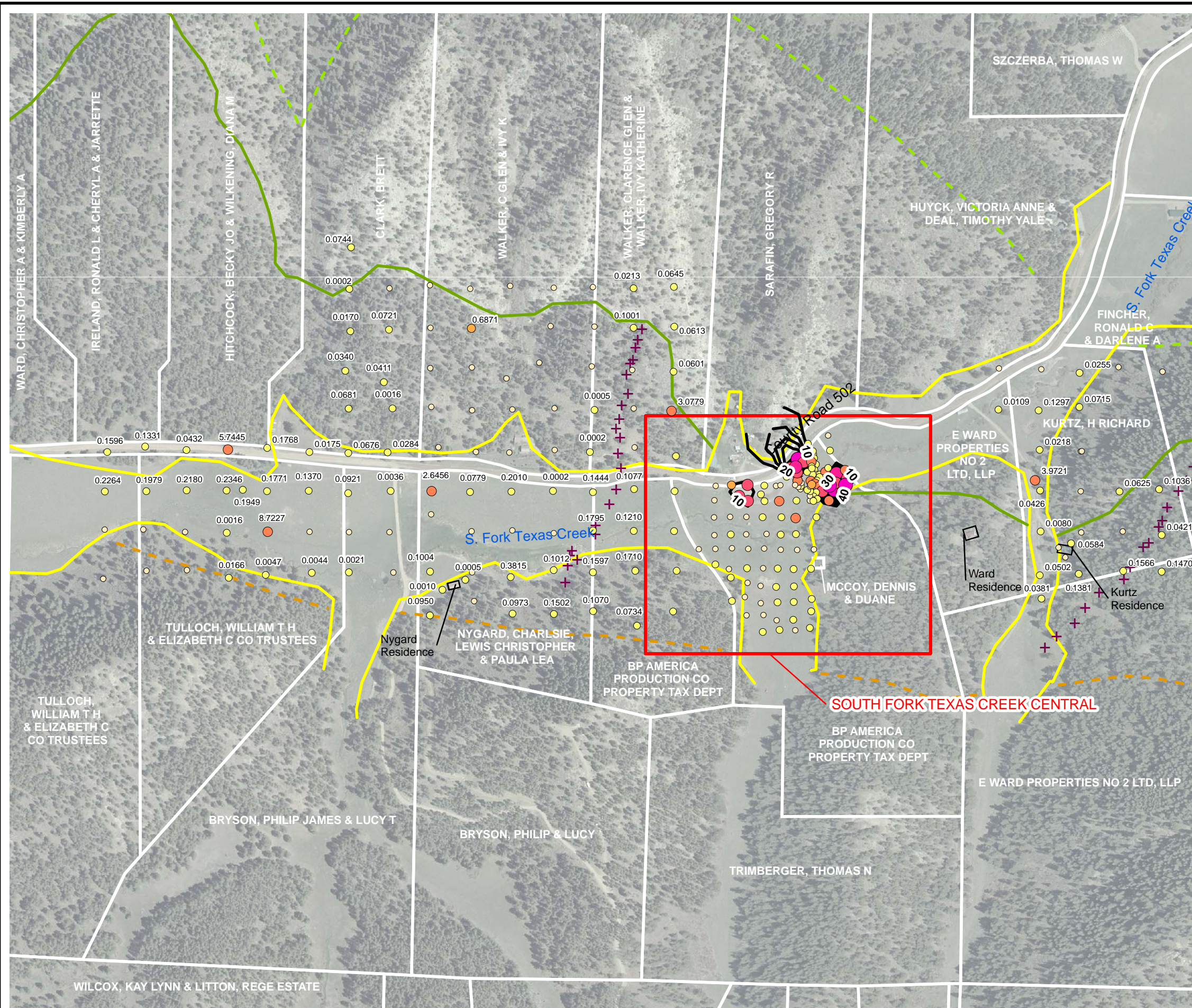
* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 38
METHANE FLUX CONTOURS
VOSBURG PIKE
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² · day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

— Methane Flux Contour in mol/m² · day (Interval Varies)

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² · day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² · day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

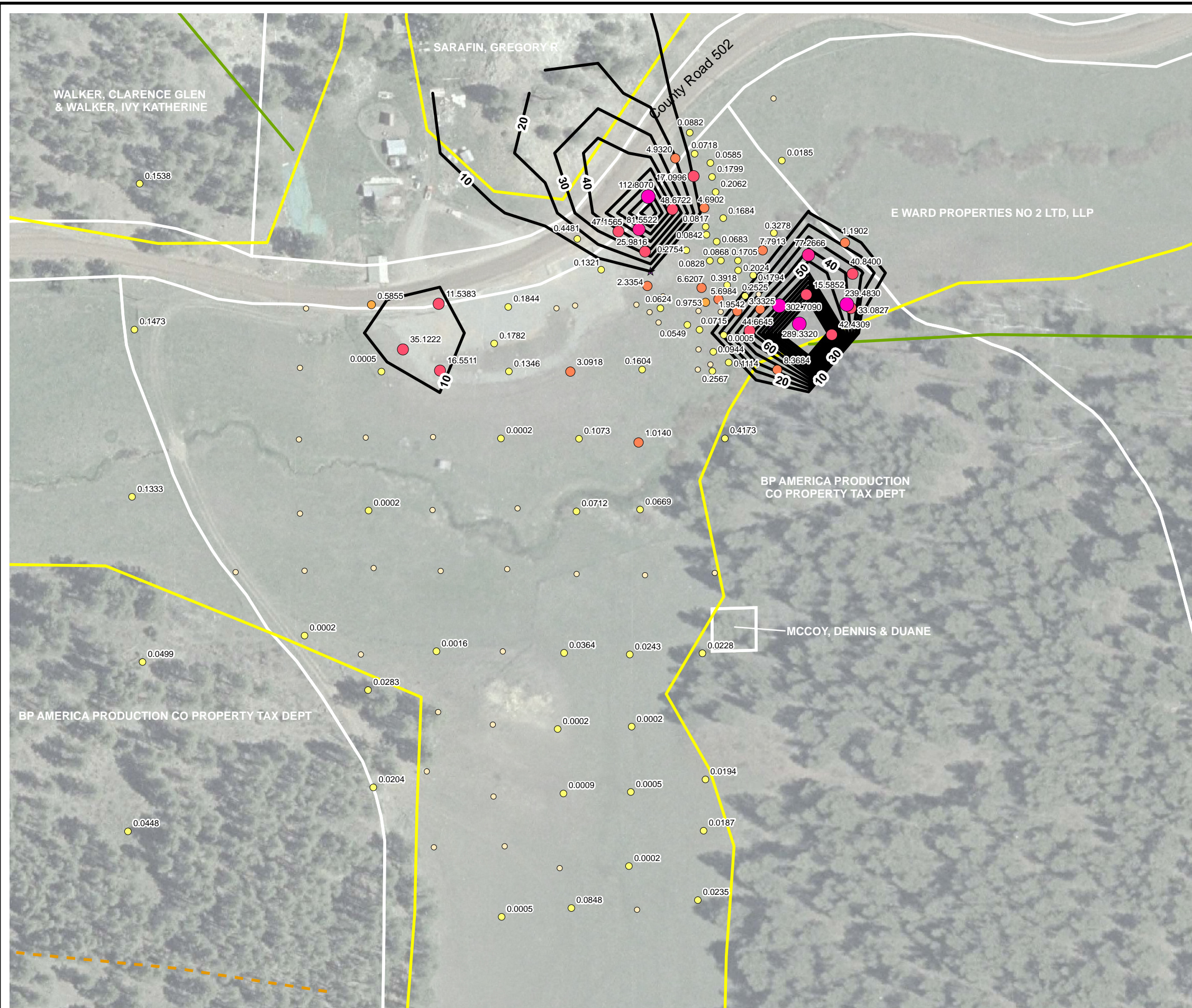
* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 39
METHANE FLUX CONTOURS
SOUTH FORK TEXAS CREEK WEST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Methane Flux Location (mol/m² · day)
- 0.0000
 - 0.0001 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 1175.0000
- Methane Flux Contour in mol/m² · day (Interval Varies)
- Geology
- Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² · day - moles per square meter per day
 ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² · day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

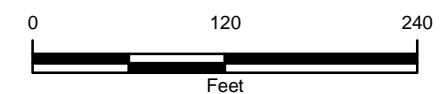
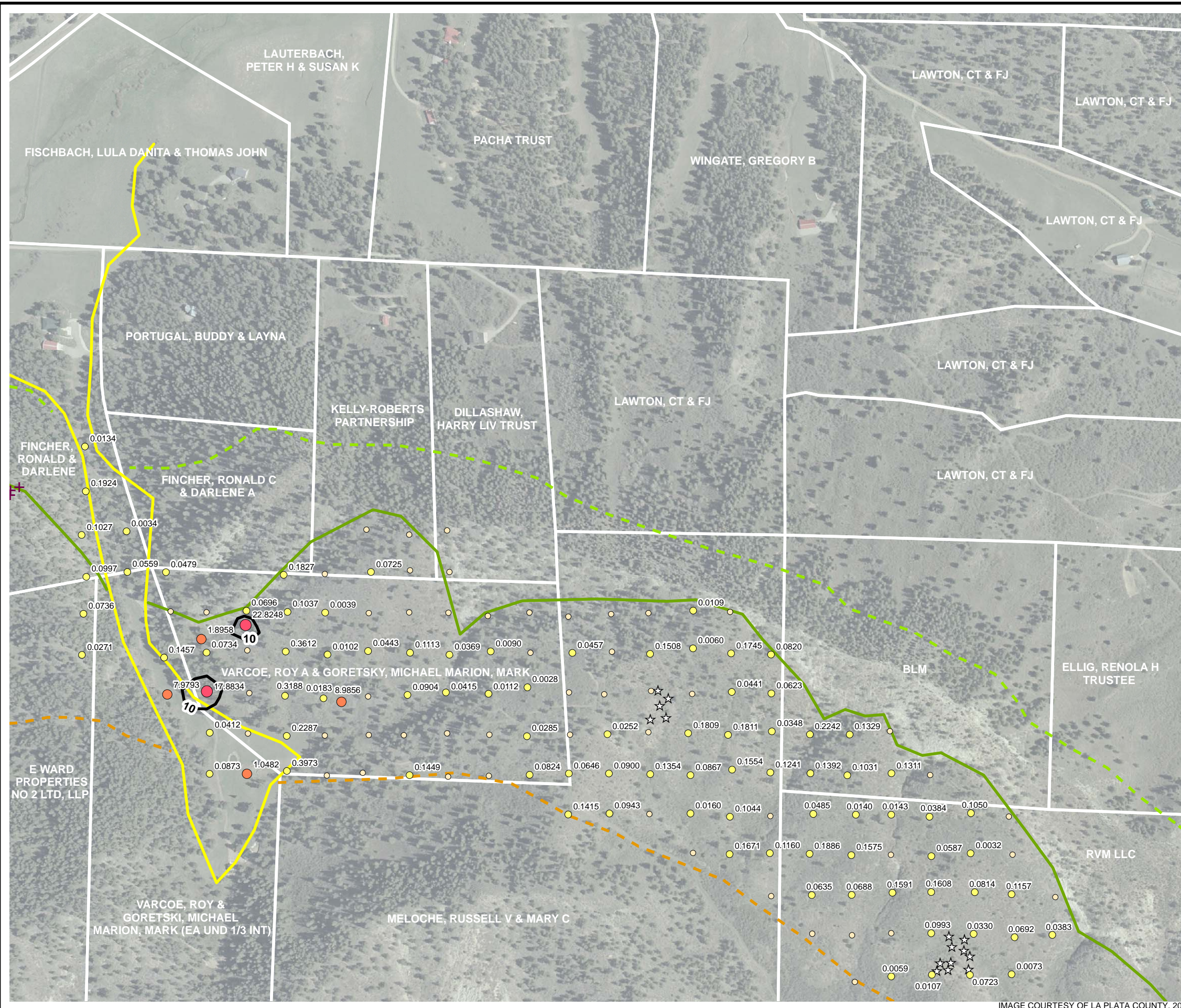


FIGURE 40
METHANE FLUX CONTOURS
SOUTH FORK TEXAS CREEK CENTRAL
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

- ☆ Subsurface Methane Measurement
- ✚ Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Methane Flux Location (mol/m² · day)

- 0.0000
- 0.0001 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 10.0000
- 10.0001 - 50.0000
- 50.0001 - 100.0000
- 100.0001 - 1175.0000

— Methane Flux Contour in mol/m² · day (Interval Varies)

Geology

- Fruitland Formation (Kf)
- - - Fruitland Formation Tongue (Kft)
- - - Kirtland Formation (Kk)
- - - Pictured Cliffs Formation (Kpc)
- - - Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² · day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² · day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

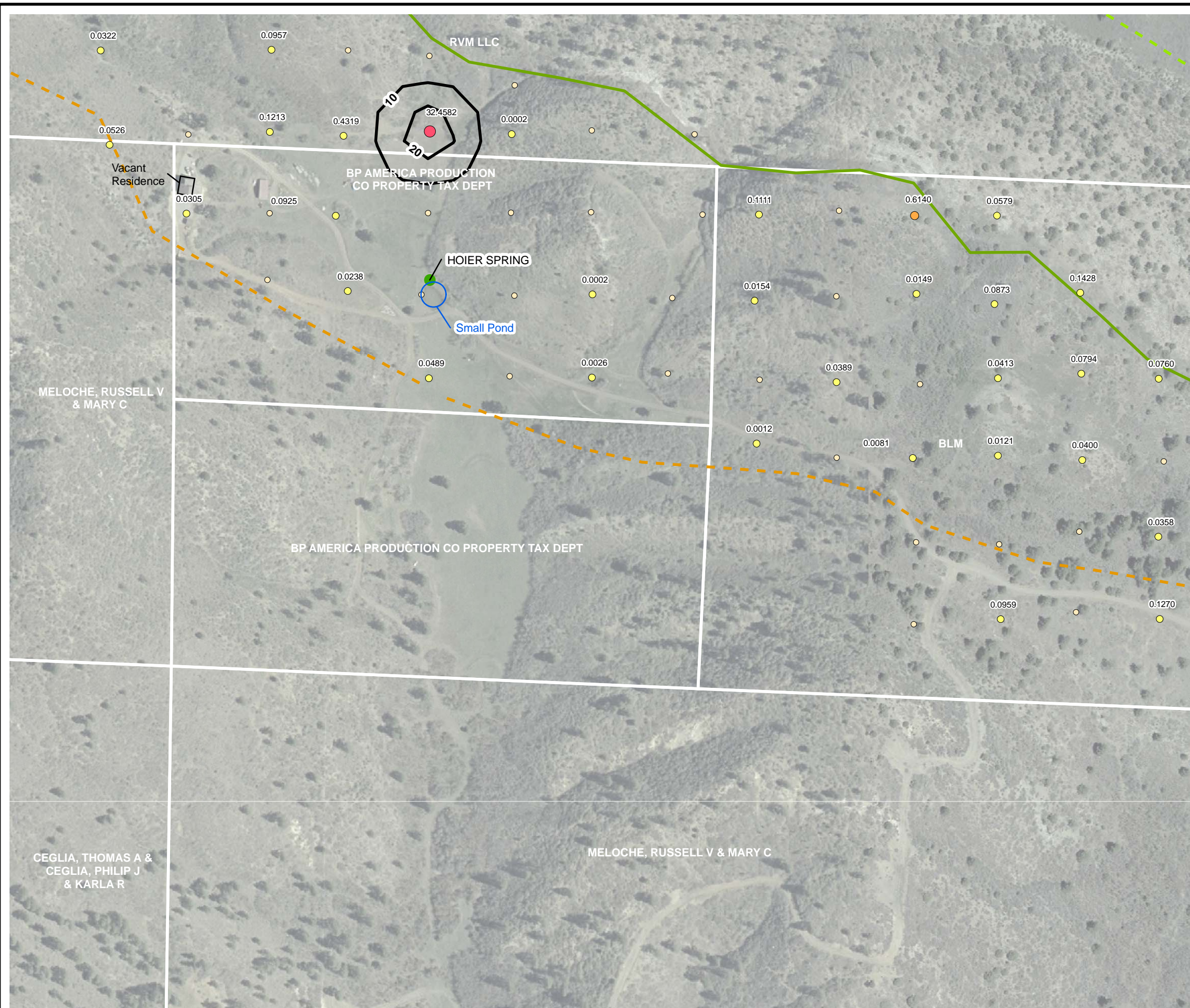
* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 41
METHANE FLUX CONTOURS
SOUTH FORK TEXAS CREEK EAST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)
- Natural Spring Location
 - Sampled
 - Field Parameters Only
 - Dry
 - Not Located
 - No Access
- Methane Flux Location (mol/m² • day)
 - 0.0000
 - 0.0001 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 1175.0000
- Methane Flux Contour in mol/m² • day (Interval Varies)
- Geology
 - Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² • day - moles per square meter per day
ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² • day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 42
METHANE FLUX CONTOURS
BP HIGHLANDS
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

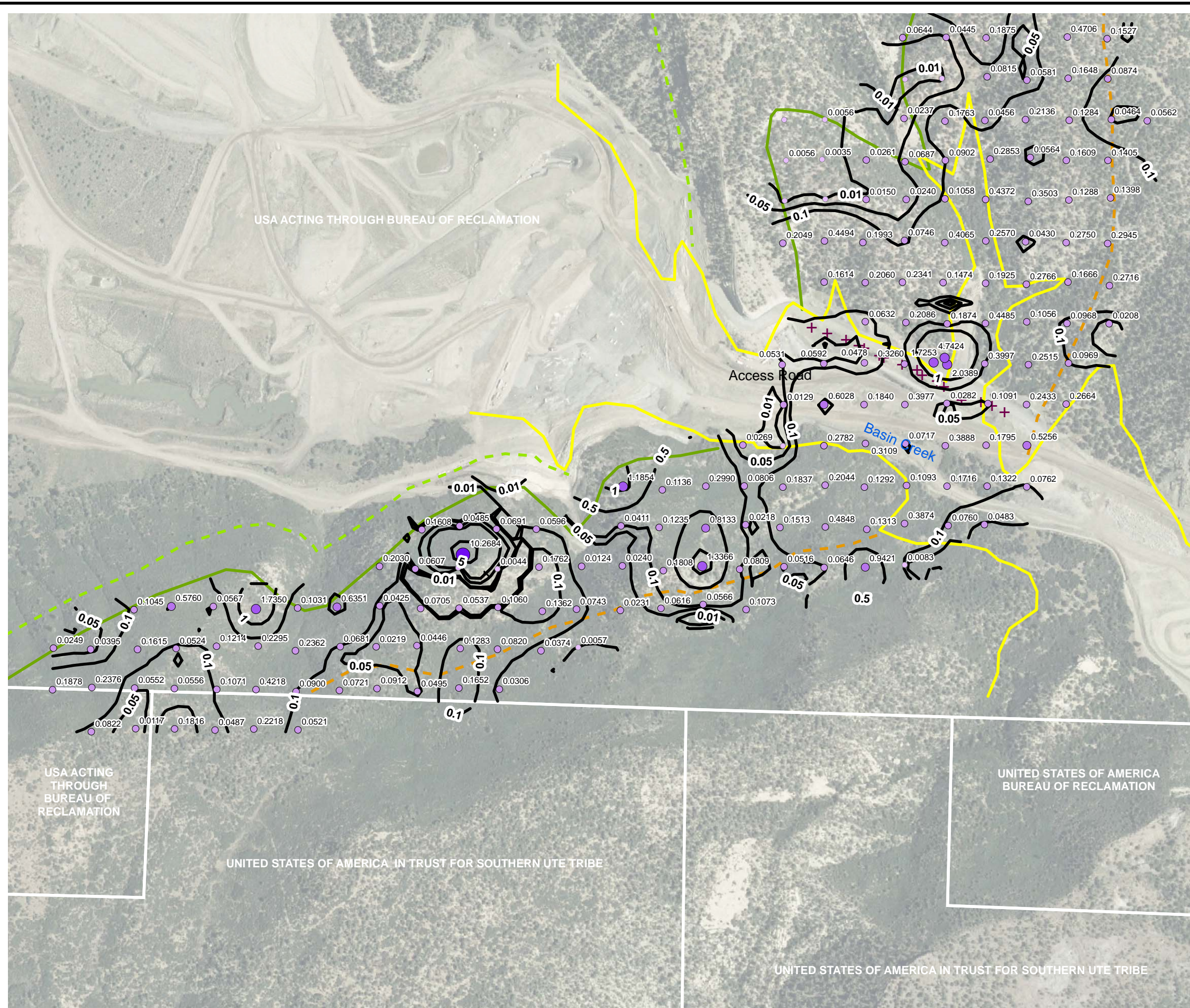
- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Methane Flux Location (mol/m² · day)
- 0.0000
 - 0.0001 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 1175.0000
- Methane Flux Contour in mol/m² · day (Interval Varies)
- Geology
- Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² · day - moles per square meter per day
ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² · day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 43
METHANE FLUX CONTOURS
PINE RIVER
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location (mol/m² • day)
- 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Carbon Dioxide Flux Contour in mol/m² • day (Interval Varies)
- Geology
- Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² • day - moles per square meter per day
ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² • day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

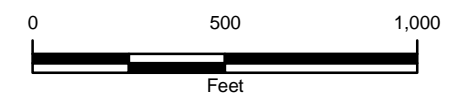
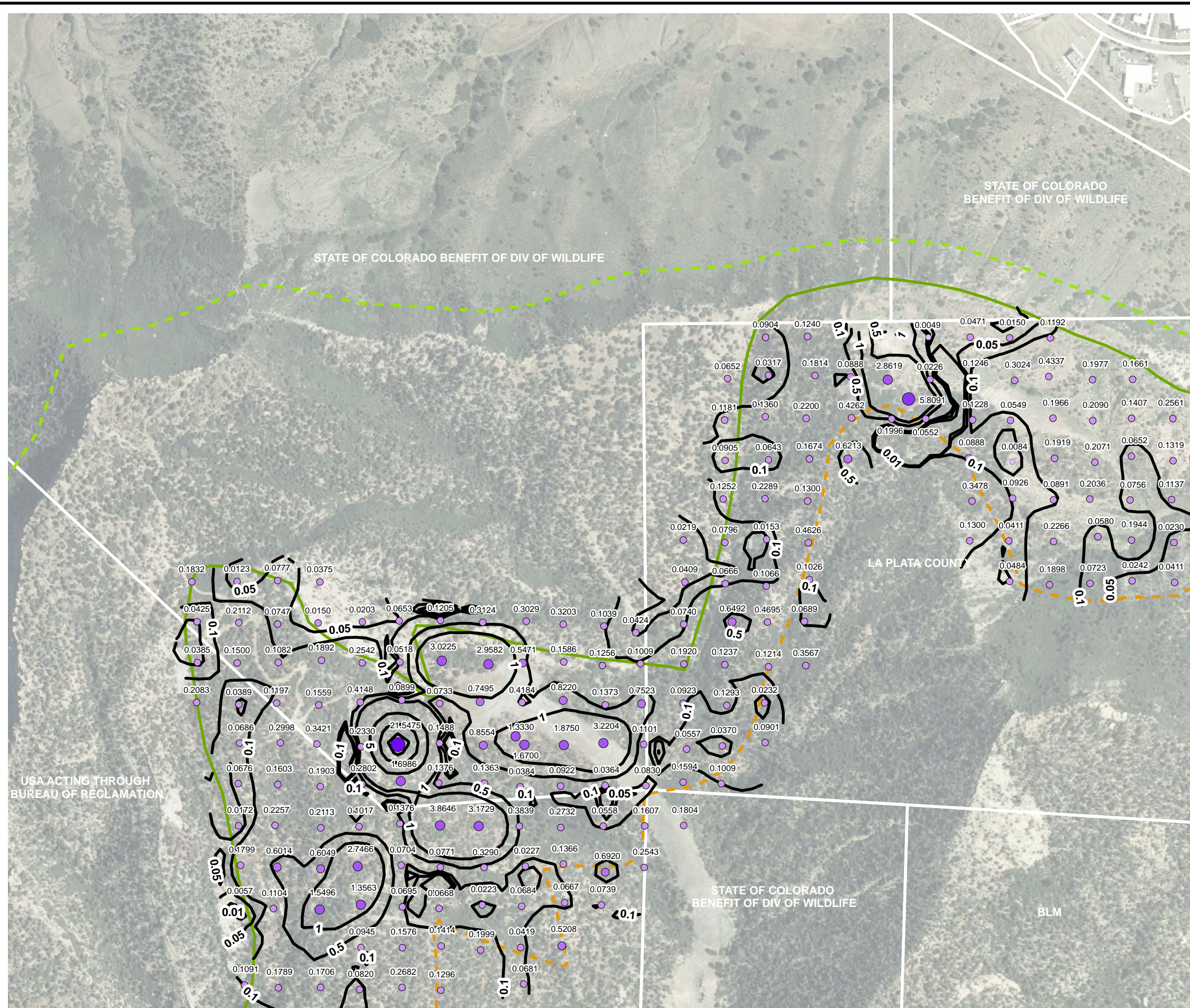


FIGURE 44
CARBON DIOXIDE FLUX CONTOURS
BASIN CREEK
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

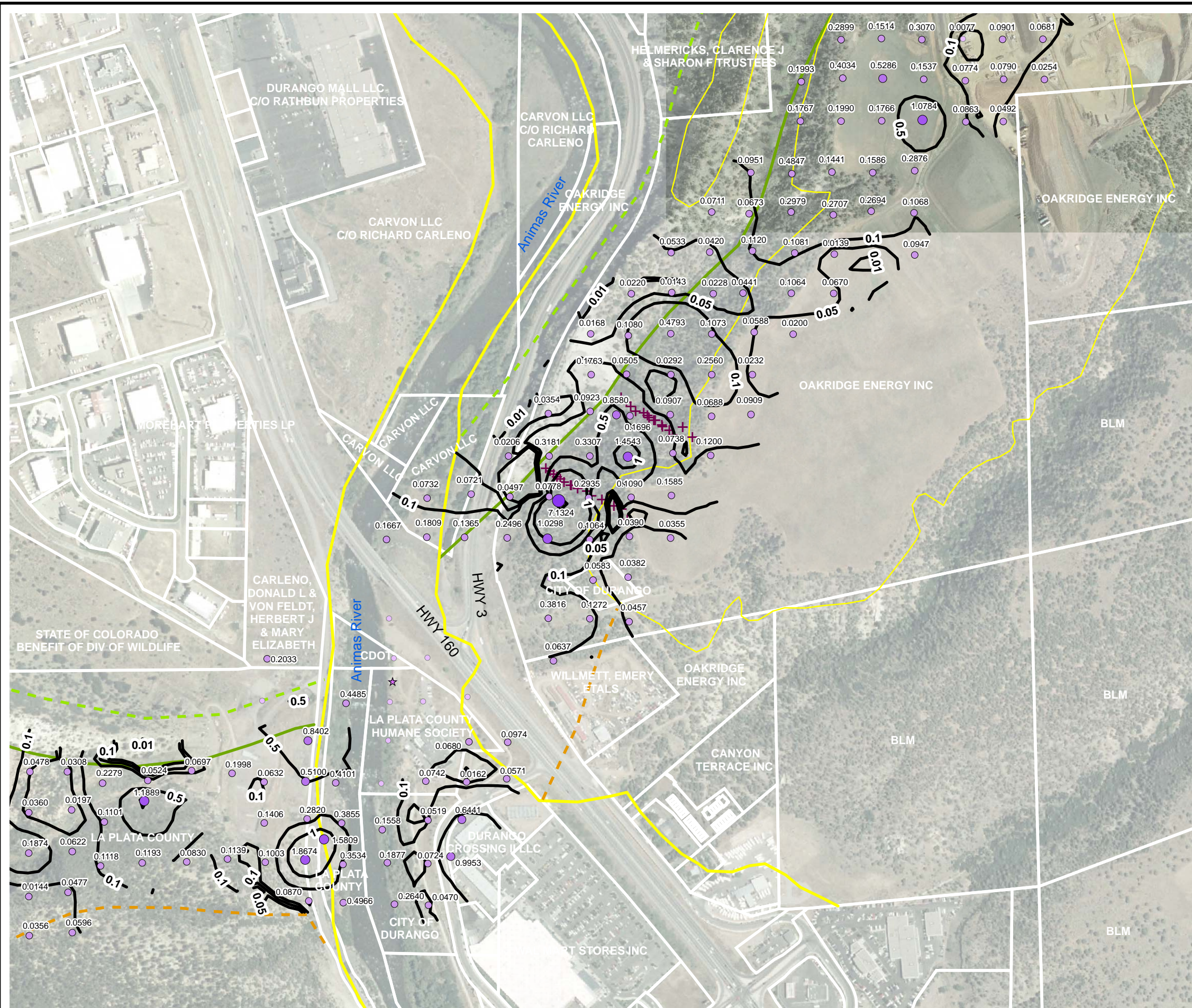
- ☆ Subsurface Methane Measurement
 - ⊕ Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location ($\text{mol/m}^2 \cdot \text{day}$)
- 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Carbon Dioxide Flux Contour in $\text{mol/m}^2 \cdot \text{day}$ (Interval Varies)
- Geology
- Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- $\text{mol/m}^2 \cdot \text{day}$ - moles per square meter per day
 ppm - parts per million
- Flux points not labeled are 0.0000 $\text{mol/m}^2 \cdot \text{day}$ Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 45
CARBON DIOXIDE FLUX CONTOURS
BASIN CREEK NORTH
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

- ☆ Subsurface Methane Measurement
- ⊕ Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Carbon Dioxide Flux Location (mol/m² • day)

- 0.0000 - 0.0100
- 0.0101 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 5.0000
- 5.0001 - 10.0000
- 10.0001 - 25.0000

— Carbon Dioxide Flux Contour in mol/m² • day (Interval Varies)

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² • day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² • day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

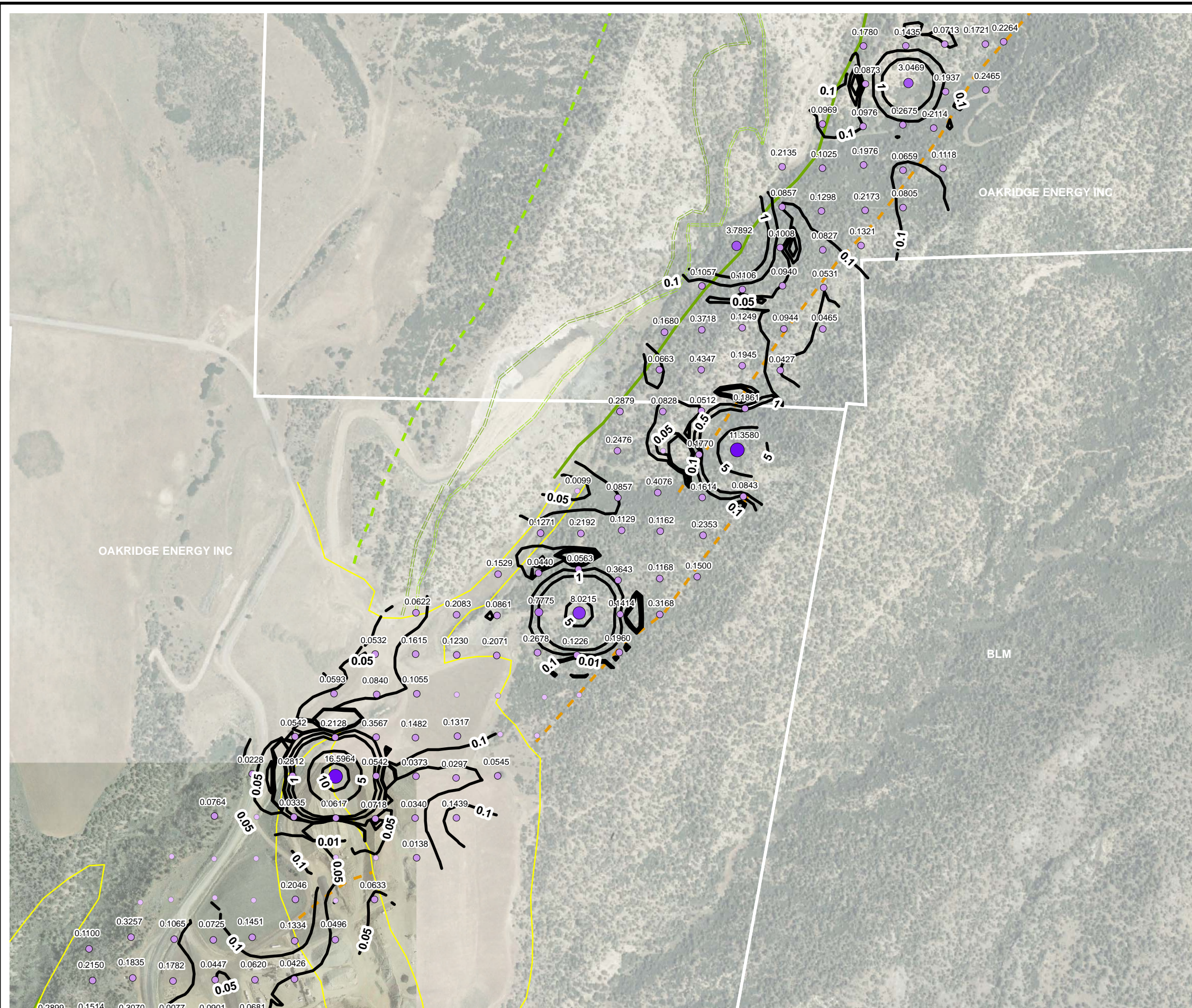


FIGURE 46
CARBON DIOXIDE FLUX CONTOURS
CARBON JUNCTION
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005

P:\San Juan Basin GIS\LaPlata\Fruitland_OMR\MXDs\Vers_8.3\2008\CO2_FLUX_CONTOURS.mxd



LEGEND

- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location (mol/m² • day)
- 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Carbon Dioxide Flux Contour in mol/m² • day (Interval Varies)
- Geology
- Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - - - Kirtland Formation (Kk)
 - - - Pictured Cliffs Formation (Kpc)
 - - - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² • day - moles per square meter per day
ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² • day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

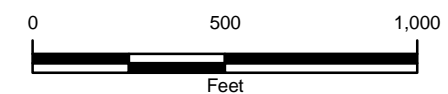
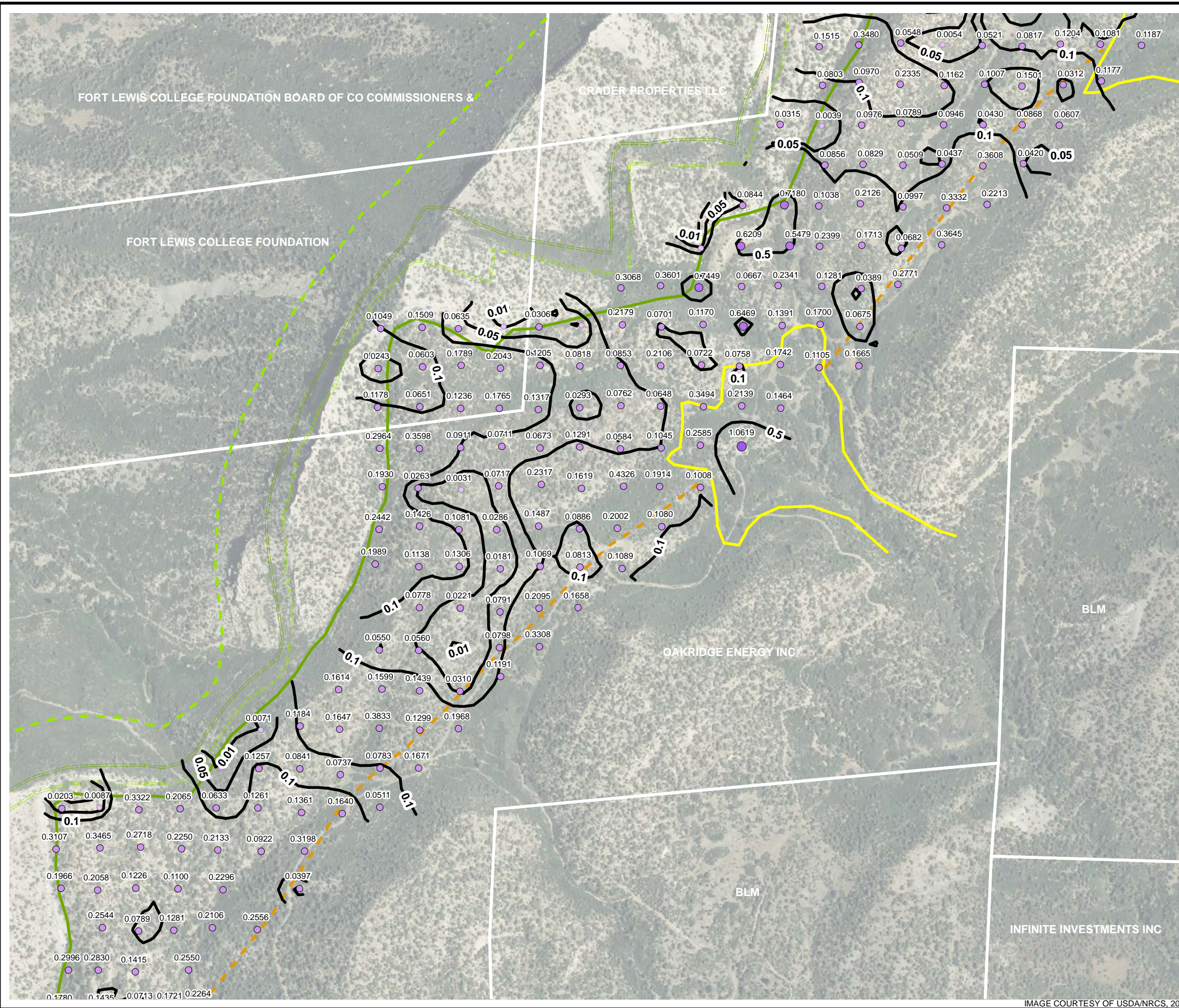


FIGURE 47
CARBON DIOXIDE FLUX CONTOURS
HORSE GULCH SOUTH
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location (mol/m² • day)
- 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Carbon Dioxide Flux Contour in mol/m² • day (Interval Varies)
- Geology
- Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - - - Kirtland Formation (Kk)
 - - - Pictured Cliffs Formation (Kpc)
 - - - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² • day - moles per square meter per day
ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² • day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

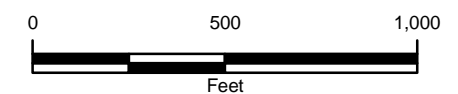
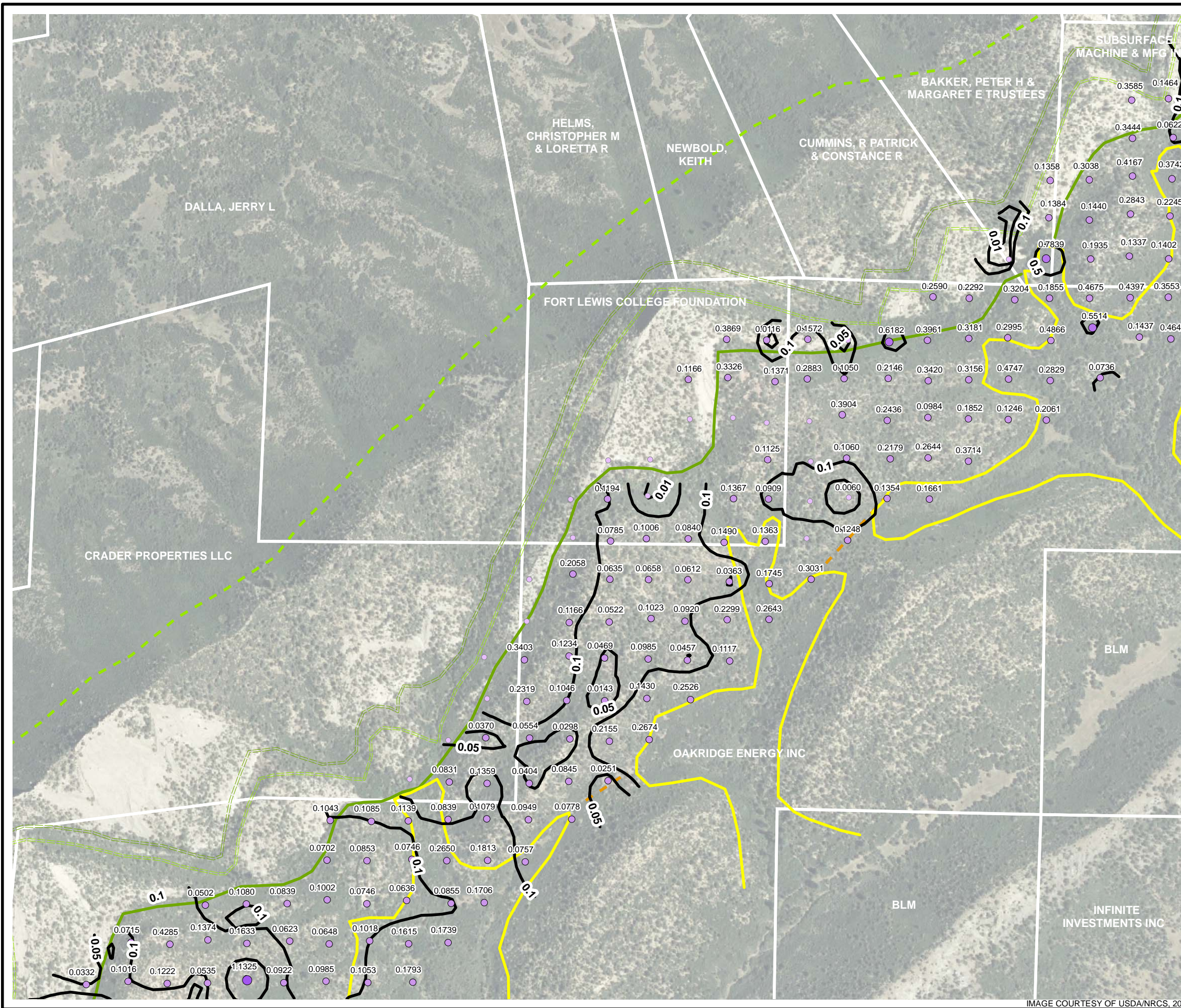


FIGURE 48
CARBON DIOXIDE FLUX CONTOURS
HORSE GULCH CENTRAL
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Carbon Dioxide Flux Location (mol/m²·day)

- 0.0000 - 0.0100
- 0.0101 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 5.0000
- 5.0001 - 10.0000
- 10.0001 - 25.0000

— Carbon Dioxide Flux Contour in mol/m²·day (Interval Varies)

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m²·day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m²·day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

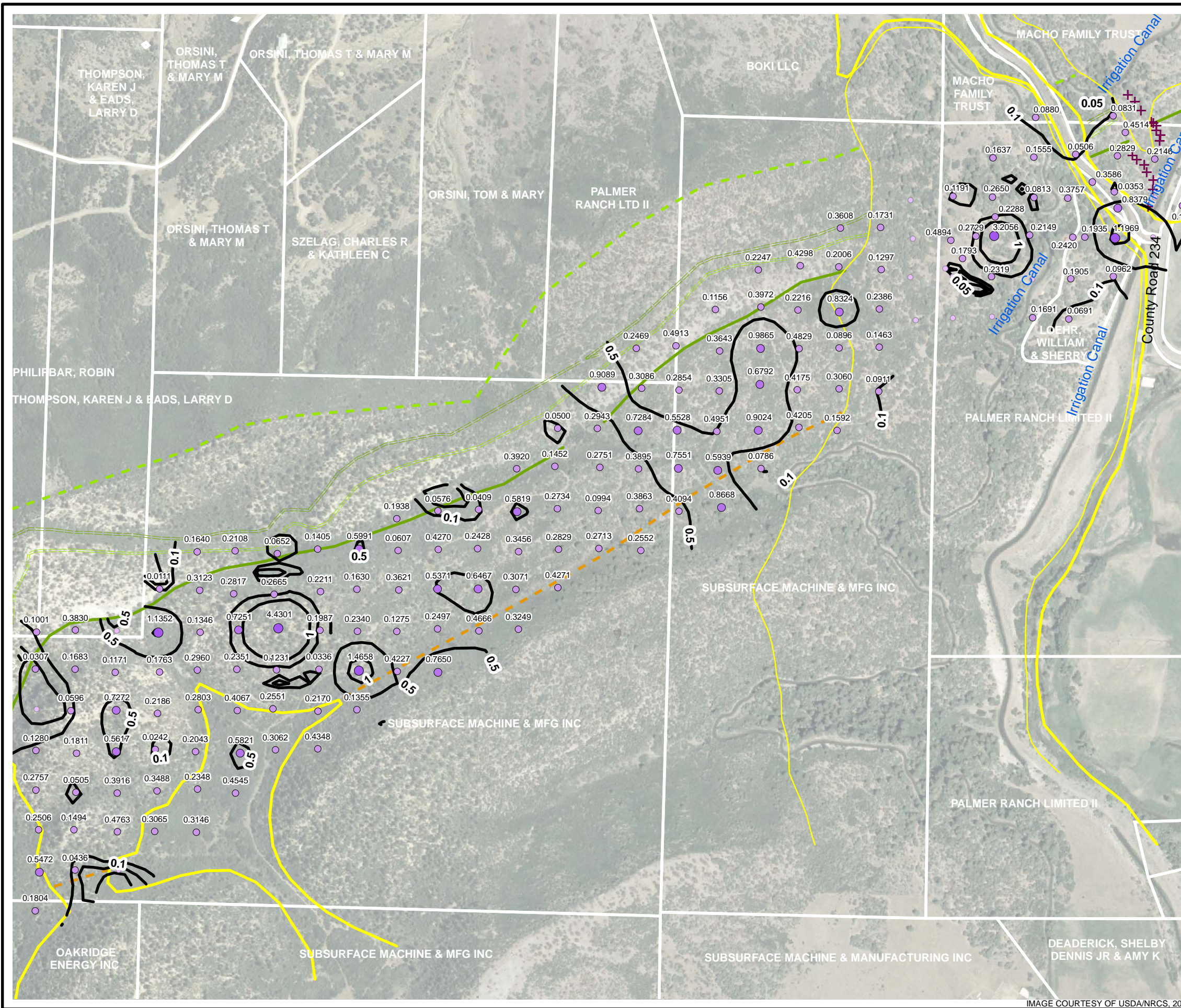
* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 49
CARBON DIOXIDE FLUX CONTOURS
HORSE GULCH NORTH
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

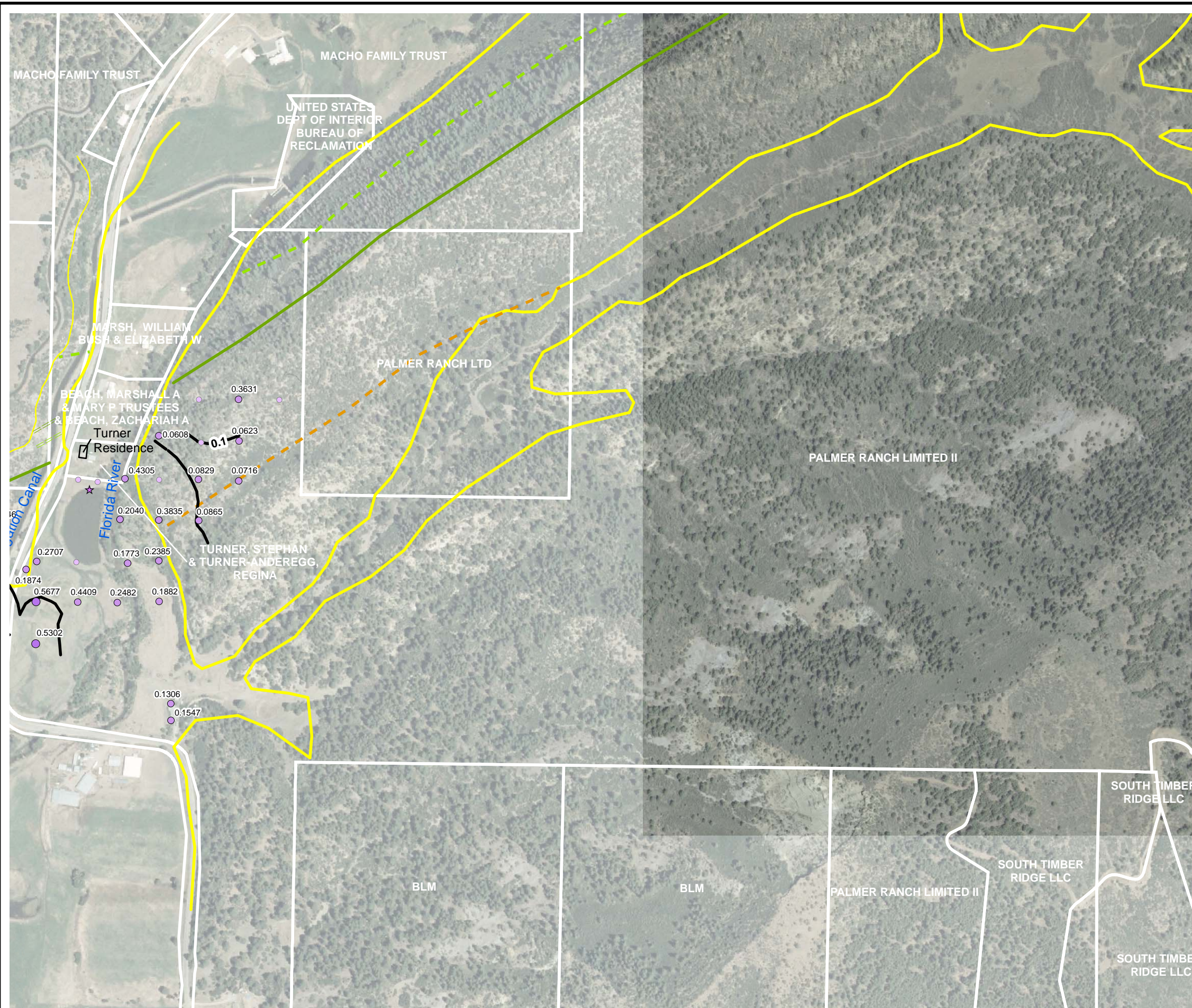
- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location ($\text{mol/m}^2 \cdot \text{day}$)
- 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Carbon Dioxide Flux Contour in $\text{mol/m}^2 \cdot \text{day}$ (Interval Varies)
- Geology
- Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- $\text{mol/m}^2 \cdot \text{day}$ - moles per square meter per day
 ppm - parts per million
- Flux points not labeled are 0.0000 $\text{mol/m}^2 \cdot \text{day}$ Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 50
CARBON DIOXIDE FLUX CONTOURS
FLORIDA RIVER WEST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

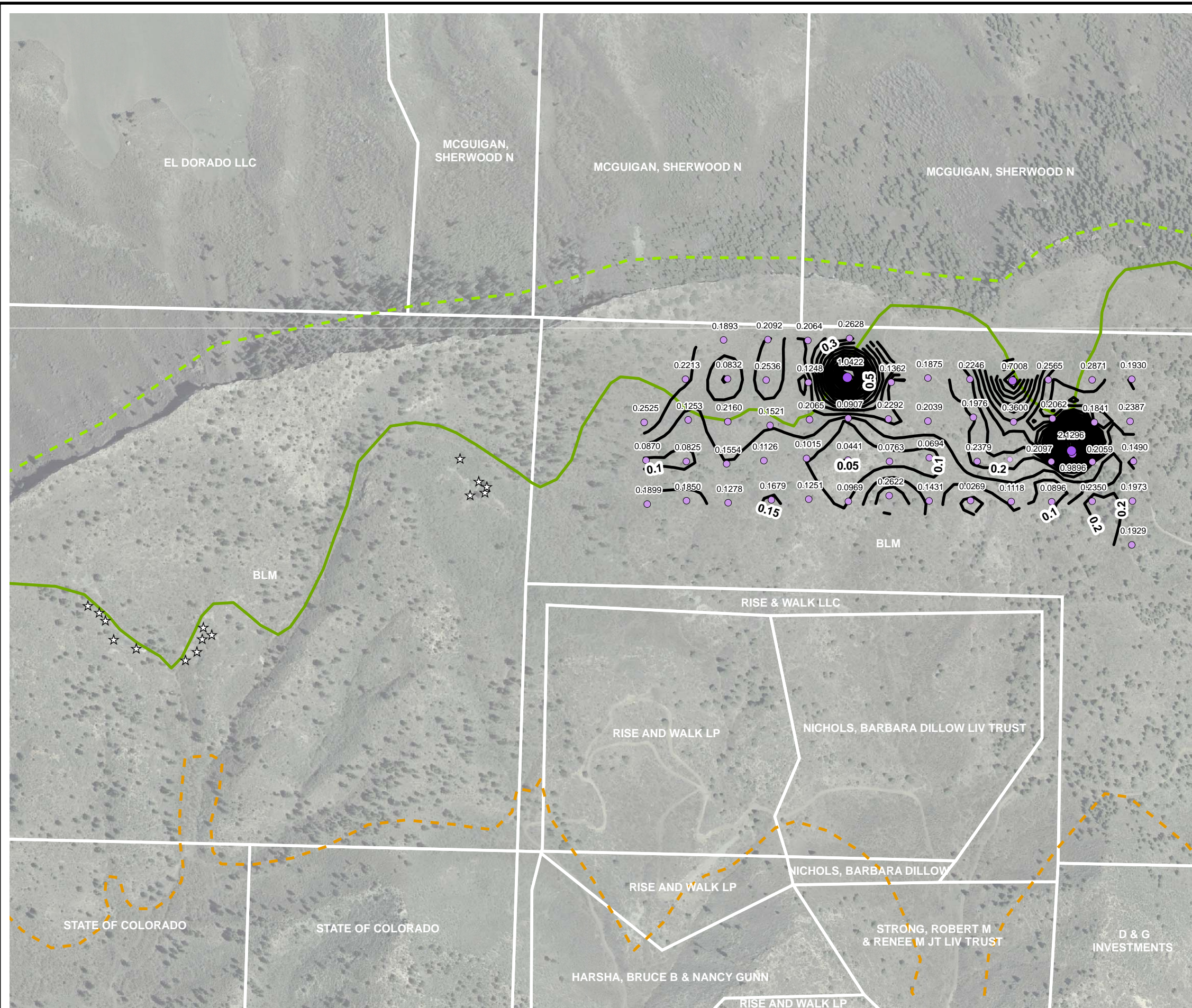
- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location ($\text{mol/m}^2 \cdot \text{day}$)
- 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Carbon Dioxide Flux Contour in $\text{mol/m}^2 \cdot \text{day}$ (Interval Varies)
- Geology
- Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- $\text{mol/m}^2 \cdot \text{day}$ - moles per square meter per day
 ppm - parts per million
- Flux points not labeled are 0.0000 $\text{mol/m}^2 \cdot \text{day}$ Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 51
CARBON DIOXIDE FLUX CONTOURS
FLORIDA RIVER EAST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Carbon Dioxide Flux Location (mol/m² · day)

- 0.0000 - 0.0100
- 0.0101 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 5.0000
- 5.0001 - 10.0000
- 10.0001 - 25.0000

— Carbon Dioxide Flux Contour in mol/m² · day (Interval Varies)

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

mol/m² · day - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 mol/m² · day Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

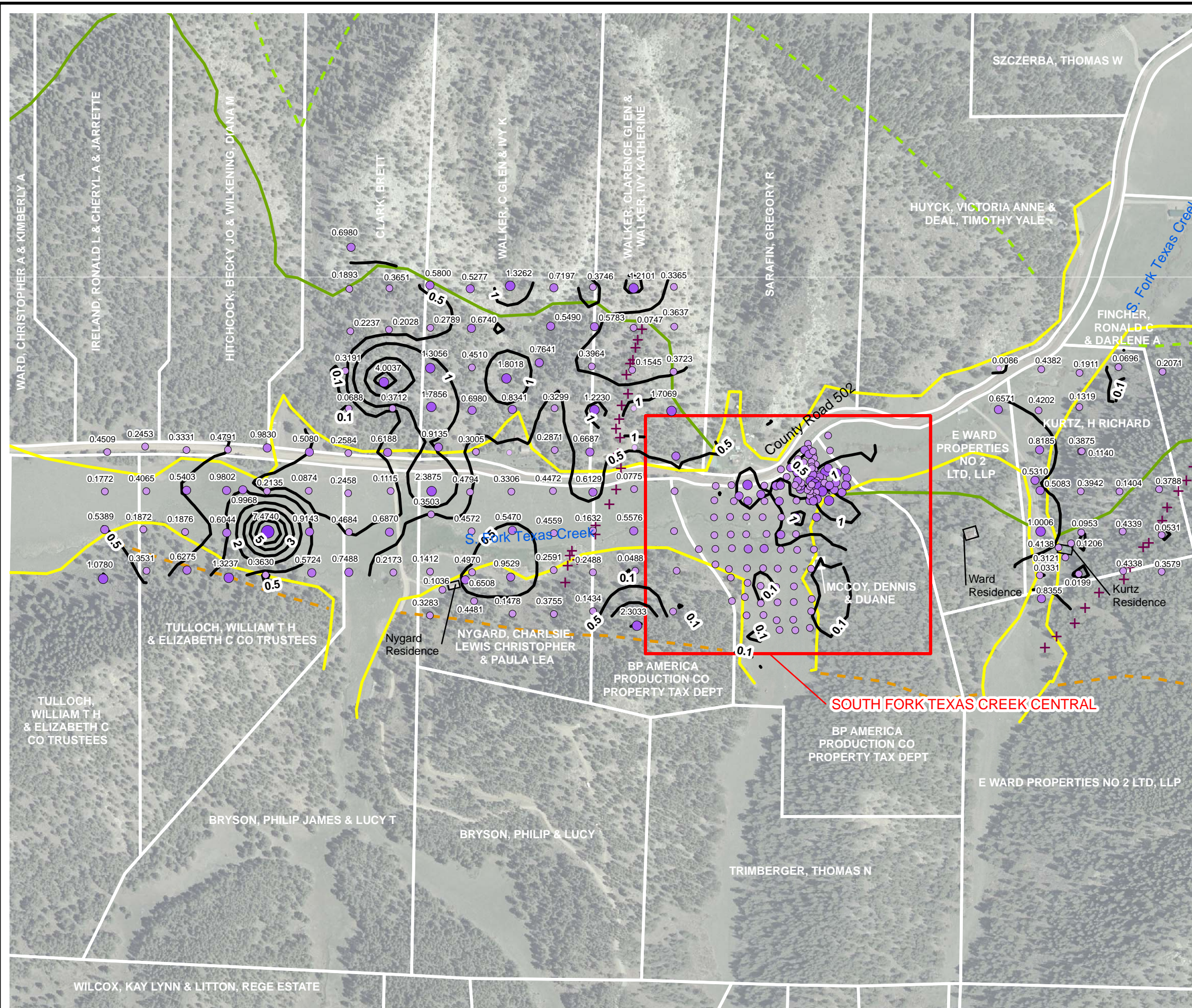
* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 52
CARBON DIOXIDE FLUX CONTOURS
VOSBURG PIKE
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

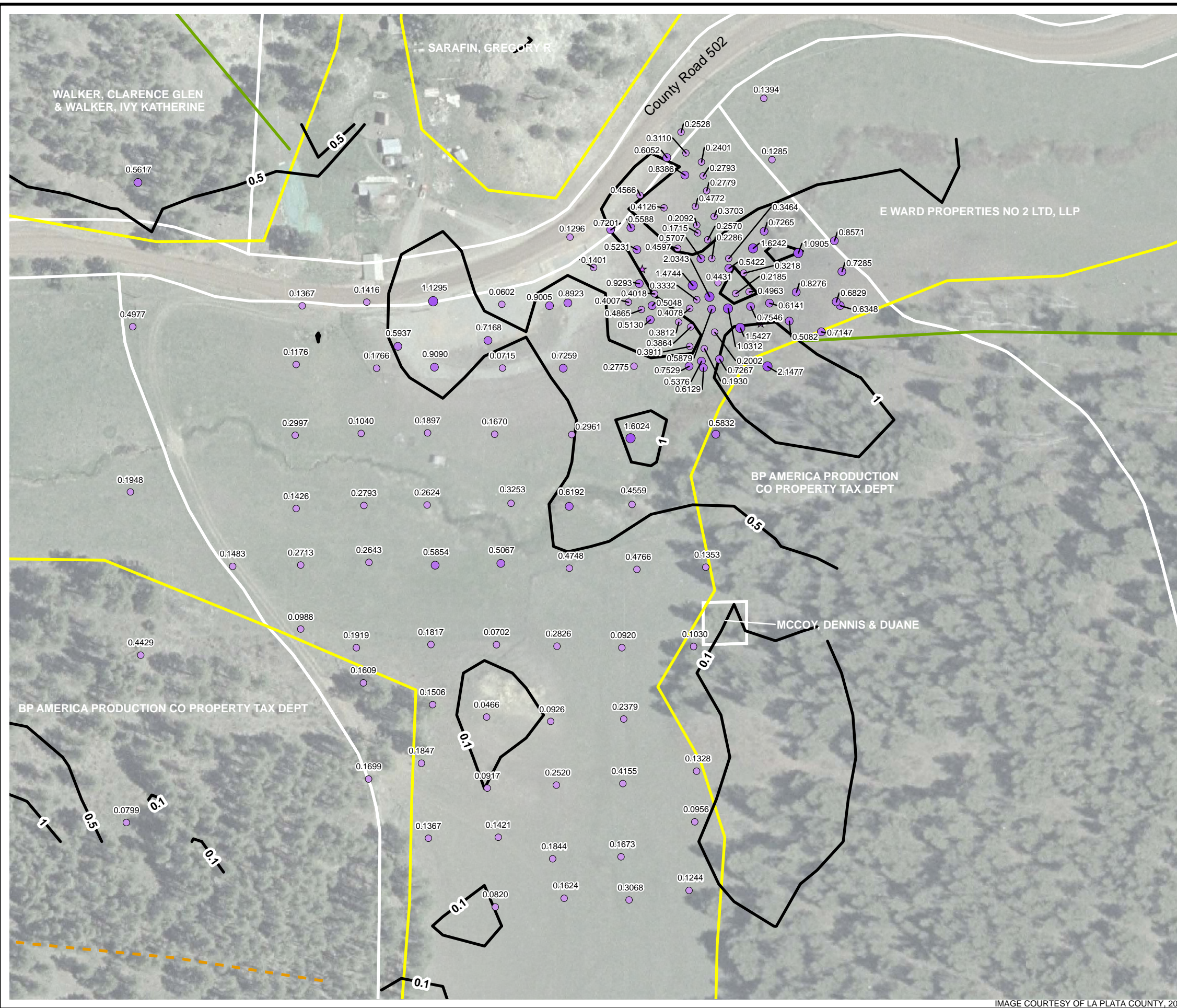
- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location ($\text{mol/m}^2 \cdot \text{day}$)
- 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Carbon Dioxide Flux Contour in $\text{mol/m}^2 \cdot \text{day}$ (Interval Varies)
- Geology
- Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- $\text{mol/m}^2 \cdot \text{day}$ - moles per square meter per day
ppm - parts per million
- Flux points not labeled are 0.0000 $\text{mol/m}^2 \cdot \text{day}$ Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 53
CARBON DIOXIDE FLUX CONTOURS
SOUTH FORK TEXAS CREEK WEST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location (mol/m² · day)
- 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Carbon Dioxide Flux Contour in mol/m² · day (Interval Varies)
- Geology
- Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² · day - moles per square meter per day
ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² · day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 54
CARBON DIOXIDE FLUX CONTOURS
SOUTH FORK TEXAS CREEK CENTRAL
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

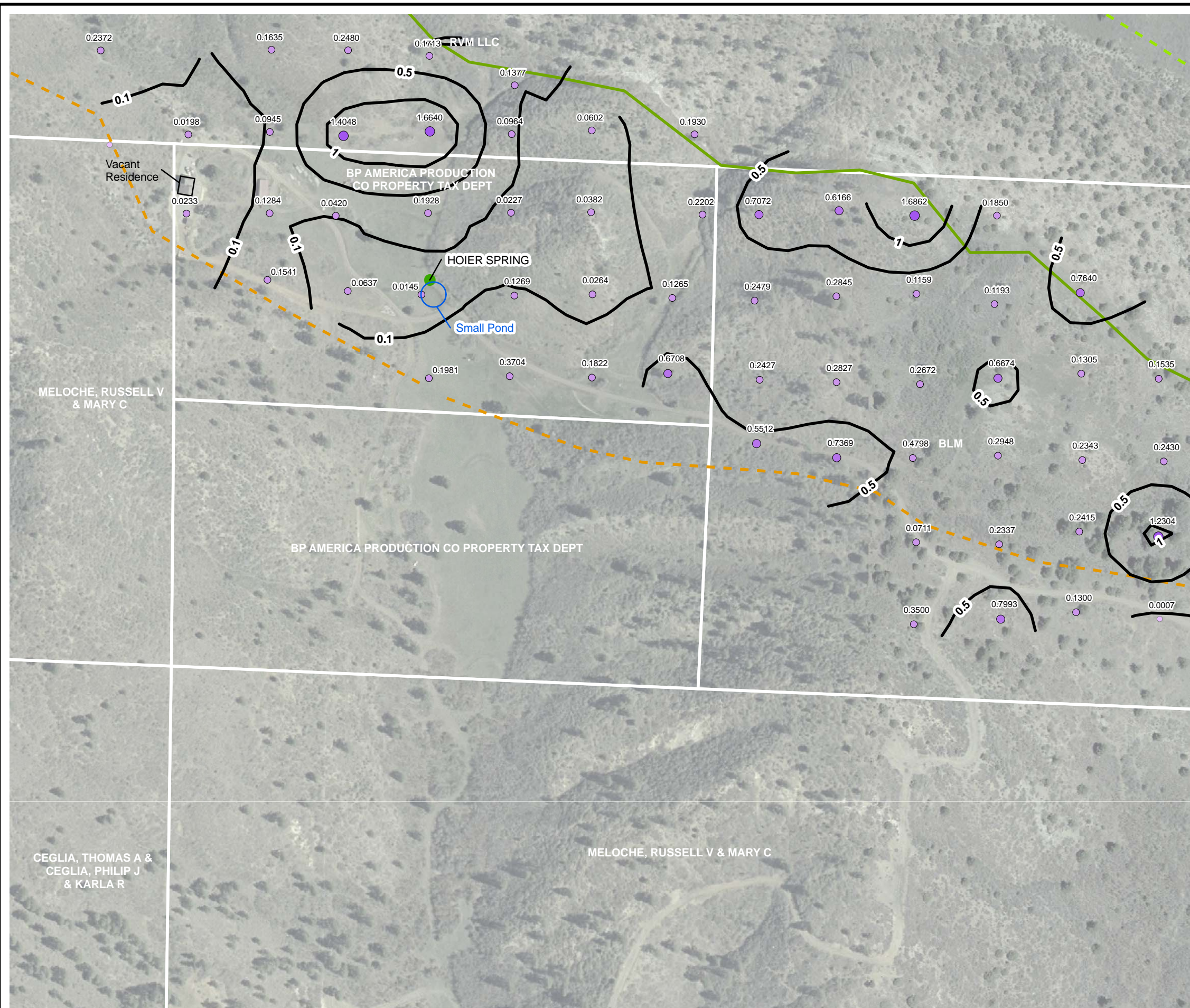
- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location (mol/m²·day)
- 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Carbon Dioxide Flux Contour in mol/m²·day (Interval Varies)
- Geology
- Fruitland Formation (Kf)
 - - - Fruitland Formation Tongue (Kft)
 - - - Kirtland Formation (Kk)
 - - - Pictured Cliffs Formation (Kpc)
 - - - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m²·day - moles per square meter per day
 ppm - parts per million
- Flux points not labeled are 0.0000 mol/m²·day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 55
CARBON DIOXIDE FLUX CONTOURS
SOUTH FORK TEXAS CREEK EAST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)
- Natural Spring Location
 - Sampled
 - Field Parameters Only
 - Dry
 - Not Located
 - No Access
- Carbon Dioxide Flux Location (mol/m² • day)
 - 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Carbon Dioxide Flux Contour in mol/m² • day (Interval Varies)
- Geology
 - Fruitland Formation (Kf)
 - Fruitland Formation Tongue (Kft)
 - Kirtland Formation (Kk)
 - Pictured Cliffs Formation (Kpc)
 - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- mol/m² • day - moles per square meter per day
- ppm - parts per million
- Flux points not labeled are 0.0000 mol/m² • day Methane
- All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.
- * Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



FIGURE 56
CARBON DIOXIDE FLUX CONTOURS
BP HIGHLANDS
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007

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LEGEND

- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ☆ Gas Flux Chambers
- Parcel Boundary & Owner (white)

Carbon Dioxide Flux Location ($\text{mol/m}^2 \cdot \text{day}$)

- 0.0000 - 0.0100
- 0.0101 - 0.5000
- 0.5001 - 1.0000
- 1.0001 - 5.0000
- 5.0001 - 10.0000
- 10.0001 - 25.0000

Carbon Dioxide Flux Contour in $\text{mol/m}^2 \cdot \text{day}$ (Interval Varies)

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- - - Kirtland Formation (Kk)
- - - Pictured Cliffs Formation (Kpc)
- - - Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

$\text{mol/m}^2 \cdot \text{day}$ - moles per square meter per day
ppm - parts per million

Flux points not labeled are 0.0000 $\text{mol/m}^2 \cdot \text{day}$ Methane

All subsurface methane measurements shown had concentrations of 0 ppm unless otherwise noted.

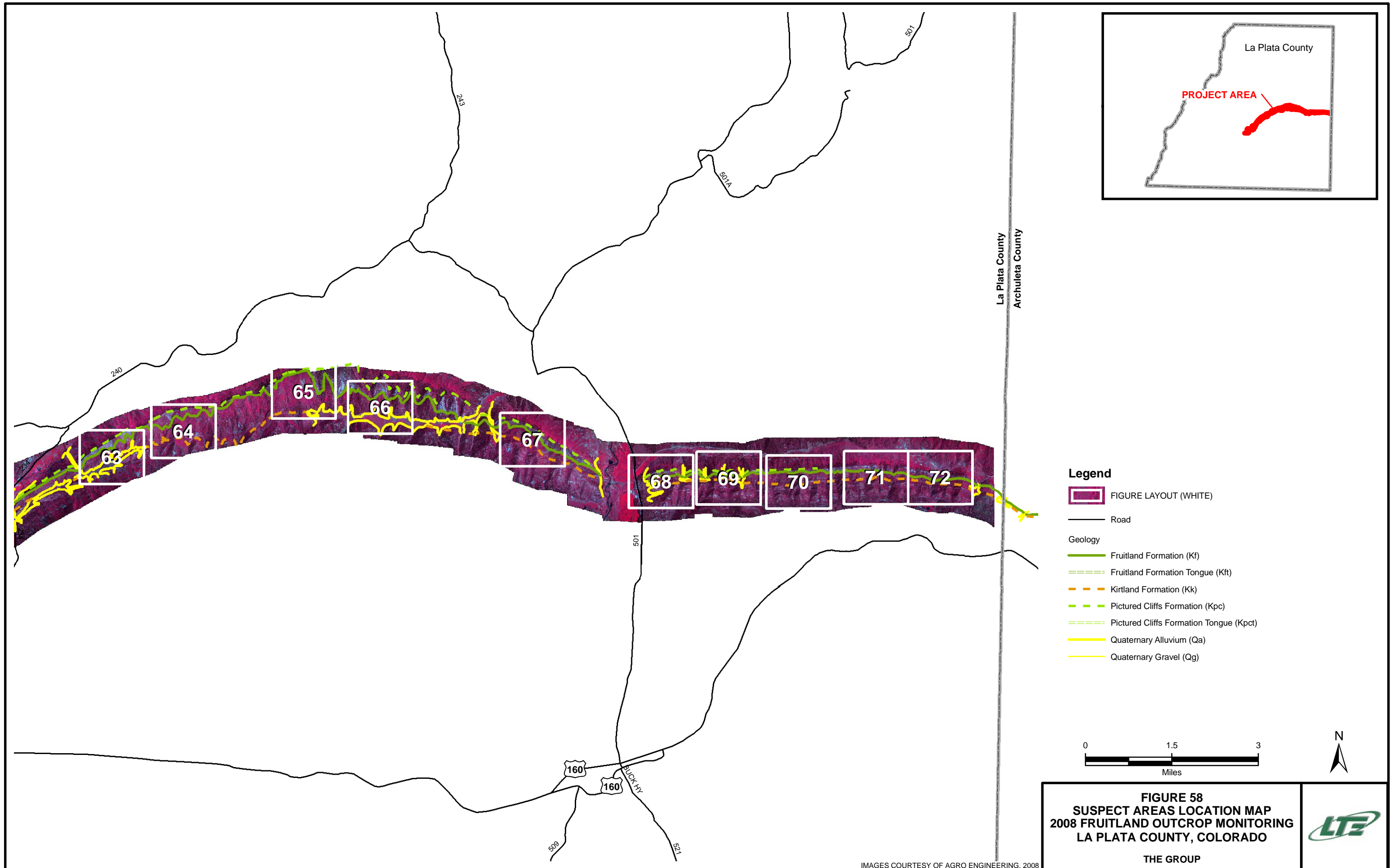
* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



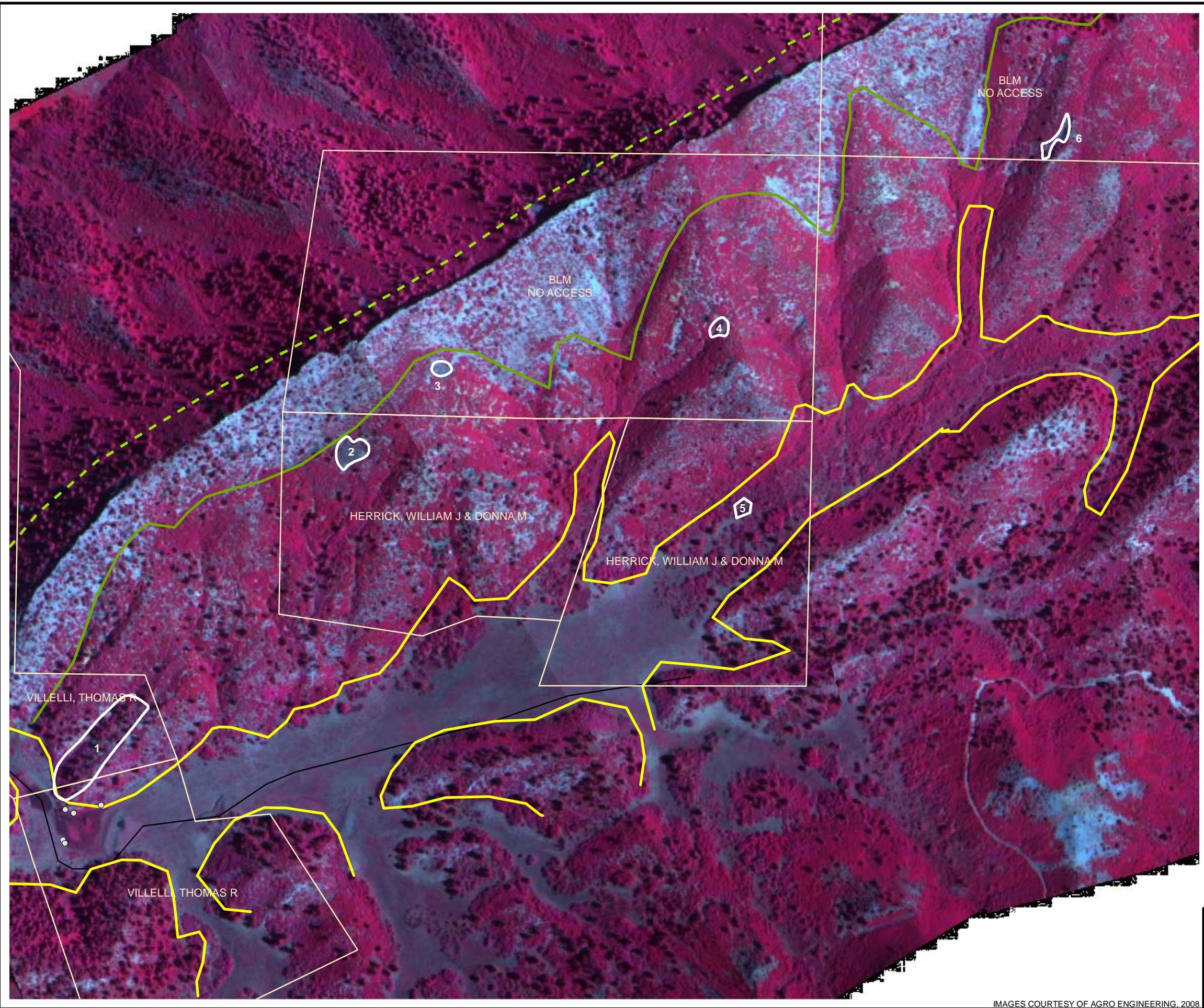
FIGURE 57
CARBON DIOXIDE FLUX CONTOURS
PINE RIVER
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



IMAGES COURTESY OF AGRO ENGINEERING, 2008



Legend

Subsurface Methane Measurements

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

- Parcel Boundary
- Suspect Area (white)
- Roads
- Rivers

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

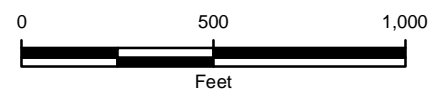


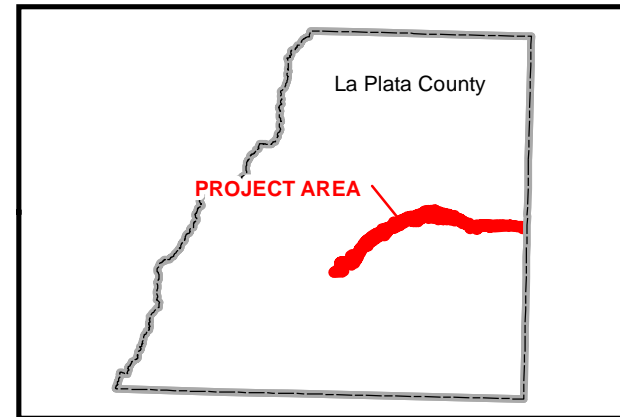
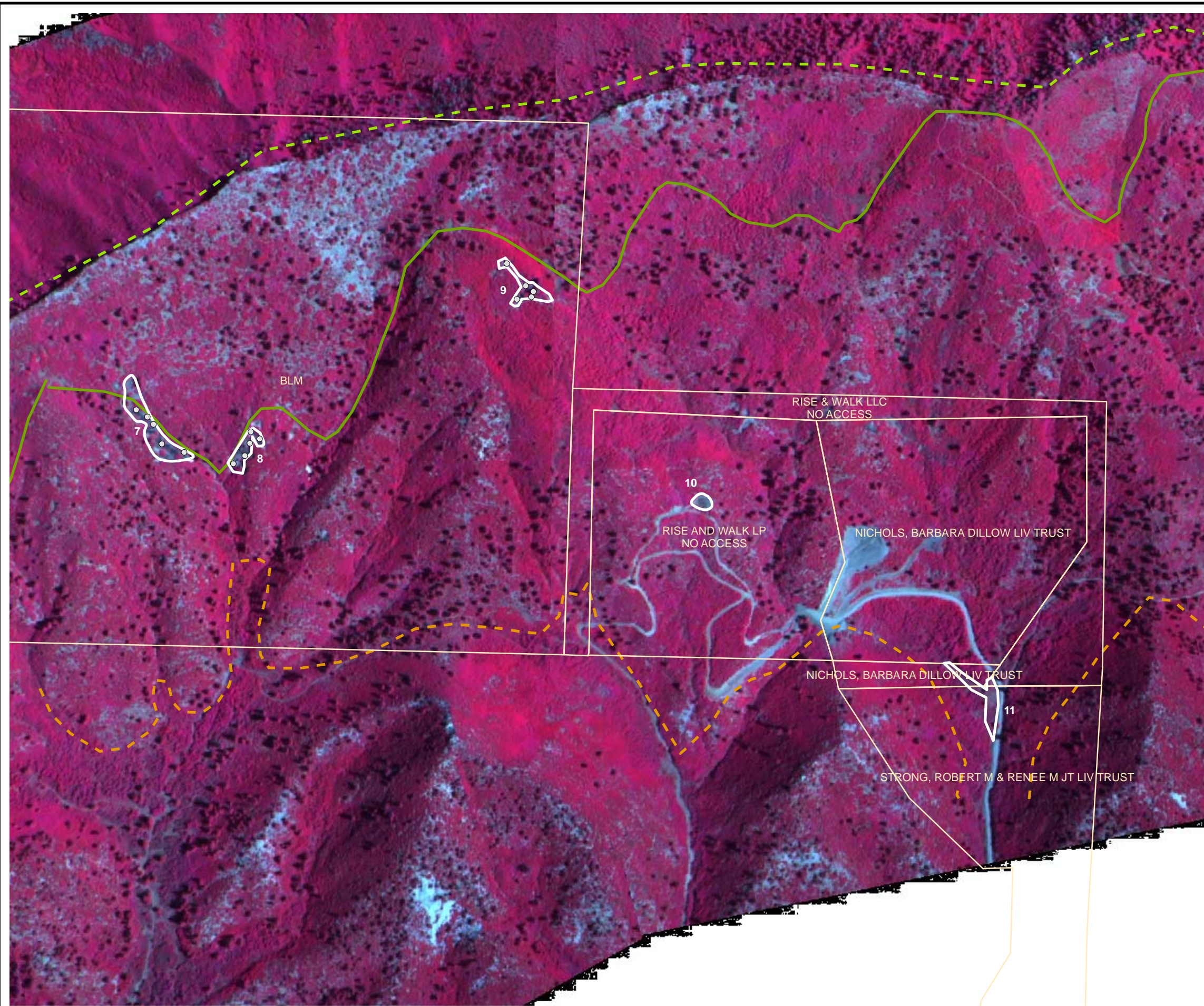
FIGURE 59
SUSPECT AREAS 1-6
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO



THE GROUP

IMAGES COURTESY OF AGRO ENGINEERING, 2008

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Legend

Subsurface Methane Measurement

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

- Parcel Boundary
- Suspect Area (white)
- Road

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- - - Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

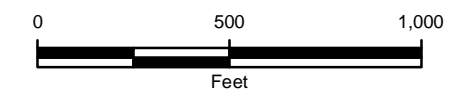
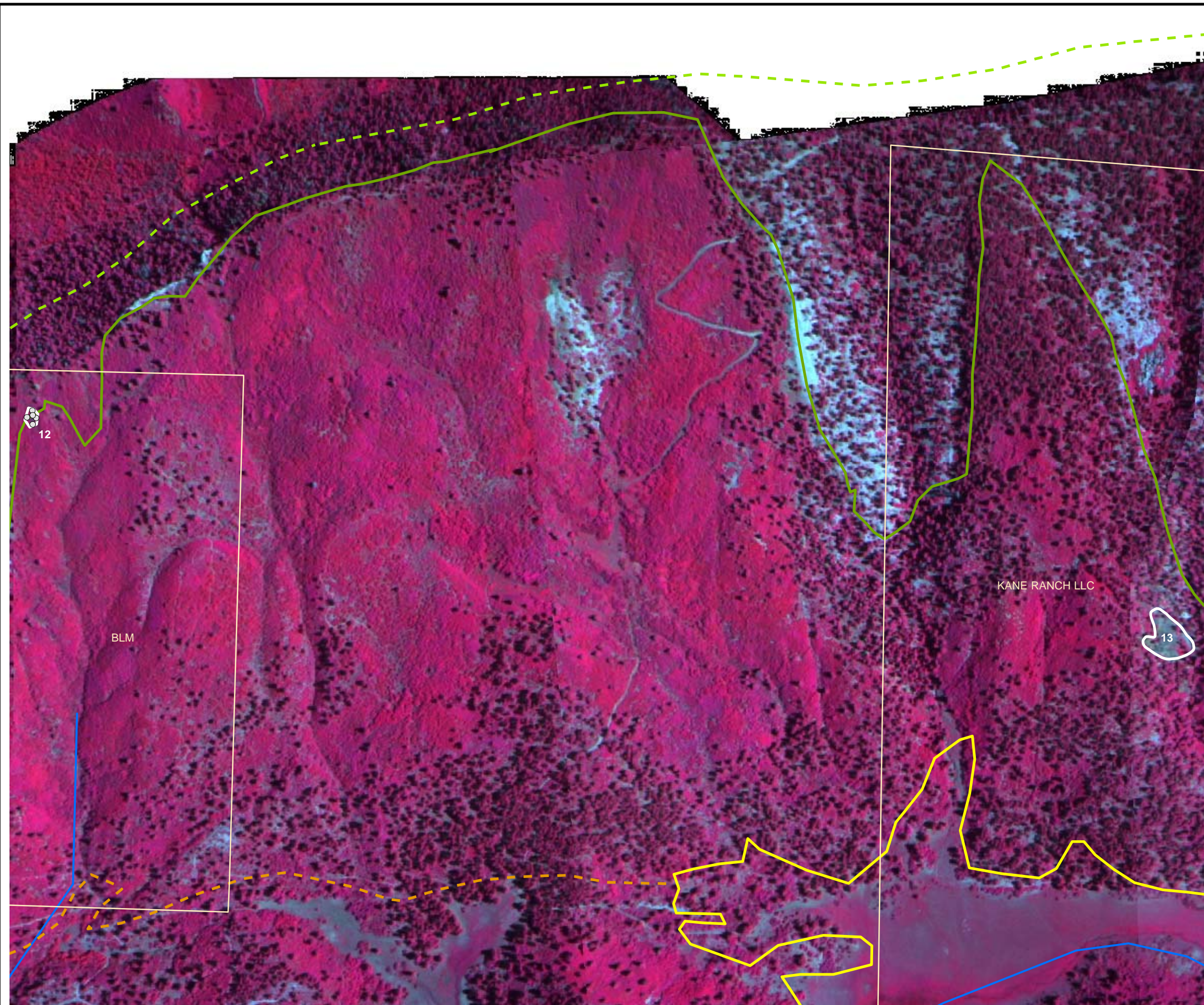


FIGURE 60
SUSPECT AREAS 7-11
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO



THE GROUP



Legend

Subsurface Methane Measurements

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

- Parcel Boundary
- Suspect Area (white)
- Roads
- Rivers

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

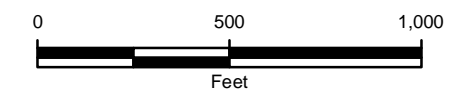
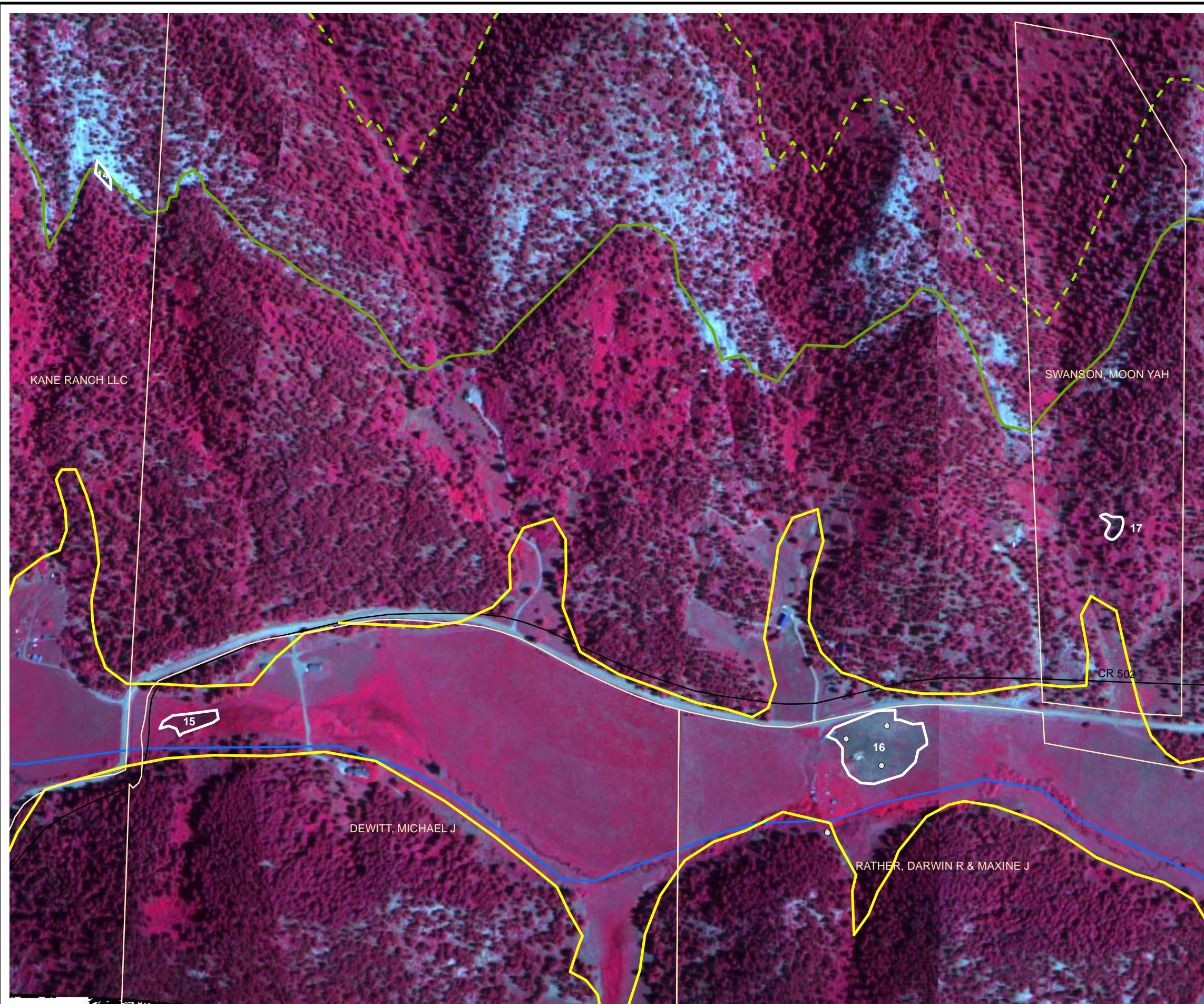


FIGURE 61
SUSPECT AREAS 12-13
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

THE GROUP



IMAGES COURTESY OF AGRO ENGINEERING, 2008



Legend

Subsurface Methane Measurements

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

- Parcel Boundary
- Suspect Area (white)
- Roads
- Rivers

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

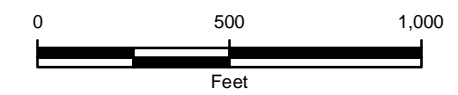
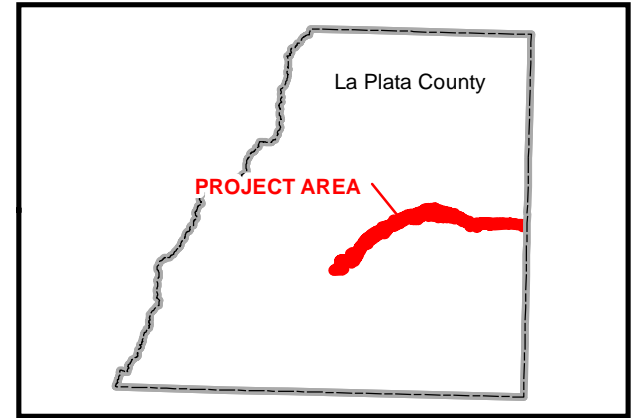
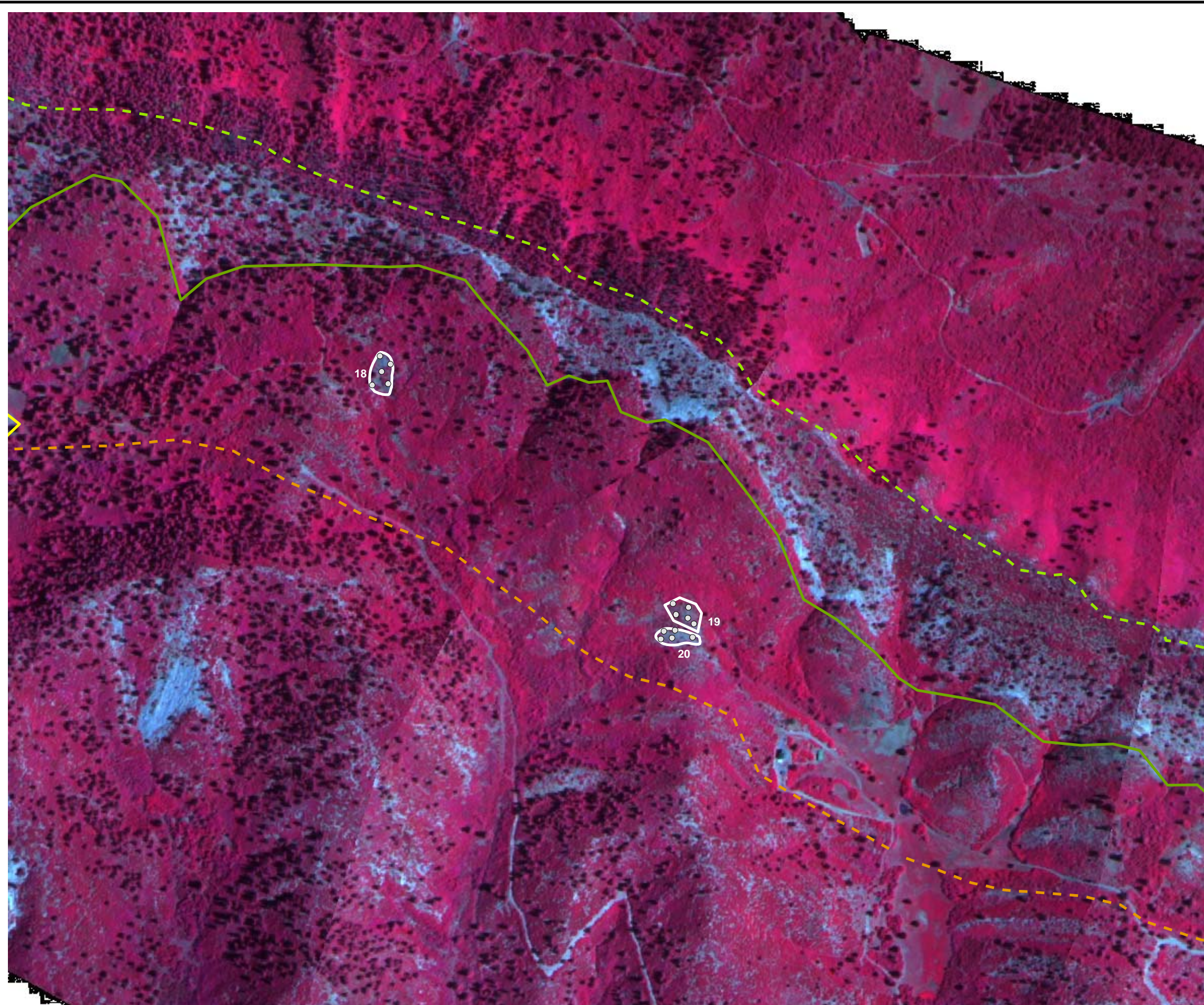


FIGURE 62
SUSPECT AREAS 14-17
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO



THE GROUP

IMAGES COURTESY OF AGRO ENGINEERING, 2008



Legend

Subsurface Methane Measurement

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

Suspect Area (white)

— Road

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

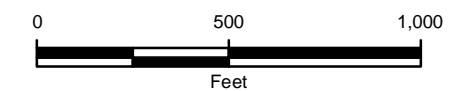


FIGURE 63
SUSPECT AREAS 18-20
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO



THE GROUP



Legend

Subsurface Methane Measurements

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

- Parcel Boundary
- Suspect Area (white)
- Roads
- Rivers

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

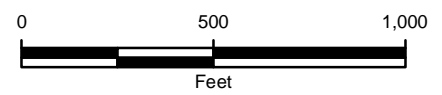


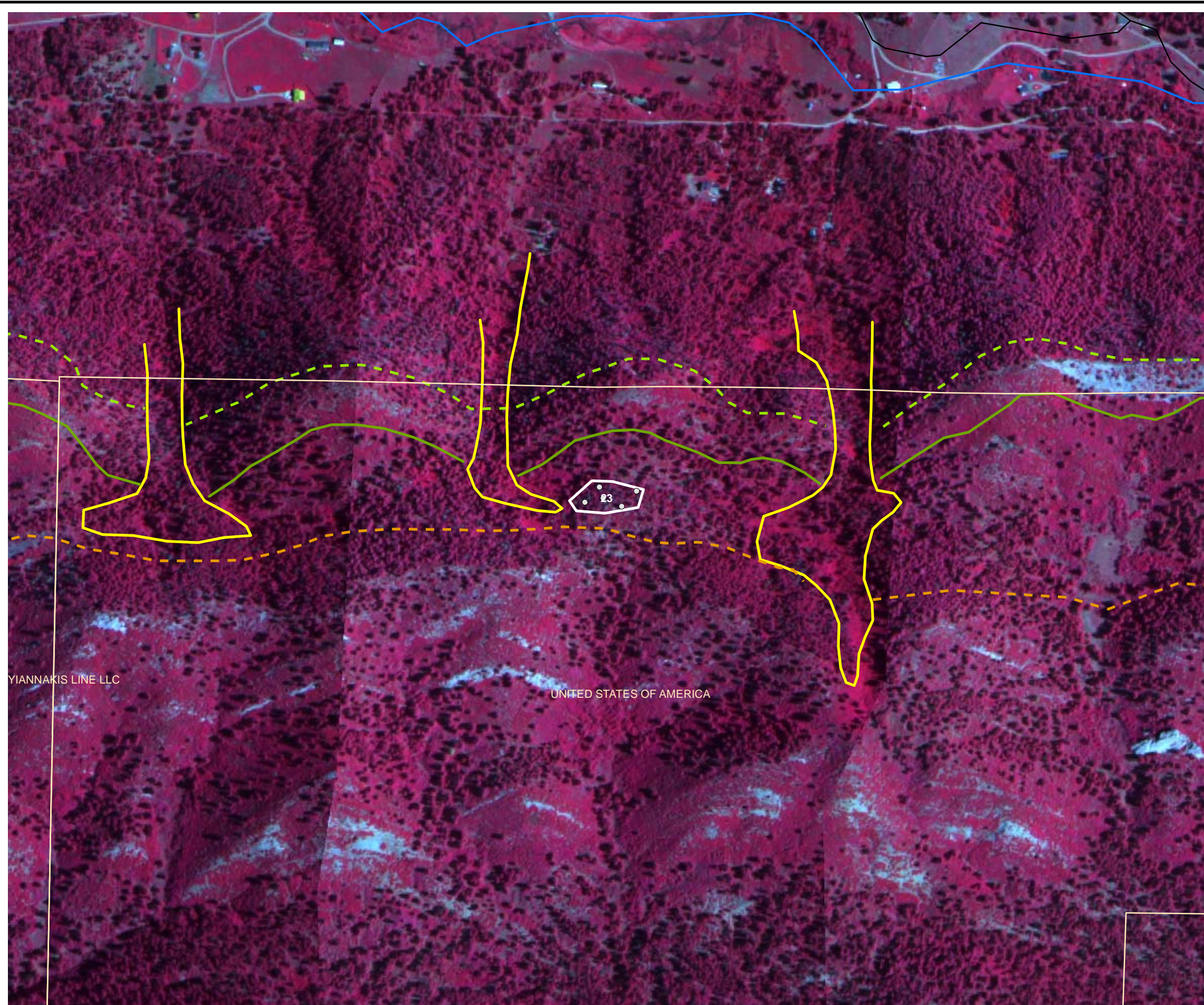
FIGURE 64
SUSPECT AREAS 21-22
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO



THE GROUP

IMAGES COURTESY OF AGRO ENGINEERING, 2008

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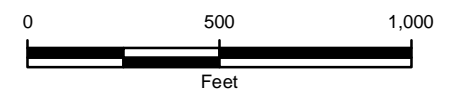
Subsurface Methane Measurements

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

- Parcel Boundary
- Suspect Area (white)
- Roads
- Rivers

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)



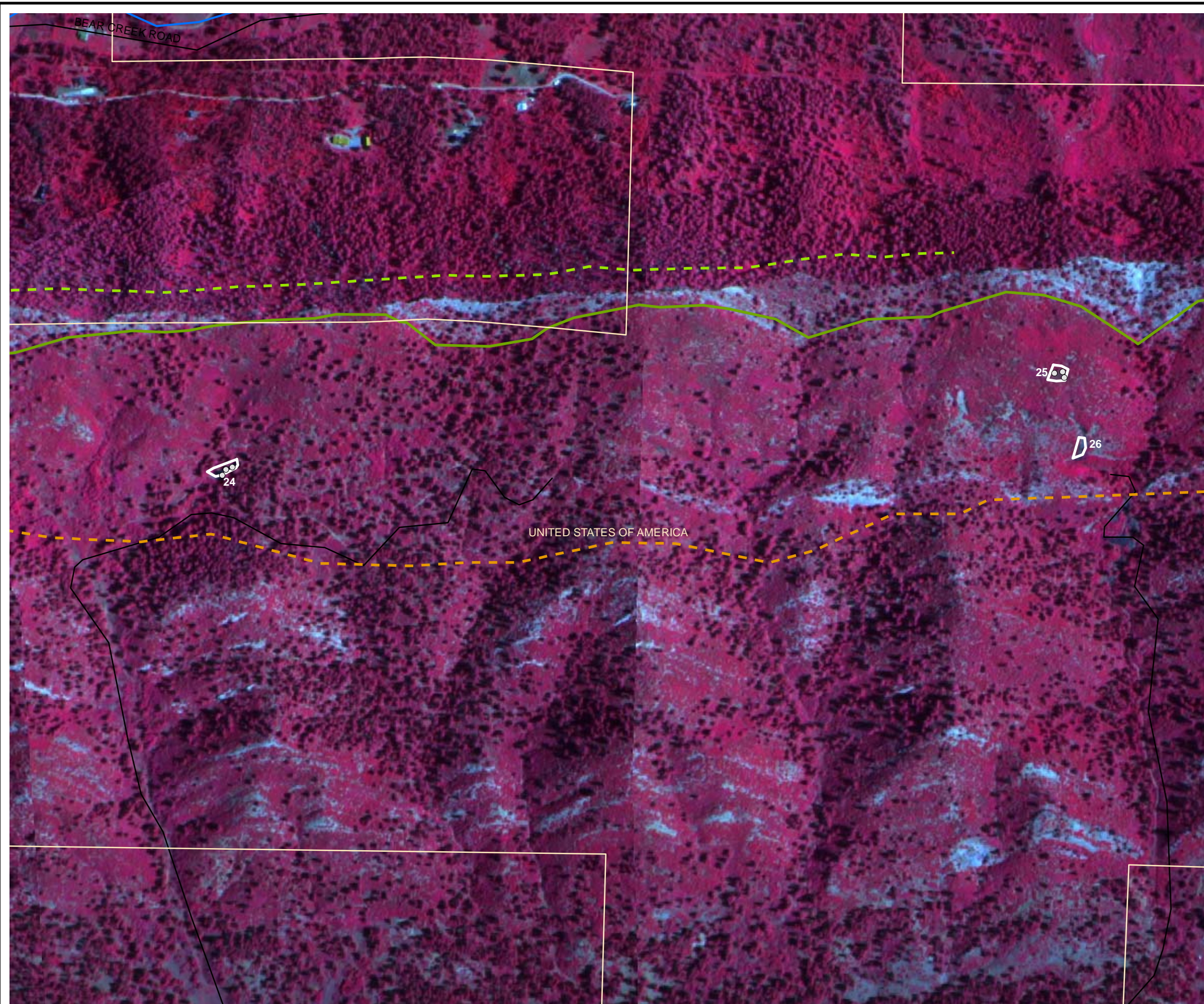
YIANNAKIS LINE LLC

UNITED STATES OF AMERICA

FIGURE 65
SUSPECT AREA 23
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO



THE GROUP



Legend

Subsurface Methane Measurements

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

- Parcel Boundary
- Suspect Area (white)
- Roads
- Rivers

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

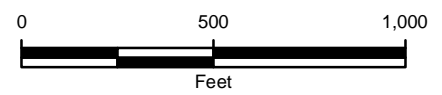


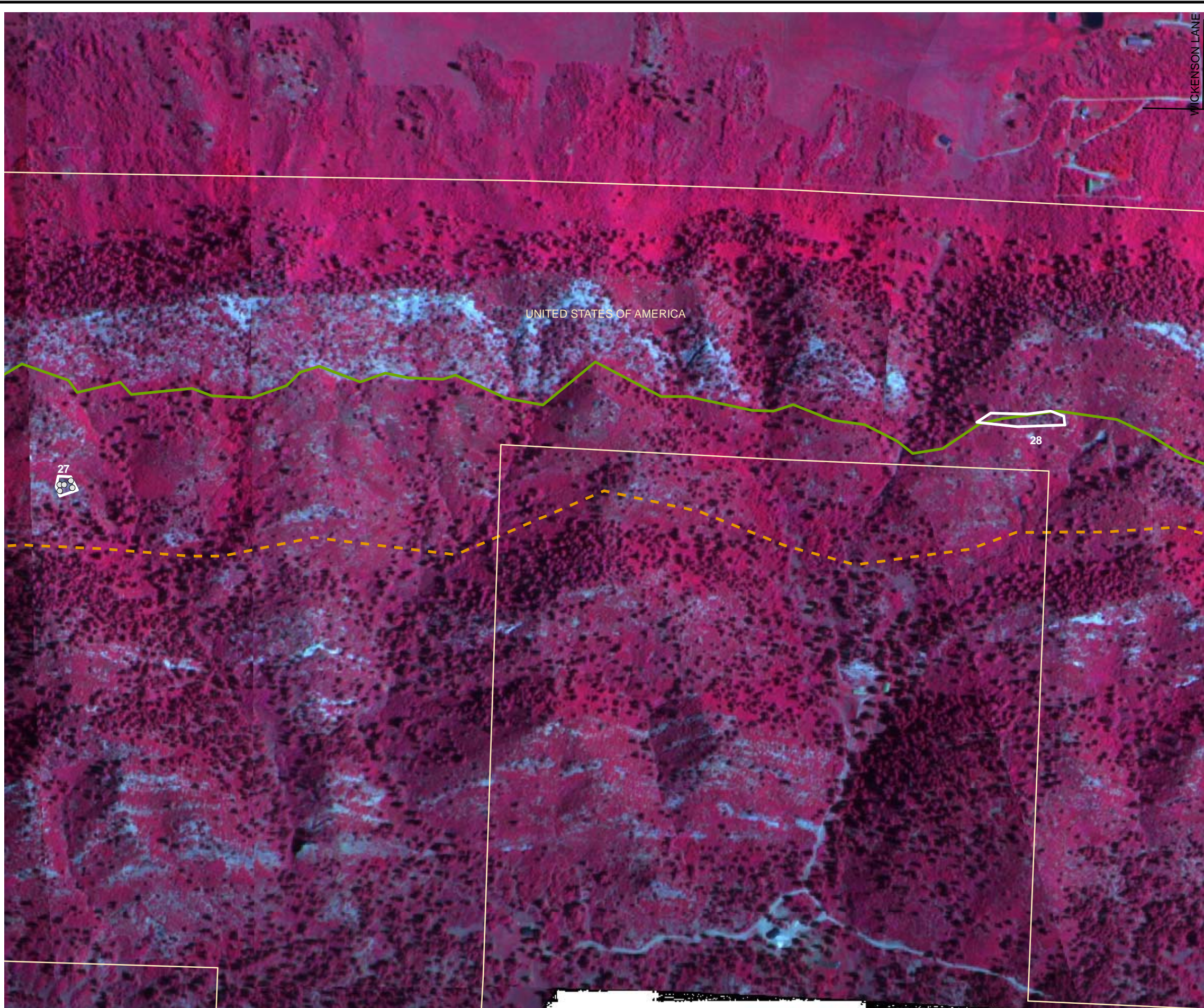
FIGURE 66
SUSPECT AREAS 24-26
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO



THE GROUP

IMAGES COURTESY OF AGRO ENGINEERING, 2008

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WICKENSON LANE

UNITED STATES OF AMERICA

28

27

Legend

Subsurface Methane Measurements

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

- Parcel Boundary
- Suspect Area (white)
- Roads
- Rivers

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

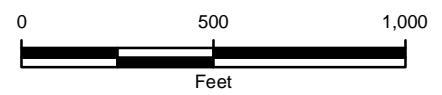


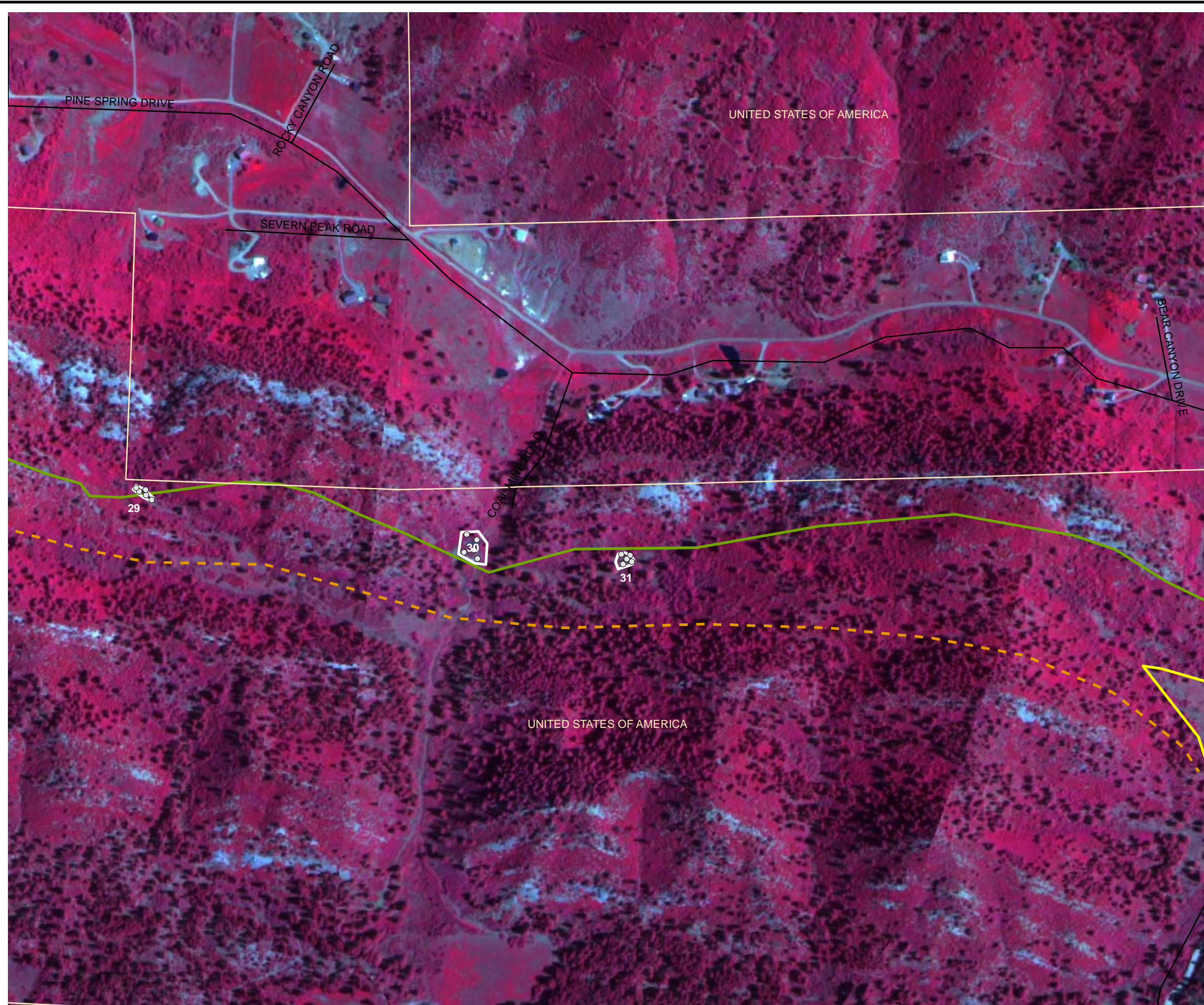
FIGURE 67
SUSPECT AREAS 27-28
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO



THE GROUP

IMAGES COURTESY OF AGRO ENGINEERING, 2008

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Legend

Subsurface Methane Measurements

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

- Parcel Boundary
- Suspect Area (white)
- Roads
- Rivers

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

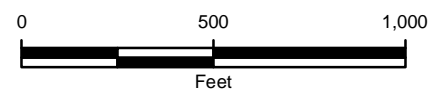


FIGURE 68
SUSPECT AREAS 29-31
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO



THE GROUP

IMAGES COURTESY OF AGRO ENGINEERING, 2008

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LEGEND

- + Gas Monitoring Probes
- ☆ Gas Flux Chambers
- <all other values>
- Natural Spring Location
 - Sampled
 - Field Parameters Only
 - Dry
 - Not Located
 - No Access
- Subsurface Methane Measurement
 - 0 ppm
 - 1ppm - 500 ppm
 - 500 ppm - 5%
 - 6% - 15%
 - 16% - 25%
 - 26% - 50%
 - 51% - 75%
 - 76% - 100%
- Geology
 - Fruitland Formation (Kf)
 - - - Fruitland Formation Tongue (Kft)
 - - - Kirtland Formation (Kk)
 - - - Pictured Cliffs Formation (Kpc)
 - - - Pictured Cliffs Formation Tongue (Kpct)
 - Quaternary Alluvium (Qa)
 - Quaternary Gravel (Qg)
- ppm - parts per million
% - percent

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

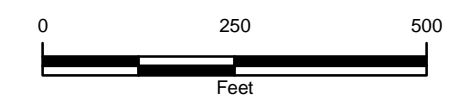
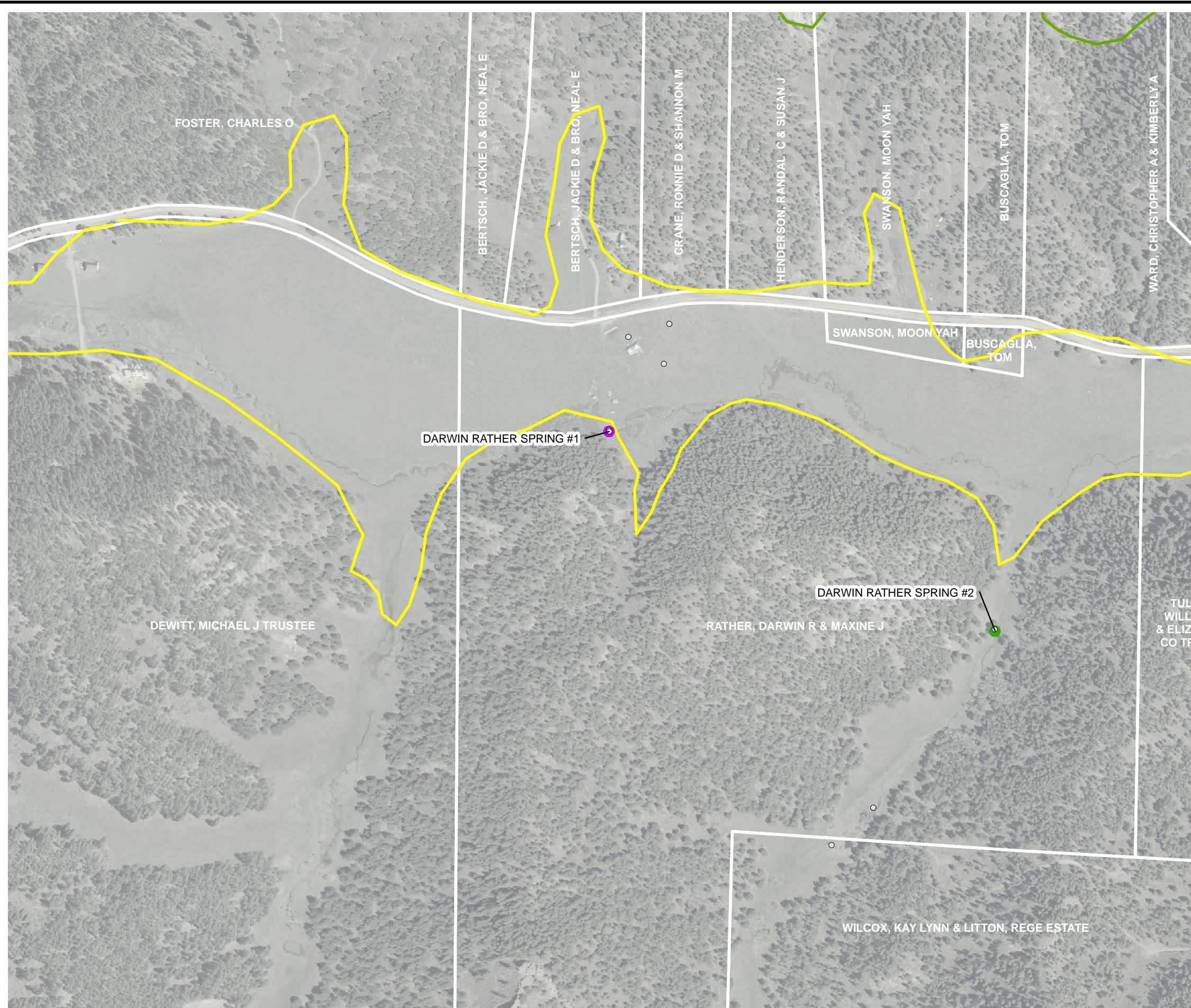


FIGURE 69
DETAILED SPRINGS LOCATION MAP
EDGEMONT RANCH
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

- + Gas Monitoring Probes
- ☆ Gas Flux Chambers

<all other values>

Natural Spring Location

- Sampled
- Field Parameters Only
- Dry
- Not Located
- No Access

Subsurface Methane Measurement

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

Geology

- Fruitland Formation (Kf)
- Fruitland Formation Tongue (Kft)
- Kirtland Formation (Kk)
- Pictured Cliffs Formation (Kpc)
- Pictured Cliffs Formation Tongue (Kpct)
- Quaternary Alluvium (Qa)
- Quaternary Gravel (Qg)

ppm - parts per million
% - percent

* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.

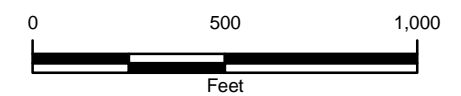
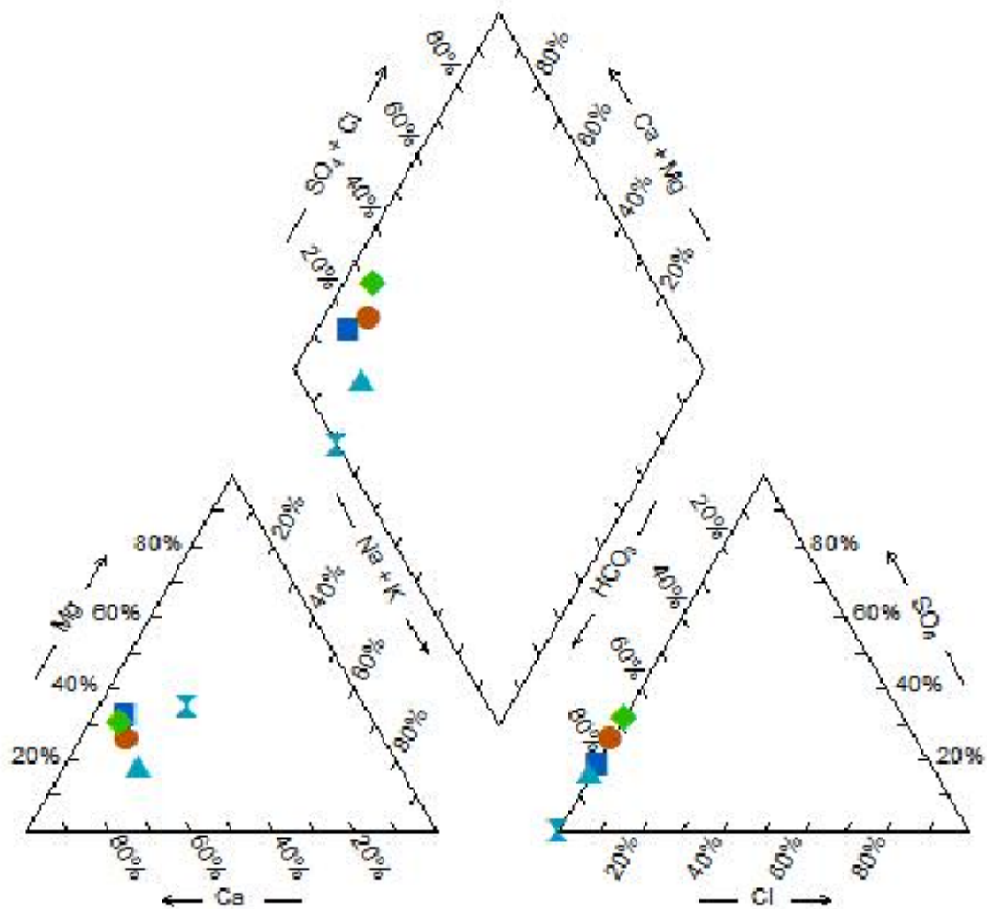


FIGURE 70
DETAILED SPRINGS LOCATION MAP
SOUTH FORK TEXAS CREEK
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



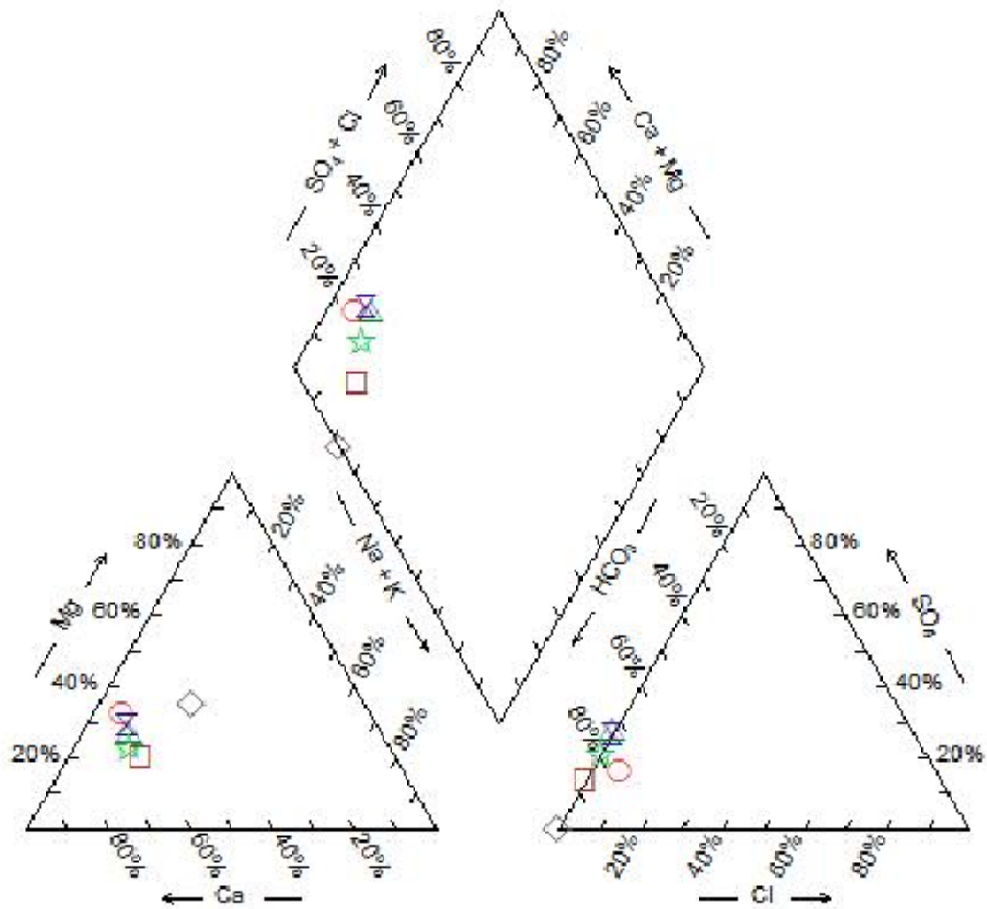


LEGEND

- DARWIN RATHER #1
- ▲ DARWIN RATHER #2
- RANCHO DURANGO LTD
- ◆ RANCHO DURANGO NORTH
- ✕ HOIER SPRING

FIGURE 71
TRI-LINEAR DIAGRAM OF NATURAL SPRINGS WATERS
JUNE 23, 2008
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
 THE GROUP





LEGEND

- DARWIN RATHER #1
- DARWIN RATHER #2
- △ RANCHO DURANGO LTD
- ⊗ RANCHO DURANGO NORTH
- ☆ RANCHO DURANGO EAST
- ◇ HOIER SPRING

FIGURE 72
TRI-LINEAR DIAGRAM OF NATURAL SPRINGS WATERS
OCTOBER 15, 2008
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
 THE GROUP



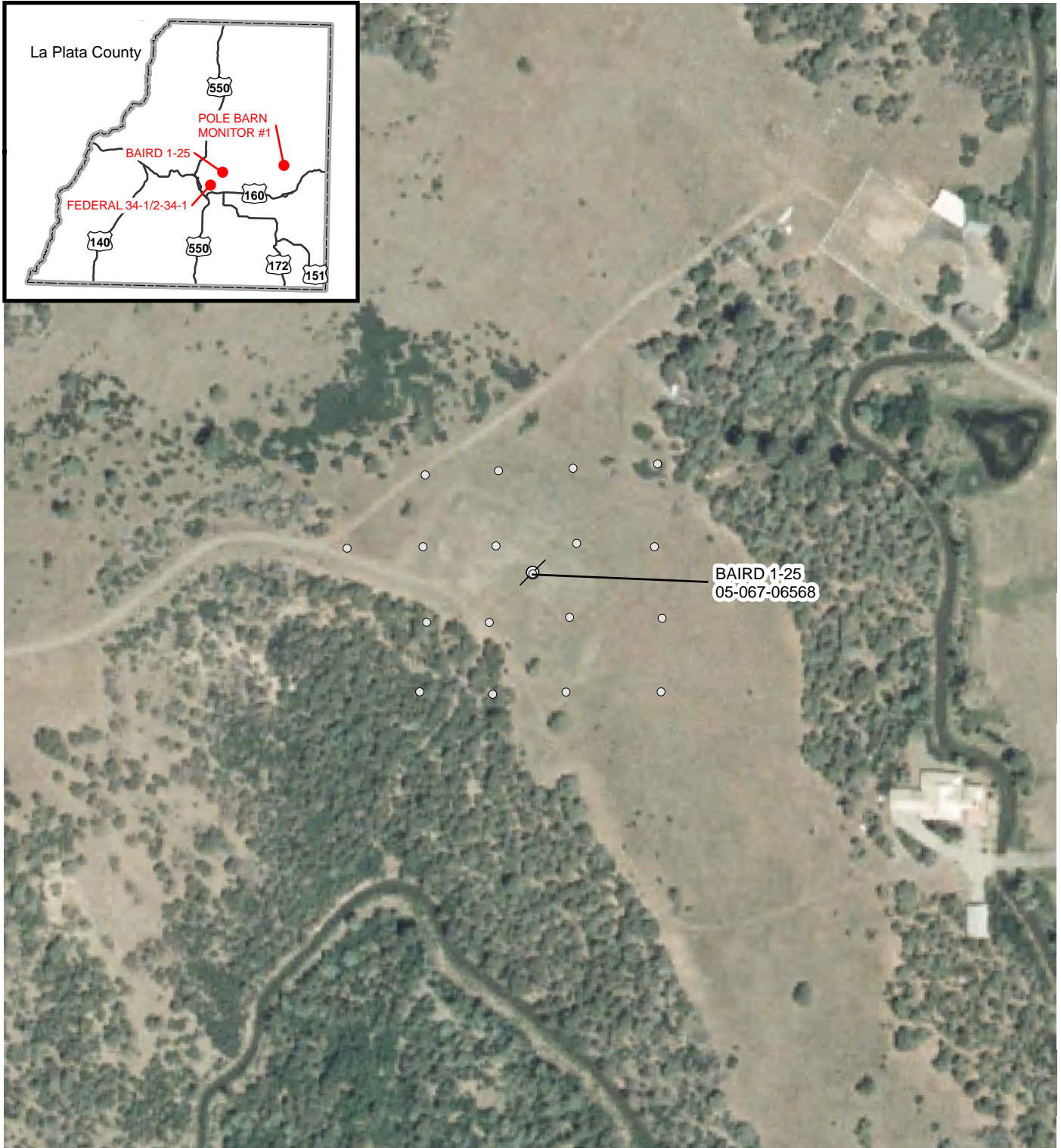
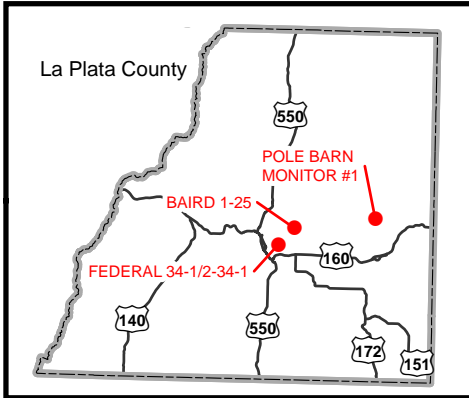


IMAGE COURTESY OF USDA/NRCS, 2008

LEGEND

Subsurface Methane Measurements

⊗ Abandoned Well Location

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

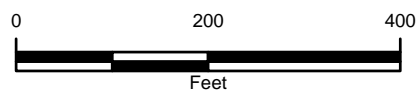


FIGURE 73
SUBSURFACE METHANE MEASUREMENTS
BAIRD 1-25
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



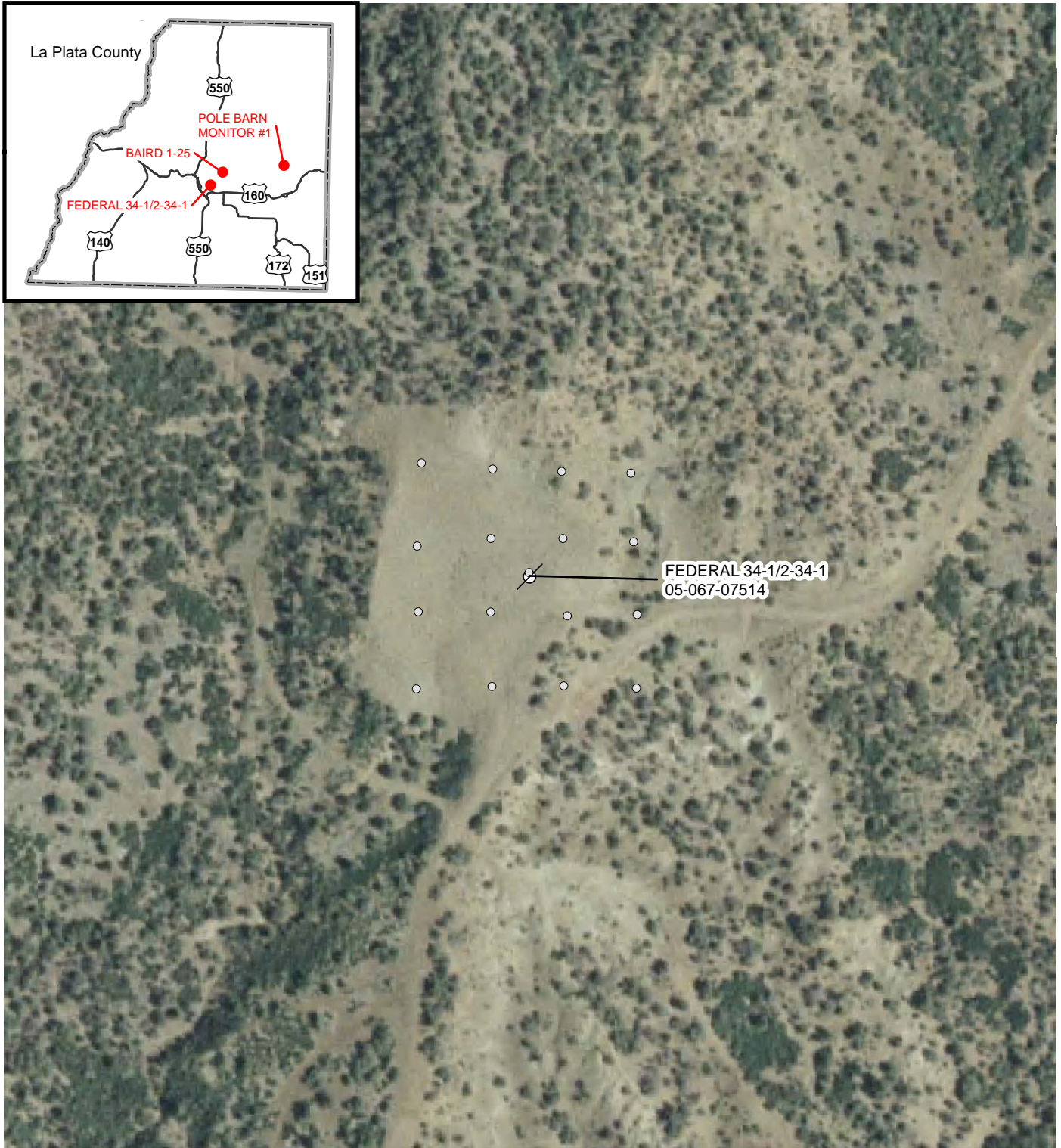
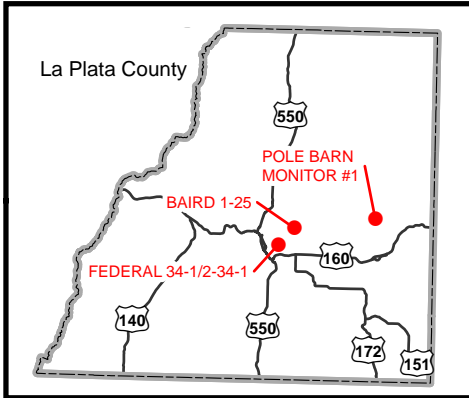


IMAGE COURTESY OF USDA/NRCS, 2008

LEGEND

Subsurface Methane Measurements

⊘ Abandoned Well Location

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

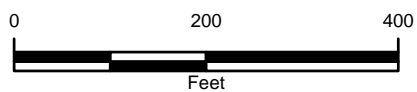


FIGURE 74
SUBSURFACE METHANE MEASUREMENTS
FEDERAL 34-1/2-34-1
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



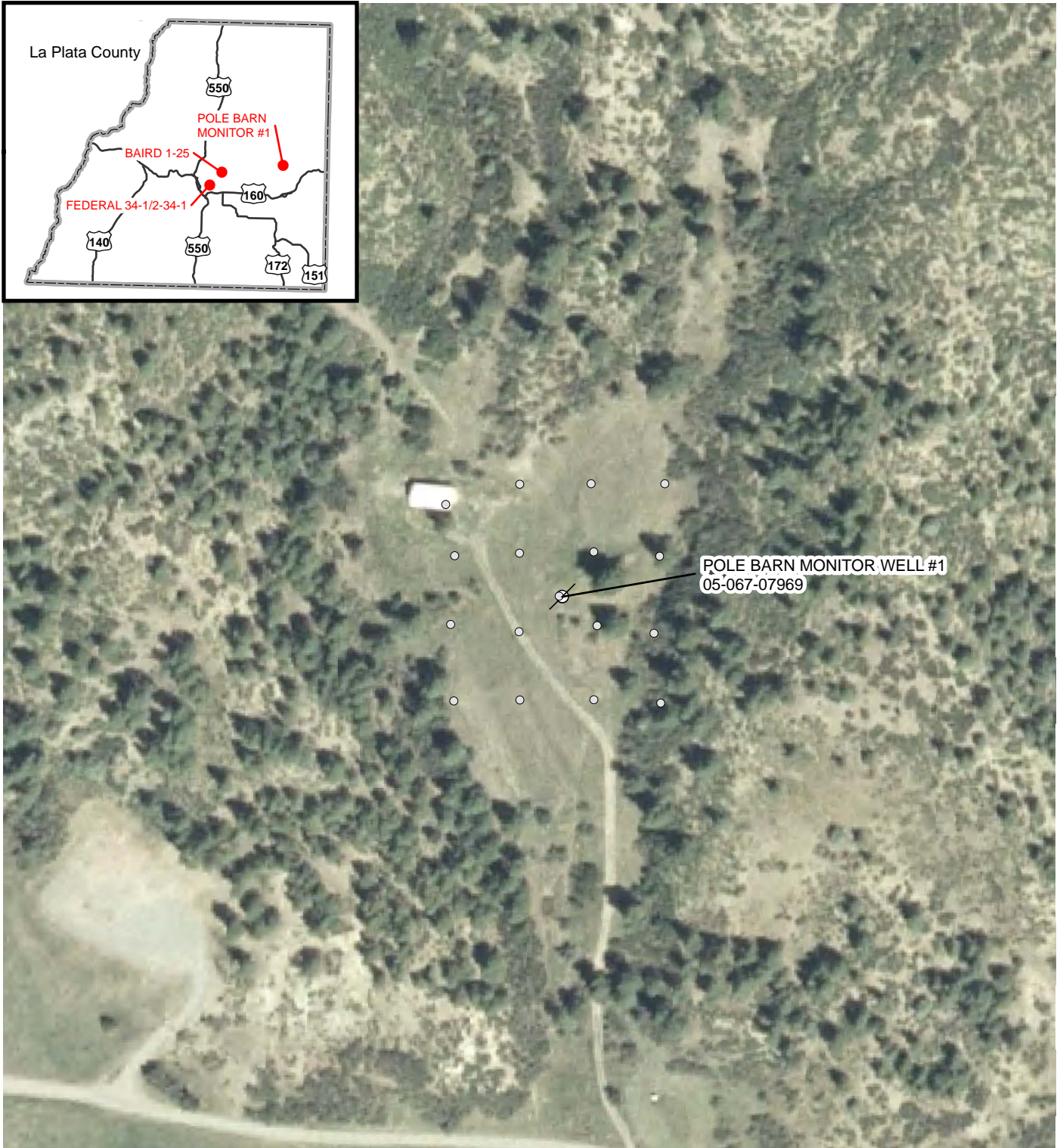
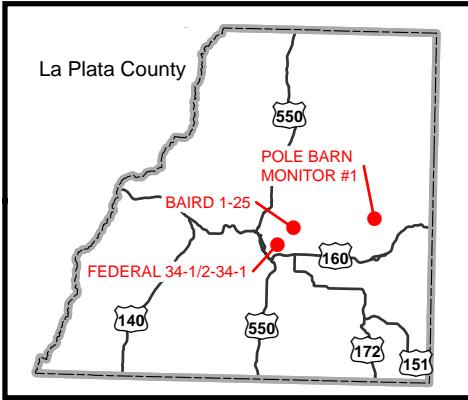


IMAGE COURTESY OF USDA/NRCS, 2008

LEGEND

Subsurface Methane Measurements

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

⊗ Abandoned Well Location

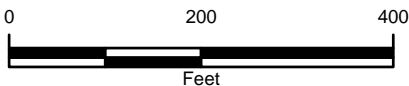


FIGURE 75
SUBSURFACE METHANE MEASUREMENTS
POLE BARN MONITOR WELL #1
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP

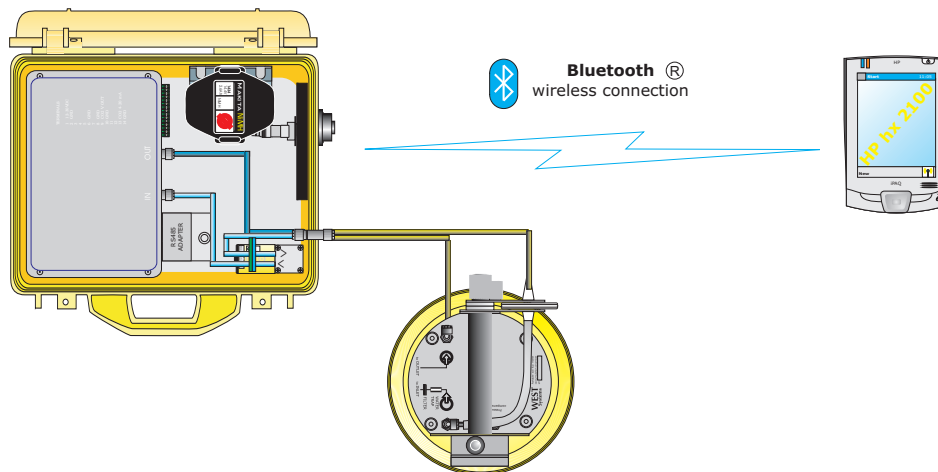


APPENDIX A
EQUIPMENT SPECIFICATIONS



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

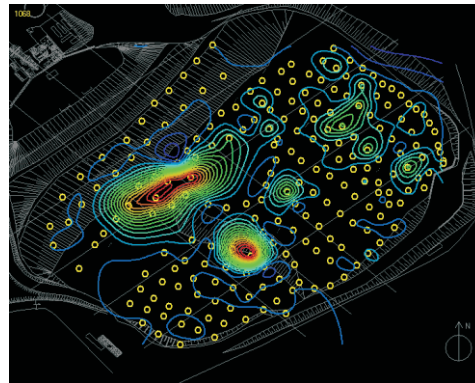
The WEST Systems Fluxmeter is a portable instrument for the measurement of soil gas diffuse degassing phenomena that uses the accumulation chamber method.



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 lines



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

Portable soil flux meter

Common physical characteristics:

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

Warm Up

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

Accumulation Chamber specifications:

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

Palm top computer: PocketPC Color Display based on Windows Mobile operating system.

- PalmTop with cables, 0.3 Kg/0.7 lbs.
- Size 125mm (4.8") x 82mm (3.2") * 25 mm (1").

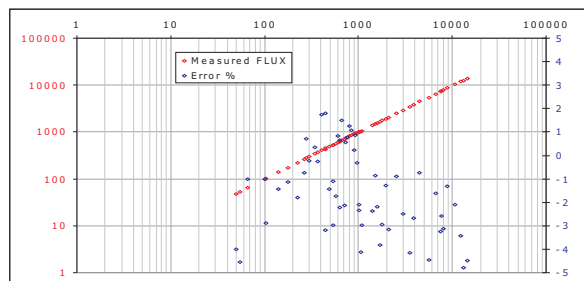
Software The instrument is supplied with a custom software, FluxManager, which allows recording and visualization of the increase in concentration of the target gas in the accumulation chamber, and then the flux calculations. The obtained measurements can be saved on the palmtop computer and then transferred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

The instrument is supplied complete with:

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

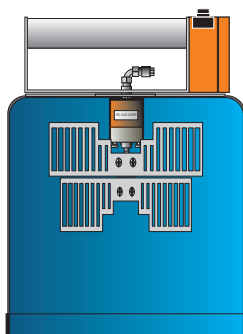
The standard flux meter configuration is supplied with a single gas detector, normally the carbon dioxide detector. The fluxmeter can host two sensors by the way special releases, based on specific customer request, it can be supplied with a maximum of 3 sensors.

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



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

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

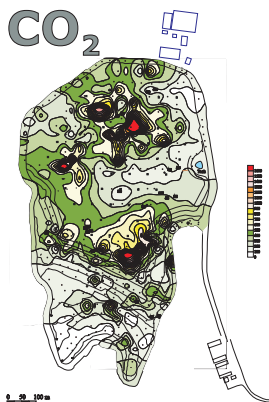


Accumulation Chamber Type B

The accumulation chambers

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

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



CO₂ - LI820

LI820 based Carbon dioxide fluxmeter

The CO₂ Fluxmeter is equipped with the LICOR LI-820 the most accurate and reliable portable carbon dioxide detector. The LI-820 is a double beam infrared sensor compensated for temperature variation in the range from -10 to 45°C and for atmospheric pressure variation in the range 660-1060 hPa. Accuracy 2% repeatability ±5ppm. The full scale range can be set to 1000, 2000, 5000 or 20000 ppmV of carbon dioxide. The characteristics of precision refer to the sensor set to a full scale range of 20000 ppmV. If a very high sensitivity is required, the detector can be set to 1000 or 2000 ppm full scale value to measure with very high precision fluxes in the range from 0 to 10 moles m⁻² day⁻¹

CO₂ FLUX Measurement range:

from 0 up 600 moles m⁻² day⁻¹

The accuracy depends on the measured flux:

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

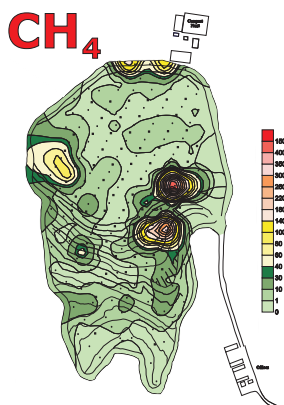
WS-DRAGER CO₂

WS-DRAGER: CO₂ Flux measurement:

A double beam infrared sensor compensated for temperature variation in the range from -20 to 65°C. Accuracy 3%. The full scale value can be set from 2,000 to 300,000 ppm of carbon dioxide. Carbon Dioxide flux measurement range from 0.5 to 1500 moles/m² per day.

The precision depends on the measured flux:

range: 0.5 – 5 moles/m ² per day	25% (Acc. chamber A)
5-350 moles/m ² /day	10% (Acc. chamber B)
350-600 moles/m ² /day	25% (Acc. chamber B)
600-1500 moles/m ² /day	25% (Acc.Ch.B/ F.S.=10%)



WS-HC CH₄

Methane fluxmeter

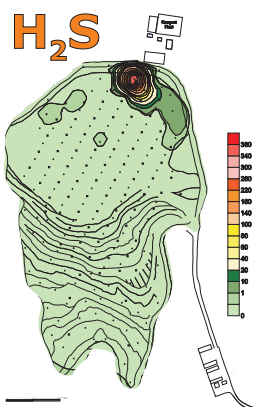
The methane sensor is an IR spectrometer. The full-scale range is 50000ppm, accuracy of 5% of reading, and repeatability is 2% of span. Detection limit 60 ppm, resolution 22 ppm. The detector was designed to measure the not controlled emissions of landfill, but it can be used to detect methane emission from coal or wherever the 0.2 moles/m²/day detection limit is acceptable.

Methane Flux measurement range

from 0.2 up 300 moles m⁻² day⁻¹

The fluxmeter is provided with 2 accumulation chambers and the accuracy depends on the measured flux:

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



H₂S - WEST

Hydrogen sulfide

The hydrogen sulphide detector is an electrochemical cell with the following specifications:

The full-scale range is 20ppm, with a precision of 3% of reading, and the repeatability is 1.5% of span with a zero offset of 0.3%.

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

The precision depends on the measured flux:

0.0025 – 0.05 moles/m ² per day	25% (Acc. Chamber A)
0.05 – 0.5 moles/m ² per day	10% (Acc. Chamber B)

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

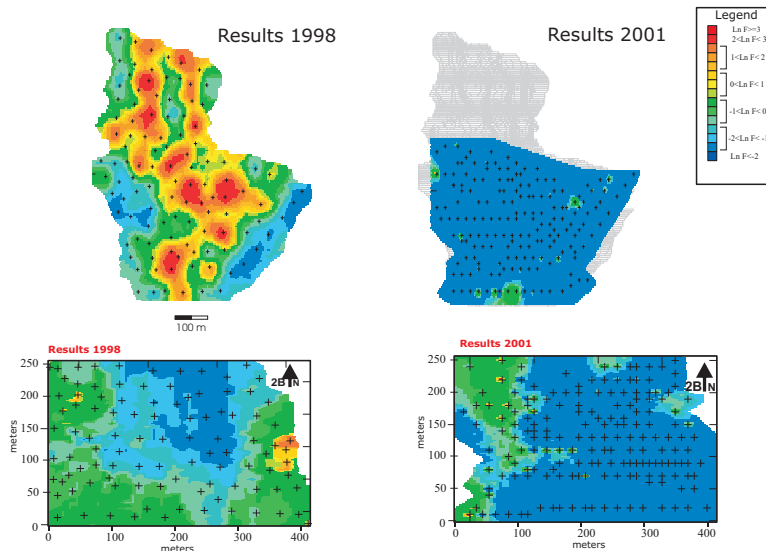
We thanks to N.Lima et al. for the maps.

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 interventions were efficient and state-of-the-art.



The obtained results:

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

Continuous soil flux monitoring

WEST Systems produces a soil gas station for the continuous monitoring of carbon dioxide and hydrogen sulfide flux, soil temperature, soil water content, soil pressure gradient, soil heat flux and meteorological parameters.

For more information contact your local representative, visit our web site or e-mail to: g.virgili@westsystems.com

Local sales representative

H.Q.

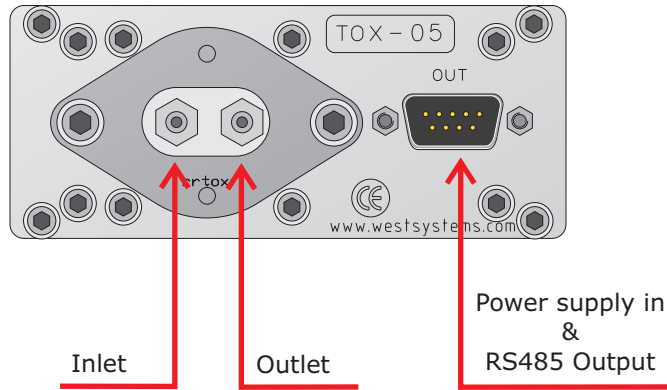
West Systems Srl

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

Japan

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

Hydrogen Sulfide Detector



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

Legenda

Gnd: Ground reference for power supply and RS485

+VDC: 10-28 Volts Power supply input

RS485-A: Digital signal output A

RS485-B: Digital signal output B

Sensor specifications

Ambient conditions:

Air temperature -40°C to 65 °C

Air pressure 700 hPa to 1300 hPa

Air RH 5% - 95% non condensating.

Expected sensor life > 24 months.

Chemical cell order code: WEST H2S-BH

Detector order code: WEST TOX-05-H2S-BH

Factory calibration : 20 ppm

RMS Noise <= 0.02 ppm

Zero Offset <= 0.2 ppm

Max Overrange >= 200 ppm

The chemical cell reaction is:



the gas sample specific consumption is very low:

2.5×10^{-10} moles/Sec per ppm

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

WS-HC detector

WS-HC Hydrocarbon Flux measurement:

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

Detector specifications:

Accuracy 5%

Repeatability 2%

Resolution 22 ppm (Methane equivalent)

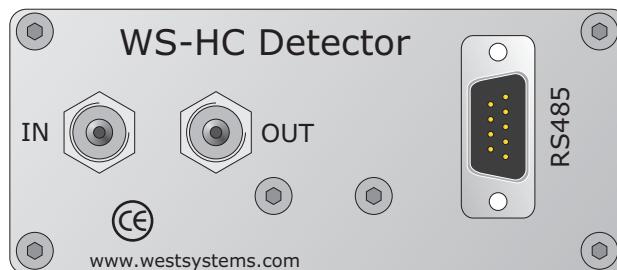
Full scale range is 50000 ppm of methane.

Detection limit 60 ppm.

Methane flux measurement range from 0.1 to 150 moles/m² per day.
The precision depends on the measured flux:

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

The measurement of very low fluxes (< 0.1 moles/m²/day) is possible but the error will increase due to the low detector sensitivity.



RS485 Connector DB9 Male panel

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

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

LI-820 Specifications

CO₂ Specifications

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

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

Calibration Drift

¹**Zero Drift:** < 0.15 ppm / °C

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

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

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

¹ Zero drift is the change with temperature at 0 concentration

² Span drift is the change after re-zeroing following a temperature change

³ Total drift is the change with temperature without re-zeroing or re-spanning

Measurement Principle: Non-Dispersive Infrared

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

Pressure Compensation Range: 15 kPa-115 kPa

Maximum Gas Flow Rate: 1 liter/minute

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

DAC Resolution: 14-bits across user-specified range

Source Life: 18000 hours

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

Supply Operating Range: 12-30 VDC

Operating Temperature Range: -20 to 45 °C

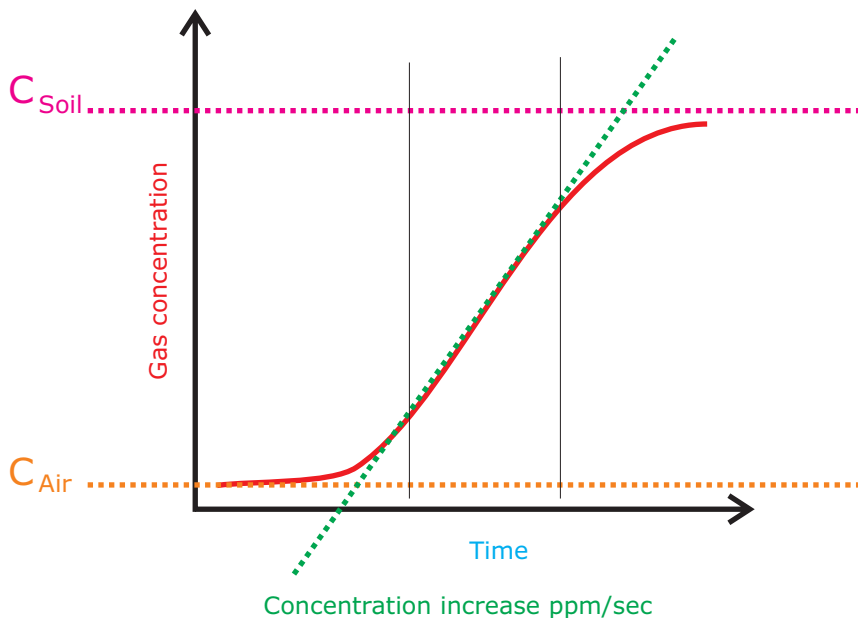
Relative Humidity Range: 0 to 95% RH, Non-Condensing

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

Weight: 2.2 lbs (1 kg)

Quantifying the flux

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



There are two methods to carry out the field work, in both cases for each measurement you have to record the type of accumulation chamber used, the barometric pressure, and the air temperature.

The variation of few mBar of the pressure and or few degrees of temperature do not affect the evaluation of flux very much, then you can use a mean value for both parameters. Of course that depends on the accuracy you want to reach for the evaluation of flux.

The instrument measures the barometric pressure, using the embedded pressure sensor of the LICOR, with a good accuracy. A platinum Pt100 or a thermo-couple thermometer can be used to measure the air temperature as well as the soil temperature.

Choosing the flux measurement unit

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



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

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

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

Please see next page.

Quantifying the flux

Method 1: Measuring the slope

Set the Accumulation Chamber factor to 1 in order to have the flux measurement expressed in the slope unit "ppm/sec" and translate it in the desired unit with a post processing.

Using this method you can focus only on the accumulation chamber interfacing with the soil, the flux curve shape and the other aspects of the measurement, putting off choosing the correct accumulation chamber factor.

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

To get the results directly in moles/sm/day you have to set the Accumulation Chamber factor to the correct value, taking it from the tables.

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

The accumulation chamber factors

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

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

Where

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

The dimensions of the A.c.K. are

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

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

An example:

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

From the table B get the value that correspond to the barometric pressure and temperature. In this case I get the value computed for 25°C and 1013 mBar : 0.696.

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

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

Ordering Information

Battery Chargers

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

Battery Packs

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

Sensors

Part No.	Description
813693	Combustible Gas
480566	O ₂
812389	CO
812390	H ₂ S

Protective Boots

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

Sampling Equipment

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

Sampling Accessories

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

Calibration Check Equipment

Part No.	Description
477149	Calibration Kit Model RP with 0.25 lpm Regulator
491041	Calibration Gas - methane, 2.5%
473180	Calibration Gas - 300 ppm CO
813718	Calibration Gas - methane, 2.5% oxygen, 15% 60 ppm CO
813720	Calibration Gas - methane, 2.5% oxygen, 15% 300 ppm CO 10 ppm H ₂ S
710288	Gasmiser™ Demand Regulator 0 - 3.0 lpm

Accessories

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

Approvals

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

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

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

Gasport Gas Tester Kits

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

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

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

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

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

Offices and representatives worldwide
For further information:



GeoXT

The total GPS platform for all your GIS field requirements

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

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

High-accuracy integrated GPS

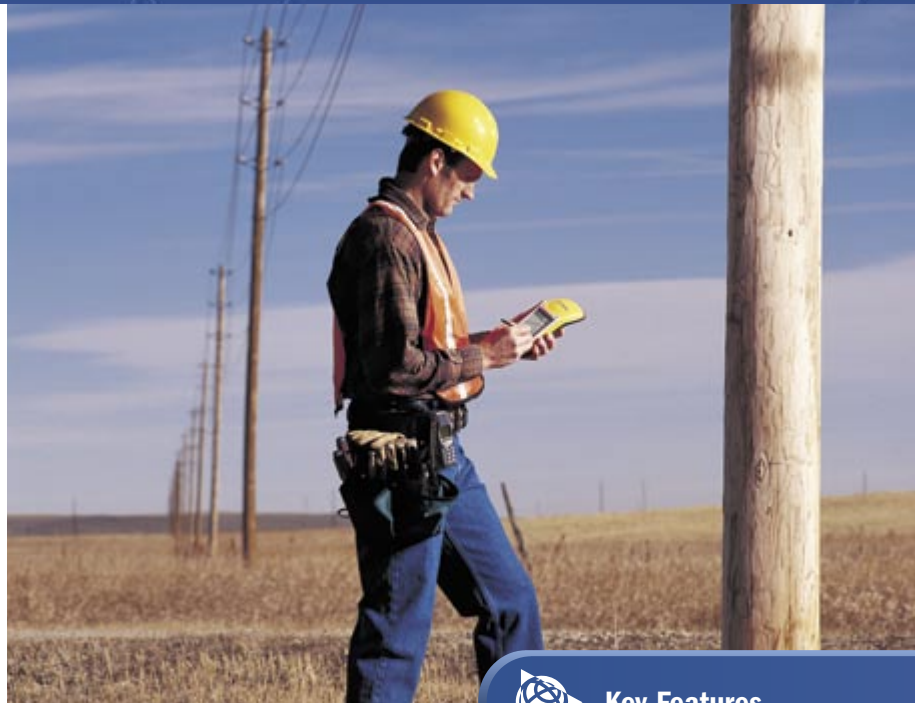
The GeoXT is optimized to provide the reliable, high-accuracy location data you need. Advanced features like EVEREST™ multipath rejection technology let you work under canopy, in urban canyons, or anywhere where accuracy is crucial.

Need submeter accuracy in real-time? Use corrections from a satellite-based augmentation system (SBAS) like WAAS¹ or EGNOS². Want to get that extra edge in precision? Collect data with Trimble's TerraSync™ or GPSCorrect™ software, and then postprocess back in the office.

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

Optimized productivity

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



Key Features

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

Mobile lets you choose a software solution to match your workflow.

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

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

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

All the memory you need

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

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

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

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



The total GPS platform for all your GIS field requirements

Standard features

System

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

GPS

- Submeter accuracy
- Integrated WAAS¹/EGNOS²
- RTCM real-time correction support
- NMEA and TSIP protocol support
- EVEREST multipath rejection technology

Software

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

Accessories

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

Optional Features

Software

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

Accessories

- Serial clip for field data and power input
- Vehicle power adaptor³
- Portable power kit³
- Hurricane antenna
- External patch antenna
- Pole-mountable ground plane
- Baseball cap with antenna sleeve
- Beacon-on-a-Belt (BoB[™]) differential correction receiver³
- Hard carry case
- Null modem cable³
- Backpack kit

Technical specifications

Physical

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

Environmental

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

Input/output

Communications	Bluetooth for wireless connectivity USB via support module, serial via optional DE9 serial clip adaptor
----------------	--

Bluetooth

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

Both client and host support	Serial Port, File Transfer (using OBEX)
Client support only	Dial-Up Networking, Lan Access
Host support only	Basic Imaging, Object Push
Display	Advanced outdoor TFT, 240 × 320 pixel, 65,536 colors, with backlight
Audio	Microphone and half duplex speaker, record and playback utilities
Interface	Anti-glare coated touch screen, Soft Input Panel (SIP) virtual keyboard 2 hardware control keys plus 4 programmable permanent touch buttons
Handwriting recognition software, Audio system events, warnings, and notifications	

GPS

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

Accuracy (RMS)⁴ after differential correction

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

¹ WAAS (Wide Area Augmentation System). Available in North America only.

For more information, see <http://gps.faa.gov/programs/index.htm>.

² EGNOS (European Geostationary Navigation Overlay System). Available in Europe only.

For more information, see <http://www.esa.int/export/esaSA/navigation.html>.

³ Serial clip also required.

⁴ Horizontal accuracy. Requires data to be collected with minimum of 4 satellites, maximum PDOP of 6, minimum SNR of 4, minimum elevation of 15 degrees, and reasonable multipath conditions. Ionospheric conditions, multipath signals or obstruction of the sky by buildings or heavy tree canopy may degrade precision by interfering with signal reception. Accuracy varies with proximity to base station by +1 ppm for postprocessing and real-time, and by +5 ppm for carrier postprocessing.

⁵ Postprocessing with GPS Pathfinder Office software or GPS Analyst extension for ArcGIS.

⁶ Requires collection of carrier data. (Only available with the GPS Pathfinder Office software).

Specifications subject to change without notice.

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www.trimble.com

YOUR LOCAL TRIMBLE OFFICE OR REPRESENTATIVE

ULTRAMETER II™



**MYRON L
COMPANY**

Water Quality Instrumentation
Accuracy • Reliability • Simplicity

ULTRAMETER II™

Advanced Design • Superior Performance



pH/ORP Sensor protective cap

Four-digit display for full 9999 readings, with autoranging capability up to 200 mS/200 ppt

Powerful microprocessor based surface-mount circuitry

Display prompts for simple pH calibration

Memory for 100 readings with Date & Time Stamp

Real Time Clock

Factory calibrations stored in microprocessor



Conductivity

Resistivity

TDS

Temperature

pH

ORP



ULTRA-FAST ULTRA-EASY ULTRA-POWERFUL

Since 1957, the Myron L Company has designed and manufactured highly reliable analytical instruments for a wide variety of applications. Thousands of professionals around the world rely every day on the performance of our instruments. Demanding uses range from boiler water testing to ultrapure water control to medical instruments for artificial kidney machines.

We are proud of the trust our handheld instruments and monitor/controllers have earned in the past. Our product line has evolved to a new level of outstanding performance and value in analytical instruments: the Ultrameter II series. While priced like affordable single-parameter instruments, the Ultrameter II does the job of three, four or even six instruments.

Accuracy You Can Trust

Both Ultrameter II models deliver performance of $\pm 1\%$ of reading (not merely full scale). This high level of accuracy has been achieved through advanced four-electrode conductivity cell technology, a unique pH/ORP sensor and powerful microprocessor-based circuitry. With displayed values of up to 9999, the full four-digit LCD ensures resolution levels never before possible in such affordable instruments. Factory calibrated with NIST traceable solutions, each Ultrameter II may be supplied with both certification of traceability and NIST traceable solutions for definitive calibration.

Fast and accurate in the laboratory, both Ultrameter II models are rugged enough for daily in-line controller checks in hostile process applications.

Innovative Engineering

The Ultrameter II is a prime example of how high-tech engineering can greatly simplify and streamline a task. Whether in the lab, industrial plant, or in a remote field location, merely:

1. Fill the cell cup
2. Push a parameter key
3. Take the reading

Temperature compensation and range selection are both rapid and automatic. The Ultrameter II is a true one-hand operation instrument.

Easy to Calibrate

All calibrations are quickly accomplished by pressing the or keys to agree with our NIST traceable Standard Solution. When calibration is necessary, display prompts simplify pH calibration and make sure the correct buffer is being used. Plus, all parameters (excluding factory-set temperature) have an internal electronic setting that can be used for field calibration and as a check on pH/ORP sensor life.

Advanced Features

- Fully automatic temperature compensation
- User adjustable temperature compensation (up to $9.99\%/^{\circ}\text{C}$) which also allows TC to be disabled for applications requiring non-compensated readings.
- User adjustable conductivity/TDS conversion ratio for greater accuracy when measuring solutions not contained in the microprocessor.
- Auto-shutoff maximizes the life of the single 9V battery to more than 100 hours/5000 tests.
- Non-volatile microprocessor provides data back-up, even when the battery is changed. This assures all calibrations and memory data will be retained.
- Extended life pH/ORP sensor is user replaceable in the field.

High Performance at a Low Cost

Beyond their affordable purchase price, Ultra-Fast, Ultra-Easy, Ultra-Powerful Ultrameter II's save both time and money. Measure for measure, Ultrameter II's give you a better return on your investment than any other handheld instrument. To see for yourself, contact your distributor or the Myron L Company today.

Multiple Applications

Irrigation Water

Hydroponics

Laboratories

Homeland Security

Reverse Osmosis

Deionization

Wastewater

Cooling Towers

Environmental

Desalination

Fountain Solutions

BENEFITS DESIGNED TO SAVE YOU TIME & MONEY



Built-in IR Port allows you to conveniently download your data to a computer.

(Requires Myron L uDock™ Accessory Package)

Ample memory provides increased flexibility to record and store 100 separate readings.

Real Time Clock with Date & Time Stamp allows you to maintain the integrity of each individual reading.

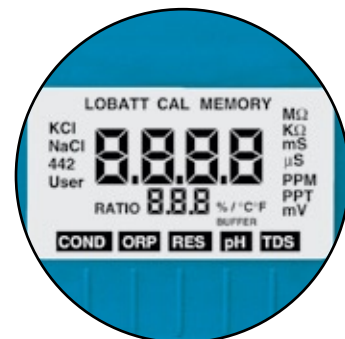
The advanced four-electrode cell for conductivity/resistivity/TDS eliminates polarization, allowing greater accuracy and stability with minimal maintenance.

The pH/ORP sensor chamber provides protection to a unique porous liquid-junction.

The large capacity KCl reservoir guarantees extended life.

A custom LCD helps simplify calibration and operation by using annunciators and prompts to indicate various conditions.

IP67/NEMA 6 rated Ultrameter II's are waterproof and buoyant and can be fully immersed to 3 feet/1 meter.



Features

Ultrameter II™ Models	4PII	6PII
	Conductivity TDS, Resistivity Temperature	Conductivity, TDS Resistivity, pH ORP, Temperature
Autoranging	•	•
Adjustable Temp. Compensation	•	•
Adjustable Cond/TDS ratio	•	•
Memory (100 readings)	•	•
Date & Time Stamp	•	•
pH Calibration Prompts	•	•
Low battery indicator	•	•
Auto-off	•	•

Parameters

	Conductivity	TDS	Resistivity	pH	ORP	Temperature
Ranges	0–9999 µS/cm 10–200 mS/cm in 5 autoranges	0–9999 ppm 10–200 ppt in 5 autoranges	10 KΩ–30 MΩ	0–14 pH	±999 mV	0–71°C 32–160°F
Resolution	0.01(<100 µS) 0.1(<1000 µS) 1.0(<10 mS) 0.01(<100 mS) 0.1(<200 mS)	0.01(<100 ppm) 0.1(<1000 ppm) 1.0(<10 ppt) 0.01(<100 ppt) 0.1(<200 ppt)	0.01(<100 KΩ) 0.1(<1000 KΩ) 0.1(>1 MΩ)	±0.01 pH	±1 mV	0.1°C/F
Accuracy	±1% of reading	±1% of reading	±1% of reading	±0.01 pH	±1 mV	±0.1°C
Auto Temperature Compensation	0–71°C 32–160°F	0–71°C 32–160°F	0–71°C 32–160°F	0–71°C 32–160°F	—	—
Adjustable Temperature Compensation to 25°C	0–9.99%/°C	0–9.99%/°C	0–9.99%/°C	—	—	—
Conductivity/TDS Ratios Preprogrammed	KCl, 442*, NaCl	KCl, 442*, NaCl	—	—	—	—
Adjustable Conductivity/TDS Ratio Factor	0.20–7.99	0.20–7.99	—	—	—	—

*442 Natural Water Standard™ Myron L Company

Accessories

uDock™ Accessory Package includes uDock™, USB cable and Macintosh/PC application software for downloading data. MODEL: U2CIP

Certificates confirming the NIST traceability of an Ultrameter II are available (must be specified when placing instrument order). MODEL: MC

Conductivity Standard Solutions are necessary to maintain accuracy and for periodic calibration of conductivity/TDS parameters. All Standard Solutions are NIST traceable for your complete confidence. RECOMMENDED VALUES: KCl-7000 (7 mS), 442-3000 (TDS), or NaCl-14.0 (mS) available in 2 oz/59 ml, 1 qt/1 L, and 1 gal/3,8 L.

pH Buffers are necessary to maintain accuracy and for periodic calibration of pH and ORP parameters. Calibration with pH 7 Buffer is especially important. All pH 4, 7, and 10 Buffers are NIST traceable and are available in 2 oz/59 ml, 1 qt/1 L, and 1 gal/3,8 L.

pH Sensor Storage Solution Available in 2 oz/59 ml, 1 qt/1 L, and 1 gal/3,8 L.

MODEL: SS20Z, SSQ and SSG

Certificate of NIST traceability for pH Buffer or Conductivity Standard Solutions are available (must be specified when placing solution order). MODEL: SC

Hard protective case (small)

MODEL: UPP

Specifications

Display	4 Digit Liquid Crystal Display
Dimensions LxWxH	196 x 68 x 64 mm/ 7.7 x 2.7 x 2.5 inches
Weight	352 g/12.4 oz.
Case/conductivity cell material	VALOX*
Cell capacities	pH/ORP: 1,2 ml/0.04 oz. Cond/TDS/Res: 5 ml/0.2 oz.
Power	9V alkaline battery
Battery life	>100 hours (5000 readings)
Operating/storage temperature	0 – 55°C/32 – 132°F
Protection ratings	IP67/NEMA 6 Waterproof to 1 meter/3 feet

*™GENERAL ELECTRIC

Accessories

uDock™ Accessory Package includes uDock™, USB cable and Macintosh/PC application software for downloading data. MODEL: U2CIP

Certificates confirming the NIST traceability of an Ultrameter II are available (must be specified when placing instrument order). MODEL: MC

Conductivity Standard Solutions are necessary to maintain accuracy and for periodic calibration of conductivity/TDS parameters. All Standard Solutions are NIST traceable for your complete confidence. RECOMMENDED VALUES: KCl-7000 (7 mS), 442-3000 (TDS), or NaCl-14.0 (mS) available in 2 oz/59 ml, 1 qt/1 L, and 1 gal/3,8 L.

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pH Sensor Storage Solution Available in 2 oz/59 ml, 1 qt/1 L, and 1 gal/3,8 L.

MODEL: SS20Z, SSQ and SSG

Certificate of NIST traceability for pH Buffer or Conductivity Standard Solutions are available (must be specified when placing solution order). MODEL: SC

Hard protective case (small)

MODEL: UPP

Hard protective case (kit) with three buffers (pH 4, 7, and 10), one pH/ORP storage solution, and two standard solutions, (KCl-7000 and 442-3000). All bottles are 2 oz/59 ml. MODEL: PKU

Soft protective case is constructed of padded Nylon and features a belt clip for hands-free mobility.

MODEL: UCC (Blue)

UCCDT (Desert Tan)

Replacement pH/ORP sensor

user-replaceable, features a unique/porous liquid-junction.

MODEL: RPR



Built on Trust

Founded in 1957, Myron L Company is one of the world's leading manufacturers of water quality instruments. Because of our policy of continuous product improvement, changes in design and the specifications in this brochure are possible. You have our assurance any changes will be guided by our product philosophy: Accuracy, Reliability, Simplicity.

Limited Warranty

All Myron L Ultrameter II's have a Two (2) Year Limited Warranty. The pH/ORP sensors have a Six (6) Month Limited Warranty. Warranty is limited to the repair or replacement of the Ultrameter II only, at our discretion. Myron L Company assumes no other responsibility or liability.

**MYRON L
COMPANY**
Water Quality Instrumentation
Accuracy • Reliability • Simplicity

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Tel: +1-760-438-2021
Fax: +1-800-869-7668 / +1-760-931-9189

www.myronl.com



APPENDIX B
FLUX DATA



Site Point Identification	Northing	Easting	Date	CH ₄ Flux	H ₂ S Flux	CO ₂ Flux	Pressure	Temperature	Date & Time of	CH4 Slope	H2S Slope	CO2 Slope	AcK Factor	Location
								(Deg C)	Measurement					
bc081508_01	1,209,796.744	2,304,599.065	2/21/2008	0.01633	0.0007	0.5256	798.85	28.7841	21-02-2008 23:42:41	0.066	0.003	2.124	0.2475	BASIN CREEK
bc081508_02	1,209,797.141	2,304,397.936	2/21/2008	0.19277	0.0034	0.1795	798.85	30.3422	21-02-2008 23:47:44	0.783	0.014	0.729	0.2462	BASIN CREEK
bc081508_03	1,210,001.978	2,304,407.554	2/21/2008	0.08582	0.0056	0.1091	799.12	31.6748	21-02-2008 23:52:24	0.350	0.023	0.445	0.2452	BASIN CREEK
bc081508_04	1,210,194.368	2,304,206.342	2/21/2008	0.19476	0.0073	2.0389	798.71	32.9401	21-02-2008 23:57:46	0.798	0.030	8.354	0.2441	BASIN CREEK
bc081508_05	1,210,204.068	2,304,139.729	2/21/2008	0.79049	0.0000	1.7253	799.25	34.0016	21-02-2008 00:03:20	3.248	-0.003	7.089	0.2434	BASIN CREEK
bc081508_06	1,210,196.889	2,303,996.291	2/21/2008	0.16205	0.0039	0.3260	799.25	34.9995	21-02-2008 00:07:55	0.668	0.016	1.344	0.2426	BASIN CREEK
bc081508_07	1,210,202.074	2,303,798.907	2/21/2008	0.02656	0.0010	0.0478	798.18	35.9945	21-02-2008 00:12:34	0.110	0.004	0.198	0.2415	BASIN CREEK
bc081508_08	1,210,197.942	2,303,598.908	2/21/2008	0.07512	0.0014	0.0592	798.04	36.8437	21-02-2008 00:17:18	0.312	0.006	0.246	0.2408	BASIN CREEK
bc081508_09	1,210,193.164	2,303,393.751	2/21/2008	0.00000	0.0005	0.0531	798.58	37.4396	21-02-2008 00:21:21	0.000	0.002	0.221	0.2405	BASIN CREEK
bc081508_10	1,209,995.659	2,303,400.988	2/21/2008	0.08320	0.0010	0.0129	797.94	38.1074	21-02-2008 00:26:37	0.347	0.004	0.054	0.2398	BASIN CREEK
bc081508_11	1,209,996.857	2,303,599.774	2/21/2008	0.03886	0.0014	0.6028	799.56	38.598	21-02-2008 00:30:37	0.162	0.006	2.513	0.2399	BASIN CREEK
bc081508_12	1,209,996.399	2,303,796.988	2/21/2008	0.08100	0.0041	0.1840	799.83	39.0129	21-02-2008 00:35:09	0.338	0.017	0.768	0.2396	BASIN CREEK
bc081508_13	1,209,996.359	2,303,997.679	2/21/2008	0.34667	0.0079	0.3977	798.61	39.3512	21-02-2008 00:39:31	1.442	0.033	1.664	0.2390	BASIN CREEK
bc081508_14	1,210,002.256	2,304,204.649	2/21/2008	0.00000	0.0017	0.0282	798.61	39.5761	21-02-2008 00:43:14	0.000	0.007	0.118	0.2388	BASIN CREEK
bc081508_15	1,209,996.298	2,304,596.917	2/21/2008	0.03912	0.0057	0.2433	798.34	39.8516	21-02-2008 00:49:38	0.164	0.024	1.020	0.2386	BASIN CREEK
bc081508_16	1,209,999.204	2,304,792.525	2/21/2008	0.11025	0.0077	0.2664	804.54	40.1205	21-02-2008 00:54:33	0.459	0.032	1.109	0.2402	BASIN CREEK
bc081508_17	1,210,198.356	2,304,391.831	2/21/2008	0.03128	0.0026	0.3997	807.24	40.6313	21-02-2008 01:03:06	0.130	0.011	1.661	0.2406	BASIN CREEK
bc081508_18	1,210,226.328	2,304,194.020	2/21/2008	10.19550	0.0038	4.7424	798.21	40.9553	21-02-2008 01:08:13	42.896	0.016	19.953	0.2377	BASIN CREEK
bc081508_19	1,209,595.776	2,304,402.841	8/15/2008	0.00000	0.0017	0.1322	797.9	41.3	15-08-2008 12:35:29	0.000	0.007	0.557	0.2373	BASIN CREEK
bc081508_20	1,209,592.371	2,304,598.164	8/15/2008	0.00000	0.0012	0.0762	797.9	41.3	15-08-2008 12:41:44	0.000	0.005	0.321	0.2373	BASIN CREEK
bc081508_21	1,209,595.992	2,304,205.701	8/15/2008	0.17634	0.0012	0.1716	799.0	41.3	15-08-2008 12:48:28	0.742	0.005	0.722	0.2377	BASIN CREEK
bc081508_22	1,209,794.719	2,304,197.660	8/15/2008	0.00000	0.0017	0.3888	797.2	39.1	15-08-2008 13:02:57	0.000	0.007	1.628	0.2388	BASIN CREEK
bc081508_23	1,209,804.593	2,304,000.532	8/15/2008	0.00000	0.0014	0.0717	798.1	39.3	15-08-2008 13:08:31	0.000	0.006	0.300	0.2389	BASIN CREEK
bc081508_24	1,209,805.642	2,303,803.529	8/15/2008	0.05445	0.0041	0.3109	798.8	39.7	15-08-2008 13:15:40	0.228	0.017	1.302	0.2388	BASIN CREEK
bc081508_25	1,209,795.159	2,303,599.777	8/15/2008	0.02648	0.0048	0.2782	799.1	40.1	15-08-2008 13:23:17	0.111	0.020	1.166	0.2386	BASIN CREEK
bc081508_26	1,209,794.094	2,303,397.062	8/15/2008	0.00000	0.0014	0.0000	797.9	40.6	15-08-2008 13:31:15	0.000	0.006	-0.055	0.2379	BASIN CREEK
bc081508_27	1,209,798.246	2,303,199.685	8/15/2008	0.00000	0.0019	0.0269	800.2	41.0	15-08-2008 13:39:23	0.000	0.008	0.113	0.2382	BASIN CREEK
bc081508_28	1,210,193.610	2,304,606.416	8/15/2008	0.05176	0.0064	0.2515	798.8	41.5	15-08-2008 13:58:34	0.218	0.027	1.059	0.2374	BASIN CREEK
bc081508_29	1,210,200.577	2,304,804.139	8/15/2008	0.12742	0.0019	0.0969	796.3	41.9	15-08-2008 14:07:36	0.539	0.008	0.410	0.2364	BASIN CREEK
bc081508_30	1,210,394.915	2,305,003.659	8/15/2008	0.00637	0.0014	0.0208	795.4	42.3	15-08-2008 14:15:04	0.027	0.006	0.088	0.2358	BASIN CREEK
bc081508_31	1,210,396.412	2,304,796.633	8/15/2008	0.00000	0.0019	0.0968	794.7	42.6	15-08-2008 14:20:02	0.000	0.008	0.411	0.2354	BASIN CREEK
bc081508_32	1,210,404.175	2,304,598.272	8/15/2008	0.01981	0.0021	0.1056	797.0	43.0	15-08-2008 14:25:12	0.084	0.009	0.448	0.2358	BASIN CREEK
bc081508_33	1,210,396.290	2,304,394.592	8/15/2008	0.00047	0.0019	0.4485	795.5	43.2	15-08-2008 14:30:50	0.002	0.008	1.907	0.2352	BASIN CREEK
bc081508_34	1,210,393.838	2,304,206.533	8/15/2008	0.01789	0.0019	0.1874	796.6	43.4	15-08-2008 14:36:14	0.076	0.008	0.796	0.2354	BASIN CREEK
bc081508_35	1,210,400.868	2,304,002.918	8/15/2008	0.00047	0.0021	0.2086	796.9	43.5	15-08-2008 14:41:00	0.002	0.009	0.886	0.2354	BASIN CREEK
bc081508_36	1,210,404.551	2,303,803.325	8/15/2008	0.05216	0.0063	0.0632	795.5	43.5	15-08-2008 14:47:14	0.222	0.027	0.269	0.2350	BASIN CREEK
bc082508_01	1,210,581.659	2,305,005.527	8/25/2008	0.00000	0.0000	0.2716	799.1	26.8	25-08-2008 09:52:23	0.000	-0.001	1.090	0.2492	BASIN CREEK
bc082508_02	1,210,599.205	2,304,801.266	8/25/2008	0.00644	0.0000	0.1666	796.8	27.9	25-08-2008 09:58:43	0.026	0.000	0.673	0.2475	BASIN CREEK
bc082508_03	1,210,588.301	2,304,596.831	8/25/2008	0.00099	0.0000	0.2766	799.5	28.8	25-08-2008 10:04:36	0.004	0.000	1.117	0.2476	BASIN CREEK
bc082508_04	1,210,593.646	2,304,395.981	8/25/2008	0.06300	0.0002	0.1925	797.7	29.6	25-08-2008 10:10:27	0.255	0.001	0.779	0.2471	BASIN CREEK
bc082508_05	1,210,596.603	2,304,186.612	8/25/2008	0.00000	0.0007	0.1474	800.2	30.4	25-08-2008 10:15:59	0.000	0.003	0.598	0.2466	BASIN CREEK
bc082508_06	1,210,598.312	2,303,986.541	8/25/2008	0.00369	0.0002	0.2341	799.5	31.2	25-08-2008 10:21:32	0.015	0.001	0.953	0.2457	BASIN CREEK
bc082508_07	1,210,596.910	2,303,803.001	8/25/2008	0.05644	0.0015	0.2060	797.6	32.2	25-08-2008 10:29:43	0.231	0.006	0.843	0.2443	BASIN CREEK
bc082508_08	1,210,599.241	2,303,600.300	8/25/2008	0.16629	0.0019	0.1614	796.8	33.4	25-08-2008 10:37:10	0.684	0.008	0.664	0.2431	BASIN CREEK
bc082508_09	1,210,790.847	2,303,396.905	8/25/2008	0.02187	0.0012	0.2049	798.7	34.2	25-08-2008 10:43:56	0.090	0.005	0.843	0.2431	BASIN CREEK
bc082508_10	1,210,801.536	2,303,602.454	8/25/2008	0.03984	0.0024	0.4494	795.6	35.0	25-08-2008 10:50:26	0.165	0.010	1.861	0.2415	BASIN CREEK
bc082508_11	1,210,794.194	2,303,791.243	8/25/2008	0.00000	0.0014	0.1993	796.0	35.8	25-08-2008 10:57:04	0.000	0.006	0.827	0.2410	BASIN CREEK
bc082508_12	1,210,803.897	2,303,996.631	8/25/2008	0.00505	0.0012	0.0746	796.5	36.4	25-08-2008 11:02:04	0.021	0.005	0.310	0.2407	BASIN CREEK
bc082508_13	1,210,793.545	2,304,194.679	8/25/2008	0.05883	0.0034	0.4065	796.8	37.2	25-08-2008 11:12:12	0.245	0.014	1.693	0.2401	BASIN CREEK
bc082508_14	1,210,801.432	2,304,396.207	8/25/2008	0.00000	0.0014	0.2570	797.4	38.8	25-08-2008 11:23:28	0.000	0.006	1.075	0.2391	BASIN CREEK
bc082508_15	1,210,797.447	2,304,592.491	8/25/2008	0.00812	0.0012	0.0430	800.2	40.1	25-08-2008 11:44:10	0.034	0.005	0.180	0.2389	BASIN CREEK
bc082508_16	1,210,793.617	2,304,792.594	8/25/2008	0.03380	0.0038	0.2750	797.8	40.3	25-08-2008 11:50:17	0.142	0.016	1.155	0.2381	BASIN CREEK
bc082508_17	1,210,788.912	2,304,996.611	8/25/2008	0.00000	0.0028	0.2945	796.3	40.7	25-08-2008 11:56:37	0.000	0.012	1.241	0.2373	BASIN CREEK
bc082508_18	1,211,013.070	2,305,010.301	8/25/2008	0.02796	0.0033	0.1398	796.0	41.0	25-08-2008 12:02:29	0.118	0.014	0.590	0.2370	BASIN CREEK
bc082508_19	1,211,003.332	2,304,805.887	8/25/2008	0.00425	0.0033	0.1288	794.2	41.2	25-08-2008 12:07:30	0.018	0.014	0.545	0.2363	BASIN CREEK

bc082508_20	1,210,996.998	2,304,605.451	8/25/2008	0.07572	0.0012	0.3503	793.8	41.6	25-08-2008 12:15:52	0.321	0.005	1.485	0.2359	BASIN CREEK
bc082508_21	1,211,006.147	2,304,395.167	8/25/2008	0.12593	0.0028	0.4372	795.1	42.2	25-08-2008 12:25:43	0.534	0.012	1.854	0.2358	BASIN CREEK
bc082508_22	1,211,008.897	2,304,195.834	8/25/2008	0.01228	0.0007	0.1058	797.8	42.8	25-08-2008 12:36:55	0.052	0.003	0.448	0.2362	BASIN CREEK
bc082508_23	1,211,005.700	2,304,004.883	8/25/2008	0.00000	0.0009	0.0240	793.9	43.0	25-08-2008 12:45:15	0.000	0.004	0.102	0.2349	BASIN CREEK
bc082508_24	1,211,005.419	2,303,807.301	8/25/2008	0.04552	0.0012	0.0150	793.9	43.3	25-08-2008 12:53:32	0.194	0.005	0.064	0.2346	BASIN CREEK
bc082508_25	1,211,007.707	2,303,606.790	8/25/2008	0.00588	0.0009	0.0000	791.9	42.0	25-08-2008 14:27:34	0.025	0.004	-0.012	0.2350	BASIN CREEK
bc082508_26	1,210,999.924	2,303,406.216	8/25/2008	0.01781	0.0019	0.0000	790.4	42.4	25-08-2008 14:36:21	0.076	0.008	-0.032	0.2343	BASIN CREEK
bc082508_27	1,211,197.149	2,303,413.188	8/25/2008	0.13509	0.0009	0.0056	790.5	43.2	25-08-2008 14:46:25	0.578	0.004	0.024	0.2337	BASIN CREEK
bc082508_28	1,211,397.530	2,303,403.677	8/25/2008	0.08015	0.0009	0.0000	787.8	44.0	25-08-2008 14:55:18	0.345	0.004	-1.047	0.2323	BASIN CREEK
bc082508_29	1,211,398.573	2,303,604.147	8/25/2008	0.19800	0.0012	0.0056	787.8	45.4	25-08-2008 15:07:35	0.856	0.005	0.024	0.2313	BASIN CREEK
bc082508_30	1,211,202.079	2,303,590.878	8/25/2008	0.14658	0.0021	0.0035	790.9	46.3	25-08-2008 15:15:02	0.633	0.009	0.015	0.2316	BASIN CREEK
bc082508_31	1,211,198.898	2,303,808.183	8/25/2008	0.00000	0.0021	0.0261	790.7	46.5	25-08-2008 15:19:43	-0.068	0.009	0.113	0.2314	BASIN CREEK
bc082508_32	1,211,392.464	2,305,191.265	8/26/2008	0.00000	0.0012	0.0562	788.9	34.3	26-08-2008 11:24:58	0.000	0.005	0.234	0.2400	BASIN CREEK
bc082508_33	1,211,197.582	2,304,997.876	8/26/2008	0.13256	0.0031	0.1405	796.7	34.9	26-08-2008 11:32:12	0.548	0.013	0.581	0.2419	BASIN CREEK
bc082508_34	1,211,197.351	2,304,793.455	8/26/2008	0.01676	0.0053	0.1609	789.8	35.4	26-08-2008 11:37:11	0.070	0.022	0.672	0.2394	BASIN CREEK
bc082508_35	1,211,211.400	2,304,615.756	8/26/2008	0.02413	0.0014	0.0564	790.0	36.1	26-08-2008 11:44:32	0.101	0.006	0.236	0.2389	BASIN CREEK
bc082508_36	1,211,203.950	2,304,417.833	8/26/2008	0.04273	0.0041	0.2853	791.9	37.1	26-08-2008 11:52:40	0.179	0.017	1.195	0.2387	BASIN CREEK
bc082508_37	1,211,197.660	2,304,197.411	8/26/2008	0.02679	0.0019	0.0902	795.0	37.7	26-08-2008 11:58:34	0.112	0.008	0.377	0.2392	BASIN CREEK
bc082508_38	1,211,190.393	2,303,999.072	8/26/2008	0.15575	0.0033	0.0687	796.4	38.2	26-08-2008 12:06:03	0.651	0.014	0.287	0.2392	BASIN CREEK
bc082508_39	1,211,404.193	2,303,993.722	8/26/2008	0.00000	0.0010	0.0236	796.5	38.7	26-08-2008 12:13:53	0.000	0.004	0.099	0.2389	BASIN CREEK
bc082508_40	1,211,390.925	2,304,195.765	8/26/2008	0.06258	0.0050	0.1763	794.4	39.1	26-08-2008 12:21:59	0.263	0.021	0.741	0.2380	BASIN CREEK
bc082508_41	1,211,393.771	2,304,392.620	8/26/2008	0.00000	0.0010	0.0456	794.4	39.5	26-08-2008 12:28:07	0.000	0.004	0.192	0.2376	BASIN CREEK
bc082508_42	1,211,398.086	2,304,592.526	8/26/2008	0.03848	0.0012	0.2136	795.1	39.9	26-08-2008 12:37:16	0.162	0.005	0.899	0.2376	BASIN CREEK
bc082508_43	1,211,395.217	2,304,807.050	8/26/2008	0.01865	0.0007	0.1284	790.2	39.9	26-08-2008 12:45:47	0.079	0.003	0.544	0.2361	BASIN CREEK
bc082508_44	1,211,398.939	2,305,014.417	8/26/2008	0.00165	0.0007	0.0464	788.0	39.8	26-08-2008 12:50:47	0.007	0.003	0.197	0.2355	BASIN CREEK
bc082508_45	1,211,599.286	2,304,997.072	8/26/2008	0.00921	0.0012	0.0874	788.5	39.2	26-08-2008 13:09:12	0.039	0.005	0.370	0.2361	BASIN CREEK
bc082508_46	1,211,601.737	2,304,802.460	8/26/2008	0.00165	0.0014	0.1648	788.5	39.6	26-08-2008 13:14:38	0.007	0.006	0.699	0.2358	BASIN CREEK
bc082508_47	1,211,592.209	2,304,599.279	8/26/2008	0.00000	0.0012	0.0581	786.8	39.8	26-08-2008 13:20:54	0.000	0.005	0.247	0.2351	BASIN CREEK
bc082508_48	1,211,609.132	2,304,402.702	8/26/2008	0.01272	0.0040	0.0815	788.6	40.0	26-08-2008 13:27:21	0.054	0.017	0.346	0.2355	BASIN CREEK
bc082508_49	1,211,600.480	2,304,180.642	8/26/2008	0.00000	0.0007	0.0000	791.3	40.0	26-08-2008 13:34:02	0.000	0.003	-1.210	0.2363	BASIN CREEK
bc082508_50	1,211,596.750	2,303,998.964	8/26/2008	0.02923	0.0038	0.0000	789.2	40.0	26-08-2008 13:38:57	0.124	0.016	-0.009	0.2357	BASIN CREEK
bc082508_51	1,211,800.431	2,303,986.978	8/26/2008	0.00000	0.0007	0.0644	789.3	40.0	26-08-2008 13:44:53	0.000	0.003	0.273	0.2357	BASIN CREEK
bc082508_52	1,211,802.477	2,304,201.182	8/26/2008	0.00000	0.0012	0.0445	789.9	40.5	26-08-2008 14:15:36	0.000	0.005	0.189	0.2355	BASIN CREEK
bc082508_53	1,211,800.047	2,304,398.383	8/26/2008	0.04623	0.0038	0.1875	787.0	40.5	26-08-2008 14:20:14	0.197	0.016	0.799	0.2347	BASIN CREEK
bc082508_54	1,211,799.986	2,304,608.932	8/26/2008	0.00000	0.0009	0.0000	787.8	40.4	26-08-2008 14:27:54	0.000	0.004	-0.081	0.2350	BASIN CREEK
bc082508_55	1,211,804.488	2,304,798.327	8/26/2008	0.00000	0.0028	0.4706	785.5	40.3	26-08-2008 14:33:02	0.000	0.012	2.008	0.2344	BASIN CREEK
bc082508_56	1,211,795.435	2,304,994.273	8/26/2008	0.00000	0.0014	0.1527	784.6	40.2	26-08-2008 14:38:46	0.000	0.006	0.652	0.2342	BASIN CREEK
bc092308_01	1,209,598.831	2,304,006.389	9/23/2008	0.00000	0.0007	0.1093	803.8	29.5	23-09-2008 12:28:44	0.000	0.003	0.440	0.2484	BASIN CREEK
bc092308_02	1,209,590.924	2,303,799.094	9/23/2008	0.08100	0.0032	0.1292	804.1	31.4	23-09-2008 12:35:42	0.328	0.013	0.523	0.2469	BASIN CREEK
bc092308_03	1,209,600.510	2,303,605.355	9/23/2008	0.29055	0.0066	0.2044	803.0	32.9	23-09-2008 12:43:58	1.184	0.027	0.833	0.2454	BASIN CREEK
bc092308_04	1,209,590.417	2,303,396.923	9/23/2008	6.18095	0.0027	0.1837	802.2	34.0	23-09-2008 12:52:30	25.303	0.011	0.752	0.2443	BASIN CREEK
bc092308_05	1,209,596.317	2,303,206.829	9/23/2008	0.00000	0.0024	0.0806	801.0	34.7	23-09-2008 13:01:55	-0.003	0.010	0.331	0.2434	BASIN CREEK
bc092308_07	1,209,577.615	2,302,803.122	9/24/2008	0.00026	0.0018	0.1136	802.0	18.8	24-09-2008 08:38:24	0.001	0.007	0.442	0.2569	BASIN CREEK
bc092308_08	1,209,594.206	2,302,609.857	9/24/2008	5.36837	0.0003	1.1854	802.4	19.6	24-09-2008 08:47:18	20.941	0.001	4.624	0.2564	BASIN CREEK
bc092308_09	1,209,400.000	2,302,600.000	9/24/2008	0.00051	0.0003	0.0411	800.4	20.1	24-09-2008 08:51:51	0.002	0.001	0.161	0.2553	BASIN CREEK
bc092308_10	1,209,392.355	2,302,787.280	9/24/2008	0.00000	0.0008	0.1235	800.0	20.6	24-09-2008 08:58:11	0.000	0.003	0.485	0.2547	BASIN CREEK
bc092308_11	1,209,388.988	2,303,016.363	9/24/2008	0.00000	0.0005	0.8133	797.6	21.1	24-09-2008 09:05:34	0.000	0.002	3.208	0.2535	BASIN CREEK
bc092308_12	1,209,406.023	2,303,213.115	9/24/2008	0.00000	0.0008	0.0218	799.3	21.8	24-09-2008 09:13:04	0.000	0.003	0.086	0.2535	BASIN CREEK
bc092308_13	1,209,392.788	2,303,383.338	9/24/2008	0.04739	0.0000	0.1513	801.1	22.5	24-09-2008 09:18:32	0.187	0.000	0.597	0.2534	BASIN CREEK
bc092308_14	1,209,394.653	2,303,606.018	9/24/2008	0.00000	0.0008	0.4848	803.7	23.8	24-09-2008 09:28:47	0.000	0.003	1.915	0.2531	BASIN CREEK
bc092308_15	1,209,383.551	2,303,810.186	9/24/2008	0.00025	0.0008	0.1313	805.0	24.5	24-09-2008 09:35:53	0.001	0.003	0.519	0.2530	BASIN CREEK
bc092308_16	1,209,411.315	2,303,996.679	9/24/2008	0.00000	0.0015	0.3874	805.6	25.0	24-09-2008 09:43:32	0.000	0.006	1.533	0.2527	BASIN CREEK
bc092308_17	1,209,401.979	2,304,211.817	9/24/2008	0.00000	0.0008	0.0760	806.2	25.5	24-09-2008 09:49:40	0.000	0.003	0.301	0.2525	BASIN CREEK
bc092308_18	1,209,406.376	2,304,389.486	9/24/2008	0.00000	0.0000	0.0483	808.0	25.9	24-09-2008 09:54:41	-0.003	0.000	0.191	0.2527	BASIN CREEK
bc092308_19	1,209,209.164	2,303,997.106	9/24/2008	0.00000	0.0003	0.0083	807.7	26.8	24-09-2008 10:07:50	0.000	0.001	0.033	0.2519	BASIN CREEK
bc092308_20	1,209,197.518	2,303,803.307	9/24/2008	0.00000	0.0000	0.9421	804.2	27.3	24-09-2008 10:22:47	0.000	0.000	3.763	0.2503	BASIN CREEK
bc092308_21	1,209,196.087	2,303,600.404	9/24/2008	0.00000	0.0002	0.0646	806.5	29.4	24-09-2008 10:37:40	0.000	0.001	0.259	0.2493	BASIN CREEK

bc092308_22	1,209,200.224	2,303,402.687	9/24/2008	0.00000	0.0007	0.0516	802.2	30.7	24-09-2008 10:45:44	0.000	0.003	0.209	0.2469	BASIN CREEK
bc092308_23	1,209,187.742	2,303,183.695	9/24/2008	0.00000	0.0007	0.0809	803.6	31.5	24-09-2008 10:53:41	0.000	0.003	0.328	0.2467	BASIN CREEK
bc092308_24	1,209,202.402	2,302,999.768	9/24/2008	0.00000	0.0005	1.3366	801.3	32.0	24-09-2008 10:59:02	0.000	0.002	5.442	0.2456	BASIN CREEK
bc092308_25	1,209,181.147	2,302,808.396	9/24/2008	0.86751	0.0005	0.1808	799.1	32.7	24-09-2008 11:05:28	3.550	0.002	0.740	0.2444	BASIN CREEK
bc092308_26	1,209,203.896	2,302,606.530	9/24/2008	0.00000	0.0005	0.0240	796.8	33.9	24-09-2008 11:14:08	0.000	0.002	0.099	0.2427	BASIN CREEK
bc092308_27	1,209,201.828	2,302,405.208	9/24/2008	0.00000	0.0012	0.0124	798.7	34.3	24-09-2008 11:21:46	0.000	0.005	0.051	0.2430	BASIN CREEK
bc092308_28	1,209,597.274	2,302,015.477	9/24/2008	0.00000	0.0002	0.0000	798.3	30.6	24-09-2008 13:12:04	0.000	0.001	-0.169	0.2458	BASIN CREEK
bc092308_29	1,209,384.889	2,301,986.734	9/24/2008	0.00074	0.0012	0.0691	806.8	32.6	24-09-2008 13:20:24	0.003	0.005	0.280	0.2468	BASIN CREEK
bc092308_30	1,209,188.901	2,301,991.571	9/24/2008	0.00000	0.0007	0.0043	793.3	33.9	24-09-2008 13:30:23	0.000	0.003	0.018	0.2416	BASIN CREEK
bc092308_31	1,208,999.569	2,301,993.648	9/24/2008	0.00000	0.0022	0.1060	793.5	34.9	24-09-2008 13:37:57	0.000	0.009	0.440	0.2409	BASIN CREEK
bc092308_32	1,208,794.462	2,301,991.792	9/24/2008	0.00000	0.0019	0.0820	794.7	35.8	24-09-2008 13:45:28	-0.186	0.008	0.341	0.2406	BASIN CREEK
bc092308_33	1,208,597.809	2,302,000.211	9/24/2008	0.01269	0.0022	0.0306	792.8	36.6	24-09-2008 13:53:54	0.053	0.009	0.128	0.2394	BASIN CREEK
bc092308_34	1,208,786.413	2,302,205.334	9/24/2008	0.03048	0.0017	0.0374	790.0	37.1	24-09-2008 14:01:03	0.128	0.007	0.157	0.2382	BASIN CREEK
bc092308_35	1,208,803.214	2,302,388.958	9/24/2008	0.00000	0.0014	0.0057	792.6	37.5	24-09-2008 14:06:49	0.000	0.006	0.024	0.2386	BASIN CREEK
bc092308_36	1,208,989.327	2,303,215.243	9/24/2008	0.00000	0.0014	0.1073	792.4	38.4	24-09-2008 14:23:22	-0.004	0.006	0.451	0.2379	BASIN CREEK
bc092308_37	1,209,013.760	2,303,003.683	9/24/2008	0.00000	0.0012	0.0566	799.6	38.9	24-09-2008 14:30:20	0.000	0.005	0.236	0.2397	BASIN CREEK
bc092308_38	1,208,995.079	2,302,796.729	9/24/2008	0.01837	0.0017	0.0616	797.0	39.3	24-09-2008 14:38:31	0.077	0.007	0.258	0.2386	BASIN CREEK
bc092308_39	1,208,984.917	2,302,596.391	9/24/2008	0.01569	0.0014	0.0231	794.7	39.5	24-09-2008 14:43:49	0.066	0.006	0.097	0.2377	BASIN CREEK
bc092308_40	1,208,990.444	2,302,380.303	9/24/2008	0.00000	0.0021	0.0743	793.9	39.6	24-09-2008 14:50:42	0.000	0.009	0.313	0.2374	BASIN CREEK
bc092308_41	1,208,981.066	2,302,212.386	9/24/2008	0.54238	0.0017	0.1362	795.1	39.6	24-09-2008 14:57:38	2.281	0.007	0.573	0.2378	BASIN CREEK
bc092308_42	1,209,198.260	2,302,195.186	9/24/2008	0.00000	0.0014	0.1762	795.8	39.5	24-09-2008 15:03:29	-0.271	0.006	0.740	0.2381	BASIN CREEK
bc092308_43	1,209,383.949	2,302,182.027	9/24/2008	0.00000	0.0014	0.0596	796.9	39.4	24-09-2008 15:09:56	0.000	0.006	0.250	0.2385	BASIN CREEK
bc092308_44	1,209,400.102	2,301,804.682	9/25/2008	0.82261	0.0003	0.0485	799.2	22.9	25-09-2008 08:17:18	3.258	0.001	0.192	0.2525	BASIN CREEK
bc092308_45	1,209,258.249	2,301,821.164	9/25/2008	6.99473	0.0008	0.10284	798.2	23.2	25-09-2008 08:28:09	27.766	0.003	40.761	0.2519	BASIN CREEK
bc092308_46	1,209,195.337	2,301,797.682	9/25/2008	0.00000	0.0000	0.0000	793.5	23.3	25-09-2008 08:34:35	-0.035	0.000	-0.053	0.2503	BASIN CREEK
bc092308_47	1,208,995.613	2,301,801.995	9/25/2008	0.00000	0.0000	0.0537	792.2	23.4	25-09-2008 08:39:57	0.000	0.000	0.215	0.2499	BASIN CREEK
bc092308_48	1,208,797.826	2,301,808.237	9/25/2008	0.00000	0.0003	0.1283	793.3	23.6	25-09-2008 08:44:07	-0.001	0.001	0.513	0.2500	BASIN CREEK
bc092308_49	1,208,603.418	2,301,801.716	9/25/2008	0.00000	0.0000	0.1652	793.9	24.0	25-09-2008 08:51:40	-0.008	0.000	0.661	0.2499	BASIN CREEK
bc092308_50	1,208,586.817	2,301,597.637	9/25/2008	0.00000	0.0002	0.0495	791.3	24.3	25-09-2008 08:57:44	0.000	0.001	0.199	0.2488	BASIN CREEK
bc092308_51	1,208,600.751	2,301,398.083	9/25/2008	0.00000	0.0000	0.0912	791.4	24.7	25-09-2008 09:03:17	0.000	0.000	0.367	0.2485	BASIN CREEK
bc092308_52	1,208,591.543	2,301,212.431	9/25/2008	0.00000	0.0005	0.0721	790.2	25.1	25-09-2008 09:07:40	0.000	0.002	0.291	0.2478	BASIN CREEK
bc092308_53	1,208,397.697	2,301,008.111	9/25/2008	0.00000	0.0002	0.0521	789.8	26.1	25-09-2008 09:18:01	0.000	0.001	0.211	0.2469	BASIN CREEK
bc092308_54	1,208,401.381	2,300,790.175	9/25/2008	0.01399	0.0005	0.2218	787.0	26.8	25-09-2008 09:24:22	0.057	0.002	0.904	0.2454	BASIN CREEK
bc092308_55	1,208,396.516	2,300,599.485	9/25/2008	0.00000	0.0002	0.0487	786.3	27.4	25-09-2008 09:29:38	0.000	0.001	0.199	0.2447	BASIN CREEK
bc092308_56	1,208,402.662	2,300,400.434	9/25/2008	0.00000	0.0002	0.1816	785.8	27.9	25-09-2008 09:33:53	0.000	0.001	0.744	0.2441	BASIN CREEK
bc092308_57	1,208,403.408	2,300,209.227	9/25/2008	0.00000	0.0002	0.0117	786.0	28.4	25-09-2008 09:39:14	0.000	0.001	0.048	0.2438	BASIN CREEK
bc092308_58	1,208,388.362	2,299,990.919	9/25/2008	0.00000	0.0005	0.0822	784.8	28.8	25-09-2008 09:43:09	0.000	0.002	0.338	0.2431	BASIN CREEK
bc092308_59	1,208,594.886	2,299,800.162	9/25/2008	0.00000	0.0012	0.1878	785.4	30.0	25-09-2008 09:52:39	0.000	0.005	0.775	0.2423	BASIN CREEK
bc092308_60	1,209,595.572	2,303,016.941	9/23/2008	0.42613	0.0017	0.2990	801.4	35.2	23-09-2008 13:11:39	1.753	0.007	1.230	0.2431	BASIN CREEK
bc092308_66	1,208,605.672	2,299,993.350	9/25/2008	0.00024	0.0002	0.2376	787.5	30.7	25-09-2008 10:00:49	0.001	0.001	0.980	0.2424	BASIN CREEK
bc092308_61	1,208,602.980	2,300,203.775	9/25/2008	0.00097	0.0002	0.0552	787.3	30.8	25-09-2008 10:09:10	0.004	0.001	0.228	0.2423	BASIN CREEK
bc092308_62	1,208,600.544	2,300,399.361	9/25/2008	0.00000	0.0002	0.0556	785.9	30.8	25-09-2008 10:13:41	0.000	0.001	0.230	0.2418	BASIN CREEK
bc092308_63	1,208,596.983	2,300,608.368	9/25/2008	0.00000	0.0000	0.1071	785.6	30.9	25-09-2008 10:21:50	-0.002	0.000	0.443	0.2417	BASIN CREEK
bc092308_64	1,208,595.396	2,300,801.426	9/25/2008	0.81060	0.0012	0.4218	787.9	31.4	25-09-2008 10:29:41	3.350	0.005	1.743	0.2420	BASIN CREEK
bc092308_65	1,208,585.998	2,300,998.515	9/25/2008	0.00776	0.0005	0.0900	791.6	32.1	25-09-2008 10:42:53	0.032	0.002	0.371	0.2426	BASIN CREEK
bc092308_66	1,208,786.561	2,300,995.779	9/25/2008	0.16939	0.0007	0.2362	790.0	32.2	25-09-2008 11:00:36	0.700	0.003	0.976	0.2420	BASIN CREEK
bc092308_67	1,208,808.893	2,300,812.361	9/25/2008	0.00000	0.0002	0.2295	794.5	32.2	25-09-2008 11:11:01	0.000	0.001	0.943	0.2434	BASIN CREEK
bc092308_68	1,208,808.454	2,300,607.054	9/25/2008	0.00000	0.0017	0.1214	792.9	32.9	25-09-2008 11:22:23	0.000	0.007	0.501	0.2423	BASIN CREEK
bc092308_69	1,208,797.492	2,300,408.077	9/25/2008	0.00000	0.0019	0.0524	789.3	33.8	25-09-2008 11:32:31	0.000	0.008	0.218	0.2405	BASIN CREEK
bc092308_70	1,208,793.384	2,300,218.235	9/25/2008	0.01795	0.0012	0.1615	786.6	34.3	25-09-2008 11:39:09	0.075	0.005	0.675	0.2393	BASIN CREEK
bc092308_71	1,208,793.234	2,299,987.649	9/25/2008	0.00000	0.0005	0.0395	788.1	34.8	25-09-2008 11:47:28	-0.271	0.002	0.165	0.2394	BASIN CREEK
bc092308_72	1,208,799.343	2,299,803.962	9/25/2008	0.01750	0.0007	0.0249	789.5	34.9	25-09-2008 11:53:54	0.073	0.003	0.104	0.2397	BASIN CREEK
bc092308_73	1,208,988.008	2,300,200.878	9/25/2008	0.00000	0.0014	0.1045	790.2	36.6	25-09-2008 12:31:05	0.000	0.006	0.438	0.2386	BASIN CREEK
bc092308_74	1,209,003.877	2,300,384.424	9/25/2008	1.55073	0.0010	0.5760	791.1	36.8	25-09-2008 12:37:40	6.496	0.004	2.413	0.2387	BASIN CREEK
bc092308_75	1,209,004.470	2,300,591.576	9/25/2008	0.00000	0.0010	0.0567	789.5	37.0	25-09-2008 12:44:29	0.000	0.004	0.238	0.2381	BASIN CREEK
bc092308_76	1,208,991.336	2,300,801.559	9/25/2008	14.49760	0.0007	1.7350	790.1	37.1	25-09-2008 12:50:18	60.866	0.003	7.284	0.2382	BASIN CREEK
bc092308_77	1,208,996.240	2,301,006.013	9/25/2008	0.00000	0.0010	0.1031	793.9	37.3	25-09-2008 12:56:03	0.000	0.004	0.431	0.2392	BASIN CREEK

bc092308_78	1,209,001.233	2,301,200.976	9/25/2008	18.00390	0.0012	0.6351	796.5	37.6	25-09-2008 13:02:20	75.100	0.005	2.649	0.2397	BASIN CREEK
bc092308_79	1,208,806.736	2,301,216.059	9/25/2008	0.67692	0.0007	0.0681	795.2	37.9	25-09-2008 13:11:43	2.831	0.003	0.285	0.2391	BASIN CREEK
bc092308_80	1,208,805.347	2,301,394.298	9/25/2008	0.00000	0.0012	0.0219	791.3	38.0	25-09-2008 13:21:06	0.000	0.005	0.092	0.2379	BASIN CREEK
bc092308_81	1,208,811.832	2,301,595.062	9/25/2008	0.00000	0.0009	0.0446	790.0	38.0	25-09-2008 13:26:27	-0.065	0.004	0.188	0.2375	BASIN CREEK
bc092308_82	1,208,994.366	2,301,612.681	9/25/2008	0.00000	0.0007	0.0705	790.1	38.1	25-09-2008 13:32:04	-0.003	0.003	0.297	0.2374	BASIN CREEK
bc092308_83	1,209,007.714	2,301,411.254	9/25/2008	0.00000	0.0014	0.0425	790.0	38.4	25-09-2008 13:38:37	-0.505	0.006	0.179	0.2372	BASIN CREEK
bc092308_84	1,209,201.594	2,301,410.735	9/25/2008	0.32148	0.0031	0.2030	793.4	38.7	25-09-2008 13:44:36	1.351	0.013	0.853	0.2380	BASIN CREEK
bc092308_85	1,209,189.330	2,301,586.199	9/25/2008	0.00000	0.0014	0.0607	794.6	39.0	25-09-2008 13:50:22	-1.312	0.006	0.255	0.2381	BASIN CREEK
bc092308_86	1,209,381.593	2,301,618.661	9/25/2008	0.02016	0.0019	0.1608	792.3	39.3	25-09-2008 13:56:59	0.085	0.008	0.678	0.2372	BASIN CREEK
bc082508_57	1,211,989.706	2,304,999.069	8/26/2008	0.00000	0.0012	0.1296	785.4	39.7	26-08-2008 15:15:57	0.000	0.005	0.552	0.2348	BASIN CREEK NORTH
bc082508_58	1,212,002.699	2,304,808.136	8/26/2008	0.00000	0.0009	0.2682	783.5	39.4	26-08-2008 15:24:08	0.000	0.004	1.144	0.2345	BASIN CREEK NORTH
bc082508_59	1,211,992.317	2,304,598.878	8/26/2008	0.00000	0.0019	0.0820	784.8	39.1	26-08-2008 15:31:13	0.000	0.008	0.349	0.2351	BASIN CREEK NORTH
bc082508_60	1,212,206.501	2,305,000.779	8/28/2008	0.41883	0.0002	0.1414	783.4	29.5	28-08-2008 13:57:25	1.730	0.001	0.584	0.2421	BASIN CREEK NORTH
bc082508_61	1,212,391.572	2,304,991.333	8/28/2008	0.16978	0.0044	0.0668	793.3	33.2	28-08-2008 14:06:53	0.701	0.018	0.276	0.2422	BASIN CREEK NORTH
bc082508_62	1,212,593.274	2,304,997.759	8/28/2008	0.17959	0.0045	0.0771	784.4	36.1	28-08-2008 14:16:07	0.757	0.019	0.325	0.2372	BASIN CREEK NORTH
bc082508_63	1,212,798.981	2,304,995.676	8/28/2008	6.02367	0.0014	3.8646	783.1	38.2	28-08-2008 14:22:21	25.606	0.006	16.428	0.2352	BASIN CREEK NORTH
bc082508_64	1,212,008.024	2,304,988.802	8/28/2008	0.09007	0.0019	0.1376	782.0	39.5	28-08-2008 14:28:46	0.385	0.008	0.588	0.2339	BASIN CREEK NORTH
bc082508_65	1,213,204.590	2,304,993.612	8/28/2008	0.13478	0.0044	0.1488	782.2	40.6	28-08-2008 14:36:32	0.578	0.019	0.638	0.2332	BASIN CREEK NORTH
bc082508_66	1,213,399.170	2,304,993.187	8/28/2008	0.08770	0.0056	0.0733	783.1	41.7	28-08-2008 14:44:00	0.377	0.024	0.315	0.2326	BASIN CREEK NORTH
bc082508_67	1,213,609.637	2,305,004.626	8/28/2008	6.42082	0.0021	3.0225	781.9	42.8	28-08-2008 14:51:05	27.740	0.009	13.058	0.2315	BASIN CREEK NORTH
bc082508_68	1,213,807.701	2,304,997.429	8/28/2008	0.02557	0.0018	0.1205	779.7	43.4	28-08-2008 14:55:12	0.111	0.008	0.523	0.2304	BASIN CREEK NORTH
bc082508_69	1,213,805.428	2,304,794.378	8/28/2008	0.03198	0.0016	0.0653	779.9	43.9	28-08-2008 15:00:48	0.139	0.007	0.284	0.2301	BASIN CREEK NORTH
bc082508_70	1,213,603.297	2,304,798.020	8/28/2008	0.00596	0.0028	0.0518	778.1	44.2	28-08-2008 15:04:52	0.026	0.012	0.226	0.2293	BASIN CREEK NORTH
bc082508_71	1,213,416.269	2,304,807.890	8/28/2008	0.00000	0.0030	0.0899	779.1	44.5	28-08-2008 15:09:05	0.000	0.013	0.392	0.2294	BASIN CREEK NORTH
bc082508_72	1,213,197.017	2,304,788.516	8/28/2008	2.15435	0.0032	21.5475	785.3	44.6	28-08-2008 15:14:08	9.320	0.014	93.217	0.2312	BASIN CREEK NORTH
bc082508_73	1,213,017.459	2,304,801.919	8/28/2008	0.00000	0.0025	1.6986	779.6	44.6	28-08-2008 15:19:13	0.000	0.011	7.402	0.2295	BASIN CREEK NORTH
bc082508_74	1,212,808.410	2,304,797.532	8/28/2008	0.00000	0.0025	0.1376	777.6	44.5	28-08-2008 15:24:11	0.000	0.011	0.601	0.2290	BASIN CREEK NORTH
bc082508_75	1,212,603.252	2,304,804.062	8/28/2008	0.00000	0.0023	0.0704	779.2	44.5	28-08-2008 15:27:52	0.000	0.010	0.307	0.2294	BASIN CREEK NORTH
bc082508_76	1,212,399.396	2,304,809.888	8/28/2008	0.00000	0.0018	0.0695	781.2	44.5	28-08-2008 15:32:45	0.000	0.008	0.302	0.2300	BASIN CREEK NORTH
bc082508_77	1,212,198.440	2,304,809.839	8/28/2008	0.00000	0.0035	0.1576	781.6	44.5	28-08-2008 15:37:16	0.000	0.015	0.685	0.2301	BASIN CREEK NORTH
bc082508_78	1,212,199.350	2,304,605.679	8/29/2008	0.06623	0.0005	0.0945	787.5	26.0	29-08-2008 11:03:38	0.269	0.002	0.384	0.2462	BASIN CREEK NORTH
bc082508_79	1,212,002.714	2,304,406.361	8/29/2008	0.16352	0.0000	0.1706	787.5	29.1	29-08-2008 11:14:25	0.671	0.000	0.700	0.2437	BASIN CREEK NORTH
bc082508_80	1,212,000.861	2,304,198.783	8/29/2008	0.16448	0.0029	0.1789	790.6	34.8	29-08-2008 11:49:11	0.685	0.012	0.745	0.2401	BASIN CREEK NORTH
bc082508_81	1,212,014.298	2,304,032.800	8/29/2008	0.07480	0.0012	0.1091	791.2	35.5	29-08-2008 11:56:04	0.312	0.005	0.455	0.2398	BASIN CREEK NORTH
bc082508_82	1,212,403.586	2,304,006.976	8/29/2008	0.13822	0.0005	0.0057	790.1	36.4	29-08-2008 12:04:44	0.579	0.002	0.024	0.2387	BASIN CREEK NORTH
bc082508_83	1,212,603.410	2,304,012.320	8/29/2008	0.05468	0.0038	0.1799	786.5	37.6	29-08-2008 12:13:48	0.231	0.016	0.760	0.2367	BASIN CREEK NORTH
bc082508_84	1,212,797.529	2,304,003.272	8/29/2008	0.16546	0.0014	0.0172	784.0	38.4	29-08-2008 12:20:43	0.703	0.006	0.073	0.2354	BASIN CREEK NORTH
bc082508_85	1,213,005.495	2,304,000.577	8/29/2008	0.11964	0.0075	0.0676	783.4	39.2	29-08-2008 12:26:54	0.510	0.032	0.288	0.2346	BASIN CREEK NORTH
bc082508_86	1,213,204.432	2,304,007.916	8/29/2008	0.04151	0.0037	0.0686	781.0	40.1	29-08-2008 12:34:13	0.178	0.016	0.294	0.2332	BASIN CREEK NORTH
bc082508_87	1,213,394.633	2,304,004.478	8/29/2008	0.08537	0.0016	0.0389	779.1	41.8	29-08-2008 12:54:19	0.369	0.007	0.168	0.2314	BASIN CREEK NORTH
bc082508_88	1,213,404.298	2,303,796.050	8/29/2008	0.00923	0.0046	0.2083	777.2	42.0	29-08-2008 12:59:53	0.040	0.020	0.903	0.2307	BASIN CREEK NORTH
bc082508_89	1,213,600.979	2,303,800.006	8/29/2008	0.01107	0.0012	0.0385	777.2	42.1	29-08-2008 13:05:03	0.048	0.005	0.167	0.2306	BASIN CREEK NORTH
bc082508_90	1,213,599.133	2,303,996.158	8/29/2008	0.00092	0.0028	0.1500	776.2	42.4	29-08-2008 13:10:26	0.004	0.012	0.652	0.2301	BASIN CREEK NORTH
bc082508_91	1,213,795.593	2,304,004.512	8/29/2008	0.00000	0.0009	0.2112	775.8	42.6	29-08-2008 13:14:55	-0.007	0.004	0.919	0.2298	BASIN CREEK NORTH
bc082508_92	1,213,801.311	2,303,798.501	8/29/2008	0.00000	0.0016	0.0425	775.6	44.5	29-08-2008 13:41:08	0.000	0.007	0.186	0.2284	BASIN CREEK NORTH
bc082508_93	1,213,997.868	2,303,772.908	8/29/2008	0.00000	0.0016	0.1832	773.5	44.7	29-08-2008 13:49:04	0.000	0.007	0.805	0.2276	BASIN CREEK NORTH
bc082508_94	1,213,998.878	2,303,995.292	8/29/2008	0.00000	0.0011	0.0123	773.8	44.7	29-08-2008 13:54:24	0.000	0.005	0.054	0.2277	BASIN CREEK NORTH
bc090308_01	1,212,598.568	2,304,589.417	9/3/2008	1.68926	0.0013	2.7466	783.4	19.5	03-09-2008 08:58:21	6.747	0.005	10.970	0.2504	BASIN CREEK NORTH
bc090308_02	1,212,410.169	2,304,604.742	9/3/2008	1.60768	0.0017	1.3563	783.5	21.9	03-09-2008 09:08:59	6.473	0.007	5.461	0.2484	BASIN CREEK NORTH
bc090308_03	1,212,386.188	2,304,402.324	9/3/2008	0.17510	0.0010	1.5496	786.1	23.3	03-09-2008 09:17:40	0.706	0.004	6.248	0.2480	BASIN CREEK NORTH
bc090308_04	1,212,391.299	2,304,174.331	9/3/2008	0.00000	0.0032	0.1104	787.1	24.3	03-09-2008 09:24:17	0.000	0.013	0.446	0.2475	BASIN CREEK NORTH
bc090308_05	1,212,594.033	2,304,192.711	9/3/2008	0.20870	0.0015	0.6014	789.3	25.4	03-09-2008 09:33:10	0.844	0.006	2.432	0.2473	BASIN CREEK NORTH
bc090308_06	1,212,586.343	2,304,406.348	9/3/2008	0.07567	0.0010	0.6049	786.3	26.2	03-09-2008 09:40:09	0.308	0.004	2.462	0.2457	BASIN CREEK NORTH
bc090308_07	1,212,794.335	2,304,595.794	9/3/2008	0.02226	0.0010	0.1017	784.6	26.9	03-09-2008 09:46:57	0.091	0.004	0.416	0.2446	BASIN CREEK NORTH
bc090308_08	1,212,787.453	2,304,407.885	9/3/2008	0.00000	0.0005	0.2113	783.0	27.4	03-09-2008 09:52:36	-0.009	0.002	0.867	0.2437	BASIN CREEK NORTH
bc090308_09	1,212,799.762	2,304,182.227	9/3/2008	0.12577	0.0012	0.2257	783.0	27.9	03-09-2008 09:59:04	0.517	0.005	0.928	0.2433	BASIN CREEK NORTH
bc090308_10	1,213,000.927	2,304,196.130	9/3/2008	0.01022	0.0007	0.1603	784.0	28.3	03-09-2008 10:05:37	0.042	0.003	0.659	0.2432	BASIN CREEK NORTH

bc090308_100	1,214,792.295	2,306,397.143	9/8/2008	0.02008	0.0009	0.1181	784.7	37.6	08-09-2008 12:06:06	0.085	0.004	0.500	0.2362	BASIN CREEK NORTH
bc090308_101	1,214,997.100	2,306,410.973	9/8/2008	0.16794	0.0014	0.0652	783.0	38.2	08-09-2008 12:11:06	0.714	0.006	0.277	0.2352	BASIN CREEK NORTH
bc090308_102	1,215,199.146	2,306,599.229	9/8/2008	0.00000	0.0009	0.0904	781.2	38.7	08-09-2008 12:15:50	0.000	0.004	0.386	0.2343	BASIN CREEK NORTH
bc090308_103	1,215,203.809	2,306,805.727	9/8/2008	0.00093	0.0012	0.1240	780.1	39.4	08-09-2008 12:26:29	0.004	0.005	0.531	0.2334	BASIN CREEK NORTH
bc090308_104	1,215,012.723	2,306,613.672	9/8/2008	0.14339	0.0014	0.0317	779.1	39.9	08-09-2008 12:36:46	0.616	0.006	0.136	0.2328	BASIN CREEK NORTH
bc090308_105	1,214,809.285	2,306,597.658	9/8/2008	0.02822	0.0042	0.1360	780.3	39.8	08-09-2008 13:09:56	0.121	0.018	0.583	0.2332	BASIN CREEK NORTH
bc090308_106	1,214,597.972	2,306,613.345	9/8/2008	0.01146	0.0014	0.0643	782.3	39.7	08-09-2008 13:15:28	0.049	0.006	0.275	0.2339	BASIN CREEK NORTH
bc090308_107	1,214,601.686	2,306,814.973	9/8/2008	0.10957	0.0026	0.1674	783.4	39.8	08-09-2008 13:22:47	0.468	0.011	0.715	0.2341	BASIN CREEK NORTH
bc090308_108	1,214,601.519	2,307,004.090	9/8/2008	0.00000	0.0026	0.6213	781.2	40.0	08-09-2008 13:28:01	0.000	0.011	2.663	0.2333	BASIN CREEK NORTH
bc090308_109	1,214,803.238	2,307,022.540	9/8/2008	0.06122	0.0014	0.4262	780.4	40.4	08-09-2008 13:34:08	0.263	0.006	1.831	0.2328	BASIN CREEK NORTH
bc090308_11	1,213,205.655	2,304,208.115	9/3/2008	0.02399	0.0010	0.2998	782.4	28.8	03-09-2008 10:11:42	0.099	0.004	1.237	0.2424	BASIN CREEK NORTH
bc090308_110	1,214,801.310	2,306,799.100	9/8/2008	0.00000	0.0042	0.2200	779.1	38.5	08-09-2008 14:17:39	0.000	0.018	0.941	0.2338	BASIN CREEK NORTH
bc090308_111	1,215,011.442	2,306,842.979	9/8/2008	0.00000	0.0040	0.1814	780.0	38.1	08-09-2008 14:23:11	0.000	0.017	0.774	0.2344	BASIN CREEK NORTH
bc090308_112	1,215,005.434	2,307,017.479	9/8/2008	0.00000	0.0047	0.0888	779.0	37.7	08-09-2008 14:27:51	0.000	0.020	0.379	0.2344	BASIN CREEK NORTH
bc090308_113	1,214,990.693	2,307,201.132	9/8/2008	1.69613	0.0012	2.8619	778.4	37.1	08-09-2008 14:37:28	7.228	0.005	12.196	0.2347	BASIN CREEK NORTH
bc090308_114	1,214,798.122	2,307,220.104	9/8/2008	0.00000	0.0040	0.1996	778.9	36.7	08-09-2008 14:43:47	0.000	0.017	0.849	0.2351	BASIN CREEK NORTH
bc090308_12	1,213,401.118	2,304,189.737	9/3/2008	0.14700	0.0019	0.1197	780.8	29.4	03-09-2008 10:18:59	0.609	0.008	0.496	0.2414	BASIN CREEK NORTH
bc090308_13	1,213,600.738	2,304,198.278	9/3/2008	0.00144	0.0017	0.1082	777.5	29.9	03-09-2008 10:24:23	0.006	0.007	0.451	0.2400	BASIN CREEK NORTH
bc090308_14	1,213,789.130	2,304,195.270	9/3/2008	0.11258	0.0012	0.0747	777.4	30.4	03-09-2008 10:30:35	0.470	0.005	0.312	0.2395	BASIN CREEK NORTH
bc090308_15	1,214,003.572	2,304,195.361	9/3/2008	0.02056	0.0048	0.0777	776.8	30.8	03-09-2008 10:34:57	0.086	0.020	0.325	0.2390	BASIN CREEK NORTH
bc090308_16	1,213,997.014	2,304,403.640	9/3/2008	0.00454	0.0014	0.0375	777.5	31.2	03-09-2008 10:39:04	0.019	0.006	0.157	0.2389	BASIN CREEK NORTH
bc090308_17	1,213,795.149	2,304,393.972	9/3/2008	0.13935	0.0002	0.0150	778.0	31.8	03-09-2008 10:46:46	0.584	0.001	0.063	0.2386	BASIN CREEK NORTH
bc090308_18	1,213,612.149	2,304,410.506	9/3/2008	0.13275	0.0014	0.1892	779.6	32.8	03-09-2008 11:01:00	0.557	0.006	0.794	0.2383	BASIN CREEK NORTH
bc090308_19	1,213,391.457	2,304,397.472	9/3/2008	0.04094	0.0014	0.1559	779.4	33.1	03-09-2008 11:07:13	0.172	0.006	0.655	0.2380	BASIN CREEK NORTH
bc090308_20	1,213,186.003	2,304,604.789	9/3/2008	0.00000	0.0007	0.2330	780.0	33.4	03-09-2008 11:14:50	-0.034	0.003	0.979	0.2380	BASIN CREEK NORTH
bc090308_21	1,212,991.130	2,304,405.228	9/3/2008	0.00572	0.0012	0.1903	782.1	34.0	03-09-2008 11:26:10	0.024	0.005	0.799	0.2382	BASIN CREEK NORTH
bc090308_22	1,213,199.179	2,304,388.305	9/3/2008	0.15465	0.0007	0.3421	781.4	34.5	03-09-2008 11:31:42	0.651	0.003	1.440	0.2376	BASIN CREEK NORTH
bc090308_23	1,213,002.682	2,304,611.969	9/3/2008	0.10059	0.0009	0.2802	782.4	35.3	03-09-2008 11:38:00	0.424	0.004	1.181	0.2372	BASIN CREEK NORTH
bc090308_24	1,213,405.422	2,304,602.589	9/3/2008	0.17860	0.0024	0.4148	780.6	35.9	03-09-2008 11:45:02	0.756	0.010	1.756	0.2362	BASIN CREEK NORTH
bc090308_25	1,213,599.086	2,304,611.395	9/3/2008	0.00000	0.0017	0.2542	781.0	36.3	03-09-2008 11:50:40	0.000	0.007	1.077	0.2361	BASIN CREEK NORTH
bc090308_26	1,213,800.131	2,304,612.692	9/3/2008	0.17491	0.0007	0.0203	782.0	36.7	03-09-2008 11:54:58	0.741	0.003	0.086	0.2361	BASIN CREEK NORTH
bc090308_27	1,213,797.894	2,305,205.830	9/3/2008	0.00000	0.0030	0.3124	780.5	38.6	03-09-2008 12:26:22	0.000	0.013	1.334	0.2342	BASIN CREEK NORTH
bc090308_28	1,213,803.114	2,305,419.683	9/3/2008	0.00000	0.0012	0.3029	784.2	38.7	03-09-2008 12:33:05	0.000	0.005	1.288	0.2352	BASIN CREEK NORTH
bc090308_29	1,213,788.728	2,305,602.932	9/3/2008	0.00000	0.0061	0.3203	786.4	38.7	03-09-2008 12:39:03	0.000	0.026	1.358	0.2359	BASIN CREEK NORTH
bc090308_30	1,213,603.480	2,305,604.012	9/3/2008	0.00000	0.0021	0.1586	786.2	38.9	03-09-2008 12:44:35	0.000	0.009	0.673	0.2356	BASIN CREEK NORTH
bc090308_31	1,213,598.466	2,305,402.471	9/3/2008	0.53715	0.0009	0.5471	788.6	39.1	03-09-2008 12:49:18	2.274	0.004	2.316	0.2362	BASIN CREEK NORTH
bc090308_32	1,213,593.023	2,305,233.755	9/3/2008	0.19069	0.0078	2.9582	785.5	39.3	03-09-2008 12:55:47	0.811	0.033	12.581	0.2351	BASIN CREEK NORTH
bc090308_33	1,213,407.322	2,305,192.868	9/3/2008	0.09672	0.0012	0.7495	784.7	41.0	03-09-2008 13:31:24	0.414	0.005	3.208	0.2336	BASIN CREEK NORTH
bc090308_34	1,213,404.242	2,305,398.960	9/3/2008	0.08583	0.0014	0.4184	783.9	41.2	03-09-2008 13:39:05	0.368	0.006	1.794	0.2332	BASIN CREEK NORTH
bc090308_35	1,213,414.137	2,305,601.896	9/3/2008	0.79772	0.0014	0.8220	785.9	41.8	03-09-2008 13:59:15	3.418	0.006	3.522	0.2334	BASIN CREEK NORTH
bc090308_36	1,213,193.450	2,305,208.006	9/4/2008	0.20054	0.0046	0.8554	774.2	23.3	04-09-2008 09:41:04	0.821	0.019	3.502	0.2443	BASIN CREEK NORTH
bc090308_37	1,213,238.030	2,305,367.533	9/4/2008	1.46453	0.0058	1.3330	774.2	24.2	04-09-2008 09:45:10	6.014	0.024	5.474	0.2435	BASIN CREEK NORTH
bc090308_38	1,213,196.084	2,305,411.148	9/4/2008	0.17846	0.0027	1.6700	786.0	25.1	04-09-2008 09:50:24	0.724	0.011	6.775	0.2465	BASIN CREEK NORTH
bc090308_39	1,213,194.624	2,305,604.709	9/4/2008	0.01132	0.0020	1.8750	787.7	26.3	04-09-2008 09:56:48	0.046	0.008	7.621	0.2460	BASIN CREEK NORTH
bc090308_40	1,212,993.418	2,305,589.259	9/4/2008	0.16896	0.0029	0.0922	787.3	28.0	04-09-2008 10:05:36	0.691	0.012	0.377	0.2445	BASIN CREEK NORTH
bc090308_41	1,212,989.238	2,305,390.128	9/4/2008	0.00000	0.0010	0.0384	789.4	29.1	04-09-2008 10:12:17	0.000	0.004	0.157	0.2443	BASIN CREEK NORTH
bc090308_42	1,213,007.326	2,305,214.397	9/4/2008	0.09297	0.0010	1.1363	788.6	29.9	04-09-2008 10:19:55	0.382	0.004	0.560	0.2434	BASIN CREEK NORTH
bc090308_43	1,212,795.576	2,305,185.901	9/4/2008	17.47670	0.0007	3.1729	786.9	31.0	04-09-2008 10:31:17	72.223	0.003	13.112	0.2420	BASIN CREEK NORTH
bc090308_44	1,212,795.741	2,305,386.145	9/4/2008	13.30560	0.0017	0.3839	784.4	31.7	04-09-2008 10:37:55	55.288	0.007	1.595	0.2407	BASIN CREEK NORTH
bc090308_45	1,212,789.423	2,305,590.323	9/4/2008	0.00867	0.0014	0.2732	787.4	32.5	04-09-2008 10:46:24	0.036	0.006	1.134	0.2409	BASIN CREEK NORTH
bc090308_46	1,212,609.303	2,305,602.195	9/4/2008	0.25600	0.0024	0.1366	790.8	36.0	04-09-2008 11:17:35	1.070	0.010	0.571	0.2392	BASIN CREEK NORTH
bc090308_47	1,212,598.336	2,305,415.631	9/4/2008	0.05680	0.0076	0.0227	787.6	38.1	04-09-2008 11:29:35	0.240	0.032	0.096	0.2367	BASIN CREEK NORTH
bc090308_48	1,212,592.408	2,305,212.879	9/4/2008	0.05298	0.0014	0.3290	785.9	39.0	04-09-2008 11:37:09	0.225	0.006	1.397	0.2355	BASIN CREEK NORTH
bc090308_49	1,212,408.399	2,305,203.258	9/4/2008	0.14402	0.0085	0.0223	786.1	39.8	04-09-2008 11:49:29	0.613	0.036	0.095	0.2349	BASIN CREEK NORTH
bc090308_50	1,212,402.812	2,305,397.702	9/4/2008	0.15113	0.0045	0.0684	787.7	40.3	04-09-2008 11:57:34	0.643	0.019	0.291	0.2350	BASIN CREEK NORTH
bc090308_51	1,212,420.225	2,305,609.451	9/4/2008	0.00000	0.0016	0.0667	787.4	40.6	04-09-2008 12:03:43	0.000	0.007	0.284	0.2347	BASIN CREEK NORTH
bc090308_52	1,212,207.452	2,305,595.411	9/4/2008	0.13395	0.0084	0.5208	787.7	40.9	04-09-2008 12:09:38	0.571	0.036	2.220	0.2346	BASIN CREEK NORTH

bc090308_53	1,212,019.079	2,305,407.967	9/4/2008	0.00493	0.0054	0.0681	789.0	41.2	04-09-2008 12:18:53	0.021	0.023	0.290	0.2348	BASIN CREEK NORTH
bc090308_54	1,212,199.310	2,305,392.521	9/4/2008	0.00000	0.0016	0.0419	788.1	41.4	04-09-2008 12:23:38	0.000	0.007	0.179	0.2343	BASIN CREEK NORTH
bc090308_55	1,212,186.381	2,305,194.765	9/4/2008	0.09435	0.0019	0.1999	788.1	41.7	04-09-2008 12:30:02	0.403	0.008	0.854	0.2341	BASIN CREEK NORTH
bc090308_56	1,212,408.720	2,305,789.681	9/5/2008	0.18013	0.0007	0.0739	780.0	29.8	05-09-2008 10:18:23	0.748	0.003	0.307	0.2408	BASIN CREEK NORTH
bc090308_57	1,212,568.935	2,305,808.878	9/5/2008	0.35788	0.0054	0.6920	796.3	30.9	05-09-2008 10:25:06	1.461	0.022	2.825	0.2450	BASIN CREEK NORTH
bc090308_58	1,212,592.912	2,306,001.268	9/5/2008	0.17507	0.0039	0.2543	788.6	32.3	05-09-2008 10:33:35	0.725	0.016	1.053	0.2415	BASIN CREEK NORTH
bc090308_59	1,212,795.998	2,305,799.510	9/5/2008	0.04708	0.0010	0.0558	792.4	33.8	05-09-2008 10:44:38	0.195	0.004	0.231	0.2415	BASIN CREEK NORTH
bc090308_60	1,212,797.078	2,306,003.482	9/5/2008	0.03723	0.0010	0.1607	790.1	34.5	05-09-2008 10:50:59	0.155	0.004	0.669	0.2402	BASIN CREEK NORTH
bc090308_61	1,212,799.027	2,306,195.001	9/5/2008	0.14612	0.0062	0.1804	790.5	35.0	05-09-2008 10:57:29	0.609	0.026	0.752	0.2399	BASIN CREEK NORTH
bc090308_62	1,212,994.860	2,306,009.379	9/5/2008	0.00000	0.0014	0.0830	789.2	35.4	05-09-2008 11:02:52	0.000	0.006	0.347	0.2392	BASIN CREEK NORTH
bc090308_63	1,212,996.720	2,305,808.568	9/5/2008	0.03048	0.0010	0.0364	788.2	36.4	05-09-2008 11:14:23	0.128	0.004	0.153	0.2382	BASIN CREEK NORTH
bc090308_64	1,213,203.948	2,305,800.341	9/5/2008	5.33048	0.0009	3.2204	786.9	37.0	05-09-2008 11:20:29	22.463	0.004	13.571	0.2373	BASIN CREEK NORTH
bc090308_65	1,213,392.819	2,305,808.877	9/5/2008	0.00000	0.0024	0.1373	785.5	37.7	05-09-2008 11:30:00	0.000	0.010	0.581	0.2363	BASIN CREEK NORTH
bc090308_66	1,213,586.279	2,305,795.265	9/5/2008	0.02669	0.0024	0.1256	785.9	38.1	05-09-2008 11:36:04	0.113	0.010	0.532	0.2362	BASIN CREEK NORTH
bc090308_67	1,213,779.754	2,305,802.818	9/5/2008	0.01370	0.0012	0.1039	786.9	38.4	05-09-2008 11:41:46	0.058	0.005	0.440	0.2362	BASIN CREEK NORTH
bc090308_68	1,213,746.611	2,305,959.364	9/5/2008	0.00000	0.0012	0.0424	785.4	38.9	05-09-2008 11:48:55	0.000	0.005	0.180	0.2354	BASIN CREEK NORTH
bc090308_69	1,213,594.746	2,305,982.696	9/5/2008	0.00000	0.0021	0.1009	787.8	39.4	05-09-2008 11:55:28	0.000	0.009	0.428	0.2357	BASIN CREEK NORTH
bc090308_70	1,213,397.364	2,305,987.456	9/5/2008	0.11114	0.0024	0.7523	788.1	39.9	05-09-2008 12:01:31	0.472	0.010	3.195	0.2355	BASIN CREEK NORTH
bc090308_71	1,213,197.870	2,305,998.291	9/5/2008	0.00000	0.0016	0.1101	787.0	40.3	05-09-2008 12:09:44	0.000	0.007	0.469	0.2348	BASIN CREEK NORTH
bc090308_72	1,213,012.561	2,306,192.880	9/5/2008	0.05987	0.0049	0.1594	787.4	40.5	05-09-2008 12:16:41	0.255	0.021	0.679	0.2348	BASIN CREEK NORTH
bc090308_73	1,213,005.112	2,306,381.012	9/5/2008	0.01952	0.0014	0.1009	789.7	40.9	05-09-2008 12:25:38	0.083	0.006	0.429	0.2352	BASIN CREEK NORTH
bc090308_74	1,213,190.234	2,306,385.406	9/5/2008	0.00000	0.0014	0.0370	791.7	41.0	05-09-2008 13:05:17	0.000	0.006	0.157	0.2357	BASIN CREEK NORTH
bc090308_75	1,213,206.566	2,306,596.494	9/5/2008	0.00000	0.0016	0.0901	789.0	41.4	05-09-2008 13:19:11	0.000	0.007	0.384	0.2346	BASIN CREEK NORTH
bc090308_76	1,213,174.686	2,306,208.901	9/5/2008	0.00094	0.0024	0.0557	791.6	41.9	05-09-2008 13:45:47	0.004	0.010	0.237	0.2350	BASIN CREEK NORTH
bc090308_77	1,213,399.895	2,306,192.979	9/8/2008	0.00000	0.0012	0.0923	778.6	25.2	08-09-2008 09:19:17	0.000	0.005	0.378	0.2441	BASIN CREEK NORTH
bc090308_78	1,213,389.695	2,306,407.642	9/8/2008	0.02077	0.0005	0.1293	790.4	25.9	08-09-2008 09:26:03	0.084	0.002	0.523	0.2472	BASIN CREEK NORTH
bc090308_79	1,213,402.437	2,306,594.103	9/8/2008	0.00494	0.0020	0.0232	791.3	26.5	08-09-2008 09:31:38	0.020	0.008	0.094	0.2470	BASIN CREEK NORTH
bc090308_80	1,213,586.303	2,306,797.725	9/8/2008	0.90136	0.0005	0.3567	790.8	27.1	08-09-2008 09:40:07	3.659	0.002	1.448	0.2463	BASIN CREEK NORTH
bc090308_81	1,213,580.156	2,306,613.656	9/8/2008	0.01300	0.0012	0.1214	788.9	27.6	08-09-2008 09:47:16	0.053	0.005	0.495	0.2453	BASIN CREEK NORTH
bc090308_82	1,213,589.990	2,306,397.716	9/8/2008	0.00000	0.0022	0.1237	788.9	28.0	08-09-2008 09:52:51	0.000	0.009	0.505	0.2450	BASIN CREEK NORTH
bc090308_83	1,213,593.418	2,306,196.252	9/8/2008	0.00586	0.0002	0.1920	788.5	28.7	08-09-2008 09:59:28	0.024	0.001	0.786	0.2443	BASIN CREEK NORTH
bc090308_84	1,213,788.855	2,306,194.787	9/8/2008	0.00000	0.0017	0.0740	792.3	29.4	08-09-2008 10:06:42	0.000	0.007	0.302	0.2449	BASIN CREEK NORTH
bc090308_85	1,213,996.098	2,306,201.267	9/8/2008	0.00268	0.0002	0.0409	789.5	29.9	08-09-2008 10:11:49	0.011	0.001	0.168	0.2437	BASIN CREEK NORTH
bc090308_86	1,214,203.468	2,306,193.602	9/8/2008	0.03013	0.0015	0.0219	788.9	30.5	08-09-2008 10:17:07	0.124	0.006	0.090	0.2430	BASIN CREEK NORTH
bc090308_87	1,214,190.802	2,306,398.453	9/8/2008	0.00000	0.0017	0.0796	787.0	31.1	08-09-2008 10:22:30	0.000	0.007	0.329	0.2419	BASIN CREEK NORTH
bc090308_88	1,213,988.840	2,306,400.085	9/8/2008	0.00000	0.0007	0.0666	788.3	31.5	08-09-2008 10:27:10	0.000	0.003	0.275	0.2420	BASIN CREEK NORTH
bc090308_89	1,213,799.771	2,306,433.137	9/8/2008	0.00701	0.0005	0.6492	789.7	32.2	08-09-2008 10:36:14	0.029	0.002	2.684	0.2419	BASIN CREEK NORTH
bc090308_90	1,213,799.025	2,306,608.293	9/8/2008	0.33367	0.0022	0.4695	788.7	32.6	08-09-2008 10:46:33	1.383	0.009	1.946	0.2413	BASIN CREEK NORTH
bc090308_91	1,213,802.779	2,306,789.768	9/8/2008	0.00000	0.0007	0.0689	788.2	33.0	08-09-2008 10:52:37	0.000	0.003	0.286	0.2408	BASIN CREEK NORTH
bc090308_92	1,214,008.332	2,306,815.010	9/8/2008	0.00553	0.0005	0.1026	787.8	33.5	08-09-2008 10:59:07	0.023	0.002	0.427	0.2403	BASIN CREEK NORTH
bc090308_93	1,213,976.620	2,306,602.302	9/8/2008	0.00000	0.0014	0.1066	787.0	34.1	08-09-2008 11:18:22	0.000	0.006	0.445	0.2396	BASIN CREEK NORTH
bc090308_94	1,214,206.634	2,306,603.081	9/8/2008	0.01411	0.0005	0.0153	786.5	34.4	08-09-2008 11:24:58	0.059	0.002	0.064	0.2392	BASIN CREEK NORTH
bc090308_95	1,214,190.490	2,306,810.017	9/8/2008	0.06051	0.0053	0.4626	787.5	34.8	08-09-2008 11:33:49	0.253	0.022	1.934	0.2392	BASIN CREEK NORTH
bc090308_96	1,214,394.156	2,306,806.192	9/8/2008	0.00974	0.0012	0.1300	784.7	35.7	08-09-2008 11:43:29	0.041	0.005	0.547	0.2376	BASIN CREEK NORTH
bc090308_97	1,214,405.636	2,306,595.905	9/8/2008	0.18375	0.0012	0.2289	782.7	36.4	08-09-2008 11:50:52	0.777	0.005	0.968	0.2365	BASIN CREEK NORTH
bc090308_98	1,214,404.324	2,306,389.970	9/8/2008	0.00711	0.0019	0.1252	785.6	36.8	08-09-2008 11:56:07	0.030	0.008	0.528	0.2371	BASIN CREEK NORTH
bc090308_99	1,214,594.016	2,306,399.287	9/8/2008	0.02866	0.0014	0.0905	785.9	37.2	08-09-2008 12:01:22	0.121	0.006	0.382	0.2368	BASIN CREEK NORTH
cjw091108_06	1,214,800.198	2,308,604.979	9/11/2008	0.00000	0.0027	0.2561	796.0	27.4	11-09-2008 09:16:22	0.000	0.011	1.034	0.2477	BASIN CREEK NORTH
cjw091108_07	1,214,801.284	2,308,400.959	9/11/2008	0.15600	0.0027	0.1407	794.8	28.5	11-09-2008 09:23:19	0.633	0.011	0.571	0.2464	BASIN CREEK NORTH
cjw091108_08	1,214,992.429	2,308,406.385	9/11/2008	0.09381	0.0049	0.1661	792.3	29.4	11-09-2008 09:28:43	0.383	0.020	0.678	0.2449	BASIN CREEK NORTH
cjw091108_09	1,214,990.638	2,308,209.478	9/11/2008	0.03465	0.0027	0.1977	792.0	30.4	11-09-2008 09:36:11	0.142	0.011	0.810	0.2440	BASIN CREEK NORTH
cjw091108_10	1,215,006.959	2,307,993.497	9/11/2008	0.19061	0.0039	0.4337	790.4	31.3	11-09-2008 09:43:37	0.785	0.016	1.786	0.2428	BASIN CREEK NORTH
cjw091108_11	1,215,196.943	2,308,000.666	9/11/2008	0.09499	0.0034	0.1192	788.6	32.0	11-09-2008 09:48:52	0.393	0.014	0.493	0.2417	BASIN CREEK NORTH
cjw091108_12	1,215,196.507	2,307,801.164	9/11/2008	0.00000	0.0002	0.0150	788.9	32.7	11-09-2008 09:56:14	0.000	0.001	0.062	0.2412	BASIN CREEK NORTH
cjw091108_13	1,215,200.516	2,307,606.502	9/11/2008	0.01730	0.0024	0.0471	786.9	33.1	11-09-2008 10:01:13	0.072	0.010	0.196	0.2403	BASIN CREEK NORTH
cjw091108_18	1,213,994.555	2,308,613.965	9/16/2008	0.00000	0.0029	0.0411	795.4	36.0	16-09-2008 15:03:57	-0.012	0.012	0.171	0.2406	BASIN CREEK NORTH
cjw091108_22	1,215,200.535	2,307,400.735	9/17/2008	0.00171	0.0000	0.0049	789.5	28.7	17-09-2008 09:03:03	0.007	0.000	0.020	0.2446	BASIN CREEK NORTH

cjw091108_23	1,214,992.749	2,307,409.391	9/17/2008	0.00959	0.0002	0.0226	796.0	29.7	17-09-2008 09:09:19	0.039	0.001	0.092	0.2458	BASIN CREEK NORTH
cjw091108_24	1,214,798.506	2,307,387.898	9/17/2008	0.00000	0.0005	0.0552	794.4	30.9	17-09-2008 09:17:45	0.000	0.002	0.226	0.2444	BASIN CREEK NORTH
cjw091108_25	1,214,895.909	2,307,303.100	9/17/2008	3.79989	0.0010	5.8091	786.5	31.5	17-09-2008 09:24:06	15.737	0.004	24.058	0.2415	BASIN CREEK NORTH
cjw091108_26	1,214,605.790	2,307,599.372	9/17/2008	0.00000	0.0027	0.0888	789.3	32.1	17-09-2008 09:35:13	0.000	0.011	0.367	0.2418	BASIN CREEK NORTH
cjw091108_27	1,214,393.887	2,307,615.767	9/17/2008	0.00000	0.0036	0.3478	789.0	32.2	17-09-2008 09:42:57	-0.001	0.015	1.439	0.2417	BASIN CREEK NORTH
cjw091108_28	1,214,199.314	2,307,604.294	9/17/2008	0.00097	0.0027	0.1300	789.1	32.4	17-09-2008 09:50:26	0.004	0.011	0.538	0.2415	BASIN CREEK NORTH
cjw091108_29	1,214,199.054	2,307,796.689	9/17/2008	0.00000	0.0017	0.0411	790.4	32.8	17-09-2008 09:55:54	0.000	0.007	0.170	0.2416	BASIN CREEK NORTH
cjw091108_30	1,213,999.168	2,307,801.221	9/17/2008	0.00145	0.0024	0.0484	793.0	33.4	17-09-2008 10:04:37	0.006	0.010	0.200	0.2419	BASIN CREEK NORTH
cjw091108_31	1,213,983.004	2,307,997.514	9/17/2008	0.00000	0.0027	0.1898	793.0	34.0	17-09-2008 10:15:43	0.000	0.011	0.786	0.2415	BASIN CREEK NORTH
cjw091108_32	1,213,989.143	2,308,197.146	9/17/2008	0.00000	0.0017	0.0723	795.1	34.2	17-09-2008 10:24:22	0.000	0.007	0.299	0.2420	BASIN CREEK NORTH
cjw091108_33	1,214,002.262	2,308,404.114	9/17/2008	0.00896	0.0015	0.0242	796.4	34.4	17-09-2008 10:30:22	0.037	0.006	0.100	0.2422	BASIN CREEK NORTH
cjw091108_34	1,214,191.354	2,308,610.842	9/17/2008	0.00000	0.0010	0.0230	796.3	34.7	17-09-2008 10:36:28	0.000	0.004	0.095	0.2419	BASIN CREEK NORTH
cjw091108_35	1,214,202.466	2,308,400.995	9/17/2008	0.00000	0.0073	0.1944	798.0	34.8	17-09-2008 10:45:10	0.000	0.030	0.802	0.2424	BASIN CREEK NORTH
cjw091108_36	1,214,219.345	2,308,235.749	9/17/2008	0.00024	0.0007	0.0580	799.1	35.0	17-09-2008 10:53:18	0.001	0.003	0.239	0.2425	BASIN CREEK NORTH
cjw091108_37	1,214,196.079	2,308,017.297	9/17/2008	0.10423	0.0068	0.2266	797.5	35.3	17-09-2008 10:59:21	0.431	0.028	0.937	0.2418	BASIN CREEK NORTH
cjw091108_38	1,214,399.931	2,308,016.606	9/17/2008	0.00771	0.0012	0.0891	795.4	35.8	17-09-2008 11:06:03	0.032	0.005	0.370	0.2408	BASIN CREEK NORTH
cjw091108_39	1,214,408.094	2,307,815.607	9/17/2008	0.03023	0.0055	0.0926	793.9	36.3	17-09-2008 11:11:56	0.126	0.023	0.386	0.2400	BASIN CREEK NORTH
cjw091108_40	1,214,587.753	2,307,814.443	9/17/2008	0.00000	0.0014	0.0084	792.1	36.8	17-09-2008 11:18:10	0.000	0.006	0.035	0.2390	BASIN CREEK NORTH
cjw091108_41	1,214,793.869	2,307,618.617	9/17/2008	0.00000	0.0012	0.1228	794.3	37.3	17-09-2008 11:25:45	0.000	0.005	0.513	0.2393	BASIN CREEK NORTH
cjw091108_42	1,214,996.992	2,307,619.488	9/17/2008	0.01563	0.0078	0.1246	787.7	37.9	17-09-2008 11:33:14	0.066	0.033	0.526	0.2369	BASIN CREEK NORTH
cjw091108_43	1,214,790.939	2,307,804.962	9/17/2008	0.01188	0.0012	0.0549	791.0	38.3	17-09-2008 11:39:24	0.050	0.005	0.231	0.2375	BASIN CREEK NORTH
cjw091108_44	1,214,987.730	2,307,825.718	9/17/2008	0.00475	0.0085	0.3024	791.1	38.6	17-09-2008 11:47:54	0.020	0.036	1.274	0.2373	BASIN CREEK NORTH
cjw091108_45	1,214,801.769	2,308,013.852	9/17/2008	0.16591	0.0071	0.1966	793.9	38.8	17-09-2008 11:54:04	0.697	0.030	0.826	0.2380	BASIN CREEK NORTH
cjw091108_46	1,214,789.649	2,308,209.840	9/17/2008	0.00072	0.0017	0.2090	795.0	38.8	17-09-2008 11:58:37	0.003	0.007	0.877	0.2384	BASIN CREEK NORTH
cjw091108_47	1,214,585.397	2,308,220.955	9/17/2008	0.00048	0.0045	0.2071	796.6	38.7	17-09-2008 12:06:48	0.002	0.019	0.867	0.2389	BASIN CREEK NORTH
cjw091108_48	1,214,604.093	2,308,022.980	9/17/2008	0.00000	0.0093	0.1919	795.9	38.8	17-09-2008 12:12:22	0.000	0.039	0.804	0.2386	BASIN CREEK NORTH
cjw091108_49	1,214,404.242	2,308,195.602	9/17/2008	0.00784	0.0078	0.2036	792.4	38.8	17-09-2008 12:17:43	0.033	0.033	0.857	0.2376	BASIN CREEK NORTH
cjw091108_50	1,214,399.171	2,308,393.952	9/17/2008	0.00048	0.0057	0.0756	795.8	39.0	17-09-2008 12:21:50	0.002	0.024	0.317	0.2384	BASIN CREEK NORTH
cjw091108_51	1,214,401.625	2,308,599.111	9/17/2008	0.00000	0.0014	0.1137	799.4	39.1	17-09-2008 12:25:02	0.000	0.006	0.475	0.2394	BASIN CREEK NORTH
cjw091108_52	1,214,615.180	2,308,401.338	9/17/2008	0.00000	0.0024	0.0652	800.9	39.2	17-09-2008 12:29:51	0.000	0.010	0.272	0.2398	BASIN CREEK NORTH
cjw091108_53	1,214,592.709	2,308,606.542	9/17/2008	0.00000	0.0069	0.1319	798.6	39.4	17-09-2008 12:33:33	0.000	0.029	0.552	0.2390	BASIN CREEK NORTH
cj1	1,214,569.236	2,310,170.315	6/2/2008	0.03607	0.0067	0.2820	803.53	39.4145	02-06-2008 13:05:53	0.150	0.028	1.173	0.2404	CARBON JUNCTION
cj10	1,214,468.393	2,310,253.616	6/2/2008	2.22676	0.0029	1.5809	803.6	42.5452	02-06-2008 14:28:40	9.353	0.012	6.640	0.2381	CARBON JUNCTION
cj11	1,215,136.829	2,310,361.678	6/2/2008	0.06537	0.0040	0.4485	804.81	43.529	02-06-2008 14:47:28	0.275	0.017	1.887	0.2377	CARBON JUNCTION
cj12	1,215,155.342	2,310,167.838	6/2/2008	0.00000	0.0000	0.0000	802.25	n.a.	02-06-2008 14:58:39	0.218	0.005	2.782	0.0000	CARBON JUNCTION
cj13	1,215,149.533	2,309,949.510	6/2/2008	0.00000	0.0000	0.0000	801.58	n.a.	02-06-2008 15:10:32	0.315	0.027	0.476	0.0000	CARBON JUNCTION
cj14	1,214,946.774	2,309,970.828	6/2/2008	0.00000	0.0000	0.0000	801.31	n.a.	02-06-2008 15:19:12	0.000	0.006	0.484	0.0000	CARBON JUNCTION
cj15	1,215,554.066	2,310,574.434	6/4/2008	0.00000	0.0000	0.0000	795.88	n.a.	04-06-2008 08:47:24	0.248	0.003	0.509	0.0000	CARBON JUNCTION
cj16	1,215,359.263	2,310,597.469	6/4/2008	0.00000	0.0000	0.0000	807.34	n.a.	04-06-2008 09:01:23	0.295	0.002	0.603	0.0000	CARBON JUNCTION
cj17	1,215,361.213	2,310,763.442	6/4/2008	0.00000	0.0000	0.0000	794.94	n.a.	04-06-2008 09:14:38	0.224	0.001	0.055	0.0000	CARBON JUNCTION
cj18	1,215,144.267	2,310,578.862	6/4/2008	0.00000	0.0000	0.0000	796.15	n.a.	04-06-2008 09:37:55	0.182	0.001	0.390	0.0000	CARBON JUNCTION
cj2	1,214,367.965	2,310,160.750	6/2/2008	7.33316	0.0022	1.8674	803.6	40.0317	02-06-2008 13:16:03	30.556	0.009	7.781	0.2400	CARBON JUNCTION
cj20	1,215,145.995	2,310,741.684	6/4/2008	0.00000	0.0000	0.0000	794.67	n.a.	04-06-2008 10:00:13	0.060	0.003	0.500	0.0000	CARBON JUNCTION
cj22	1,214,954.291	2,310,569.842	6/4/2008	0.00000	0.0000	0.0000	796.02	n.a.	04-06-2008 10:14:06	0.226	0.004	0.647	0.0000	CARBON JUNCTION
cj23	1,214,742.944	2,310,536.074	6/4/2008	0.00000	0.0000	0.0000	795.75	n.a.	04-06-2008 10:25:49	0.179	0.009	0.209	0.0000	CARBON JUNCTION
cj24	1,214,515.524	2,310,540.833	6/4/2008	0.06218	0.0029	0.1558	795.88	36.8879	04-06-2008 10:40:35	0.259	0.012	0.649	0.2401	CARBON JUNCTION
cj25	1,214,353.111	2,310,566.043	6/4/2008	0.03902	0.0010	0.1877	795.35	37.5599	04-06-2008 10:51:18	0.163	0.004	0.784	0.2394	CARBON JUNCTION
cj26	1,214,149.338	2,310,601.263	6/4/2008	0.00000	0.0010	0.2640	795.08	37.5581	04-06-2008 11:01:00	0.000	0.004	1.103	0.2393	CARBON JUNCTION
cj27	1,214,754.607	2,310,755.064	6/4/2008	0.02355	0.0007	0.0742	792.78	35.4733	04-06-2008 12:48:06	0.098	0.003	0.309	0.2403	CARBON JUNCTION
cj29	1,214,562.416	2,310,765.895	6/4/2008	0.08043	0.0007	0.0519	794.13	37.1407	04-06-2008 12:57:20	0.336	0.003	0.217	0.2394	CARBON JUNCTION
cj3	1,214,165.853	2,310,178.455	6/2/2008	0.02228	0.0034	0.0870	803.06	40.3078	02-06-2008 13:24:28	0.093	0.014	0.363	0.2396	CARBON JUNCTION
cj30	1,214,348.774	2,310,764.873	6/4/2008	0.06546	0.0012	0.0724	792.11	38.0904	04-06-2008 13:06:02	0.275	0.005	0.304	0.2380	CARBON JUNCTION
cj31	1,214,144.549	2,310,768.567	6/4/2008	0.10191	0.0012	0.0470	791.57	38.5146	04-06-2008 13:15:02	0.429	0.005	0.198	0.2375	CARBON JUNCTION
cj35	1,214,383.753	2,310,878.655	6/4/2008	0.00000	0.0034	0.9953	802.76	38.4136	04-06-2008 13:35:04	0.000	0.014	4.130	0.2410	CARBON JUNCTION
cj36	1,214,565.874	2,310,933.037	6/4/2008	0.00024	0.0021	0.6441	790.63	37.7507	04-06-2008 13:46:52	0.001	0.009	2.708	0.2379	CARBON JUNCTION
cj37	1,214,750.265	2,310,955.976	6/4/2008	0.00000	0.0005	0.0162	790.76	37.2565	04-06-2008 13:55:33	0.000	0.002	0.068	0.2383	CARBON JUNCTION
cj38	1,215,169.090	2,310,961.364	12/16/2007	2.87299	0.0000	0.0000	807.48	27.7103	16-12-2007 22:57:23	11.445	0.000	0.000	0.2510	CARBON JUNCTION

cj39	1,214,945.820	2,311,158.467	12/16/2007	0.05678	0.0015	0.0974	806.94	29.9182	16-12-2007 23:07:52	0.228	0.006	0.391	0.2490	CARBON JUNCTION
cj4	1,214,156.814	2,310,348.445	6/2/2008	0.01440	0.0026	0.4966	804.54	40.4861	02-06-2008 13:34:10	0.060	0.011	2.070	0.2399	CARBON JUNCTION
cj40	1,214,946.933	2,310,967.463	12/16/2007	0.07425	0.0005	0.0680	808.15	31.2153	16-12-2007 23:17:22	0.299	0.002	0.274	0.2483	CARBON JUNCTION
cj41	1,214,766.244	2,311,153.714	12/16/2007	0.04026	0.0007	0.0571	806.26	32.1593	16-12-2007 23:26:29	0.163	0.003	0.231	0.2470	CARBON JUNCTION
cj43	1,215,953.378	2,310,945.925	12/16/2007	0.07659	0.0010	0.1365	806.94	34.2873	16-12-2007 23:55:36	0.312	0.004	0.556	0.2455	CARBON JUNCTION
cj44	1,215,950.502	2,311,156.126	12/16/2007	0.00000	0.0022	0.2496	806.8	34.9742	16-12-2007 00:07:25	0.000	0.009	1.019	0.2449	CARBON JUNCTION
cj45	1,215,946.059	2,311,354.303	12/16/2007	13.06070	0.0034	1.0298	806.8	35.1963	16-12-2007 00:17:24	53.369	0.014	4.208	0.2447	CARBON JUNCTION
cj46	1,215,942.234	2,311,561.685	12/16/2007	0.00000	0.0024	0.1064	806.8	35.4478	16-12-2007 00:28:02	0.000	0.010	0.435	0.2445	CARBON JUNCTION
cj47	1,215,957.998	2,311,757.329	12/16/2007	0.04335	0.0010	0.0390	799.79	35.7239	16-12-2007 00:37:35	0.179	0.004	0.161	0.2422	CARBON JUNCTION
cj48	1,215,950.129	2,311,960.475	12/16/2007	0.07302	0.0019	0.0355	799.39	36.0545	16-12-2007 00:46:33	0.302	0.008	0.147	0.2418	CARBON JUNCTION
cj49	1,215,757.455	2,311,750.606	12/16/2007	0.48408	0.0027	0.0382	799.39	36.3735	16-12-2007 00:58:15	2.004	0.011	0.158	0.2416	CARBON JUNCTION
cj5	1,214,344.885	2,310,347.219	6/2/2008	0.09542	0.0026	0.3534	804.68	40.7806	02-06-2008 13:41:47	0.398	0.011	1.474	0.2397	CARBON JUNCTION
cj50	1,215,554.762	2,311,358.466	12/17/2007	0.04229	0.0020	0.3816	805.18	31.3867	17-12-2007 01:39:44	0.171	0.008	1.543	0.2473	CARBON JUNCTION
cj51	1,215,346.477	2,311,383.534	12/17/2007	0.07179	0.0012	0.0637	805.18	34.2083	17-12-2007 01:54:12	0.293	0.005	0.260	0.2450	CARBON JUNCTION
cj52	1,215,751.531	2,311,365.435	12/17/2007	0.08492	0.0019	0.0000	803.74	35.7817	17-12-2007 02:06:31	0.349	0.008	-0.077	0.2433	CARBON JUNCTION
cj53	1,215,743.153	2,311,578.287	12/17/2007	0.13948	0.0027	0.0583	813.85	37.3844	17-12-2007 02:21:28	0.569	0.011	0.238	0.2451	CARBON JUNCTION
cj54	1,215,538.186	2,311,755.914	12/17/2007	0.07941	0.0012	0.0457	801.85	38.5156	17-12-2007 02:34:38	0.330	0.005	0.190	0.2406	CARBON JUNCTION
cj55	1,215,553.120	2,311,562.942	12/17/2007	0.13397	0.0015	0.1272	805.59	37.8754	17-12-2007 00:03:34	0.553	0.006	0.525	0.2423	CARBON JUNCTION
cj6	1,214,547.986	2,310,340.512	6/2/2008	0.02538	0.0024	0.3855	804.41	41.0536	02-06-2008 13:49:23	0.106	0.010	1.610	0.2395	CARBON JUNCTION
cj7	1,214,746.306	2,310,311.278	6/2/2008	0.07006	0.0012	0.4101	804.41	41.5039	02-06-2008 14:01:38	0.293	0.005	1.715	0.2391	CARBON JUNCTION
cj8	1,214,953.290	2,310,174.677	6/2/2008	0.65714	0.0029	0.8402	803.2	42.0257	02-06-2008 14:13:39	2.757	0.012	3.525	0.2384	CARBON JUNCTION
cj9	1,214,753.159	2,310,162.587	6/2/2008	0.06262	0.0026	0.5100	803.06	42.2958	02-06-2008 14:22:20	0.263	0.011	2.142	0.2381	CARBON JUNCTION
cje01	1,215,942.769	2,310,561.640	12/18/2007	0.04769	0.0024	0.1667	804.95	39.4303	18-12-2007 00:19:48	0.198	0.010	0.692	0.2409	CARBON JUNCTION
cje02	1,215,953.786	2,310,760.496	12/18/2007	0.05693	0.0014	0.1809	804.54	40.0844	18-12-2007 00:28:16	0.237	0.006	0.753	0.2402	CARBON JUNCTION
cje03	1,216,145.616	2,310,761.737	12/18/2007	0.03720	0.0017	0.0732	804.54	40.3818	18-12-2007 00:40:27	0.155	0.007	0.305	0.2400	CARBON JUNCTION
cje04	1,216,165.793	2,310,978.164	12/18/2007	0.04337	0.0012	0.0721	803.6	40.5119	18-12-2007 00:54:48	0.181	0.005	0.301	0.2396	CARBON JUNCTION
cje05	1,216,153.383	2,311,169.515	12/18/2007	0.06386	0.0010	0.0497	802.66	40.7482	18-12-2007 01:10:48	0.267	0.004	0.208	0.2392	CARBON JUNCTION
cje06	1,216,153.120	2,311,362.942	12/18/2007	0.05719	0.0019	0.0778	815.46	41.6111	18-12-2007 01:23:42	0.236	0.008	0.321	0.2423	CARBON JUNCTION
cje08	1,216,132.737	2,311,409.211	12/18/2007	78.13450	0.0009	7.1324	799.02	42.0889	18-12-2007 01:31:25	329.590	0.004	30.086	0.2371	CARBON JUNCTION
cje09	1,216,147.156	2,311,556.962	12/18/2007	0.10769	0.0028	0.2935	799.02	42.6149	18-12-2007 01:40:49	0.455	0.012	1.240	0.2367	CARBON JUNCTION
cje10	1,216,149.454	2,311,766.351	12/18/2007	0.05203	0.0016	0.1090	796.86	43.4089	18-12-2007 01:51:19	0.221	0.007	0.463	0.2354	CARBON JUNCTION
cje11	1,216,349.897	2,311,750.175	12/18/2007	0.22219	0.0035	1.4543	796.86	44.1728	18-12-2007 02:06:39	0.946	0.015	6.192	0.2349	CARBON JUNCTION
cje12	1,216,353.120	2,311,562.942	12/18/2007	0.03852	0.0023	0.3307	798.75	44.9442	18-12-2007 02:19:36	0.164	0.010	1.408	0.2349	CARBON JUNCTION
cje13	1,216,353.120	2,311,362.942	12/18/2007	0.08796	0.0087	0.3181	798.75	45.3424	18-12-2007 02:29:27	0.375	0.037	1.356	0.2346	CARBON JUNCTION
cje14	1,216,353.120	2,311,162.942	12/18/2007	0.04617	0.0023	0.0206	798.75	45.5831	18-12-2007 02:38:27	0.197	0.010	0.088	0.2344	CARBON JUNCTION
cje15	1,216,560.988	2,311,358.806	12/18/2007	0.09717	0.0007	0.0354	799.79	30.9219	18-12-2007 23:23:35	0.395	0.003	0.144	0.2460	CARBON JUNCTION
cje16	1,216,571.847	2,311,564.152	12/18/2007	0.08328	0.0007	0.0923	799.79	32.2611	18-12-2007 23:34:18	0.340	0.003	0.377	0.2449	CARBON JUNCTION
cje17	1,216,550.209	2,311,759.852	12/18/2007	0.05687	0.0002	0.1696	799.79	33.3512	18-12-2007 23:46:26	0.233	0.001	0.695	0.2441	CARBON JUNCTION
cje18	1,216,556.087	2,311,958.846	12/18/2007	0.05150	0.0007	0.0907	793.59	33.8344	18-12-2007 23:59:43	0.213	0.003	0.375	0.2418	CARBON JUNCTION
cje19	1,216,548.200	2,312,161.793	12/18/2007	0.04174	0.0005	0.0688	793.59	34.4605	18-12-2007 00:21:58	0.173	0.002	0.285	0.2413	CARBON JUNCTION
cje20	1,216,556.998	2,312,356.386	12/18/2007	0.24930	0.0005	0.0909	803.97	34.5093	18-12-2007 00:31:45	1.020	0.002	0.372	0.2444	CARBON JUNCTION
cje21	1,216,356.326	2,312,157.612	12/19/2007	0.00000	0.0022	0.1200	791.03	34.5548	19-12-2007 00:40:51	0.000	0.009	0.499	0.2404	CARBON JUNCTION
cje22	1,216,367.626	2,311,971.596	12/19/2007	0.03340	0.0024	0.0738	791.03	34.7231	19-12-2007 00:50:28	0.139	0.010	0.307	0.2403	CARBON JUNCTION
cje23	1,216,158.859	2,311,963.947	12/19/2007	0.05579	0.0024	0.1585	792.78	35.2096	19-12-2007 01:01:22	0.232	0.010	0.659	0.2405	CARBON JUNCTION
cje24	1,216,752.684	2,311,568.965	12/19/2007	0.13880	0.0005	0.1763	796.69	30.715	19-12-2007 01:55:34	0.566	0.002	0.719	0.2452	CARBON JUNCTION
cje25	1,216,953.525	2,311,567.102	12/19/2007	0.08823	0.0022	0.0168	796.69	33.4193	19-12-2007 02:06:39	0.363	0.009	0.069	0.2431	CARBON JUNCTION
cje26	1,217,150.737	2,311,766.637	12/19/2007	0.03025	0.0005	0.0220	796.69	34.7635	19-12-2007 02:16:14	0.125	0.002	0.091	0.2420	CARBON JUNCTION
cje27	1,217,353.120	2,311,962.942	12/19/2007	0.08969	0.0007	0.0533	796.69	35.899	19-12-2007 02:25:39	0.372	0.003	0.221	0.2411	CARBON JUNCTION
cje28	1,217,553.120	2,312,162.942	12/19/2007	0.11068	0.0007	0.0711	796.69	37.2276	19-12-2007 02:35:31	0.461	0.003	0.296	0.2401	CARBON JUNCTION
cje29	1,217,746.329	2,312,354.865	12/19/2007	0.08784	0.0014	0.0951	803.87	38.4099	19-12-2007 02:45:34	0.364	0.006	0.394	0.2413	CARBON JUNCTION
cje30	1,217,740.580	2,312,557.561	12/19/2007	0.08926	0.0007	0.4847	793.09	40.1355	19-12-2007 03:01:14	0.377	0.003	2.047	0.2368	CARBON JUNCTION
cje31	1,217,544.951	2,312,346.715	12/19/2007	0.03436	0.0007	0.0673	796.19	41.0927	19-12-2007 03:17:50	0.145	0.003	0.284	0.2370	CARBON JUNCTION
cje32	1,217,355.708	2,312,152.844	12/19/2007	0.00000	0.0009	0.0420	796.19	40.89	19-12-2007 03:29:13	-0.013	0.004	0.177	0.2371	CARBON JUNCTION
cje33	1,217,156.665	2,311,965.575	12/19/2007	0.00000	0.0014	0.0143	797.67	40.6056	19-12-2007 03:40:09	-0.219	0.006	0.060	0.2378	CARBON JUNCTION
cje34	1,216,954.653	2,311,960.924	12/19/2007	0.04182	0.0012	0.4793	796.59	40.4	19-12-2007 03:50:56	0.176	0.005	2.017	0.2376	CARBON JUNCTION
cje35	1,216,945.333	2,311,751.717	12/19/2007	0.00000	0.0012	0.1080	796.59	40.1937	19-12-2007 04:02:33	0.000	0.005	0.454	0.2378	CARBON JUNCTION
cje36	1,216,754.352	2,311,743.237	12/19/2007	0.00000	0.0024	0.0505	796.59	39.8585	19-12-2007 04:11:29	0.000	0.010	0.212	0.2380	CARBON JUNCTION

cje37	1,216,753.459	2,311,961.978	12/19/2007	0.00000	0.0007	0.0292	798.34	39.195	19-12-2007 04:23:51	0.000	0.003	0.122	0.2391	CARBON JUNCTION
cje38	1,216,753.120	2,312,162.942	12/20/2007	0.00000	0.0017	0.2560	795.75	34.4617	20-12-2007 00:34:27	0.000	0.007	1.058	0.2420	CARBON JUNCTION
cje39	1,216,753.120	2,312,362.942	12/20/2007	0.00000	0.0017	0.0232	795.75	35.4503	20-12-2007 00:42:10	0.000	0.007	0.096	0.2412	CARBON JUNCTION
cje40	1,216,962.433	2,312,372.127	12/20/2007	0.00000	0.0007	0.0588	796.05	35.9149	20-12-2007 00:48:56	0.000	0.003	0.244	0.2409	CARBON JUNCTION
cje41	1,216,952.546	2,312,563.983	12/20/2007	0.04795	0.0019	0.0200	797	36.2424	20-12-2007 00:56:58	0.199	0.008	0.083	0.2409	CARBON JUNCTION
cje42	1,217,153.123	2,312,555.093	12/20/2007	0.00096	0.0012	0.1064	796.86	36.4781	20-12-2007 01:05:00	0.004	0.005	0.442	0.2407	CARBON JUNCTION
cje43	1,217,152.352	2,312,763.583	12/20/2007	0.00000	0.0010	0.0670	795.65	36.6444	20-12-2007 01:12:58	0.000	0.004	0.279	0.2402	CARBON JUNCTION
cje44	1,217,351.130	2,312,571.440	12/20/2007	0.00000	0.0046	0.1081	795.21	36.6	20-12-2007 01:21:35	0.000	0.019	0.450	0.2401	CARBON JUNCTION
cje45	1,217,345.608	2,312,766.578	12/20/2007	0.00000	0.0010	0.0139	795.75	36.6	20-12-2007 01:28:58	0.000	0.004	0.058	0.2403	CARBON JUNCTION
cje46	1,217,345.632	2,312,962.382	12/20/2007	0.00000	0.0002	0.0000	795.04	29.7546	20-12-2007 03:36:15	0.000	0.001	-0.051	0.2455	CARBON JUNCTION
cje47	1,217,341.618	2,313,162.388	12/20/2007	0.04626	0.0015	0.0947	795.04	32.2545	20-12-2007 03:44:34	0.190	0.006	0.389	0.2435	CARBON JUNCTION
cje48	1,217,549.271	2,313,159.114	12/20/2007	0.29983	0.0012	0.1068	795.04	33.8848	20-12-2007 03:52:37	1.238	0.005	0.441	0.2422	CARBON JUNCTION
cje49	1,217,755.179	2,313,162.864	12/20/2007	0.09489	0.0031	0.2876	795.35	34.9292	20-12-2007 04:00:35	0.393	0.013	1.191	0.2415	CARBON JUNCTION
cje50	1,217,746.744	2,312,955.989	12/20/2007	0.09867	0.0007	0.1586	794.67	35.7017	20-12-2007 04:08:17	0.410	0.003	0.659	0.2407	CARBON JUNCTION
cje51	1,217,749.298	2,312,755.056	12/20/2007	0.08896	0.0022	0.1441	795.61	37.1903	20-12-2007 04:22:07	0.371	0.009	0.601	0.2398	CARBON JUNCTION
cje52	1,217,557.118	2,312,948.875	12/20/2007	0.07176	0.0017	0.2694	803.7	37.9714	20-12-2007 04:32:08	0.297	0.007	1.115	0.2416	CARBON JUNCTION
cje53	1,217,538.552	2,312,761.714	12/20/2007	0.00821	0.0005	0.2707	803.84	38.2354	20-12-2007 04:40:13	0.034	0.002	1.121	0.2414	CARBON JUNCTION
cje54	1,217,552.745	2,312,554.690	12/20/2007	0.41179	0.0021	0.2979	795.21	38.232	20-12-2007 04:51:27	1.724	0.009	1.247	0.2389	CARBON JUNCTION
cje55	1,217,361.236	2,312,363.870	12/20/2007	0.00000	0.0010	0.1120	797.37	38.3483	20-12-2007 05:03:08	0.000	0.004	0.468	0.2394	CARBON JUNCTION
cje56	1,217,153.744	2,312,316.702	12/20/2007	0.28842	0.0014	0.0441	798.18	38.4858	20-12-2007 05:10:59	1.204	0.006	0.184	0.2396	CARBON JUNCTION
cjw01	1,215,356.635	2,309,973.196	12/19/2007	0.03639	0.0008	0.2033	804.91	22.6609	19-12-2007 21:57:53	0.143	0.003	0.799	0.2545	CARBON JUNCTION
cjw02	1,214,750.373	2,309,958.871	12/19/2007	0.07627	0.0005	0.0632	803.84	25.5521	19-12-2007 22:07:56	0.303	0.002	0.251	0.2517	CARBON JUNCTION
cjw03	1,214,548.518	2,309,959.113	12/19/2007	0.15404	0.0017	0.1406	803.43	27.843	19-12-2007 22:17:25	0.617	0.007	0.563	0.2497	CARBON JUNCTION
cjw04	1,214,355.806	2,309,964.453	12/19/2007	0.14819	0.0025	0.1003	803.43	29.5733	19-12-2007 22:25:09	0.597	0.010	0.404	0.2482	CARBON JUNCTION
cjw05	1,214,371.128	2,309,778.301	12/19/2007	0.12670	0.0010	0.1139	802.62	31.9954	19-12-2007 22:36:43	0.515	0.004	0.463	0.2460	CARBON JUNCTION
cjw06	1,214,357.026	2,309,577.477	12/19/2007	0.19890	0.0005	0.0830	801.01	34.5797	19-12-2007 22:51:50	0.817	0.002	0.341	0.2435	CARBON JUNCTION
cjw07	1,214,352.443	2,309,358.170	12/19/2007	0.08402	0.0019	0.1193	798.04	35.996	19-12-2007 23:01:57	0.348	0.008	0.494	0.2414	CARBON JUNCTION
cjw08	1,214,336.839	2,309,153.803	12/19/2007	0.08526	0.0029	0.1118	794.27	37.0237	19-12-2007 23:13:19	0.356	0.012	0.467	0.2395	CARBON JUNCTION
cjw09	1,214,553.654	2,309,171.402	12/19/2007	0.00716	0.0014	0.1101	794.57	38.0652	19-12-2007 23:26:49	0.030	0.006	0.461	0.2388	CARBON JUNCTION
cjw10	1,214,744.598	2,309,163.819	12/19/2007	0.03711	0.0019	0.2279	797.8	38.5013	19-12-2007 23:35:52	0.155	0.008	0.952	0.2394	CARBON JUNCTION
cjw11	1,214,757.741	2,309,385.626	12/19/2007	0.00000	0.0014	0.0524	800.77	38.6	19-12-2007 23:44:51	-0.036	0.006	0.218	0.2402	CARBON JUNCTION
cjw12	1,214,657.130	2,309,368.799	12/19/2007	0.51100	0.0012	1.1889	800.77	38.7449	19-12-2007 23:54:02	2.128	0.005	4.951	0.2401	CARBON JUNCTION
cjw091108_01	1,214,793.134	2,309,801.287	9/11/2008	0.00000	0.0008	0.1998	804.5	21.4	11-09-2008 08:29:50	0.000	0.003	0.782	0.2555	CARBON JUNCTION
cjw091108_02	1,214,805.933	2,309,601.719	9/11/2008	0.00000	0.0013	0.0697	805.8	22.0	11-09-2008 08:36:07	0.000	0.005	0.273	0.2554	CARBON JUNCTION
cjw091108_03	1,214,613.188	2,309,011.362	9/11/2008	0.00658	0.0005	0.0197	803.3	23.8	11-09-2008 08:52:05	0.026	0.002	0.078	0.2530	CARBON JUNCTION
cjw091108_04	1,214,800.417	2,308,990.150	9/11/2008	0.16376	0.0008	0.0308	799.8	25.6	11-09-2008 09:03:24	0.654	0.003	0.123	0.2504	CARBON JUNCTION
cjw091108_05	1,214,806.238	2,308,806.152	9/11/2008	0.10363	0.0025	0.0478	798.1	26.5	11-09-2008 09:10:00	0.416	0.010	0.192	0.2491	CARBON JUNCTION
cjw091108_14	1,214,407.751	2,309,014.651	9/16/2008	0.00000	0.0030	0.0622	812.6	33.4	16-09-2008 14:31:42	0.000	0.012	0.251	0.2479	CARBON JUNCTION
cjw091108_15	1,214,208.150	2,308,993.159	9/16/2008	0.00000	0.0030	0.0477	808.7	34.3	16-09-2008 14:42:11	0.000	0.012	0.194	0.2460	CARBON JUNCTION
cjw091108_16	1,214,009.840	2,309,014.617	9/16/2008	0.00000	0.0015	0.0596	797.5	34.6	16-09-2008 14:47:47	0.000	0.006	0.246	0.2424	CARBON JUNCTION
cjw091108_17	1,213,994.789	2,308,802.909	9/16/2008	0.18053	0.0012	0.0356	798.9	35.2	16-09-2008 14:55:26	0.745	0.005	0.147	0.2423	CARBON JUNCTION
cjw091108_19	1,214,187.271	2,308,800.331	9/16/2008	0.00312	0.0034	0.0144	794.7	36.5	16-09-2008 15:11:25	0.013	0.014	0.060	0.2400	CARBON JUNCTION
cjw091108_20	1,214,400.829	2,308,800.114	9/16/2008	0.00000	0.0026	0.1874	797.3	36.9	16-09-2008 15:17:29	0.000	0.011	0.779	0.2405	CARBON JUNCTION
cjw091108_21	1,214,599.906	2,308,800.332	9/16/2008	0.00000	0.0014	0.0360	801.0	37.2	16-09-2008 15:21:54	0.000	0.006	0.149	0.2414	CARBON JUNCTION
or01	1,216,555.945	2,311,693.774	12/25/2007	12.28000	0.0032	0.8580	807	30.6894	25-12-2007 01:02:07	49.433	0.013	3.454	0.2484	CARBON JUNCTION
or02	1,216,953.120	2,312,162.942	12/25/2007	0.20681	0.0034	0.1073	807.07	34.9062	25-12-2007 01:16:02	0.844	0.014	0.438	0.2450	CARBON JUNCTION
or03	1,217,150.337	2,312,170.304	12/25/2007	0.08078	0.0019	0.0228	804.51	37.0383	25-12-2007 01:26:20	0.333	0.008	0.094	0.2426	CARBON JUNCTION
or04	1,218,005.244	2,313,201.287	12/25/2007	0.13041	0.0033	1.0784	798.75	39.6333	25-12-2007 01:43:09	0.546	0.014	4.515	0.2388	CARBON JUNCTION
or05	1,218,001.078	2,312,999.945	12/25/2007	0.05409	0.0055	0.1766	798.75	40.3728	25-12-2007 01:49:40	0.227	0.023	0.741	0.2383	CARBON JUNCTION
or06	1,218,000.000	2,312,800.000	12/25/2007	0.12769	0.0021	0.1990	799.29	41.246	25-12-2007 01:57:41	0.537	0.009	0.837	0.2378	CARBON JUNCTION
or07	1,218,000.000	2,312,600.000	12/25/2007	0.12501	0.0028	0.1767	799.96	42.2681	25-12-2007 02:06:01	0.527	0.012	0.745	0.2372	CARBON JUNCTION
or08	1,218,193.731	2,312,604.187	12/25/2007	0.03698	0.0021	0.1993	801.58	43.1428	25-12-2007 02:18:17	0.156	0.009	0.841	0.2370	CARBON JUNCTION
or78	1,218,400.000	2,312,800.000	6/24/2008	0.08046	0.0002	0.2899	799.9	36.5	24-06-2008 09:52:17	0.333	0.001	1.200	0.2416	CARBON JUNCTION
or79	1,218,405.480	2,312,998.152	6/24/2008	0.10101	0.0002	0.1514	800.2	37.3	24-06-2008 09:59:16	0.419	0.001	0.628	0.2411	CARBON JUNCTION
or80	1,218,400.687	2,313,197.577	6/24/2008	0.10290	0.0024	0.3070	800.1	38.1	24-06-2008 10:06:39	0.428	0.010	1.277	0.2404	CARBON JUNCTION
or81	1,218,403.997	2,313,399.904	6/24/2008	0.04580	0.0010	0.0077	799.0	38.5	24-06-2008 10:12:38	0.191	0.004	0.032	0.2398	CARBON JUNCTION
or82	1,218,401.050	2,313,594.901	6/24/2008	0.00000	0.0010	0.0901	799.0	38.7	24-06-2008 10:18:45	0.000	0.004	0.376	0.2396	CARBON JUNCTION

or83	1,218,402.221	2,313,793.066	6/24/2008	0.00000	0.0026	0.0681	802.6	38.7	24-06-2008 10:24:35	0.000	0.011	0.283	0.2407	CARBON JUNCTION
or84	1,218,204.947	2,313,801.201	6/24/2008	0.00000	0.0010	0.0254	798.7	38.7	24-06-2008 10:30:22	0.000	0.004	0.106	0.2395	CARBON JUNCTION
or85	1,218,205.442	2,313,600.247	6/24/2008	0.01700	0.0010	0.0790	798.4	38.7	24-06-2008 10:37:50	0.071	0.004	0.330	0.2395	CARBON JUNCTION
or86	1,218,199.246	2,313,411.918	6/24/2008	0.16911	0.0010	0.0774	798.9	38.8	24-06-2008 10:43:32	0.706	0.004	0.323	0.2395	CARBON JUNCTION
or87	1,218,205.907	2,313,207.214	6/24/2008	0.06154	0.0010	0.1537	798.9	38.9	24-06-2008 10:49:29	0.257	0.004	0.642	0.2395	CARBON JUNCTION
or88	1,218,209.763	2,313,005.301	6/24/2008	0.00120	0.0014	0.5286	800.0	39.0	24-06-2008 10:55:14	0.005	0.006	2.205	0.2397	CARBON JUNCTION
or89	1,218,211.490	2,312,808.749	6/24/2008	0.05438	0.0007	0.4034	799.8	39.1	24-06-2008 11:00:38	0.227	0.003	1.684	0.2396	CARBON JUNCTION
or90	1,217,996.660	2,313,414.077	6/24/2008	0.06144	0.0022	0.0863	799.4	39.6	24-06-2008 11:08:06	0.257	0.009	0.361	0.2391	CARBON JUNCTION
or91	1,217,998.455	2,313,598.770	6/24/2008	0.05633	0.0010	0.0492	798.9	39.9	24-06-2008 11:13:37	0.236	0.004	0.206	0.2387	CARBON JUNCTION
hg01	1,220,593.982	2,315,001.372	6/24/2008	0.11375	0.0043	0.1529	790.5	38.2	24-06-2008 12:15:26	0.479	0.018	0.644	0.2375	HORSE GULCH SOUTH
hg02	1,220,600.000	2,315,200.000	6/24/2008	0.07636	0.0010	0.0440	795.9	39.8	24-06-2008 12:23:55	0.321	0.004	0.185	0.2379	HORSE GULCH SOUTH
hg03	1,220,617.834	2,315,397.404	6/24/2008	0.16104	0.0045	0.0563	793.5	40.7	24-06-2008 12:32:54	0.681	0.019	0.238	0.2365	HORSE GULCH SOUTH
hg04	1,220,564.066	2,315,591.720	6/24/2008	0.07319	0.0085	0.3643	791.5	41.4	24-06-2008 12:40:04	0.311	0.036	1.548	0.2353	HORSE GULCH SOUTH
hg05	1,220,571.979	2,315,797.289	6/24/2008	0.02087	0.0049	0.1168	790.0	42.0	24-06-2008 12:47:29	0.089	0.021	0.498	0.2345	HORSE GULCH SOUTH
hg06	1,220,581.520	2,315,981.374	6/24/2008	0.14434	0.0054	0.1500	790.0	42.7	24-06-2008 12:55:00	0.617	0.023	0.641	0.2339	HORSE GULCH SOUTH
hg07	1,220,784.822	2,316,010.226	6/24/2008	0.16135	0.0051	0.2353	788.9	43.3	24-06-2008 13:01:46	0.692	0.022	1.009	0.2332	HORSE GULCH SOUTH
hg08	1,220,975.379	2,316,208.572	6/24/2008	0.07434	0.0021	0.0843	788.0	44.1	24-06-2008 13:09:28	0.320	0.009	0.363	0.2323	HORSE GULCH SOUTH
hg09	1,220,970.165	2,316,006.384	6/24/2008	0.15418	0.0035	0.1614	788.9	45.1	24-06-2008 13:18:48	0.665	0.015	0.696	0.2318	HORSE GULCH SOUTH
hg10	1,221,182.097	2,315,990.188	6/24/2008	0.02135	0.0026	0.1770	790.0	45.3	24-06-2008 13:26:54	0.092	0.011	0.763	0.2320	HORSE GULCH SOUTH
hg11	1,221,204.828	2,316,178.289	6/24/2008	0.11417	0.0047	11.3580	792.2	45.5	24-06-2008 13:37:37	0.491	0.020	48.846	0.2325	HORSE GULCH SOUTH
hg12	1,221,407.909	2,316,216.985	6/24/2008	0.09975	0.0030	0.1861	789.5	45.9	24-06-2008 13:47:15	0.431	0.013	0.804	0.2314	HORSE GULCH SOUTH
hg13	1,221,396.652	2,316,002.249	6/24/2008	0.04398	0.0039	0.0512	790.3	46.2	24-06-2008 13:55:33	0.190	0.017	0.221	0.2315	HORSE GULCH SOUTH
hg14	1,221,392.912	2,315,811.726	6/24/2008	0.14463	0.0037	0.0828	789.3	46.9	24-06-2008 14:05:09	0.627	0.016	0.359	0.2307	HORSE GULCH SOUTH
hg15	1,221,393.189	2,315,600.836	6/24/2008	0.00000	0.0055	0.2879	789.9	47.4	24-06-2008 14:12:24	0.000	0.024	1.249	0.2305	HORSE GULCH SOUTH
hg16	1,221,200.687	2,315,588.480	6/24/2008	0.09484	0.0021	0.2476	791.6	47.7	24-06-2008 14:18:47	0.411	0.009	1.073	0.2308	HORSE GULCH SOUTH
hg17	1,221,200.746	2,315,813.675	6/24/2008	0.12036	0.0007	0.0000	792.0	35.8	24-06-2008 16:14:10	0.502	0.003	-0.299	0.2398	HORSE GULCH SOUTH
hg18	1,220,994.574	2,315,786.971	6/24/2008	0.08537	0.0024	0.4076	789.1	37.2	24-06-2008 16:21:28	0.359	0.010	1.714	0.2378	HORSE GULCH SOUTH
hg19	1,220,969.725	2,315,590.910	6/24/2008	0.04869	0.0005	0.0857	790.9	38.3	24-06-2008 16:29:23	0.205	0.002	0.361	0.2375	HORSE GULCH SOUTH
hg20	1,220,808.960	2,315,609.864	6/24/2008	0.20679	0.0009	0.1129	791.2	38.9	24-06-2008 16:34:55	0.872	0.004	0.476	0.2371	HORSE GULCH SOUTH
hg21	1,220,795.387	2,315,210.575	6/25/2008	0.04353	0.0045	0.1271	795.8	26.1	25-06-2008 09:09:05	0.175	0.018	0.511	0.2487	HORSE GULCH SOUTH
hg22	1,220,794.080	2,315,408.501	6/25/2008	0.00000	0.0012	0.2192	800.5	27.8	25-06-2008 09:18:14	0.000	0.005	0.881	0.2488	HORSE GULCH SOUTH
hg23	1,220,804.783	2,315,799.310	6/25/2008	0.00000	0.0020	0.1162	793.2	28.8	25-06-2008 09:26:21	0.000	0.008	0.473	0.2457	HORSE GULCH SOUTH
hg24	1,221,596.781	2,316,391.357	6/25/2008	0.00000	0.0007	0.0427	787.9	30.5	25-06-2008 09:55:36	0.000	0.003	0.176	0.2427	HORSE GULCH SOUTH
hg25	1,221,618.560	2,316,202.816	6/25/2008	0.00000	0.0012	0.1945	798.0	31.1	25-06-2008 10:01:46	0.000	0.005	0.793	0.2453	HORSE GULCH SOUTH
hg26	1,221,598.704	2,316,001.053	6/25/2008	0.09654	0.0044	0.4347	790.6	31.7	25-06-2008 10:08:47	0.398	0.018	1.792	0.2426	HORSE GULCH SOUTH
hg27	1,221,598.512	2,315,795.191	6/25/2008	0.00000	0.0010	0.0663	788.9	32.8	25-06-2008 10:17:27	0.000	0.004	0.275	0.2412	HORSE GULCH SOUTH
hg28	1,221,783.738	2,315,820.495	6/25/2008	0.00000	0.0036	0.1680	791.2	33.5	25-06-2008 10:23:18	0.000	0.015	0.696	0.2413	HORSE GULCH SOUTH
hg29	1,221,795.927	2,316,003.803	6/25/2008	0.12175	0.0012	0.3718	792.0	34.1	25-06-2008 10:29:53	0.505	0.005	1.542	0.2411	HORSE GULCH SOUTH
hg30	1,221,805.264	2,316,203.134	6/25/2008	0.12418	0.0010	0.1249	789.3	34.8	25-06-2008 10:38:37	0.518	0.004	0.521	0.2397	HORSE GULCH SOUTH
hg31	1,221,799.704	2,316,408.860	6/25/2008	0.00000	0.0007	0.0944	787.8	35.1	25-06-2008 10:44:40	-0.073	0.003	0.395	0.2390	HORSE GULCH SOUTH
hg32	1,221,800.000	2,316,600.000	6/25/2008	0.00000	0.0002	0.0465	786.9	35.5	25-06-2008 10:51:06	0.000	0.001	0.195	0.2385	HORSE GULCH SOUTH
hg33	1,222,002.351	2,316,604.586	6/25/2008	0.00833	0.0005	0.0531	786.9	36.0	25-06-2008 10:57:41	0.035	0.002	0.223	0.2381	HORSE GULCH SOUTH
hg34	1,222,011.399	2,316,402.154	6/25/2008	0.00000	0.0012	0.0940	786.0	36.4	25-06-2008 11:02:10	0.000	0.005	0.396	0.2375	HORSE GULCH SOUTH
hg35	1,221,993.407	2,316,204.007	6/25/2008	0.00000	0.0007	0.1106	787.4	37.1	25-06-2008 11:08:46	0.000	0.003	0.466	0.2374	HORSE GULCH SOUTH
hg36	1,222,010.473	2,316,004.701	6/25/2008	0.00000	0.0005	0.1057	788.3	38.0	25-06-2008 11:16:51	0.000	0.002	0.446	0.2370	HORSE GULCH SOUTH
hg37	1,222,208.228	2,316,175.101	6/25/2008	0.00000	0.0012	3.7892	791.2	38.7	25-06-2008 11:24:25	0.000	0.005	15.968	0.2373	HORSE GULCH SOUTH
hg38	1,222,199.646	2,316,390.655	6/25/2008	0.04922	0.0014	0.1008	790.5	39.3	25-06-2008 11:32:40	0.208	0.006	0.426	0.2366	HORSE GULCH SOUTH
hg39	1,222,188.055	2,316,600.728	6/25/2008	0.00000	0.0012	0.0827	788.4	39.7	25-06-2008 11:38:36	0.000	0.005	0.351	0.2357	HORSE GULCH SOUTH
hg40	1,222,209.701	2,316,788.959	6/25/2008	0.00000	0.0075	0.1321	787.1	40.0	25-06-2008 11:43:41	0.000	0.032	0.562	0.2351	HORSE GULCH SOUTH
hg41	1,222,400.000	2,316,400.000	6/25/2008	0.00000	0.0002	0.0857	789.0	37.6	25-06-2008 12:50:33	0.000	0.001	0.361	0.2375	HORSE GULCH SOUTH
hg42	1,222,379.992	2,316,593.959	6/25/2008	0.00000	0.0017	0.1298	798.6	39.3	25-06-2008 12:57:40	0.000	0.007	0.543	0.2391	HORSE GULCH SOUTH
hg43	1,222,382.842	2,316,808.766	6/25/2008	0.00000	0.0050	0.2173	795.9	40.6	25-06-2008 13:05:31	0.000	0.021	0.916	0.2373	HORSE GULCH SOUTH
hg44	1,222,396.330	2,316,995.169	6/25/2008	0.00000	0.0009	0.0805	785.9	41.1	25-06-2008 13:10:07	0.000	0.004	0.344	0.2339	HORSE GULCH SOUTH
hg45	1,222,588.587	2,317,192.352	6/25/2008	0.00000	0.0014	0.1118	793.4	41.6	25-06-2008 13:16:38	0.000	0.006	0.474	0.2358	HORSE GULCH SOUTH
hg46	1,222,579.824	2,316,995.196	6/25/2008	0.07636	0.0007	0.0659	784.2	41.9	25-06-2008 13:24:11	0.328	0.003	0.283	0.2328	HORSE GULCH SOUTH
hg47	1,222,605.175	2,316,801.449	6/25/2008	0.00000	0.0007	0.1976	786.6	42.2	25-06-2008 13:30:16	0.000	0.003	0.847	0.2333	HORSE GULCH SOUTH
hg48	1,222,589.858	2,316,598.708	6/25/2008	0.00000	0.0012	0.1025	788.0	42.4	25-06-2008 13:35:19	0.000	0.005	0.439	0.2336	HORSE GULCH SOUTH

hg49	1,222,596.408	2,316,399.965	6/25/2008	0.00000	0.0014	0.2135	788.5	42.5	25-06-2008 13:40:51	0.000	0.006	0.914	0.2336	HORSE GULCH SOUTH
hg50	1,221,003.224	2,315,391.192	6/25/2008	0.00000	0.0033	0.0099	791.2	42.3	25-06-2008 13:53:29	0.000	0.014	0.042	0.2346	HORSE GULCH SOUTH
hg51	1,222,807.404	2,316,598.883	6/25/2008	0.00000	0.0002	0.0969	787.5	33.9	25-06-2008 16:06:49	0.000	0.001	0.404	0.2399	HORSE GULCH SOUTH
hg52	1,222,795.195	2,316,798.888	6/25/2008	0.00000	0.0012	0.0976	786.7	35.2	25-06-2008 16:11:40	0.000	0.005	0.409	0.2386	HORSE GULCH SOUTH
hg53	1,222,803.263	2,316,994.347	6/25/2008	0.11617	0.0057	0.2675	787.3	36.8	25-06-2008 16:18:10	0.489	0.024	1.126	0.2376	HORSE GULCH SOUTH
hg54	1,222,787.536	2,317,146.538	6/25/2008	0.08007	0.0009	0.2114	786.5	38.3	25-06-2008 16:26:36	0.339	0.004	0.895	0.2362	HORSE GULCH SOUTH
hg55	1,222,974.342	2,317,402.525	6/25/2008	0.00000	0.0012	0.2465	785.5	40.1	25-06-2008 16:40:28	0.000	0.005	1.051	0.2345	HORSE GULCH SOUTH
hg56	1,222,966.396	2,317,204.746	6/25/2008	0.00000	0.0012	0.1937	784.6	41.0	25-06-2008 16:49:08	0.000	0.005	0.829	0.2336	HORSE GULCH SOUTH
hg57	1,223,008.522	2,317,021.927	6/25/2008	0.00000	0.0009	3.0469	787.8	41.4	25-06-2008 16:53:44	0.000	0.004	13.007	0.2342	HORSE GULCH SOUTH
hg58	1,223,004.399	2,316,810.776	6/25/2008	0.01661	0.0021	0.0873	787.7	41.7	25-06-2008 16:59:36	0.071	0.009	0.373	0.2340	HORSE GULCH SOUTH
hg59	1,223,191.452	2,317,008.364	6/26/2008	0.00000	0.0042	0.1435	785.1	26.2	26-06-2008 10:45:06	0.000	0.017	0.585	0.2453	HORSE GULCH SOUTH
hg60	1,223,190.633	2,316,800.446	6/26/2008	0.14160	0.0000	0.1780	794.7	29.2	26-06-2008 10:53:09	0.576	0.000	0.724	0.2458	HORSE GULCH SOUTH
hg64	1,223,200.000	2,317,200.000	6/26/2008	0.00000	0.0005	0.0713	781.9	36.4	26-06-2008 11:22:24	0.000	0.002	0.302	0.2363	HORSE GULCH SOUTH
hg65	1,223,200.000	2,317,400.000	6/26/2008	0.12199	0.0021	0.1721	784.7	37.3	26-06-2008 11:29:10	0.516	0.009	0.728	0.2364	HORSE GULCH SOUTH
hg66	1,223,210.993	2,317,490.706	6/26/2008	0.00000	0.0009	0.2264	785.0	38.5	26-06-2008 11:36:45	0.000	0.004	0.961	0.2356	HORSE GULCH SOUTH
or09	1,220,006.396	2,314,193.216	12/25/2007	0.13253	0.0007	0.0593	795.11	41.6395	25-12-2007 04:49:59	0.561	0.003	0.251	0.2362	HORSE GULCH SOUTH
or10	1,220,200.305	2,314,396.441	12/25/2007	0.20157	0.0005	0.0532	794.5	27.3089	25-12-2007 12:15:51	0.815	0.002	0.215	0.2473	HORSE GULCH SOUTH
or11	1,220,200.852	2,314,595.573	12/25/2007	0.12897	0.0017	0.1615	795.21	29.0363	25-12-2007 22:22:58	0.524	0.007	0.656	0.2461	HORSE GULCH SOUTH
or12	1,220,196.523	2,314,797.641	12/25/2007	0.17830	0.0015	0.1230	795.21	30.9431	25-12-2007 22:30:39	0.729	0.006	0.503	0.2446	HORSE GULCH SOUTH
or13	1,220,193.977	2,314,994.618	12/25/2007	0.05305	0.0000	0.2071	794.27	32.0988	25-12-2007 22:36:58	0.218	0.000	0.851	0.2434	HORSE GULCH SOUTH
or14	1,220,208.112	2,315,195.279	12/25/2007	0.04531	0.0015	0.2678	793.19	33.0145	25-12-2007 22:44:01	0.187	0.006	1.105	0.2423	HORSE GULCH SOUTH
or15	1,220,195.750	2,315,389.342	12/25/2007	0.12747	0.0012	0.1226	794.03	33.8971	25-12-2007 22:52:08	0.527	0.005	0.507	0.2419	HORSE GULCH SOUTH
or16	1,220,209.018	2,315,597.864	12/25/2007	0.07388	0.0041	0.1960	802.76	34.768	25-12-2007 23:00:20	0.303	0.017	0.804	0.2438	HORSE GULCH SOUTH
or17	1,220,395.883	2,315,796.996	12/25/2007	0.06623	0.0026	0.3168	789.31	35.6137	25-12-2007 23:08:15	0.277	0.011	1.325	0.2391	HORSE GULCH SOUTH
or18	1,220,396.063	2,315,601.869	12/25/2007	0.16020	0.0050	0.1414	789.31	36.5278	25-12-2007 23:16:16	0.672	0.021	0.593	0.2384	HORSE GULCH SOUTH
or19	1,220,403.315	2,315,400.768	12/25/2007	0.16435	0.0021	8.0215	791.6	37.6811	25-12-2007 23:23:44	0.690	0.009	33.676	0.2382	HORSE GULCH SOUTH
or20	1,220,406.118	2,315,202.101	12/25/2007	0.07115	0.0028	0.7775	790.79	38.6918	25-12-2007 23:29:55	0.300	0.012	3.278	0.2372	HORSE GULCH SOUTH
or21	1,220,390.512	2,314,995.784	12/25/2007	0.13694	0.0017	0.0861	791.06	39.6804	25-12-2007 23:36:47	0.579	0.007	0.364	0.2365	HORSE GULCH SOUTH
or22	1,220,394.287	2,314,796.658	12/25/2007	0.12848	0.0024	0.2083	792.41	40.6635	25-12-2007 23:45:20	0.544	0.010	0.882	0.2362	HORSE GULCH SOUTH
or23	1,220,404.163	2,314,596.873	12/25/2007	0.05413	0.0007	0.0622	794.3	41.1158	25-12-2007 23:51:35	0.229	0.003	0.263	0.2364	HORSE GULCH SOUTH
or24	1,220,002.454	2,314,403.564	12/25/2007	0.00000	0.0000	0.0840	794.7	41.7768	25-12-2007 00:07:49	0.000	0.000	0.356	0.2360	HORSE GULCH SOUTH
or25	1,220,005.545	2,314,600.862	12/26/2007	0.00000	0.0009	0.1055	794.57	41.7909	26-12-2007 00:17:42	0.000	0.004	0.447	0.2360	HORSE GULCH SOUTH
or26	1,220,001.111	2,314,797.907	12/26/2007	0.00000	0.0000	0.0000	794.57	41.7996	26-12-2007 00:24:15	0.000	0.000	0.000	0.2360	HORSE GULCH SOUTH
or27	1,219,996.669	2,315,000.511	12/26/2007	0.00000	0.0000	0.0000	803.6	41.8	26-12-2007 00:30:50	0.000	0.000	0.000	0.2386	HORSE GULCH SOUTH
or28	1,219,988.726	2,315,229.169	12/26/2007	0.00306	0.0000	0.0000	791.87	41.9542	26-12-2007 00:39:12	0.013	0.000	0.000	0.2350	HORSE GULCH SOUTH
or29	1,220,000.000	2,315,400.000	12/26/2007	0.00000	0.0000	0.0000	791.2	42.3369	26-12-2007 00:47:19	0.000	0.000	0.000	0.2346	HORSE GULCH SOUTH
or30	1,219,799.820	2,315,193.094	12/26/2007	0.11274	0.0000	0.0000	789.72	42.6317	26-12-2007 00:55:01	0.482	0.000	0.000	0.2339	HORSE GULCH SOUTH
or31	1,219,806.636	2,315,012.339	12/26/2007	0.15658	0.0000	0.0000	789.72	42.9017	26-12-2007 01:03:06	0.670	0.000	0.000	0.2337	HORSE GULCH SOUTH
or32	1,219,797.203	2,314,801.595	12/26/2007	0.04186	0.0030	0.1317	790.79	43.1378	26-12-2007 01:10:25	0.179	0.013	0.563	0.2338	HORSE GULCH SOUTH
or33	1,219,790.088	2,314,594.554	12/26/2007	0.00821	0.0028	0.1482	793.36	43.2929	26-12-2007 01:16:24	0.035	0.012	0.632	0.2345	HORSE GULCH SOUTH
or34	1,219,792.250	2,314,401.539	12/26/2007	0.05297	0.0028	0.3567	793.09	43.3568	26-12-2007 01:24:31	0.226	0.012	1.522	0.2344	HORSE GULCH SOUTH
or35	1,219,791.338	2,314,198.677	12/26/2007	0.00000	0.0023	0.2128	793.09	43.3527	26-12-2007 01:30:49	0.000	0.010	0.908	0.2344	HORSE GULCH SOUTH
or36	1,219,794.852	2,314,001.206	12/26/2007	0.00000	0.0033	0.0542	793.76	43.3	26-12-2007 01:37:21	0.000	0.014	0.231	0.2346	HORSE GULCH SOUTH
or37	1,219,612.283	2,313,790.429	12/26/2007	0.04300	0.0033	0.0228	795.51	43.4788	26-12-2007 01:43:56	0.183	0.014	0.097	0.2350	HORSE GULCH SOUTH
or38	1,219,602.897	2,313,988.482	12/26/2007	0.02746	0.0019	0.2812	795.51	43.8103	26-12-2007 01:50:04	0.117	0.008	1.198	0.2347	HORSE GULCH SOUTH
or39	1,219,600.000	2,314,200.000	12/26/2007	0.00000	0.0012	16.5964	805.08	44.1421	26-12-2007 01:56:39	0.000	0.005	69.933	0.2373	HORSE GULCH SOUTH
or40	1,219,602.095	2,314,401.142	12/26/2007	0.05518	0.0030	0.0542	793.63	44.3108	26-12-2007 02:03:13	0.236	0.013	0.232	0.2338	HORSE GULCH SOUTH
or41	1,219,600.261	2,314,597.376	12/26/2007	0.00000	0.0030	0.0373	792.55	44.4764	26-12-2007 02:08:48	0.000	0.013	0.160	0.2334	HORSE GULCH SOUTH
or42	1,219,592.629	2,314,794.183	12/26/2007	0.06032	0.0040	0.0297	800.64	44.6789	26-12-2007 02:14:37	0.256	0.017	0.126	0.2356	HORSE GULCH SOUTH
or43	1,219,602.406	2,314,999.943	12/26/2007	0.00000	0.0042	0.0545	791.2	44.8	26-12-2007 02:20:42	0.000	0.018	0.234	0.2327	HORSE GULCH SOUTH
or44	1,219,395.660	2,314,795.907	12/26/2007	0.08930	0.0044	0.1439	790.93	44.9648	26-12-2007 02:27:06	0.384	0.019	0.619	0.2325	HORSE GULCH SOUTH
or45	1,219,394.340	2,314,593.183	12/26/2007	0.00000	0.0037	0.0340	792.01	45.164	26-12-2007 02:32:43	0.000	0.016	0.146	0.2327	HORSE GULCH SOUTH
or46	1,219,391.448	2,314,396.857	12/26/2007	0.02542	0.0049	0.0718	801.44	45.3618	26-12-2007 02:38:09	0.108	0.021	0.305	0.2353	HORSE GULCH SOUTH
or47	1,219,395.092	2,314,202.113	12/26/2007	0.01397	0.0005	0.0617	793.63	45.6759	26-12-2007 02:46:29	0.060	0.002	0.265	0.2328	HORSE GULCH SOUTH
or48	1,219,400.047	2,313,995.585	12/26/2007	0.01722	0.0000	0.0335	794.03	45.951	26-12-2007 02:52:16	0.074	0.000	0.144	0.2327	HORSE GULCH SOUTH
or49	1,219,399.900	2,313,812.412	12/26/2007	0.00000	0.0000	0.0000			26-12-2007 04:34:42	0.000	0.000	0.000	0.0000	HORSE GULCH SOUTH
or50	1,219,404.895	2,313,604.172	12/26/2007	0.00000	0.0000	0.0764	794	38.7093	26-12-2007 04:41:12	0.000	0.000	0.321	0.2381	HORSE GULCH SOUTH

or51	1,219,205.186	2,313,393.539	12/26/2007	0.09828	0.0000	0.0000	794.84	40.0095	26-12-2007 04:48:20	0.414	0.000	0.000	0.2374	HORSE GULCH SOUTH
or52	1,219,194.259	2,313,602.713	12/26/2007	0.00000	0.0031	0.0000	795.51	41.0211	26-12-2007 04:54:35	0.000	0.013	0.000	0.2368	HORSE GULCH SOUTH
or53	1,219,195.966	2,313,809.179	12/26/2007	0.17797	0.0000	0.0000	794.03	41.9107	26-12-2007 05:00:45	0.755	0.000	0.000	0.2357	HORSE GULCH SOUTH
or54	1,219,199.218	2,314,012.155	12/26/2007	0.00000	0.0000	0.0000	793.89	42.6890	26-12-2007 05:06:21	0.000	0.000	0.000	0.2351	HORSE GULCH SOUTH
or55	1,219,201.147	2,314,201.805	12/26/2007	0.03165	0.0000	0.0000	793.49	43.41	26-12-2007 05:11:37	0.135	0.000	0.000	0.2344	HORSE GULCH SOUTH
or56	1,219,198.680	2,314,399.643	12/26/2007	0.00000	0.0000	0.0000	792.82		26-12-2007 05:17:40	0.000	0.000	0.000	0.0000	HORSE GULCH SOUTH
or57	1,219,198.861	2,314,600.753	12/26/2007	0.00000	0.0028	0.0138	792.41	44.5962	26-12-2007 05:23:47	0.000	0.012	0.059	0.2332	HORSE GULCH SOUTH
or58	1,218,994.572	2,314,392.473	12/26/2007	0.04469	0.0033	0.0633	791.47	44.8926	26-12-2007 05:29:40	0.192	0.014	0.272	0.2328	HORSE GULCH SOUTH
or59	1,218,989.280	2,314,201.010	12/26/2007	0.11582	0.0014	0.0000	801.04	45.1102	26-12-2007 05:35:08	0.492	0.006	-0.019	0.2354	HORSE GULCH SOUTH
or60	1,218,995.095	2,314,002.816	12/26/2007	0.00000	0.0021	0.2046	793.22	45.2588	26-12-2007 05:40:48	0.000	0.009	0.878	0.2330	HORSE GULCH SOUTH
or61	1,218,990.272	2,313,797.147	12/26/2007	0.00000	0.0000	0.0000	792.82	45.3	26-12-2007 05:46:14	0.000	0.000	0.000	0.2329	HORSE GULCH SOUTH
or62	1,219,003.033	2,313,605.950	12/26/2007	0.00000	0.0000	0.0000	793.63	45.2207	26-12-2007 05:50:03	0.000	0.000	0.000	0.0000	HORSE GULCH SOUTH
or63	1,218,994.261	2,313,390.409	12/26/2007	0.00000	0.0000	0.0000			26-12-2007 05:55:30	0.000	0.000	0.000	0.0000	HORSE GULCH SOUTH
or64	1,218,980.299	2,313,239.820	12/26/2007	0.00000	0.0000	0.0000	794.16	44.8739	26-12-2007 06:00:45	0.000	0.000	0.000	0.2336	HORSE GULCH SOUTH
or65	1,218,808.853	2,313,193.705	12/26/2007	0.00000	0.0009	0.3257	796.19	44.6606	26-12-2007 06:06:29	0.000	0.004	1.390	0.2343	HORSE GULCH SOUTH
or66	1,218,751.768	2,312,987.122	12/26/2007	0.00000	0.0019	0.1100	796.05	44.4099	26-12-2007 06:12:49	0.000	0.008	0.469	0.2345	HORSE GULCH SOUTH
or67	1,218,798.824	2,313,406.406	12/26/2007	0.00000	0.0023	0.1065	796.05	44.355	26-12-2007 06:20:24	0.000	0.010	0.454	0.2345	HORSE GULCH SOUTH
or68	1,218,795.515	2,313,599.002	12/26/2007	0.00023	0.0023	0.0725	794.43	44.5	26-12-2007 06:25:40	0.001	0.010	0.310	0.2339	HORSE GULCH SOUTH
or69	1,218,807.741	2,313,790.534	12/26/2007	0.00000	0.0019	0.1451	793.89	44.59	26-12-2007 06:31:03	0.000	0.008	0.621	0.2337	HORSE GULCH SOUTH
or70	1,218,790.900	2,313,999.795	6/24/2008	0.00000	0.0005	0.1334	797.4	28.3	24-06-2008 08:50:58	0.000	0.002	0.539	0.2474	HORSE GULCH SOUTH
or71	1,218,796.280	2,314,198.580	6/24/2008	0.01629	0.0017	0.0496	798.4	29.4	24-06-2008 08:57:49	0.066	0.007	0.201	0.2468	HORSE GULCH SOUTH
or72	1,218,602.318	2,313,997.853	6/24/2008	0.00000	0.0012	0.0426	797.9	30.1	24-06-2008 09:04:19	0.000	0.005	0.173	0.2461	HORSE GULCH SOUTH
or73	1,218,598.757	2,313,804.012	6/24/2008	0.10208	0.0015	0.0619	814.8	30.7	24-06-2008 09:10:05	0.407	0.006	0.247	0.2508	HORSE GULCH SOUTH
or74	1,218,599.219	2,313,607.502	6/24/2008	0.08760	0.0007	0.0447	799.3	31.5	24-06-2008 09:15:36	0.357	0.003	0.182	0.2454	HORSE GULCH SOUTH
or75	1,218,592.714	2,313,400.320	6/24/2008	0.03105	0.0005	0.1782	798.6	32.4	24-06-2008 09:21:41	0.127	0.002	0.729	0.2445	HORSE GULCH SOUTH
or76	1,218,608.016	2,313,202.384	6/24/2008	0.08409	0.0005	0.1835	800.2	33.9	24-06-2008 09:32:24	0.345	0.002	0.753	0.2437	HORSE GULCH SOUTH
or77	1,218,595.319	2,313,004.692	6/24/2008	0.03737	0.0019	0.2150	799.3	34.9	24-06-2008 09:40:40	0.154	0.008	0.886	0.2427	HORSE GULCH SOUTH
fr080508_130	1,231,396.823	2,326,203.394	2/19/2008	0.00000	0.0033	0.4644	778.09	39.3	19-02-2008 00:30:03	0.000	0.014	1.994	0.2329	HORSE GULCH NORTH
fr080508_131	1,231,605.048	2,326,191.008	2/19/2008	0.00000	0.0009	0.3553	778.09	39.4016	19-02-2008 00:36:42	0.000	0.004	1.526	0.2328	HORSE GULCH NORTH
fr080508_132	1,231,795.589	2,326,192.537	2/19/2008	0.00000	0.0012	0.1402	778.66	39.55	19-02-2008 00:41:53	0.000	0.005	0.602	0.2329	HORSE GULCH NORTH
fr080508_133	1,232,008.639	2,326,199.291	2/19/2008	0.08958	0.0058	0.2245	778.53	39.8169	19-02-2008 00:47:58	0.385	0.025	0.965	0.2327	HORSE GULCH NORTH
fr080508_134	1,232,193.720	2,326,209.164	2/19/2008	0.06882	0.0028	0.3742	776.64	40.3225	19-02-2008 00:54:55	0.297	0.012	1.615	0.2317	HORSE GULCH NORTH
fr080508_135	1,232,399.193	2,326,214.502	8/12/2008	0.00000	0.0030	0.0622	774.4	41.4	12-08-2008 12:26:43	0.000	0.013	0.270	0.2303	HORSE GULCH NORTH
fr081208_01	1,232,593.162	2,326,191.302	8/12/2008	0.18260	0.0058	0.1464	774.4	41.4	12-08-2008 12:42:23	0.793	0.025	0.636	0.2303	HORSE GULCH NORTH
fr081208_02	1,232,585.595	2,326,007.234	8/12/2008	0.04478	0.0000	0.3585	769.9	42.0	12-08-2008 12:56:47	0.196	0.000	1.569	0.2285	HORSE GULCH NORTH
fr081208_03	1,232,395.811	2,326,011.835	8/12/2008	0.10186	0.0016	0.3444	771.0	42.6	12-08-2008 13:05:57	0.446	0.007	1.508	0.2284	HORSE GULCH NORTH
fr081208_04	1,232,207.466	2,326,011.741	8/12/2008	0.06463	0.0039	0.4167	784.7	43.7	12-08-2008 13:30:00	0.279	0.017	1.799	0.2316	HORSE GULCH NORTH
fr081208_05	1,232,019.045	2,326,001.114	8/12/2008	0.14364	0.0052	0.2843	772.9	43.9	12-08-2008 13:37:44	0.630	0.023	1.247	0.2280	HORSE GULCH NORTH
fr081208_06	1,231,808.900	2,325,995.710	8/12/2008	0.00000	0.0005	0.1337	774.8	44.0	12-08-2008 13:51:27	0.000	0.002	0.585	0.2285	HORSE GULCH NORTH
fr081208_07	1,231,602.083	2,325,999.508	8/12/2008	0.32687	0.0039	0.4397	774.8	44.1	12-08-2008 13:59:01	1.431	0.017	1.925	0.2284	HORSE GULCH NORTH
fr081208_08	1,231,406.468	2,326,045.269	8/12/2008	0.01033	0.0018	0.1437	779.1	44.3	12-08-2008 14:05:14	0.045	0.008	0.626	0.2295	HORSE GULCH NORTH
fr081208_09	1,231,204.179	2,325,850.598	8/12/2008	0.07906	0.0037	0.0736	778.5	44.6	12-08-2008 14:12:20	0.345	0.016	0.321	0.2292	HORSE GULCH NORTH
fr081208_10	1,231,452.794	2,325,811.958	8/12/2008	0.06982	0.0005	0.5514	777.9	44.7	12-08-2008 14:20:21	0.305	0.002	2.409	0.2289	HORSE GULCH NORTH
fr081208_11	1,230,993.610	2,325,582.336	8/13/2008	0.00000	0.0014	0.2061	778.8	38.9	13-08-2008 12:57:20	0.000	0.006	0.883	0.2334	HORSE GULCH NORTH
fr081208_12	1,231,189.662	2,325,601.069	8/13/2008	0.00000	0.0012	0.2829	778.4	39.3	13-08-2008 13:02:48	0.000	0.005	1.214	0.2330	HORSE GULCH NORTH
fr081208_13	1,231,389.655	2,325,604.966	8/13/2008	0.00419	0.0026	0.4866	778.4	39.4	13-08-2008 13:09:23	0.018	0.011	2.089	0.2329	HORSE GULCH NORTH
fr081208_14	1,231,599.456	2,325,597.965	8/13/2008	0.00000	0.0016	0.1855	778.6	39.4	13-08-2008 13:15:59	0.000	0.007	0.796	0.2330	HORSE GULCH NORTH
fr081208_15	1,231,599.875	2,325,797.337	8/13/2008	0.00000	0.0040	0.4675	778.0	39.4	13-08-2008 13:24:19	0.000	0.017	2.008	0.2328	HORSE GULCH NORTH
fr081208_16	1,231,794.592	2,325,803.094	8/13/2008	0.01742	0.0037	0.1935	776.8	39.6	13-08-2008 13:30:53	0.075	0.016	0.833	0.2323	HORSE GULCH NORTH
fr081208_17	1,231,989.036	2,325,796.426	8/13/2008	0.00000	0.0044	0.1440	774.8	40.3	13-08-2008 13:40:35	0.000	0.019	0.623	0.2312	HORSE GULCH NORTH
fr081208_18	1,232,188.637	2,325,796.257	8/13/2008	0.11395	0.0039	0.3038	775.0	41.1	13-08-2008 13:48:21	0.494	0.017	1.317	0.2307	HORSE GULCH NORTH
fr081208_19	1,232,185.608	2,325,601.628	8/13/2008	0.14786	0.0050	0.1358	773.8	45.0	13-08-2008 14:24:14	0.650	0.022	0.597	0.2275	HORSE GULCH NORTH
fr081208_20	1,232,000.449	2,325,594.497	8/13/2008	0.00362	0.0023	0.1384	771.7	45.6	13-08-2008 14:37:39	0.016	0.010	0.611	0.2264	HORSE GULCH NORTH
fr081208_21	1,231,796.271	2,325,581.087	8/13/2008	0.00000	0.0021	0.7839	776.1	45.3	13-08-2008 14:48:26	0.000	0.009	3.439	0.2279	HORSE GULCH NORTH
fr081208_22	1,231,792.651	2,325,395.919	8/13/2008	0.00000	0.0016	0.0000	775.7	45.1	13-08-2008 14:53:30	0.000	0.007	-0.187	0.2280	HORSE GULCH NORTH
fr081208_23	1,231,591.947	2,325,424.853	8/13/2008	0.00000	0.0018	0.3204	775.0	44.7	13-08-2008 15:00:24	0.000	0.008	1.405	0.2281	HORSE GULCH NORTH
fr081208_24	1,231,403.423	2,325,390.024	8/13/2008	0.00000	0.0027	0.2995	776.2	44.4	13-08-2008 15:05:39	0.000	0.012	1.310	0.2286	HORSE GULCH NORTH

fr081208_25	1,231,197.543	2,325,394.269	8/13/2008	0.00000	0.0009	0.4747	776.9	44.0	13-08-2008 15:11:17	-0.032	0.004	2.072	0.2291	HORSE GULCH NORTH
fr081208_26	1,230,996.254	2,325,392.103	8/13/2008	0.00000	0.0016	0.1246	778.4	43.5	13-08-2008 15:17:04	0.000	0.007	0.542	0.2299	HORSE GULCH NORTH
fr081208_27	1,230,788.692	2,325,194.260	8/14/2008	0.15322	0.0024	0.3714	784.4	28.5	14-08-2008 09:14:53	0.630	0.010	1.527	0.2432	HORSE GULCH NORTH
fr081208_28	1,230,999.425	2,325,193.664	8/14/2008	0.00000	0.0005	0.1852	778.2	29.8	14-08-2008 09:22:03	0.000	0.002	0.771	0.2403	HORSE GULCH NORTH
fr081208_29	1,231,193.917	2,325,195.407	8/14/2008	0.14491	0.0007	0.3156	775.8	31.3	14-08-2008 09:30:37	0.608	0.003	1.324	0.2383	HORSE GULCH NORTH
fr081208_30	1,231,399.730	2,325,195.530	8/14/2008	0.12459	0.0017	0.3181	778.1	34.1	14-08-2008 09:45:33	0.526	0.007	1.343	0.2369	HORSE GULCH NORTH
fr081208_31	1,231,599.675	2,325,198.170	8/14/2008	0.00165	0.0012	0.2292	780.0	35.6	14-08-2008 10:28:32	0.007	0.005	0.970	0.2363	HORSE GULCH NORTH
fr081208_32	1,231,606.047	2,325,017.679	8/14/2008	0.02964	0.0033	0.2590	777.2	35.9	14-08-2008 10:38:23	0.126	0.014	1.101	0.2352	HORSE GULCH NORTH
fr081208_33	1,231,390.437	2,324,989.904	8/14/2008	0.13704	0.0031	0.3961	776.9	36.5	14-08-2008 10:45:13	0.584	0.013	1.688	0.2347	HORSE GULCH NORTH
fr081208_34	1,231,188.698	2,324,993.834	8/14/2008	0.03607	0.0033	0.3420	777.5	37.3	14-08-2008 10:57:27	0.154	0.014	1.460	0.2342	HORSE GULCH NORTH
fr081208_35	1,231,006.256	2,324,992.118	8/14/2008	0.00000	0.0012	0.0984	774.9	37.8	14-08-2008 11:16:49	0.000	0.005	0.422	0.2331	HORSE GULCH NORTH
fr081208_36	1,230,805.505	2,324,993.435	8/14/2008	0.05451	0.0098	0.2644	774.4	37.8	14-08-2008 11:22:27	0.234	0.042	1.135	0.2329	HORSE GULCH NORTH
fr081208_37	1,230,600.000	2,325,000.000	8/14/2008	0.07044	0.0021	0.1661	776.2	38.1	14-08-2008 11:30:17	0.302	0.009	0.712	0.2332	HORSE GULCH NORTH
fr081208_38	1,230,603.157	2,324,788.594	8/14/2008	0.12234	0.0021	0.1354	777.7	39.0	14-08-2008 11:45:41	0.525	0.009	0.581	0.2330	HORSE GULCH NORTH
fr081208_39	1,230,800.554	2,324,804.868	8/14/2008	0.15106	0.0046	0.2179	776.1	41.6	14-08-2008 12:11:50	0.655	0.020	0.945	0.2306	HORSE GULCH NORTH
fr081208_40	1,230,992.367	2,324,789.637	8/14/2008	0.00000	0.0023	0.2436	774.9	41.9	14-08-2008 12:18:21	0.000	0.010	1.059	0.2300	HORSE GULCH NORTH
fr081208_41	1,231,200.638	2,324,794.460	8/14/2008	0.00000	0.0011	0.2146	774.9	42.0	14-08-2008 12:24:40	0.000	0.005	0.933	0.2300	HORSE GULCH NORTH
fr081208_42	1,231,381.852	2,324,798.585	8/14/2008	0.00000	0.0007	0.6182	774.6	42.1	14-08-2008 12:51:13	0.000	0.003	2.690	0.2298	HORSE GULCH NORTH
fr081208_43	1,231,391.319	2,324,594.142	8/14/2008	0.00804	0.0014	0.0000	774.6	42.2	14-08-2008 12:58:38	0.035	0.006	-0.432	0.2297	HORSE GULCH NORTH
fr081208_44	1,231,395.421	2,324,393.572	8/14/2008	0.02952	0.0016	0.1572	772.6	42.6	14-08-2008 13:25:06	0.129	0.007	0.687	0.2289	HORSE GULCH NORTH
fr081208_45	1,231,391.264	2,324,189.000	8/14/2008	0.01550	0.0016	0.0116	770.0	42.9	14-08-2008 13:30:53	0.068	0.007	0.051	0.2279	HORSE GULCH NORTH
fr081208_46	1,231,395.326	2,323,988.627	8/14/2008	0.00000	0.0016	0.3869	767.3	42.9	14-08-2008 13:37:20	0.000	0.007	1.704	0.2271	HORSE GULCH NORTH
fr081208_47	1,231,204.819	2,323,994.393	8/14/2008	0.00000	0.0018	0.3326	764.1	42.7	14-08-2008 13:45:03	0.000	0.008	1.470	0.2263	HORSE GULCH NORTH
fr081208_48	1,231,195.482	2,323,798.006	8/14/2008	0.00000	0.0016	0.1166	767.2	42.5	14-08-2008 13:55:36	0.000	0.007	0.513	0.2273	HORSE GULCH NORTH
fr081208_49	1,231,184.779	2,324,230.603	8/14/2008	0.11391	0.0064	0.1371	766.9	41.7	14-08-2008 14:23:18	0.500	0.028	0.602	0.2278	HORSE GULCH NORTH
fr081208_50	1,231,198.402	2,324,391.532	8/14/2008	0.00000	0.0009	0.2883	767.5	41.1	14-08-2008 14:37:52	-0.071	0.004	1.262	0.2284	HORSE GULCH NORTH
fr081208_51	1,231,199.627	2,324,575.012	8/14/2008	0.00000	0.0021	0.1050	768.7	41.0	14-08-2008 14:44:02	0.000	0.009	0.459	0.2289	HORSE GULCH NORTH
fr081208_52	1,231,019.434	2,324,565.738	8/14/2008	0.00000	0.0016	0.3904	769.5	41.0	14-08-2008 14:52:06	0.000	0.007	1.704	0.2291	HORSE GULCH NORTH
fr081208_53	1,230,803.710	2,324,587.247	8/14/2008	0.00000	0.0005	0.1060	770.8	41.1	14-08-2008 14:57:36	0.000	0.002	0.462	0.2294	HORSE GULCH NORTH
fr081208_54	1,230,608.397	2,324,598.320	8/14/2008	0.00000	0.0007	0.0060	771.4	41.4	14-08-2008 15:03:07	0.000	0.003	0.026	0.2294	HORSE GULCH NORTH
fr081208_55	1,230,395.846	2,324,592.176	8/14/2008	0.00000	0.0025	0.1248	773.4	41.7	14-08-2008 15:08:11	0.000	0.011	0.543	0.2297	HORSE GULCH NORTH
hg091108_01	1,230,201.351	2,324,410.448	9/11/2008	0.19952	0.0065	0.3031	781.3	32.3	11-09-2008 12:54:55	0.834	0.027	1.267	0.2392	HORSE GULCH NORTH
hg091108_02	1,230,001.155	2,324,200.782	9/11/2008	0.17321	0.0066	0.2643	776.9	33.1	11-09-2008 13:03:17	0.730	0.028	1.114	0.2373	HORSE GULCH NORTH
hg091108_03	1,229,794.429	2,324,003.837	9/11/2008	0.03258	0.0047	0.1117	774.3	33.6	11-09-2008 13:10:34	0.138	0.020	0.473	0.2361	HORSE GULCH NORTH
hg091108_04	1,229,602.535	2,323,808.983	9/11/2008	0.13559	0.0028	0.2526	774.7	35.2	11-09-2008 13:28:38	0.577	0.012	1.075	0.2350	HORSE GULCH NORTH
hg091108_05	1,229,402.667	2,323,603.448	9/11/2008	0.00609	0.0014	0.2674	774.5	35.9	11-09-2008 13:37:19	0.026	0.006	1.141	0.2344	HORSE GULCH NORTH
hg091108_06	1,229,199.210	2,323,398.501	9/11/2008	0.00000	0.0016	0.0251	777.2	36.2	11-09-2008 13:44:24	-0.018	0.007	0.107	0.2350	HORSE GULCH NORTH
hg091108_07	1,229,394.741	2,323,404.372	9/11/2008	0.14670	0.0035	0.2155	774.9	37.6	11-09-2008 14:10:20	0.629	0.015	0.924	0.2332	HORSE GULCH NORTH
hg091108_08	1,229,607.634	2,323,591.246	9/11/2008	0.00162	0.0026	0.1430	773.5	38.6	11-09-2008 14:19:17	0.007	0.011	0.616	0.2321	HORSE GULCH NORTH
hg091108_09	1,229,798.904	2,323,793.444	9/11/2008	0.00000	0.0037	0.0457	773.4	38.9	11-09-2008 14:33:05	0.000	0.016	0.197	0.2318	HORSE GULCH NORTH
hg091108_10	1,230,000.051	2,323,991.482	9/11/2008	0.00000	0.0039	0.2299	772.6	38.6	11-09-2008 14:42:42	0.000	0.017	0.992	0.2318	HORSE GULCH NORTH
hg091108_11	1,230,178.482	2,324,201.221	9/11/2008	0.00000	0.0035	0.1745	772.1	38.5	11-09-2008 14:47:33	0.000	0.015	0.753	0.2317	HORSE GULCH NORTH
hg091108_12	1,230,589.633	2,324,405.055	9/12/2008	0.00000	0.0000	0.0000	n.a.	31.2	12-09-2008 10:28:40	0.639	0.007	1.179	0.0000	HORSE GULCH NORTH
hg091108_13	1,230,404.385	2,324,388.346	9/12/2008	0.00000	0.0000	0.0000	n.a.	31.9	12-09-2008 10:34:49	0.000	0.008	0.560	0.0000	HORSE GULCH NORTH
hg091108_14	1,230,787.149	2,324,408.003	9/12/2008	0.00000	0.0000	0.0000	n.a.	32.3	12-09-2008 10:42:26	0.067	0.003	0.524	0.0000	HORSE GULCH NORTH
hg091108_15	1,230,988.358	2,324,401.348	9/12/2008	0.00000	0.0000	0.0000	n.a.	32.7	12-09-2008 10:48:57	0.000	0.011	0.550	0.0000	HORSE GULCH NORTH
hg091108_16	1,230,980.546	2,324,189.299	9/12/2008	0.00000	0.0000	0.0000	n.a.	33.0	12-09-2008 10:58:04	0.258	0.009	0.130	0.0000	HORSE GULCH NORTH
hg091108_17	1,231,004.959	2,324,020.250	9/12/2008	0.00000	0.0000	0.0000	n.a.	33.5	12-09-2008 11:05:14	0.036	0.005	0.537	0.0000	HORSE GULCH NORTH
hg091108_18	1,230,998.273	2,323,805.761	9/12/2008	0.00000	0.0000	0.0000	n.a.	34.1	12-09-2008 11:18:30	0.696	0.025	0.568	0.0000	HORSE GULCH NORTH
hg091108_19	1,230,797.126	2,323,607.916	9/12/2008	0.00000	0.0000	0.0000	n.a.	34.4	12-09-2008 11:27:10	0.027	0.001	0.012	0.0000	HORSE GULCH NORTH
hg091108_20	1,230,793.390	2,323,399.089	9/12/2008	0.00000	0.0000	0.0000	n.a.	34.8	12-09-2008 11:33:34	0.026	0.010	0.427	0.0000	HORSE GULCH NORTH
hg091108_21	1,230,598.578	2,323,211.769	9/12/2008	0.00000	0.0000	0.0000	n.a.	35.0	12-09-2008 11:38:34	0.000	0.007	0.197	0.0000	HORSE GULCH NORTH
hg091108_22	1,230,407.886	2,323,223.211	9/12/2008	0.00000	0.0000	0.0000	n.a.	35.0	12-09-2008 11:45:23	0.012	0.005	0.155	0.0000	HORSE GULCH NORTH
hg091108_23	1,230,200.179	2,323,005.327	9/12/2008	0.00000	0.0000	0.0000	n.a.	34.9	12-09-2008 11:52:55	0.000	0.004	-0.002	0.0000	HORSE GULCH NORTH
hg091108_24	1,229,990.981	2,322,992.687	9/12/2008	0.00000	0.0000	0.0000	n.a.	34.8	12-09-2008 11:59:47	0.000	0.010	0.329	0.0000	HORSE GULCH NORTH
hg091108_25	1,229,814.166	2,322,781.419	9/12/2008	0.00000	0.0000	0.0000	n.a.	35.9	12-09-2008 12:32:57	0.530	0.028	1.099	0.0000	HORSE GULCH NORTH
hg091108_26	1,229,607.045	2,322,795.397	9/12/2008	0.00000	0.0000	0.0000	n.a.	36.2	12-09-2008 12:37:49	0.021	0.011	0.491	0.0000	HORSE GULCH NORTH

hg091108_27	1,229,400.101	2,322,602.158	9/12/2008	0.00000	0.0000	0.0000	n.a.	36.4	12-09-2008 12:44:23	0.000	0.010	1.161	0.0000	HORSE GULCH NORTH
hg091108_28	1,229,206.592	2,322,409.592	9/12/2008	0.00000	0.0000	0.0000	n.a.	36.5	12-09-2008 12:52:26	0.573	0.009	0.368	0.0000	HORSE GULCH NORTH
hg091908_01	1,228,195.529	2,322,425.527	9/19/2008	0.17926	0.0015	0.1793	784.8	22.9	19-09-2008 09:55:14	0.723	0.006	0.723	0.2479	HORSE GULCH NORTH
hg091908_02	1,228,193.875	2,322,201.617	9/19/2008	0.00814	0.0005	0.1053	784.4	24.3	19-09-2008 10:02:30	0.033	0.002	0.427	0.2466	HORSE GULCH NORTH
hg091908_03	1,228,200.135	2,321,992.254	9/19/2008	0.20675	0.0007	0.0985	783.8	25.4	19-09-2008 10:09:18	0.842	0.003	0.401	0.2456	HORSE GULCH NORTH
hg091908_04	1,228,193.328	2,321,782.098	9/19/2008	0.00073	0.0010	0.0922	781.1	26.4	19-09-2008 10:15:52	0.003	0.004	0.378	0.2439	HORSE GULCH NORTH
hg091908_05	1,228,205.664	2,321,599.847	9/19/2008	0.00000	0.0000	1.1325	777.9	27.7	19-09-2008 10:28:26	0.000	0.000	4.683	0.2418	HORSE GULCH NORTH
hg091908_06	1,228,191.332	2,321,402.138	9/19/2008	0.00000	0.0005	0.0535	785.0	28.8	19-09-2008 10:37:13	0.000	0.002	0.220	0.2432	HORSE GULCH NORTH
hg091908_07	1,228,188.637	2,321,201.057	9/19/2008	0.00934	0.0007	0.1222	776.1	29.9	19-09-2008 10:44:39	0.039	0.003	0.510	0.2395	HORSE GULCH NORTH
hg091908_08	1,228,199.921	2,321,006.424	9/19/2008	0.16513	0.0012	0.1016	774.0	31.1	19-09-2008 10:51:11	0.694	0.005	0.427	0.2379	HORSE GULCH NORTH
hg091908_09	1,228,183.730	2,320,797.962	9/19/2008	0.09784	0.0031	0.0332	773.7	32.3	19-09-2008 10:58:54	0.413	0.013	0.140	0.2369	HORSE GULCH NORTH
hg091908_100	1,230,796.055	2,324,193.968	9/23/2008	0.12081	0.0024	0.1125	776.9	31.8	23-09-2008 10:00:08	0.507	0.010	0.472	0.2383	HORSE GULCH NORTH
hg091908_101	1,230,601.909	2,324,023.441	9/23/2008	0.07863	0.0019	0.1367	774.2	33.5	23-09-2008 10:22:15	0.333	0.008	0.579	0.2361	HORSE GULCH NORTH
hg091908_39	1,228,401.694	2,322,210.241	9/19/2008	0.00000	0.0021	0.1018	778.8	36.7	19-09-2008 13:39:05	0.000	0.009	0.433	0.2351	HORSE GULCH NORTH
hg091908_40	1,228,393.197	2,322,601.770	9/22/2008	0.02463	0.0042	0.1739	782.2	23.9	22-09-2008 08:53:39	0.100	0.017	0.706	0.2463	HORSE GULCH NORTH
hg091908_41	1,228,387.053	2,322,404.442	9/22/2008	0.15662	0.0027	0.1615	782.2	24.4	22-09-2008 08:59:52	0.637	0.011	0.657	0.2459	HORSE GULCH NORTH
hg091908_42	1,228,386.644	2,322,007.770	9/22/2008	0.09997	0.0037	0.0648	782.5	24.8	22-09-2008 09:06:10	0.407	0.015	0.264	0.2456	HORSE GULCH NORTH
hg091908_43	1,228,400.171	2,321,811.097	9/22/2008	0.08991	0.0020	0.0623	780.1	25.5	22-09-2008 09:12:15	0.368	0.008	0.255	0.2443	HORSE GULCH NORTH
hg091908_44	1,228,389.084	2,321,598.170	9/22/2008	0.21798	0.0017	0.1633	778.8	26.6	22-09-2008 09:19:47	0.897	0.007	0.672	0.2430	HORSE GULCH NORTH
hg091908_45	1,228,406.562	2,321,403.769	9/22/2008	0.14654	0.0029	0.1374	775.8	27.9	22-09-2008 09:25:21	0.608	0.012	0.570	0.2410	HORSE GULCH NORTH
hg091908_46	1,228,384.777	2,321,214.580	9/22/2008	0.16248	0.0017	0.4285	774.2	29.0	22-09-2008 09:30:48	0.678	0.007	1.788	0.2397	HORSE GULCH NORTH
hg091908_47	1,228,394.419	2,321,021.763	9/22/2008	0.06385	0.0005	0.0715	772.4	30.1	22-09-2008 09:36:05	0.268	0.002	0.300	0.2382	HORSE GULCH NORTH
hg091908_48	1,228,579.405	2,321,391.292	9/22/2008	0.00805	0.0005	0.0502	771.9	31.8	22-09-2008 09:47:54	0.034	0.002	0.212	0.2367	HORSE GULCH NORTH
hg091908_49	1,228,585.257	2,321,595.953	9/22/2008	0.00000	0.0009	0.1080	775.3	32.3	22-09-2008 09:54:12	0.000	0.004	0.455	0.2374	HORSE GULCH NORTH
hg091908_50	1,228,587.293	2,321,798.582	9/22/2008	0.00166	0.0012	0.0839	777.1	32.6	22-09-2008 09:58:43	0.007	0.005	0.353	0.2377	HORSE GULCH NORTH
hg091908_51	1,228,605.958	2,321,998.215	9/22/2008	0.00000	0.0031	0.1002	778.4	32.7	22-09-2008 10:02:44	0.000	0.013	0.421	0.2380	HORSE GULCH NORTH
hg091908_52	1,228,586.605	2,322,196.151	9/22/2008	0.09087	0.0005	0.0746	780.4	32.9	22-09-2008 10:08:18	0.381	0.002	0.313	0.2385	HORSE GULCH NORTH
hg091908_53	1,228,602.681	2,322,394.819	9/22/2008	0.00000	0.0010	0.0636	782.7	33.0	22-09-2008 10:12:23	-0.246	0.004	0.266	0.2391	HORSE GULCH NORTH
hg091908_54	1,228,589.097	2,322,616.713	9/22/2008	0.00000	0.0014	0.0855	782.4	33.1	22-09-2008 10:17:35	0.000	0.006	0.358	0.2389	HORSE GULCH NORTH
hg091908_55	1,228,592.050	2,322,781.343	9/22/2008	0.00000	0.0010	0.1706	782.5	33.2	22-09-2008 10:22:03	-0.003	0.004	0.714	0.2389	HORSE GULCH NORTH
hg091908_56	1,228,794.655	2,322,985.513	9/22/2008	0.00000	0.0017	0.0757	782.4	33.3	22-09-2008 10:28:39	0.000	0.007	0.317	0.2388	HORSE GULCH NORTH
hg091908_57	1,228,802.213	2,322,797.988	9/22/2008	0.02288	0.0038	0.1813	781.3	33.5	22-09-2008 10:34:18	0.096	0.016	0.761	0.2383	HORSE GULCH NORTH
hg091908_58	1,228,800.502	2,322,595.169	9/22/2008	0.00309	0.0017	0.2650	780.9	33.9	22-09-2008 10:39:44	0.013	0.007	1.114	0.2379	HORSE GULCH NORTH
hg091908_59	1,228,807.060	2,322,420.265	9/22/2008	0.05062	0.0000	0.0746	781.5	34.4	22-09-2008 10:44:47	0.213	0.000	0.314	0.2377	HORSE GULCH NORTH
hg091908_60	1,228,800.939	2,322,197.010	9/22/2008	0.06721	0.0012	0.0853	781.7	34.7	22-09-2008 10:50:40	0.283	0.005	0.359	0.2375	HORSE GULCH NORTH
hg091908_61	1,228,803.312	2,321,996.859	9/22/2008	0.24601	0.0028	0.0702	778.6	35.0	22-09-2008 10:55:42	1.041	0.012	0.297	0.2363	HORSE GULCH NORTH
hg091908_62	1,229,001.125	2,322,013.459	9/22/2008	0.00000	0.0007	0.1043	780.5	35.4	22-09-2008 11:01:32	0.000	0.003	0.441	0.2366	HORSE GULCH NORTH
hg091908_63	1,228,996.680	2,322,219.230	9/22/2008	0.00000	0.0040	0.1085	778.2	35.5	22-09-2008 11:07:16	0.000	0.017	0.460	0.2358	HORSE GULCH NORTH
hg091908_64	1,228,999.213	2,322,402.926	9/22/2008	0.01063	0.0019	0.1139	780.0	35.7	22-09-2008 11:12:41	0.045	0.008	0.482	0.2362	HORSE GULCH NORTH
hg091908_65	1,229,005.858	2,322,601.294	9/22/2008	0.00000	0.0014	0.0839	780.5	35.9	22-09-2008 11:17:25	0.000	0.006	0.355	0.2362	HORSE GULCH NORTH
hg091908_66	1,229,008.542	2,322,793.821	9/22/2008	0.00000	0.0009	0.1079	780.5	36.0	22-09-2008 11:23:10	-0.001	0.004	0.457	0.2361	HORSE GULCH NORTH
hg091908_67	1,229,004.368	2,323,001.506	9/22/2008	0.01036	0.0038	0.0949	778.6	36.1	22-09-2008 11:28:06	0.044	0.016	0.403	0.2355	HORSE GULCH NORTH
hg091908_68	1,229,007.587	2,323,217.157	9/22/2008	0.00000	0.0019	0.0778	780.1	36.3	22-09-2008 11:34:23	0.000	0.008	0.330	0.2358	HORSE GULCH NORTH
hg091908_69	1,229,195.210	2,323,202.617	9/22/2008	0.00000	0.0014	0.0845	779.7	36.5	22-09-2008 11:40:32	0.000	0.006	0.359	0.2355	HORSE GULCH NORTH
hg091908_70	1,229,185.362	2,323,005.581	9/22/2008	0.25274	0.0007	0.0404	778.4	36.8	22-09-2008 11:45:24	1.076	0.003	0.172	0.2349	HORSE GULCH NORTH
hg091908_71	1,229,185.930	2,322,795.410	9/22/2008	0.00000	0.0038	0.1359	776.7	36.3	22-09-2008 12:12:10	0.000	0.016	0.579	0.2348	HORSE GULCH NORTH
hg091908_72	1,229,192.551	2,322,607.270	9/22/2008	0.00000	0.0012	0.0831	776.7	36.3	22-09-2008 12:17:07	0.000	0.005	0.354	0.2348	HORSE GULCH NORTH
hg091908_73	1,229,412.232	2,322,788.978	9/22/2008	0.00000	0.0014	0.0370	779.0	36.2	22-09-2008 12:23:37	0.000	0.006	0.157	0.2355	HORSE GULCH NORTH
hg091908_74	1,229,410.469	2,323,007.612	9/22/2008	0.00000	0.0009	0.0554	776.8	36.1	22-09-2008 12:30:12	0.000	0.004	0.236	0.2349	HORSE GULCH NORTH
hg091908_75	1,229,406.481	2,323,208.118	9/22/2008	0.00000	0.0009	0.0298	782.7	35.9	22-09-2008 12:38:55	0.000	0.004	0.126	0.2369	HORSE GULCH NORTH
hg091908_76	1,229,596.518	2,323,381.095	9/22/2008	0.00000	0.0009	0.0143	774.7	35.9	22-09-2008 12:45:14	0.000	0.004	0.061	0.2345	HORSE GULCH NORTH
hg091908_77	1,229,597.730	2,323,192.405	9/22/2008	0.00000	0.0012	0.1046	773.8	36.1	22-09-2008 12:53:50	0.000	0.005	0.447	0.2340	HORSE GULCH NORTH
hg091908_78	1,229,593.287	2,322,993.165	9/22/2008	0.00047	0.0021	0.2319	775.1	36.3	22-09-2008 12:58:40	0.002	0.009	0.990	0.2343	HORSE GULCH NORTH
hg091908_79	1,229,800.571	2,322,981.334	9/22/2008	0.00023	0.0012	0.3403	775.1	36.4	22-09-2008 13:04:39	0.001	0.005	1.453	0.2342	HORSE GULCH NORTH
hg091908_80	1,229,819.804	2,323,204.034	9/22/2008	0.00000	0.0012	0.1234	774.3	36.6	22-09-2008 13:13:12	0.000	0.005	0.528	0.2338	HORSE GULCH NORTH
hg091908_81	1,229,809.490	2,323,380.961	9/22/2008	0.00023	0.0009	0.0469	772.7	36.7	22-09-2008 13:16:37	0.001	0.004	0.201	0.2332	HORSE GULCH NORTH
hg091908_82	1,229,804.944	2,323,597.858	9/22/2008	0.00000	0.0016	0.0985	773.2	36.8	22-09-2008 13:21:41	0.000	0.007	0.422	0.2333	HORSE GULCH NORTH

hg091908_83	1,229,992.615	2,323,781.309	9/22/2008	0.00023	0.0009	0.0920	774.7	37.0	22-09-2008 13:26:48	0.001	0.004	0.394	0.2336	HORSE GULCH NORTH
hg091908_84	1,230,005.627	2,323,612.348	9/22/2008	0.00000	0.0016	0.1023	773.2	37.2	22-09-2008 13:30:58	0.000	0.007	0.439	0.2330	HORSE GULCH NORTH
hg091908_85	1,229,988.118	2,323,403.573	9/22/2008	0.00000	0.0012	0.0522	772.6	37.2	22-09-2008 13:36:11	0.000	0.005	0.224	0.2328	HORSE GULCH NORTH
hg091908_86	1,229,985.825	2,323,205.154	9/22/2008	0.00047	0.0012	0.1166	771.9	37.1	22-09-2008 13:41:24	0.002	0.005	0.501	0.2327	HORSE GULCH NORTH
hg091908_87	1,230,227.455	2,323,222.757	9/22/2008	0.00023	0.0028	0.2058	770.5	36.8	22-09-2008 13:53:52	0.001	0.012	0.885	0.2325	HORSE GULCH NORTH
hg091908_88	1,230,189.348	2,324,002.440	9/23/2008	0.00000	0.0002	0.0363	784.7	24.0	23-09-2008 08:47:25	0.000	0.001	0.147	0.2470	HORSE GULCH NORTH
hg091908_89	1,230,198.490	2,323,795.664	9/23/2008	0.00000	0.0010	0.0612	784.7	24.1	23-09-2008 08:53:28	0.000	0.004	0.248	0.2469	HORSE GULCH NORTH
hg091908_90	1,230,199.831	2,323,599.972	9/23/2008	0.00000	0.0017	0.0658	775.4	24.5	23-09-2008 08:58:10	0.000	0.007	0.270	0.2437	HORSE GULCH NORTH
hg091908_91	1,230,201.049	2,323,407.074	9/23/2008	0.02278	0.0010	0.0635	773.2	25.2	23-09-2008 09:03:00	0.094	0.004	0.262	0.2424	HORSE GULCH NORTH
hg091908_92	1,230,391.064	2,323,410.978	9/23/2008	0.03670	0.0017	0.0785	772.7	26.2	23-09-2008 09:09:32	0.152	0.007	0.325	0.2414	HORSE GULCH NORTH
hg091908_93	1,230,600.181	2,323,395.976	9/23/2008	0.20693	0.0010	0.1194	770.5	27.4	23-09-2008 09:16:30	0.863	0.004	0.498	0.2398	HORSE GULCH NORTH
hg091908_94	1,230,616.155	2,323,595.605	9/23/2008	0.06402	0.0002	0.0000	770.4	28.5	23-09-2008 09:24:41	0.268	0.001	-0.011	0.2389	HORSE GULCH NORTH
hg091908_95	1,230,403.672	2,323,589.066	9/23/2008	0.02271	0.0014	0.1006	772.3	29.0	23-09-2008 09:30:33	0.095	0.006	0.421	0.2391	HORSE GULCH NORTH
hg091908_96	1,230,402.987	2,323,797.587	9/23/2008	0.02959	0.0019	0.0840	772.2	29.5	23-09-2008 09:36:04	0.124	0.008	0.352	0.2386	HORSE GULCH NORTH
hg091908_97	1,230,384.608	2,323,976.235	9/23/2008	0.00000	0.0007	0.1490	774.1	30.1	23-09-2008 09:41:58	0.000	0.003	0.624	0.2388	HORSE GULCH NORTH
hg091908_98	1,230,389.475	2,324,181.355	9/23/2008	0.00120	0.0007	0.1363	777.1	30.7	23-09-2008 09:48:21	0.005	0.003	0.570	0.2392	HORSE GULCH NORTH
hg091908_99	1,230,600.705	2,324,198.263	9/23/2008	0.00000	0.0010	0.0909	778.1	31.2	23-09-2008 09:53:48	0.000	0.004	0.380	0.2391	HORSE GULCH NORTH
hg61	1,223,397.696	2,316,852.846	6/26/2008	0.18347	0.0048	0.2996	785.8	32.5	26-06-2008 11:02:51	0.763	0.020	1.246	0.2405	HORSE GULCH CENTRAL
hg62	1,223,397.649	2,317,000.824	6/26/2008	0.20331	0.0012	0.2830	784.4	34.3	26-06-2008 11:10:33	0.852	0.005	1.186	0.2386	HORSE GULCH CENTRAL
hg63	1,223,388.835	2,317,185.704	6/26/2008	0.00000	0.0012	0.1415	782.3	35.6	26-06-2008 11:16:32	0.000	0.005	0.597	0.2370	HORSE GULCH CENTRAL
hg67	1,223,397.898	2,317,450.295	6/26/2008	0.00000	0.0021	0.2550	785.5	39.1	26-06-2008 11:44:12	0.000	0.009	1.084	0.2353	HORSE GULCH CENTRAL
hg68	1,223,592.054	2,317,201.834	6/26/2008	0.00000	0.0005	0.0789	785.1	39.7	26-06-2008 11:57:25	0.000	0.002	0.336	0.2347	HORSE GULCH CENTRAL
hg69	1,223,609.031	2,317,022.247	6/26/2008	0.05312	0.0021	0.2544	780.8	40.3	26-06-2008 12:02:57	0.228	0.009	1.092	0.2330	HORSE GULCH CENTRAL
hg70	1,223,795.362	2,316,998.122	6/26/2008	0.00000	0.0028	0.2058	780.0	40.9	26-06-2008 12:09:01	0.000	0.012	0.886	0.2323	HORSE GULCH CENTRAL
hg71	1,223,804.768	2,316,815.826	6/26/2008	0.00000	0.0042	0.1966	778.9	41.4	26-06-2008 12:14:37	-0.002	0.018	0.849	0.2316	HORSE GULCH CENTRAL
hg72	1,223,999.232	2,316,791.061	6/26/2008	0.09862	0.0042	0.3107	795.2	42.1	26-06-2008 12:23:46	0.418	0.018	1.317	0.2359	HORSE GULCH CENTRAL
hg73	1,224,200.459	2,316,820.158	6/26/2008	0.00000	0.0012	0.0203	777.2	42.6	26-06-2008 12:30:32	0.000	0.005	0.088	0.2302	HORSE GULCH CENTRAL
hg74	1,224,206.801	2,317,006.732	6/26/2008	0.00000	0.0009	0.0087	775.3	43.4	26-06-2008 12:44:55	0.000	0.004	0.038	0.2291	HORSE GULCH CENTRAL
hg75	1,224,004.490	2,317,009.102	6/26/2008	0.03553	0.0049	0.3465	786.9	43.8	26-06-2008 12:53:09	0.153	0.021	1.492	0.2322	HORSE GULCH CENTRAL
hg76	1,224,008.999	2,317,212.059	6/26/2008	0.00000	0.0048	0.2718	778.8	44.2	26-06-2008 12:59:08	0.000	0.021	1.184	0.2295	HORSE GULCH CENTRAL
hg77	1,224,000.258	2,317,415.379	6/26/2008	0.00367	0.0025	0.2250	778.7	44.7	26-06-2008 13:05:06	0.016	0.011	0.982	0.2291	HORSE GULCH CENTRAL
hg78	1,223,802.715	2,317,397.598	6/26/2008	0.00000	0.0023	0.1100	781.1	45.1	26-06-2008 13:10:46	0.000	0.010	0.479	0.2296	HORSE GULCH CENTRAL
hg79	1,223,805.440	2,317,187.710	6/26/2008	0.03925	0.0018	0.1226	781.9	45.5	26-06-2008 13:18:12	0.171	0.008	0.534	0.2295	HORSE GULCH CENTRAL
hg80	1,223,596.062	2,317,377.031	6/26/2008	0.00000	0.0021	0.1281	781.2	45.8	26-06-2008 13:29:11	0.000	0.009	0.559	0.2291	HORSE GULCH CENTRAL
hg81	1,223,608.038	2,317,569.761	6/26/2008	0.00000	0.0016	0.2106	782.7	45.9	26-06-2008 13:39:06	0.000	0.007	0.918	0.2295	HORSE GULCH CENTRAL
hg82	1,223,598.993	2,317,793.185	6/26/2008	0.00000	0.0025	0.2556	783.6	45.7	26-06-2008 13:47:50	0.000	0.011	1.112	0.2299	HORSE GULCH CENTRAL
hg83	1,223,803.291	2,318,002.696	6/26/2008	0.00000	0.0021	0.0397	781.0	45.5	26-06-2008 13:56:37	0.000	0.009	0.173	0.2292	HORSE GULCH CENTRAL
hg84	1,223,988.667	2,318,028.186	6/26/2008	0.00000	0.0028	0.3198	781.0	45.3	26-06-2008 14:02:02	0.000	0.012	1.394	0.2294	HORSE GULCH CENTRAL
hg85	1,224,175.749	2,318,215.293	6/26/2008	0.00000	0.0050	0.1640	778.5	45.2	26-06-2008 14:06:35	0.000	0.022	0.717	0.2287	HORSE GULCH CENTRAL
hg86	1,224,369.511	2,318,206.311	6/26/2008	0.00114	0.0011	0.0737	778.5	45.1	26-06-2008 14:12:34	0.005	0.005	0.322	0.2288	HORSE GULCH CENTRAL
hg87	1,224,181.870	2,318,013.133	6/26/2008	0.00000	0.0034	0.1361	778.1	45.0	26-06-2008 14:19:32	0.000	0.015	0.595	0.2287	HORSE GULCH CENTRAL
hg88	1,223,987.959	2,317,811.704	6/26/2008	0.00023	0.0046	0.0922	782.3	45.0	26-06-2008 14:24:02	0.001	0.020	0.401	0.2300	HORSE GULCH CENTRAL
hg89	1,223,797.139	2,317,622.204	6/26/2008	0.00000	0.0025	0.2296	781.8	45.0	26-06-2008 14:29:06	0.000	0.011	0.999	0.2298	HORSE GULCH CENTRAL
hg072908_01	1,223,994.732	2,317,596.038	7/29/2008	0.13081	0.0033	0.2133	793.0	38.7	29-07-2008 10:46:19	0.550	0.014	0.897	0.2378	HORSE GULCH CENTRAL
hg072908_02	1,224,203.846	2,317,587.655	7/29/2008	0.08891	0.0009	0.0633	784.2	39.5	29-07-2008 10:58:03	0.379	0.004	0.270	0.2346	HORSE GULCH CENTRAL
hg072908_03	1,224,200.014	2,317,408.767	7/29/2008	0.07900	0.0014	0.2065	781.2	40.4	29-07-2008 11:06:49	0.339	0.006	0.886	0.2330	HORSE GULCH CENTRAL
hg072908_04	1,224,194.503	2,317,202.417	7/29/2008	0.16759	0.0074	0.3322	779.9	41.1	29-07-2008 11:15:42	0.722	0.032	1.431	0.2321	HORSE GULCH CENTRAL
hg072908_05	1,224,203.768	2,317,795.393	7/29/2008	0.07796	0.0030	0.1261	779.5	42.0	29-07-2008 11:28:07	0.337	0.013	0.545	0.2313	HORSE GULCH CENTRAL
hg072908_06	1,224,207.712	2,318,402.524	7/29/2008	0.02174	0.0009	0.0511	780.3	42.4	29-07-2008 11:42:15	0.094	0.004	0.221	0.2313	HORSE GULCH CENTRAL
hg072908_07	1,224,401.907	2,318,595.759	7/29/2008	0.00463	0.0007	0.1671	781.8	42.4	29-07-2008 11:49:00	0.020	0.003	0.721	0.2317	HORSE GULCH CENTRAL
hg072908_08	1,224,402.179	2,318,404.205	7/29/2008	0.00485	0.0005	0.0783	778.8	42.3	29-07-2008 11:55:57	0.021	0.002	0.339	0.2309	HORSE GULCH CENTRAL
hg072908_09	1,224,398.979	2,318,003.888	7/29/2008	0.02911	0.0007	0.0841	779.5	42.4	29-07-2008 12:06:19	0.126	0.003	0.364	0.2310	HORSE GULCH CENTRAL
hg072908_10	1,224,400.000	2,317,800.000	7/29/2008	0.12663	0.0009	0.1257	778.0	42.9	29-07-2008 12:14:55	0.550	0.004	0.546	0.2302	HORSE GULCH CENTRAL
hg072908_100	1,226,607.855	2,320,595.408	8/4/2008	0.06366	0.0050	0.1700	785.0	34.8	04-08-2008 10:43:53	0.267	0.021	0.713	0.2384	HORSE GULCH CENTRAL
hg072908_101	1,226,602.601	2,320,406.011	8/4/2008	0.00000	0.0017	0.1391	785.5	35.3	04-08-2008 10:49:41	0.000	0.007	0.584	0.2382	HORSE GULCH CENTRAL
hg072908_102	1,226,598.551	2,320,212.213	8/4/2008	0.08401	0.0028	0.6469	783.9	35.8	04-08-2008 10:57:03	0.354	0.012	2.726	0.2373	HORSE GULCH CENTRAL
hg072908_103	1,226,607.386	2,320,012.367	8/4/2008	0.17708	0.0038	0.1170	780.9	36.6	04-08-2008 11:08:16	0.751	0.016	0.496	0.2358	HORSE GULCH CENTRAL

hg072908_104	1,226,595.481	2,319,804.450	8/4/2008	0.09296	0.0028	0.0701	780.9	37.2	04-08-2008 11:17:05	0.395	0.012	0.298	0.2353	HORSE GULCH CENTRAL
hg072908_105	1,226,800.000	2,319,800.000	8/4/2008	0.06541	0.0026	0.3601	779.7	37.9	04-08-2008 11:25:02	0.279	0.011	1.536	0.2344	HORSE GULCH CENTRAL
hg072908_106	1,226,790.259	2,319,990.853	8/4/2008	0.12957	0.0029	0.7449	796.3	38.4	04-08-2008 11:32:30	0.542	0.012	3.116	0.2391	HORSE GULCH CENTRAL
hg072908_107	1,226,795.900	2,320,203.581	8/4/2008	0.00000	0.0023	0.0667	783.5	38.7	04-08-2008 11:37:52	0.000	0.010	0.284	0.2350	HORSE GULCH CENTRAL
hg072908_108	1,226,800.267	2,320,386.514	8/4/2008	0.09055	0.0035	0.2341	782.4	38.8	04-08-2008 11:46:19	0.386	0.015	0.998	0.2346	HORSE GULCH CENTRAL
hg072908_109	1,226,796.755	2,320,603.369	8/4/2008	0.06052	0.0028	0.1281	783.4	39.2	04-08-2008 11:55:20	0.258	0.012	0.546	0.2346	HORSE GULCH CENTRAL
hg072908_11	1,224,406.017	2,317,610.935	7/29/2008	0.06704	0.0016	0.0000	777.0	43.4	29-07-2008 12:23:38	0.292	0.007	-0.657	0.2296	HORSE GULCH CENTRAL
hg072908_110	1,226,785.599	2,320,799.723	8/4/2008	0.07054	0.0023	0.0389	783.4	39.5	04-08-2008 12:01:57	0.301	0.010	0.166	0.2344	HORSE GULCH CENTRAL
hg072908_111	1,226,806.864	2,320,981.802	8/4/2008	0.04259	0.0073	0.2771	783.2	39.9	04-08-2008 12:08:04	0.182	0.031	1.184	0.2340	HORSE GULCH CENTRAL
hg072908_112	1,227,002.915	2,321,200.653	8/4/2008	0.15974	0.0042	0.3645	782.4	40.2	04-08-2008 12:15:14	0.684	0.018	1.561	0.2335	HORSE GULCH CENTRAL
hg072908_113	1,226,985.425	2,320,999.586	8/4/2008	0.13472	0.0023	0.0682	783.5	40.7	04-08-2008 12:22:38	0.577	0.010	0.292	0.2335	HORSE GULCH CENTRAL
hg072908_114	1,227,000.333	2,320,802.486	8/4/2008	0.05238	0.0030	0.1713	782.2	41.1	04-08-2008 12:28:46	0.225	0.013	0.736	0.2328	HORSE GULCH CENTRAL
hg072908_115	1,226,995.907	2,320,592.509	8/4/2008	0.04876	0.0035	0.2399	781.4	41.6	04-08-2008 12:35:12	0.210	0.015	1.033	0.2322	HORSE GULCH CENTRAL
hg072908_116	1,226,998.461	2,320,443.301	8/4/2008	0.17862	0.0056	0.5479	782.4	42.3	04-08-2008 12:45:18	0.770	0.024	2.362	0.2320	HORSE GULCH CENTRAL
hg072908_117	1,226,997.225	2,320,200.582	8/4/2008	0.14312	0.0060	0.6209	783.8	42.9	04-08-2008 12:53:36	0.617	0.026	2.677	0.2320	HORSE GULCH CENTRAL
hg072908_118	1,226,986.824	2,320,001.177	8/4/2008	0.07564	0.0113	0.0000	914.0	43.3	04-08-2008 13:00:13	0.280	0.042	-0.109	0.2701	HORSE GULCH CENTRAL
hg072908_119	1,227,198.897	2,320,208.940	8/4/2008	0.00000	0.0092	0.0844	823.4	43.5	04-08-2008 13:05:56	0.000	0.038	0.347	0.2432	HORSE GULCH CENTRAL
hg072908_12	1,224,591.675	2,317,810.620	7/29/2008	0.01816	0.0018	0.0071	779.1	43.9	29-07-2008 12:33:49	0.079	0.008	0.031	0.2298	HORSE GULCH CENTRAL
hg072908_120	1,227,201.125	2,320,417.346	8/4/2008	0.08099	0.0033	0.7180	788.9	43.9	04-08-2008 13:13:21	0.348	0.014	3.085	0.2327	HORSE GULCH CENTRAL
hg072908_121	1,227,196.150	2,320,588.645	8/4/2008	0.12765	0.0034	0.1038	779.5	44.4	04-08-2008 13:23:24	0.556	0.015	0.452	0.2296	HORSE GULCH CENTRAL
hg072908_122	1,227,208.435	2,320,795.487	8/4/2008	0.00000	0.0032	0.2126	779.5	44.7	04-08-2008 13:30:00	0.000	0.014	0.927	0.2294	HORSE GULCH CENTRAL
hg072908_123	1,227,192.488	2,321,006.666	8/4/2008	0.04514	0.0025	0.0997	779.5	45.0	04-08-2008 13:54:02	0.197	0.011	0.435	0.2292	HORSE GULCH CENTRAL
hg072908_124	1,227,187.684	2,321,224.066	8/4/2008	0.07831	0.0087	0.3332	781.2	45.0	04-08-2008 14:01:23	0.341	0.038	1.451	0.2297	HORSE GULCH CENTRAL
hg072908_125	1,227,204.160	2,321,426.507	8/4/2008	0.19239	0.0007	0.2213	781.2	45.1	04-08-2008 14:07:38	0.838	0.003	0.964	0.2296	HORSE GULCH CENTRAL
hg072908_126	1,227,406.743	2,321,606.361	8/4/2008	0.09241	0.0032	0.0420	780.7	45.3	04-08-2008 14:15:16	0.403	0.014	0.183	0.2293	HORSE GULCH CENTRAL
hg072908_127	1,227,395.967	2,321,405.519	8/4/2008	0.10788	0.0030	0.3608	782.7	45.8	04-08-2008 14:25:16	0.470	0.013	1.572	0.2295	HORSE GULCH CENTRAL
hg072908_13	1,224,610.753	2,318,005.493	7/29/2008	0.08316	0.0023	0.1184	777.3	44.2	29-07-2008 12:42:50	0.363	0.010	0.517	0.2291	HORSE GULCH CENTRAL
hg072908_14	1,224,595.032	2,318,202.360	7/29/2008	0.17585	0.0039	0.1647	776.1	44.7	29-07-2008 12:52:14	0.770	0.017	0.721	0.2284	HORSE GULCH CENTRAL
hg072908_15	1,224,600.000	2,318,400.000	7/29/2008	0.00000	0.0016	0.3833	778.9	45.2	29-07-2008 12:58:42	-0.111	0.007	1.675	0.2288	HORSE GULCH CENTRAL
hg072908_16	1,224,590.983	2,318,601.661	7/29/2008	0.00000	0.0009	0.1299	778.0	45.5	29-07-2008 13:05:46	0.000	0.004	0.569	0.2284	HORSE GULCH CENTRAL
hg072908_17	1,224,598.105	2,318,794.590	7/29/2008	0.00274	0.0007	0.1968	777.0	45.5	29-07-2008 13:11:54	0.012	0.003	0.863	0.2281	HORSE GULCH CENTRAL
hg072908_18	1,224,857.325	2,319,004.528	7/29/2008	0.00000	0.0014	0.1191	780.3	44.9	29-07-2008 13:31:23	0.000	0.006	0.519	0.2295	HORSE GULCH CENTRAL
hg072908_19	1,224,783.935	2,318,801.836	7/29/2008	0.00000	0.0011	0.0310	780.1	44.6	29-07-2008 13:41:17	0.000	0.005	0.135	0.2296	HORSE GULCH CENTRAL
hg072908_20	1,224,786.519	2,318,601.334	7/29/2008	0.04004	0.0007	0.1439	777.0	44.5	29-07-2008 13:48:51	0.175	0.003	0.629	0.2288	HORSE GULCH CENTRAL
hg072908_21	1,224,794.564	2,318,413.447	7/29/2008	0.03717	0.0016	0.1599	779.2	44.5	29-07-2008 13:55:42	0.162	0.007	0.697	0.2294	HORSE GULCH CENTRAL
hg072908_22	1,224,791.924	2,318,196.851	7/29/2008	0.06644	0.0039	0.1614	786.5	44.6	29-07-2008 14:04:27	0.287	0.017	0.697	0.2315	HORSE GULCH CENTRAL
hg072908_23	1,224,989.444	2,318,399.916	7/29/2008	0.04677	0.0014	0.0550	776.5	45.2	29-07-2008 14:16:42	0.205	0.006	0.241	0.2281	HORSE GULCH CENTRAL
hg072908_24	1,224,987.070	2,318,596.526	7/29/2008	0.06102	0.0018	0.0560	779.1	45.7	29-07-2008 14:24:14	0.267	0.008	0.245	0.2285	HORSE GULCH CENTRAL
hg072908_25	1,224,996.427	2,318,792.120	7/29/2008	0.14569	0.0020	0.0000	774.6	46.1	29-07-2008 14:32:20	0.642	0.009	-0.022	0.2269	HORSE GULCH CENTRAL
hg072908_26	1,225,000.977	2,318,998.925	7/29/2008	0.00000	0.0014	0.0798	776.4	46.4	29-07-2008 14:38:46	0.000	0.006	0.351	0.2272	HORSE GULCH CENTRAL
hg072908_27	1,225,005.517	2,319,197.089	7/29/2008	0.00000	0.0016	0.3308	776.9	46.5	29-07-2008 14:43:20	0.000	0.007	1.455	0.2273	HORSE GULCH CENTRAL
hg072908_28	1,225,199.414	2,319,389.773	7/30/2008	0.00000	0.0007	0.1658	777.5	28.6	30-07-2008 08:51:50	0.000	0.003	0.688	0.2410	HORSE GULCH CENTRAL
hg072908_29	1,225,196.528	2,319,195.655	7/30/2008	0.00000	0.0014	0.2095	778.2	29.1	30-07-2008 08:57:21	0.000	0.006	0.870	0.2408	HORSE GULCH CENTRAL
hg072908_30	1,225,178.405	2,319,000.879	7/30/2008	0.02596	0.0017	0.0791	778.2	29.7	30-07-2008 09:03:20	0.108	0.007	0.329	0.2403	HORSE GULCH CENTRAL
hg072908_31	1,225,197.569	2,318,803.477	7/30/2008	0.00840	0.0002	0.0221	778.9	30.5	30-07-2008 09:09:49	0.035	0.001	0.092	0.2399	HORSE GULCH CENTRAL
hg072908_32	1,225,200.000	2,318,600.000	7/30/2008	0.18777	0.0012	0.0778	776.2	31.9	30-07-2008 09:18:11	0.789	0.005	0.327	0.2380	HORSE GULCH CENTRAL
hg072908_33	1,225,403.236	2,318,596.917	7/30/2008	0.04793	0.0000	0.1138	774.6	33.7	30-07-2008 09:28:13	0.203	0.000	0.482	0.2361	HORSE GULCH CENTRAL
hg072908_34	1,225,416.754	2,318,379.956	7/30/2008	0.14452	0.0031	0.1989	775.2	34.9	30-07-2008 09:37:42	0.614	0.013	0.845	0.2354	HORSE GULCH CENTRAL
hg072908_35	1,225,404.807	2,318,798.866	7/30/2008	0.00000	0.0009	0.1306	780.5	35.4	30-07-2008 09:46:08	0.000	0.004	0.552	0.2366	HORSE GULCH CENTRAL
hg072908_36	1,225,393.572	2,319,002.807	7/30/2008	0.01668	0.0009	0.0181	775.4	35.5	30-07-2008 09:50:40	0.071	0.004	0.077	0.2350	HORSE GULCH CENTRAL
hg072908_37	1,225,404.734	2,319,201.397	7/30/2008	0.01766	0.0009	0.1069	777.8	35.8	30-07-2008 09:56:13	0.075	0.004	0.454	0.2355	HORSE GULCH CENTRAL
hg072908_38	1,225,401.897	2,319,399.142	7/30/2008	0.04934	0.0007	0.0813	776.8	36.1	30-07-2008 10:02:25	0.210	0.003	0.346	0.2349	HORSE GULCH CENTRAL
hg072908_39	1,225,394.154	2,319,608.232	7/30/2008	0.11755	0.0012	0.1089	779.1	36.8	30-07-2008 10:10:11	0.500	0.005	0.463	0.2351	HORSE GULCH CENTRAL
hg072908_40	1,225,602.602	2,319,806.218	7/30/2008	0.00000	0.0009	0.1080	782.3	37.7	30-07-2008 10:17:10	0.000	0.004	0.459	0.2354	HORSE GULCH CENTRAL
hg072908_41	1,225,593.954	2,319,584.999	7/30/2008	0.11449	0.0021	0.2002	780.4	38.6	30-07-2008 10:25:23	0.489	0.009	0.855	0.2341	HORSE GULCH CENTRAL
hg072908_42	1,225,591.394	2,319,397.186	7/30/2008	0.16354	0.0019	0.0886	779.6	40.3	30-07-2008 10:36:27	0.703	0.008	0.381	0.2326	HORSE GULCH CENTRAL
hg072908_43	1,225,604.651	2,319,193.247	7/30/2008	0.06287	0.0012	0.1487	779.7	41.2	30-07-2008 10:41:43	0.271	0.005	0.641	0.2320	HORSE GULCH CENTRAL

hg072908 44	1,225,587.581	2,318,984.308	7/30/2008	0.12859	0.0005	0.0286	778.4	42.2	30-07-2008 10:51:44	0.557	0.002	0.124	0.2309	HORSE GULCH CENTRAL
hg072908 45	1,225,587.183	2,318,796.562	7/30/2008	0.04225	0.0021	0.1081	776.1	43.0	30-07-2008 11:05:10	0.184	0.009	0.471	0.2296	HORSE GULCH CENTRAL
hg072908 46	1,225,604.506	2,318,600.944	7/30/2008	0.12248	0.0034	0.1426	774.1	43.7	30-07-2008 11:14:20	0.536	0.015	0.624	0.2285	HORSE GULCH CENTRAL
hg072908 47	1,225,589.223	2,318,399.235	7/30/2008	0.00092	0.0030	0.2442	773.9	42.5	30-07-2008 11:45:06	0.004	0.013	1.065	0.2293	HORSE GULCH CENTRAL
hg072908 48	1,225,801.019	2,318,414.945	7/30/2008	0.01296	0.0016	0.1930	780.4	42.2	30-07-2008 11:52:08	0.056	0.007	0.834	0.2315	HORSE GULCH CENTRAL
hg072908 49	1,225,793.761	2,318,593.437	7/30/2008	0.00000	0.0021	0.0263	777.3	42.0	30-07-2008 12:01:46	0.000	0.009	0.114	0.2307	HORSE GULCH CENTRAL
hg072908 50	1,225,786.054	2,318,807.931	7/30/2008	0.00000	0.0012	0.0031	791.7	42.0	30-07-2008 12:11:10	0.000	0.005	0.013	0.2350	HORSE GULCH CENTRAL
hg072908 51	1,225,804.734	2,318,994.609	7/30/2008	0.00000	0.0009	0.0717	777.3	42.1	30-07-2008 12:19:09	0.000	0.004	0.311	0.2306	HORSE GULCH CENTRAL
hg072908 52	1,225,812.171	2,319,207.187	7/30/2008	0.00000	0.0016	0.2317	774.6	42.4	30-07-2008 12:26:22	0.000	0.007	1.009	0.2296	HORSE GULCH CENTRAL
hg072908 53	1,225,792.169	2,319,407.069	7/30/2008	0.00000	0.0028	0.1619	776.8	42.8	30-07-2008 12:33:42	0.000	0.012	0.704	0.2300	HORSE GULCH CENTRAL
hg072908 54	1,225,802.803	2,319,616.189	7/30/2008	0.07679	0.0044	0.4326	780.0	43.2	30-07-2008 12:40:05	0.333	0.019	1.876	0.2306	HORSE GULCH CENTRAL
hg072908 55	1,225,801.734	2,319,795.543	7/30/2008	0.05825	0.0016	0.1914	782.6	43.5	30-07-2008 12:47:25	0.252	0.007	0.828	0.2312	HORSE GULCH CENTRAL
hg072908 56	1,225,796.929	2,319,998.840	7/30/2008	0.04705	0.0012	0.1008	781.6	43.8	30-07-2008 12:55:32	0.204	0.005	0.437	0.2306	HORSE GULCH CENTRAL
hg072908 57	1,226,001.438	2,320,203.778	7/30/2008	0.07384	0.0046	1.0619	782.4	44.0	30-07-2008 13:03:30	0.320	0.020	4.602	0.2307	HORSE GULCH CENTRAL
hg072908 58	1,226,007.647	2,319,997.961	7/30/2008	0.00000	0.0032	0.2585	784.7	44.5	30-07-2008 13:11:11	0.000	0.014	1.119	0.2311	HORSE GULCH CENTRAL
hg072908 59	1,225,993.795	2,319,803.608	7/30/2008	0.02717	0.0016	0.1045	783.2	45.0	30-07-2008 13:20:50	0.118	0.007	0.454	0.2302	HORSE GULCH CENTRAL
hg072908 60	1,225,989.039	2,319,600.663	7/30/2008	0.00000	0.0021	0.0584	782.8	45.3	30-07-2008 13:35:06	0.000	0.009	0.254	0.2299	HORSE GULCH CENTRAL
hg072908 61	1,225,998.219	2,319,397.459	7/30/2008	0.01122	0.0023	0.1291	779.7	45.4	30-07-2008 13:43:03	0.049	0.010	0.564	0.2289	HORSE GULCH CENTRAL
hg072908 62	1,225,993.397	2,319,200.398	7/30/2008	0.00000	0.0018	0.0673	777.3	45.3	30-07-2008 13:49:22	-0.073	0.008	0.295	0.2283	HORSE GULCH CENTRAL
hg072908 63	1,226,001.714	2,319,010.220	7/30/2008	0.00000	0.0023	0.0711	775.3	45.0	30-07-2008 13:56:04	0.000	0.010	0.312	0.2279	HORSE GULCH CENTRAL
hg072908 64	1,225,995.507	2,318,805.151	7/30/2008	0.01275	0.0016	0.0911	772.9	44.4	30-07-2008 14:07:06	0.056	0.007	0.400	0.2276	HORSE GULCH CENTRAL
hg072908 65	1,225,990.651	2,318,600.474	7/30/2008	0.00478	0.0039	0.3598	771.5	43.9	30-07-2008 14:17:43	0.021	0.017	1.581	0.2276	HORSE GULCH CENTRAL
hg072908 66	1,225,991.520	2,318,403.186	7/30/2008	0.00000	0.0059	0.2964	771.4	44.0	30-07-2008 14:26:12	0.000	0.026	1.303	0.2275	HORSE GULCH CENTRAL
hg072908 67	1,226,195.510	2,318,392.129	7/30/2008	0.03599	0.0025	0.1178	772.6	44.1	30-07-2008 14:33:02	0.158	0.011	0.517	0.2278	HORSE GULCH CENTRAL
hg072908 68	1,226,388.218	2,318,394.583	7/30/2008	0.00000	0.0005	0.0243	767.6	43.3	30-07-2008 14:42:52	0.000	0.002	0.107	0.2269	HORSE GULCH CENTRAL
hg072908 69	1,226,587.050	2,318,406.962	7/30/2008	0.00023	0.0016	0.1049	767.6	43.0	30-07-2008 14:48:16	0.001	0.007	0.462	0.2271	HORSE GULCH CENTRAL
hg072908 70	1,226,190.834	2,320,398.633	7/31/2008	0.15383	0.0012	0.1464	777.6	38.9	31-07-2008 11:49:52	0.660	0.005	0.628	0.2331	HORSE GULCH CENTRAL
hg072908 71	1,226,202.697	2,320,204.837	7/31/2008	0.09233	0.0019	0.2139	800.9	40.0	31-07-2008 12:00:01	0.386	0.008	0.894	0.2392	HORSE GULCH CENTRAL
hg072908 72	1,226,198.330	2,320,013.805	7/31/2008	0.12835	0.0042	0.3494	782.4	41.0	31-07-2008 12:16:23	0.551	0.018	1.500	0.2329	HORSE GULCH CENTRAL
hg072908 73	1,226,200.476	2,319,800.532	7/31/2008	0.03742	0.0021	0.0648	782.4	41.7	31-07-2008 12:18:59	0.161	0.009	0.279	0.2324	HORSE GULCH CENTRAL
hg072908 74	1,226,203.505	2,319,602.782	7/31/2008	0.03450	0.0016	0.0762	781.4	42.5	31-07-2008 12:28:50	0.149	0.007	0.329	0.2315	HORSE GULCH CENTRAL
hg072908 75	1,226,192.971	2,319,397.841	7/31/2008	0.00000	0.0016	0.0293	778.8	43.0	31-07-2008 12:35:07	0.000	0.007	0.127	0.2304	HORSE GULCH CENTRAL
hg072908 76	1,226,183.826	2,319,191.641	7/31/2008	0.06585	0.0016	0.1317	776.6	43.4	31-07-2008 12:43:25	0.287	0.007	0.574	0.2295	HORSE GULCH CENTRAL
hg072908 77	1,226,189.839	2,318,997.695	7/31/2008	0.08089	0.0025	0.1765	774.6	46.6	31-07-2008 13:14:48	0.357	0.011	0.779	0.2266	HORSE GULCH CENTRAL
hg072908 78	1,226,189.895	2,318,805.022	7/31/2008	0.00000	0.0023	0.1236	773.0	46.8	31-07-2008 13:24:00	0.000	0.010	0.547	0.2260	HORSE GULCH CENTRAL
hg072908 79	1,226,198.316	2,318,601.749	7/31/2008	0.05229	0.0027	0.0651	771.5	47.0	31-07-2008 13:31:58	0.232	0.012	0.289	0.2254	HORSE GULCH CENTRAL
hg072908 80	1,226,396.377	2,318,616.552	7/31/2008	0.00000	0.0020	0.0603	770.4	47.2	31-07-2008 13:37:39	0.000	0.009	0.268	0.2249	HORSE GULCH CENTRAL
hg072908 81	1,226,593.363	2,318,613.750	7/31/2008	0.03054	0.0022	0.1509	769.8	47.5	31-07-2008 13:45:50	0.136	0.010	0.672	0.2245	HORSE GULCH CENTRAL
hg072908 82	1,226,586.867	2,318,794.064	7/31/2008	0.00000	0.0025	0.0635	767.4	47.9	31-07-2008 13:52:39	0.000	0.011	0.284	0.2236	HORSE GULCH CENTRAL
hg072908 83	1,226,403.628	2,318,808.022	7/31/2008	0.00000	0.0022	0.1789	770.6	48.0	31-07-2008 13:58:17	0.000	0.010	0.797	0.2244	HORSE GULCH CENTRAL
hg072908 84	1,226,389.458	2,319,003.894	7/31/2008	0.07531	0.0025	0.2043	772.1	48.1	31-07-2008 14:06:28	0.335	0.011	0.909	0.2248	HORSE GULCH CENTRAL
hg072908 85	1,226,597.068	2,319,019.350	7/31/2008	0.00000	0.0020	0.0000	773.6	48.2	31-07-2008 14:13:57	0.000	0.009	-0.017	0.2252	HORSE GULCH CENTRAL
hg072908 86	1,226,595.537	2,319,195.717	7/31/2008	0.03491	0.0018	0.0306	774.0	48.3	31-07-2008 14:20:26	0.155	0.008	0.136	0.2252	HORSE GULCH CENTRAL
hg072908 87	1,226,404.263	2,319,200.397	7/31/2008	0.00000	0.0036	0.1205	775.4	48.3	31-07-2008 14:27:36	0.000	0.016	0.534	0.2256	HORSE GULCH CENTRAL
hg072908 88	1,226,400.963	2,319,398.501	7/31/2008	0.00000	0.0018	0.0818	774.4	48.4	31-07-2008 14:35:02	0.000	0.008	0.363	0.2253	HORSE GULCH CENTRAL
hg072908 89	1,226,603.102	2,319,406.799	7/31/2008	0.02305	0.0020	0.0000	777.2	48.5	31-07-2008 14:42:17	0.102	0.009	0.914	0.2260	HORSE GULCH CENTRAL
hg072908 90	1,226,788.719	2,319,602.770	7/31/2008	0.01316	0.0030	0.3068	780.7	48.6	31-07-2008 14:51:06	0.058	0.013	1.352	0.2269	HORSE GULCH CENTRAL
hg072908 91	1,226,605.511	2,319,610.289	7/31/2008	0.03541	0.0068	0.2179	780.7	48.5	31-07-2008 14:59:41	0.156	0.030	0.960	0.2270	HORSE GULCH CENTRAL
hg072908 92	1,226,402.772	2,319,600.244	7/31/2008	0.00000	0.0023	0.0853	778.1	48.4	31-07-2008 15:05:58	0.000	0.010	0.377	0.2263	HORSE GULCH CENTRAL
hg072908 93	1,226,401.988	2,319,801.105	7/31/2008	0.04460	0.0032	0.2106	778.9	48.6	31-07-2008 15:14:41	0.197	0.014	0.930	0.2264	HORSE GULCH CENTRAL
hg072908 94	1,226,405.826	2,320,003.858	7/31/2008	0.00045	0.0025	0.0722	781.3	48.8	31-07-2008 15:19:56	0.002	0.011	0.318	0.2270	HORSE GULCH CENTRAL
hg072908 95	1,226,399.840	2,320,192.501	7/31/2008	0.00136	0.0027	0.0758	779.5	48.9	31-07-2008 15:25:20	0.006	0.012	0.335	0.2264	HORSE GULCH CENTRAL
hg072908 96	1,226,408.453	2,320,396.721	7/31/2008	0.00954	0.0030	0.1742	782.1	48.9	31-07-2008 15:30:11	0.042	0.013	0.767	0.2271	HORSE GULCH CENTRAL
hg072908 97	1,226,393.481	2,320,590.013	8/4/2008	0.18823	0.0031	0.1105	785.2	33.9	04-08-2008 10:23:40	0.787	0.013	0.462	0.2392	HORSE GULCH CENTRAL
hg072908 98	1,226,401.518	2,320,788.163	8/4/2008	0.06380	0.0041	0.1665	785.2	34.2	04-08-2008 10:30:52	0.267	0.017	0.697	0.2389	HORSE GULCH CENTRAL
hg072908 99	1,226,597.637	2,320,792.645	8/4/2008	0.04785	0.0024	0.0675	787.0	34.5	04-08-2008 10:37:01	0.200	0.010	0.282	0.2393	HORSE GULCH CENTRAL
hg091908 10	1,227,988.400	2,320,590.323	9/19/2008	0.00000	0.0014	0.1515	775.4	34.1	19-09-2008 11:18:00	0.000	0.006	0.642	0.2360	HORSE GULCH CENTRAL

hg091908 11	1,227,996.535	2,320,786.908	9/19/2008	0.01180	0.0021	0.3480	776.6	34.7	19-09-2008 11:25:21	0.050	0.009	1.475	0.2359	HORSE GULCH CENTRAL
hg091908 12	1,228,006.161	2,320,996.094	9/19/2008	0.04284	0.0012	0.0548	775.8	35.1	19-09-2008 11:31:18	0.182	0.005	0.233	0.2354	HORSE GULCH CENTRAL
hg091908 13	1,227,998.196	2,321,204.681	9/19/2008	0.00492	0.0014	0.0054	774.6	36.0	19-09-2008 11:40:48	0.021	0.006	0.023	0.2343	HORSE GULCH CENTRAL
hg091908 14	1,227,994.196	2,321,400.967	9/19/2008	0.00000	0.0023	0.0521	777.3	36.5	19-09-2008 11:44:34	0.000	0.010	0.222	0.2348	HORSE GULCH CENTRAL
hg091908 15	1,227,990.167	2,321,599.995	9/19/2008	0.03029	0.0016	0.0817	778.0	36.8	19-09-2008 11:47:33	0.129	0.007	0.348	0.2348	HORSE GULCH CENTRAL
hg091908 16	1,228,000.343	2,321,790.015	9/19/2008	0.01103	0.0096	0.1204	778.7	37.1	19-09-2008 11:51:11	0.047	0.041	0.513	0.2348	HORSE GULCH CENTRAL
hg091908 17	1,228,000.924	2,321,989.451	9/19/2008	0.00000	0.0099	0.1081	780.1	37.4	19-09-2008 11:54:16	0.000	0.042	0.460	0.2349	HORSE GULCH CENTRAL
hg091908 18	1,227,995.026	2,322,194.163	9/19/2008	0.00000	0.0028	0.1187	781.2	37.7	19-09-2008 11:57:59	0.000	0.012	0.505	0.2351	HORSE GULCH CENTRAL
hg091908 19	1,227,818.293	2,321,994.788	9/19/2008	0.00659	0.0031	0.1177	783.1	38.1	19-09-2008 12:04:57	0.028	0.013	0.500	0.2353	HORSE GULCH CENTRAL
hg091908 20	1,227,799.929	2,321,804.493	9/19/2008	0.00540	0.0007	0.0312	781.1	38.3	19-09-2008 12:09:09	0.023	0.003	0.133	0.2346	HORSE GULCH CENTRAL
hg091908 21	1,227,792.626	2,321,599.293	9/19/2008	0.00000	0.0136	0.1501	780.0	38.4	19-09-2008 12:13:31	0.000	0.058	0.641	0.2342	HORSE GULCH CENTRAL
hg091908 22	1,227,801.664	2,321,413.796	9/19/2008	0.00070	0.0019	0.1007	778.4	38.6	19-09-2008 12:16:55	0.003	0.008	0.431	0.2335	HORSE GULCH CENTRAL
hg091908 23	1,227,795.534	2,321,213.037	9/19/2008	0.00000	0.0019	0.1162	780.0	38.8	19-09-2008 12:20:54	-0.002	0.008	0.497	0.2339	HORSE GULCH CENTRAL
hg091908 24	1,227,801.642	2,320,993.434	9/19/2008	0.00000	0.0014	0.2335	778.4	39.0	19-09-2008 12:26:35	0.000	0.006	1.001	0.2332	HORSE GULCH CENTRAL
hg091908 25	1,227,811.081	2,320,788.359	9/19/2008	0.00023	0.0014	0.0970	776.5	39.2	19-09-2008 12:29:57	0.001	0.006	0.417	0.2325	HORSE GULCH CENTRAL
hg091908 26	1,227,796.805	2,320,606.748	9/19/2008	0.00000	0.0019	0.0803	775.8	39.4	19-09-2008 12:33:12	0.000	0.008	0.346	0.2322	HORSE GULCH CENTRAL
hg091908 27	1,227,601.076	2,320,396.258	9/19/2008	0.00000	0.0009	0.0315	779.6	39.7	19-09-2008 12:37:44	-0.010	0.004	0.135	0.2331	HORSE GULCH CENTRAL
hg091908 28	1,227,594.502	2,320,603.002	9/19/2008	0.00000	0.0019	0.0039	777.9	40.2	19-09-2008 12:44:57	0.000	0.008	0.017	0.2322	HORSE GULCH CENTRAL
hg091908 29	1,227,598.519	2,320,801.846	9/19/2008	0.00000	0.0016	0.0976	777.7	40.5	19-09-2008 12:49:09	0.000	0.007	0.421	0.2319	HORSE GULCH CENTRAL
hg091908 30	1,227,607.108	2,320,998.852	9/19/2008	0.00000	0.0016	0.0789	776.0	40.6	19-09-2008 12:53:02	0.000	0.007	0.341	0.2313	HORSE GULCH CENTRAL
hg091908 31	1,227,599.932	2,321,209.255	9/19/2008	0.00023	0.0009	0.0946	780.0	40.7	19-09-2008 12:55:55	0.001	0.004	0.407	0.2324	HORSE GULCH CENTRAL
hg091908 32	1,227,600.375	2,321,406.160	9/19/2008	0.00000	0.0012	0.0430	779.3	40.7	19-09-2008 13:00:24	0.000	0.005	0.185	0.2322	HORSE GULCH CENTRAL
hg091908 33	1,227,599.513	2,321,600.512	9/19/2008	0.00000	0.0009	0.0868	778.8	40.6	19-09-2008 13:02:40	0.000	0.004	0.374	0.2322	HORSE GULCH CENTRAL
hg091908 34	1,227,597.314	2,321,785.643	9/19/2008	0.00046	0.0009	0.0607	779.3	40.5	19-09-2008 13:05:13	0.002	0.004	0.261	0.2324	HORSE GULCH CENTRAL
hg091908 35	1,227,404.638	2,321,202.154	9/19/2008	0.00000	0.0012	0.0437	778.7	40.0	19-09-2008 13:11:30	0.000	0.005	0.188	0.2326	HORSE GULCH CENTRAL
hg091908 36	1,227,398.674	2,321,006.888	9/19/2008	0.00000	0.0023	0.0509	780.5	39.7	19-09-2008 13:15:06	0.000	0.010	0.218	0.2333	HORSE GULCH CENTRAL
hg091908 37	1,227,403.523	2,320,808.836	9/19/2008	0.00023	0.0012	0.0829	779.6	39.2	19-09-2008 13:19:16	0.001	0.005	0.355	0.2334	HORSE GULCH CENTRAL
hg091908 38	1,227,399.843	2,320,618.765	9/19/2008	0.00000	0.0016	0.0856	777.7	38.8	19-09-2008 13:22:33	0.000	0.007	0.367	0.2332	HORSE GULCH CENTRAL
fr14	1,235,474.628	2,331,824.415	12/20/2007	2.87228	0.0026	0.4514	790.9	34.1221	20-12-2007 23:52:05	11.931	0.011	1.875	0.2407	FLORIDA RIVER WEST
fr06	1,235,110.770	2,332,109.785	12/20/2007	0.45888	0.0042	0.1874	792.78	26.4303	20-12-2007 22:42:46	1.854	0.017	0.757	0.2475	FLORIDA RIVER WEST
fr11	1,234,953.120	2,331,962.942	12/20/2007	0.02966	0.0000	0.0000	792.78	31.8519	20-12-2007 23:23:02	0.122	0.000	0.000	0.2431	FLORIDA RIVER WEST
fr12	1,235,151.442	2,331,973.024	12/20/2007	0.00000	0.0000	0.0000	792.11	32.5253	20-12-2007 23:33:12	0.000	0.000	0.000	0.2424	FLORIDA RIVER WEST
fr13	1,235,342.221	2,331,971.552	12/20/2007	0.03847	0.0075	0.2146	792.25	33.0856	20-12-2007 23:40:33	0.159	0.031	0.887	0.2420	FLORIDA RIVER WEST
fr15	1,235,557.288	2,331,764.030	12/20/2007	0.05478	0.0014	0.0831	790.9	34.7427	20-12-2007 23:57:40	0.228	0.006	0.346	0.2403	FLORIDA RIVER WEST
fr16	1,235,357.892	2,331,785.493	12/20/2007	4.65900	0.0026	0.2829	790.9	35.4119	20-12-2007 00:03:20	19.434	0.011	1.180	0.2397	FLORIDA RIVER WEST
fr17	1,235,365.723	2,331,576.716	12/20/2007	0.07549	0.0017	0.0506	791.47	36.7242	20-12-2007 00:15:44	0.316	0.007	0.212	0.2389	FLORIDA RIVER WEST
fr080508 114	1,232,994.875	2,326,798.589		0.00000	0.0000	0.0000				0.000	0.000	0.000	0.0000	FLORIDA RIVER WEST
fr33	1,235,180.174	2,331,769.719	12/24/2007	0.04084	0.0032	0.0353	789.01	30.3919	24-12-2007 01:19:33	0.168	0.013	0.145	0.2431	FLORIDA RIVER WEST
fr34	1,235,227.798	2,331,660.318	12/24/2007	0.42116	0.0019	0.3586	789.01	32.6139	24-12-2007 01:25:20	1.745	0.008	1.486	0.2414	FLORIDA RIVER WEST
fr35	1,235,098.358	2,331,786.942	12/24/2007	0.38224	0.0070	0.8379	788.74	34.4881	24-12-2007 01:30:44	1.594	0.029	3.494	0.2398	FLORIDA RIVER WEST
fr36	1,234,949.288	2,331,773.699	12/24/2007	0.13398	0.0031	1.1969	789.99	36.2433	24-12-2007 01:37:34	0.561	0.013	5.012	0.2388	FLORIDA RIVER WEST
fr37	1,234,757.710	2,331,764.694	12/24/2007	0.07194	0.0028	0.0962	788.91	37.6352	24-12-2007 01:43:39	0.303	0.012	0.405	0.2374	FLORIDA RIVER WEST
fr38	1,234,546.212	2,331,543.283	12/24/2007	0.15382	0.0028	0.0691	789.04	39.6662	24-12-2007 01:52:25	0.652	0.012	0.293	0.2359	FLORIDA RIVER WEST
fr39	1,234,553.120	2,331,362.942	12/24/2007	0.15039	0.0063	0.1691	787.42	41.2398	24-12-2007 01:59:23	0.642	0.027	0.722	0.2343	FLORIDA RIVER WEST
fr40	1,234,746.452	2,331,553.244	12/24/2007	0.14060	0.0047	0.1905	786.48	42.3405	24-12-2007 02:07:27	0.603	0.020	0.817	0.2332	FLORIDA RIVER WEST
fr41	1,234,953.120	2,331,562.942	12/24/2007	0.10053	0.0019	0.2420	786.48	42.955	24-12-2007 02:13:08	0.432	0.008	1.040	0.2327	FLORIDA RIVER WEST
fr42	1,234,953.729	2,331,622.490	12/24/2007	0.08770	0.0054	0.1935	787.29	43.3988	24-12-2007 02:18:00	0.377	0.023	0.832	0.2326	FLORIDA RIVER WEST
fr43	1,235,148.269	2,331,537.630	12/24/2007	0.11140	0.0049	0.3757	786.88	43.9658	24-12-2007 02:25:00	0.480	0.021	1.619	0.2321	FLORIDA RIVER WEST
fr44	1,235,549.420	2,331,378.134	12/24/2007	0.07919	0.0042	0.0880	786.61	44.5837	24-12-2007 02:35:37	0.342	0.018	0.380	0.2316	FLORIDA RIVER WEST
fr45	1,234,964.279	2,331,347.733	12/24/2007	0.02681	0.0035	0.2149	785.81	44.8925	24-12-2007 02:54:45	0.116	0.015	0.930	0.2311	FLORIDA RIVER WEST
fr46	1,235,151.669	2,331,369.689	12/24/2007	0.03813	0.0032	0.0813	785.81	44.9327	24-12-2007 03:01:46	0.165	0.014	0.352	0.2311	FLORIDA RIVER WEST
fr47	1,235,351.699	2,331,368.407	12/24/2007	0.02172	0.0021	0.1555	786.08	45.0361	24-12-2007 03:08:27	0.094	0.009	0.673	0.2311	FLORIDA RIVER WEST
fr48	1,235,348.242	2,331,165.243	12/24/2007	0.00000	0.0032	0.1637	786.08	45.3217	24-12-2007 03:15:13	0.000	0.014	0.709	0.2309	FLORIDA RIVER WEST
fr49	1,235,153.120	2,331,162.942	12/24/2007	0.06920	0.0021	0.2650	786.08	45.5718	24-12-2007 03:22:32	0.300	0.009	1.149	0.2307	FLORIDA RIVER WEST
fr50	1,234,959.523	2,331,170.982	12/24/2007	0.03386	0.0014	3.2056	785.13	45.7004	24-12-2007 03:28:17	0.147	0.006	13.919	0.2303	FLORIDA RIVER WEST
fr51	1,234,756.948	2,331,158.191	12/24/2007	0.04214	0.0021	0.2319	785.27	45.7942	24-12-2007 03:34:18	0.183	0.009	1.007	0.2303	FLORIDA RIVER WEST
fr52	1,234,557.887	2,331,160.365	12/24/2007	0.00000	0.0000	0.0000	785.81	45.8	24-12-2007 03:40:40	0.000	0.000	0.000	0.2304	FLORIDA RIVER WEST

fr53	1,234,551.044	2,330,965.189	12/24/2007	0.00000	0.0000	0.0000	786.61	45.7078	24-12-2007 03:46:51	0.000	0.000	0.000	0.0000	FLORIDA RIVER WEST
fr54	1,234,757.309	2,330,965.255	12/24/2007	0.00000	0.0000	0.0000	786.61		24-12-2007 03:53:01	0.000	0.000	0.000	0.0000	FLORIDA RIVER WEST
fr55	1,234,797.179	2,330,927.558		0.00000	0.0000	0.0000	381.67			0.000	0.000	0.000	0.0000	FLORIDA RIVER WEST
fr56	1,234,847.588	2,331,013.701	12/24/2007	0.00000	0.0016	0.1793	784.86	45.8177	24-12-2007 04:05:09	0.000	0.007	0.779	0.2301	FLORIDA RIVER WEST
fr57	1,234,958.998	2,331,080.619	12/24/2007	0.11783	0.0028	0.2729	785.27	45.9872	24-12-2007 04:12:04	0.512	0.012	1.186	0.2301	FLORIDA RIVER WEST
fr58	1,235,054.411	2,331,176.994	12/24/2007	0.03430	0.0009	0.2288	785.54	46.0585	24-12-2007 04:16:23	0.149	0.004	0.994	0.2302	FLORIDA RIVER WEST
fr59	1,234,938.129	2,330,955.445	12/24/2007	0.01764	0.0028	0.4894	792.14	46.1004	24-12-2007 04:22:06	0.076	0.012	2.109	0.2321	FLORIDA RIVER WEST
fr60	1,235,156.985	2,330,966.630	12/24/2007	0.05864	0.0014	0.1191	788.37	46.2141	24-12-2007 04:27:38	0.254	0.006	0.516	0.2309	FLORIDA RIVER WEST
fr61	1,235,138.419	2,330,754.280	12/24/2007	0.22969	0.0011	0.0000	784.59	46.3433	24-12-2007 04:33:39	1.000	0.005	0.000	0.2297	FLORIDA RIVER WEST
fr62	1,234,946.234	2,330,766.001	12/24/2007	0.00000	0.0000	0.0000	784.59	46.4	24-12-2007 04:40:23	0.000	0.000	0.000	0.2296	FLORIDA RIVER WEST
fr63	1,234,754.222	2,330,753.887	12/24/2007	0.00459	0.0016	0.0000	784.86	46.3773	24-12-2007 04:46:02	0.020	0.007	0.000	0.2297	FLORIDA RIVER WEST
fr64	1,234,540.377	2,330,780.371	12/24/2007	0.00000	0.0000	0.0000	785.54	46.1442	24-12-2007 04:53:38	0.000	0.000	0.000	0.2301	FLORIDA RIVER WEST
fr65	1,234,743.521	2,331,360.053	12/24/2007	0.00000	0.0000	0.0000	787.02	45.9	24-12-2007 05:01:39	0.000	0.000	0.000	0.2307	FLORIDA RIVER WEST
fr080508_01	1,235,002.197	2,330,605.069	8/5/2008	0.06193	0.0000	0.1731	788.2	29.2	05-08-2008 09:16:10	0.254	-0.002	0.710	0.2438	FLORIDA RIVER WEST
fr080508_02	1,234,791.872	2,330,608.836	8/5/2008	0.13096	0.0000	0.1297	788.2	29.7	05-08-2008 09:25:22	0.538	-0.001	0.533	0.2434	FLORIDA RIVER WEST
fr080508_03	1,234,596.405	2,330,599.512	8/5/2008	0.10675	0.0012	0.2386	788.7	30.2	05-08-2008 09:36:23	0.439	0.005	0.981	0.2432	FLORIDA RIVER WEST
fr080508_04	1,234,406.125	2,330,598.942	8/5/2008	0.04155	0.0010	0.1463	789.1	30.6	05-08-2008 09:43:31	0.171	0.004	0.602	0.2430	FLORIDA RIVER WEST
fr080508_05	1,234,185.386	2,330,596.155	8/5/2008	0.07393	0.0007	0.0911	798.4	30.9	05-08-2008 09:51:12	0.301	0.003	0.371	0.2456	FLORIDA RIVER WEST
fr080508_06	1,233,992.008	2,330,389.104	8/5/2008	0.11994	0.0007	0.1592	798.4	31.3	05-08-2008 09:59:58	0.489	0.003	0.649	0.2453	FLORIDA RIVER WEST
fr080508_07	1,234,199.044	2,330,398.424	8/5/2008	0.00000	0.0015	0.3060	789.0	31.0	05-08-2008 10:12:59	0.000	0.006	1.261	0.2426	FLORIDA RIVER WEST
fr080508_08	1,234,402.212	2,330,399.065	8/5/2008	0.09520	0.0090	0.0896	789.0	31.5	05-08-2008 10:19:54	0.393	0.037	0.370	0.2422	FLORIDA RIVER WEST
fr080508_09	1,234,581.736	2,330,399.926	8/5/2008	0.00000	0.0017	0.8324	789.0	31.9	05-08-2008 10:24:57	0.000	0.007	3.441	0.2419	FLORIDA RIVER WEST
fr080508_10	1,234,805.889	2,330,397.067	8/5/2008	0.28731	0.0007	0.2006	789.4	32.4	05-08-2008 10:32:51	1.189	0.003	0.830	0.2416	FLORIDA RIVER WEST
fr080508_100	1,233,387.906	2,327,199.500	8/11/2008	0.16793	0.0019	0.1640	772.3	38.7	11-08-2008 11:06:00	0.725	0.008	0.708	0.2316	FLORIDA RIVER WEST
fr080508_101	1,233,203.484	2,327,012.418	8/11/2008	0.06795	0.0039	0.0111	771.3	39.0	11-08-2008 11:15:01	0.294	0.017	0.048	0.2311	FLORIDA RIVER WEST
fr080508_102	1,232,985.979	2,327,006.411	8/11/2008	0.14065	0.0025	1.1352	771.3	39.2	11-08-2008 11:23:19	0.609	0.011	4.915	0.2310	FLORIDA RIVER WEST
fr080508_103	1,232,790.098	2,327,012.095	8/11/2008	0.00000	0.0030	0.1763	777.0	39.3	11-08-2008 11:30:41	0.000	0.013	0.758	0.2326	FLORIDA RIVER WEST
fr080508_104	1,232,583.653	2,327,002.394	8/11/2008	0.01966	0.0002	0.2186	774.6	40.1	11-08-2008 11:47:50	0.085	0.001	0.945	0.2313	FLORIDA RIVER WEST
fr080508_105	1,232,403.843	2,326,990.101	8/11/2008	0.02838	0.0000	0.0242	774.7	40.9	11-08-2008 11:56:39	0.123	0.000	0.105	0.2307	FLORIDA RIVER WEST
fr080508_106	1,232,197.750	2,326,999.441	8/11/2008	0.21843	0.0035	0.3488	777.6	42.5	11-08-2008 12:21:50	0.948	0.015	1.514	0.2304	FLORIDA RIVER WEST
fr080508_107	1,231,996.862	2,326,987.764	8/11/2008	0.00368	0.0021	0.3065	777.7	43.0	11-08-2008 12:31:08	0.016	0.009	1.332	0.2301	FLORIDA RIVER WEST
fr080508_108	1,231,804.500	2,326,808.511	8/11/2008	0.03335	0.0000	0.0000	778.1	43.3	11-08-2008 12:42:47	0.145	0.000	-0.130	0.2300	FLORIDA RIVER WEST
fr080508_109	1,231,994.393	2,326,802.035	8/11/2008	0.04480	0.0034	0.4763	778.1	43.6	11-08-2008 12:50:00	0.195	0.015	2.073	0.2298	FLORIDA RIVER WEST
fr080508_11	1,234,999.287	2,330,405.419	8/5/2008	0.00628	0.0085	0.3608	789.5	32.6	05-08-2008 10:38:09	0.026	0.035	1.494	0.2415	FLORIDA RIVER WEST
fr080508_110	1,232,187.400	2,326,801.519	8/11/2008	0.08717	0.0021	0.3916	777.6	43.9	11-08-2008 12:56:10	0.380	0.009	1.707	0.2294	FLORIDA RIVER WEST
fr080508_111	1,232,392.712	2,326,796.386	8/11/2008	0.13812	0.0048	0.5617	777.2	44.2	11-08-2008 13:03:02	0.603	0.021	2.452	0.2291	FLORIDA RIVER WEST
fr080508_112	1,232,598.740	2,326,796.470	8/11/2008	0.14744	0.0037	0.7272	775.4	44.6	11-08-2008 13:10:57	0.646	0.016	3.186	0.2282	FLORIDA RIVER WEST
fr080508_113	1,232,788.353	2,326,791.264	8/11/2008	0.29267	0.0077	0.1171	773.3	44.9	11-08-2008 13:18:41	1.287	0.034	0.515	0.2274	FLORIDA RIVER WEST
fr080508_115	1,231,803.553	2,326,591.048	8/12/2008	0.08256	0.0000	0.0436	788.3	27.8	12-08-2008 08:42:56	0.337	0.000	0.178	0.2450	FLORIDA RIVER WEST
fr080508_116	1,232,004.826	2,326,585.199	8/12/2008	0.00797	0.0024	0.1494	778.9	28.6	12-08-2008 08:49:33	0.033	0.010	0.619	0.2414	FLORIDA RIVER WEST
fr080508_117	1,232,191.767	2,326,595.801	8/12/2008	0.01466	0.0010	0.0505	777.4	29.3	12-08-2008 08:56:09	0.061	0.004	0.210	0.2404	FLORIDA RIVER WEST
fr080508_118	1,232,384.781	2,326,598.905	8/12/2008	0.23490	0.0036	0.1811	775.3	30.0	12-08-2008 09:02:47	0.982	0.015	0.757	0.2392	FLORIDA RIVER WEST
fr080508_119	1,232,597.491	2,326,570.774	2/18/2008	0.00000	0.0012	0.0596	770.82	37.7455	18-02-2008 23:15:24	0.000	0.005	0.257	0.2319	FLORIDA RIVER WEST
fr080508_12	1,234,811.509	2,330,205.583	8/6/2008	0.22940	0.0081	0.4298	797.0	32.3	06-08-2008 12:27:04	0.940	0.033	1.761	0.2440	FLORIDA RIVER WEST
fr080508_120	1,232,803.921	2,326,591.395	2/18/2008	0.00000	0.0007	0.1683	769.76	37.863	18-02-2008 23:23:29	0.000	0.003	0.727	0.2315	FLORIDA RIVER WEST
fr080508_121	1,232,998.470	2,326,592.651	2/18/2008	0.00000	0.0035	0.3830	769.76	37.9363	18-02-2008 23:29:04	0.000	0.015	1.655	0.2314	FLORIDA RIVER WEST
fr080508_122	1,232,987.995	2,326,399.553	2/18/2008	0.00000	0.0012	0.1001	769.33	38.1604	18-02-2008 23:36:22	0.000	0.005	0.433	0.2311	FLORIDA RIVER WEST
fr080508_123	1,232,804.626	2,326,394.075	2/18/2008	0.08811	0.0009	0.0307	768.95	38.6539	18-02-2008 23:45:14	0.382	0.004	0.133	0.2307	FLORIDA RIVER WEST
fr080508_124	1,232,605.053	2,326,399.279	2/18/2008	0.03927	0.0009	0.0000	770.84	38.9644	18-02-2008 23:53:28	0.170	0.004	-1.139	0.2310	FLORIDA RIVER WEST
fr080508_125	1,232,398.825	2,326,396.261	2/18/2008	0.00741	0.0009	0.1280	772.32	39	18-02-2008 00:00:52	0.032	0.004	0.553	0.2314	FLORIDA RIVER WEST
fr080508_126	1,232,202.371	2,326,396.089	2/18/2008	0.00094	0.0028	0.2757	785.67	39	18-02-2008 00:06:25	0.004	0.012	1.171	0.2354	FLORIDA RIVER WEST
fr080508_127	1,232,004.842	2,326,409.170	2/18/2008	0.02393	0.0026	0.2506	775.02	38.9	18-02-2008 00:12:00	0.103	0.011	1.079	0.2323	FLORIDA RIVER WEST
fr080508_128	1,231,793.457	2,326,413.761	2/18/2008	0.00815	0.0035	0.5472	777.18	39	18-02-2008 00:18:54	0.035	0.015	2.350	0.2329	FLORIDA RIVER WEST
fr080508_129	1,231,601.821	2,326,392.716	2/18/2008	0.00513	0.0026	0.1804	778.26	39.143	18-02-2008 00:23:48	0.022	0.011	0.774	0.2331	FLORIDA RIVER WEST
fr080508_13	1,234,591.571	2,330,193.356	8/6/2008	0.08416	0.0019	0.2216	797.0	33.3	06-08-2008 12:34:19	0.346	0.008	0.911	0.2432	FLORIDA RIVER WEST
fr080508_14	1,234,398.761	2,330,199.287	8/6/2008	0.12360	0.0036	0.4829	789.7	34.0	06-08-2008 12:39:32	0.514	0.015	2.008	0.2405	FLORIDA RIVER WEST
fr080508_15	1,234,193.561	2,330,190.035	8/6/2008	0.20182	0.0053	0.4175	788.5	34.9	06-08-2008 12:45:40	0.843	0.022	1.744	0.2394	FLORIDA RIVER WEST

fr080508_16	1,234,006.931	2,330,199.091	8/6/2008	0.19845	0.0071	0.4205	805.3	35.8	06-08-2008 12:51:56	0.814	0.029	1.725	0.2438	FLORIDA RIVER WEST
fr080508_17	1,233,802.040	2,330,009.812	8/6/2008	0.01930	0.0019	0.0786	789.5	36.8	06-08-2008 13:00:09	0.081	0.008	0.330	0.2382	FLORIDA RIVER WEST
fr080508_18	1,233,992.462	2,329,995.773	8/6/2008	0.08053	0.0084	0.9024	795.8	37.4	06-08-2008 13:05:09	0.336	0.035	3.765	0.2397	FLORIDA RIVER WEST
fr080508_19	1,234,220.682	2,330,003.336	8/6/2008	0.09211	0.0097	0.6792	790.0	38.1	06-08-2008 13:11:46	0.388	0.041	2.861	0.2374	FLORIDA RIVER WEST
fr080508_20	1,234,399.772	2,330,007.069	8/6/2008	0.23217	0.0090	0.9865	790.9	39.1	06-08-2008 13:19:06	0.980	0.038	4.164	0.2369	FLORIDA RIVER WEST
fr080508_21	1,234,606.120	2,330,008.563	8/6/2008	0.13774	0.0019	0.3972	787.8	39.8	06-08-2008 13:24:36	0.585	0.008	1.687	0.2354	FLORIDA RIVER WEST
fr080508_22	1,234,790.977	2,329,995.135	8/6/2008	0.03166	0.0014	0.2247	786.5	40.5	06-08-2008 13:31:26	0.135	0.006	0.958	0.2345	FLORIDA RIVER WEST
fr080508_23	1,234,594.187	2,329,781.859	8/6/2008	0.13895	0.0012	0.1156	784.9	41.2	06-08-2008 13:39:43	0.595	0.005	0.495	0.2335	FLORIDA RIVER WEST
fr080508_24	1,234,387.315	2,329,802.530	8/6/2008	0.18937	0.0054	0.3643	783.4	41.8	06-08-2008 13:49:11	0.814	0.023	1.566	0.2326	FLORIDA RIVER WEST
fr080508_25	1,234,187.910	2,329,801.444	8/6/2008	0.08694	0.0044	0.3305	785.9	42.2	06-08-2008 13:56:18	0.373	0.019	1.418	0.2331	FLORIDA RIVER WEST
fr080508_26	1,233,987.190	2,329,788.485	8/6/2008	0.06746	0.0047	0.4951	788.0	42.6	06-08-2008 14:01:51	0.289	0.020	2.121	0.2334	FLORIDA RIVER WEST
fr080508_27	1,233,792.859	2,329,793.356	8/6/2008	0.00947	0.0050	0.5939	800.4	43.0	06-08-2008 14:06:50	0.040	0.021	2.508	0.2368	FLORIDA RIVER WEST
fr080508_28	1,233,608.421	2,329,811.937	8/6/2008	0.08120	0.0028	0.8668	789.2	43.2	06-08-2008 14:12:05	0.348	0.012	3.715	0.2333	FLORIDA RIVER WEST
fr080508_29	1,233,590.039	2,329,600.245	8/6/2008	0.05898	0.0019	0.4094	788.8	43.3	06-08-2008 14:19:13	0.253	0.008	1.756	0.2331	FLORIDA RIVER WEST
fr080508_30	1,233,803.040	2,329,596.928	8/6/2008	0.18953	0.0084	0.7551	789.0	43.4	06-08-2008 14:26:12	0.813	0.036	3.239	0.2331	FLORIDA RIVER WEST
fr080508_31	1,233,993.095	2,329,590.933	8/6/2008	0.05752	0.0023	0.5528	788.4	43.5	06-08-2008 14:34:38	0.247	0.010	2.374	0.2329	FLORIDA RIVER WEST
fr080508_32	1,234,192.500	2,329,600.655	8/6/2008	0.04377	0.0026	0.2854	788.5	43.6	06-08-2008 14:40:41	0.188	0.011	1.226	0.2328	FLORIDA RIVER WEST
fr080508_33	1,234,413.297	2,329,585.343	8/6/2008	0.03317	0.0037	0.4913	786.5	44.0	06-08-2008 14:49:07	0.143	0.016	2.118	0.2319	FLORIDA RIVER WEST
fr080508_34	1,234,400.401	2,329,387.983	8/6/2008	0.01017	0.0005	0.2469	784.3	44.1	06-08-2008 15:08:16	0.044	0.002	1.068	0.2312	FLORIDA RIVER WEST
fr080508_35	1,234,201.684	2,329,414.270	8/6/2008	0.00000	0.0025	0.3086	784.5	43.8	06-08-2008 15:14:54	0.000	0.011	1.333	0.2315	FLORIDA RIVER WEST
fr080508_36	1,233,990.912	2,329,397.433	8/6/2008	0.03698	0.0026	0.7284	787.1	43.4	06-08-2008 15:21:42	0.159	0.011	3.132	0.2326	FLORIDA RIVER WEST
fr080508_37	1,233,800.562	2,329,398.794	8/6/2008	0.04843	0.0026	0.3895	787.8	43.3	06-08-2008 15:28:31	0.208	0.011	1.673	0.2328	FLORIDA RIVER WEST
fr080508_38	1,233,602.694	2,329,403.862	8/6/2008	0.01302	0.0021	0.3863	786.8	43.3	06-08-2008 15:36:02	0.056	0.009	1.661	0.2325	FLORIDA RIVER WEST
fr080508_39	1,233,394.668	2,329,410.101	8/6/2008	0.00000	0.0023	0.2552	786.9	43.2	06-08-2008 15:42:23	0.000	0.010	1.097	0.2327	FLORIDA RIVER WEST
fr080508_40	1,234,206.344	2,329,215.866	8/7/2008	0.00000	0.0017	0.9089	785.1	24.9	07-08-2008 09:05:29	0.000	0.007	3.689	0.2464	FLORIDA RIVER WEST
fr080508_41	1,234,002.011	2,329,194.026	8/7/2008	0.16037	0.0015	0.2943	785.1	26.3	07-08-2008 09:12:06	0.654	0.006	1.200	0.2452	FLORIDA RIVER WEST
fr080508_42	1,233,808.500	2,329,206.123	8/7/2008	0.07912	0.0007	0.2751	787.4	27.5	07-08-2008 09:20:21	0.323	0.003	1.123	0.2450	FLORIDA RIVER WEST
fr080508_43	1,233,593.292	2,329,197.630	8/7/2008	0.03736	0.0000	0.0994	786.5	28.1	07-08-2008 09:26:53	0.153	0.000	0.407	0.2442	FLORIDA RIVER WEST
fr080508_44	1,233,404.948	2,329,201.562	8/7/2008	0.01098	0.0007	0.2713	787.5	28.7	07-08-2008 09:33:39	0.045	0.003	1.112	0.2440	FLORIDA RIVER WEST
fr080508_45	1,233,209.875	2,328,997.065	8/7/2008	0.12437	0.0000	0.4271	787.3	29.4	07-08-2008 09:43:31	0.511	0.000	1.755	0.2434	FLORIDA RIVER WEST
fr080508_46	1,233,400.911	2,329,000.736	8/7/2008	0.10313	0.0005	0.2829	786.0	29.8	07-08-2008 09:51:57	0.425	0.002	1.166	0.2427	FLORIDA RIVER WEST
fr080508_47	1,233,602.331	2,328,994.676	8/7/2008	0.05018	0.0010	0.2734	785.9	30.1	07-08-2008 09:59:18	0.207	0.004	1.128	0.2424	FLORIDA RIVER WEST
fr080508_48	1,233,813.041	2,328,982.115	8/7/2008	0.07007	0.0032	0.1452	787.7	30.7	07-08-2008 10:08:36	0.289	0.013	0.599	0.2425	FLORIDA RIVER WEST
fr080508_49	1,234,003.347	2,328,995.918	8/7/2008	0.02245	0.0012	0.0500	786.2	31.4	07-08-2008 10:15:46	0.093	0.005	0.207	0.2414	FLORIDA RIVER WEST
fr080508_50	1,233,801.155	2,328,792.084	8/7/2008	0.11822	0.0010	0.3920	785.8	32.1	07-08-2008 10:23:06	0.491	0.004	1.628	0.2408	FLORIDA RIVER WEST
fr080508_51	1,233,587.663	2,328,793.798	8/7/2008	0.02116	0.0019	0.5819	786.5	32.8	07-08-2008 10:31:40	0.088	0.008	2.420	0.2404	FLORIDA RIVER WEST
fr080508_52	1,233,388.728	2,328,801.218	8/7/2008	0.01988	0.0038	0.3456	784.4	33.2	07-08-2008 10:37:07	0.083	0.016	1.443	0.2395	FLORIDA RIVER WEST
fr080508_53	1,233,200.720	2,328,787.510	8/7/2008	0.02107	0.0153	0.3071	785.4	33.7	07-08-2008 10:43:37	0.088	0.064	1.283	0.2394	FLORIDA RIVER WEST
fr080508_54	1,233,002.249	2,328,800.105	8/7/2008	0.03080	0.0019	0.3249	784.8	34.3	07-08-2008 10:52:24	0.129	0.008	1.361	0.2387	FLORIDA RIVER WEST
fr080508_55	1,232,993.918	2,328,603.749	8/7/2008	0.06350	0.0010	0.4666	783.1	34.8	07-08-2008 11:02:02	0.267	0.004	1.962	0.2378	FLORIDA RIVER WEST
fr080508_56	1,233,202.860	2,328,599.763	8/7/2008	0.00000	0.0024	0.6467	783.1	34.7	07-08-2008 11:14:04	0.000	0.010	2.718	0.2379	FLORIDA RIVER WEST
fr080508_57	1,233,403.890	2,328,597.292	8/7/2008	0.11083	0.0021	0.2428	783.8	35.1	07-08-2008 11:20:51	0.466	0.009	1.021	0.2378	FLORIDA RIVER WEST
fr080508_58	1,233,597.993	2,328,602.203	8/7/2008	0.07530	0.0007	0.0409	784.4	35.7	07-08-2008 11:29:09	0.317	0.003	0.172	0.2375	FLORIDA RIVER WEST
fr080508_59	1,233,591.193	2,328,399.582	8/7/2008	0.02772	0.0019	0.0576	783.5	36.2	07-08-2008 11:37:25	0.117	0.008	0.243	0.2369	FLORIDA RIVER WEST
fr080508_60	1,233,399.407	2,328,401.612	8/7/2008	0.01566	0.0026	0.4270	786.1	36.8	07-08-2008 11:44:28	0.066	0.011	1.800	0.2372	FLORIDA RIVER WEST
fr080508_61	1,233,203.515	2,328,397.993	8/7/2008	0.15884	0.0040	0.5371	782.0	37.2	07-08-2008 11:50:59	0.674	0.017	2.279	0.2357	FLORIDA RIVER WEST
fr080508_62	1,233,004.093	2,328,397.876	8/7/2008	0.09350	0.0023	0.2497	782.0	38.2	07-08-2008 12:10:45	0.398	0.010	1.063	0.2349	FLORIDA RIVER WEST
fr080508_63	1,232,788.249	2,328,399.545	8/7/2008	0.13903	0.0016	0.7650	783.1	38.2	07-08-2008 12:19:30	0.591	0.007	3.252	0.2352	FLORIDA RIVER WEST
fr080508_64	1,232,793.408	2,328,197.283	8/7/2008	0.00000	0.0019	0.4227	781.5	38.1	07-08-2008 12:26:04	0.000	0.008	1.800	0.2348	FLORIDA RIVER WEST
fr080508_65	1,232,991.794	2,328,194.707	8/7/2008	0.08368	0.0054	0.1275	780.3	38.2	07-08-2008 12:32:43	0.357	0.023	0.544	0.2344	FLORIDA RIVER WEST
fr080508_66	1,233,197.876	2,328,204.481	8/7/2008	0.10460	0.0047	0.3621	781.2	38.4	07-08-2008 12:38:13	0.446	0.020	1.544	0.2345	FLORIDA RIVER WEST
fr080508_67	1,233,394.554	2,328,201.415	8/7/2008	0.02342	0.0021	0.0607	781.4	38.9	07-08-2008 12:47:21	0.100	0.009	0.259	0.2342	FLORIDA RIVER WEST
fr080508_68	1,233,552.351	2,328,194.325	8/7/2008	0.05063	0.0056	0.1938	783.0	39.3	07-08-2008 12:55:42	0.216	0.024	0.827	0.2344	FLORIDA RIVER WEST
fr080508_69	1,233,401.361	2,328,005.968	8/7/2008	0.10800	0.0012	0.5991	782.4	39.9	07-08-2008 13:05:50	0.462	0.005	2.563	0.2338	FLORIDA RIVER WEST
fr080508_70	1,233,201.701	2,327,995.322	8/7/2008	0.11706	0.0033	0.1630	781.0	40.1	07-08-2008 13:13:43	0.502	0.014	0.699	0.2332	FLORIDA RIVER WEST
fr080508_71	1,232,992.604	2,327,997.964	8/7/2008	0.03699	0.0009	0.2340	779.9	40.4	07-08-2008 13:22:17	0.159	0.004	1.006	0.2326	FLORIDA RIVER WEST
fr080508_72	1,232,796.161	2,328,005.766	8/7/2008	0.13073	0.0056	1.4658	778.9	40.6	07-08-2008 13:28:06	0.563	0.024	6.313	0.2322	FLORIDA RIVER WEST

fr080508_73	1,232,602.515	2,327,995.573	8/7/2008	0.07574	0.0019	0.1355	779.9	40.8	07-08-2008 13:33:48	0.326	0.008	0.583	0.2323	FLORIDA RIVER WEST
fr080508_74	1,232,407.361	2,327,800.019	8/7/2008	0.08510	0.0051	0.4348	779.1	41.1	07-08-2008 13:42:06	0.367	0.022	1.875	0.2319	FLORIDA RIVER WEST
fr080508_75	1,232,594.612	2,327,801.407	8/7/2008	0.04701	0.0023	0.2170	779.3	41.6	07-08-2008 13:57:04	0.203	0.010	0.937	0.2316	FLORIDA RIVER WEST
fr080508_76	1,232,803.179	2,327,806.392	8/7/2008	0.00000	0.0009	0.0336	779.3	41.8	07-08-2008 14:05:39	-0.016	0.004	0.145	0.2314	FLORIDA RIVER WEST
fr080508_77	1,232,996.979	2,327,811.518	8/7/2008	0.10283	0.0025	0.1987	780.1	41.9	07-08-2008 14:11:03	0.444	0.011	0.858	0.2316	FLORIDA RIVER WEST
fr080508_78	1,233,189.623	2,327,813.512	8/7/2008	0.10270	0.0023	0.2211	777.6	42.0	07-08-2008 14:18:16	0.445	0.010	0.958	0.2308	FLORIDA RIVER WEST
fr080508_79	1,233,401.473	2,327,799.534	8/7/2008	0.02215	0.0009	0.1405	778.0	42.2	07-08-2008 14:25:53	0.096	0.004	0.609	0.2307	FLORIDA RIVER WEST
fr080508_80	1,232,402.382	2,327,589.237	8/11/2008	0.19220	0.0005	0.3062	786.1	26.0	11-08-2008 08:16:57	0.782	0.002	1.246	0.2458	FLORIDA RIVER WEST
fr080508_81	1,232,606.702	2,327,577.008	8/11/2008	0.05671	0.0005	0.2551	793.9	26.7	11-08-2008 08:23:28	0.229	0.002	1.030	0.2476	FLORIDA RIVER WEST
fr080508_82	1,232,800.264	2,327,594.644	8/11/2008	0.07840	0.0012	0.1231	779.2	27.1	11-08-2008 08:29:20	0.323	0.005	0.507	0.2427	FLORIDA RIVER WEST
fr080508_83	1,233,006.952	2,327,603.372	8/11/2008	0.01040	0.0007	4.4301	777.7	27.7	11-08-2008 08:36:04	0.043	0.003	18.323	0.2418	FLORIDA RIVER WEST
fr080508_84	1,233,176.337	2,327,583.190	8/11/2008	0.01974	0.0000	0.2665	776.1	28.4	11-08-2008 08:43:28	0.082	-0.003	1.107	0.2407	FLORIDA RIVER WEST
fr080508_85	1,233,379.074	2,327,598.858	8/11/2008	0.12133	0.0017	0.0652	775.1	29.2	11-08-2008 08:50:39	0.506	0.007	0.272	0.2398	FLORIDA RIVER WEST
fr080508_86	1,233,393.097	2,327,388.790	8/11/2008	0.17696	0.0026	0.2108	778.2	30.4	11-08-2008 08:59:17	0.738	0.011	0.879	0.2398	FLORIDA RIVER WEST
fr080508_87	1,233,179.086	2,327,381.033	8/11/2008	0.16594	0.0010	0.2817	775.4	31.9	11-08-2008 09:07:56	0.698	0.004	1.185	0.2377	FLORIDA RIVER WEST
fr080508_88	1,232,999.107	2,327,405.667	8/11/2008	0.02553	0.0007	0.7251	773.6	32.9	11-08-2008 09:14:53	0.108	0.003	3.067	0.2364	FLORIDA RIVER WEST
fr080508_89	1,232,803.292	2,327,397.388	8/11/2008	0.00000	0.0019	0.2351	788.6	33.4	11-08-2008 09:20:32	-0.001	0.008	0.977	0.2406	FLORIDA RIVER WEST
fr080508_90	1,232,597.764	2,327,399.905	8/11/2008	0.04384	0.0000	0.4067	778.3	34.0	11-08-2008 09:30:33	0.185	0.000	1.716	0.2370	FLORIDA RIVER WEST
fr080508_91	1,232,385.411	2,327,414.005	8/11/2008	0.16892	0.0014	0.5821	793.0	34.2	11-08-2008 09:37:56	0.700	0.006	2.412	0.2413	FLORIDA RIVER WEST
fr080508_92	1,232,187.225	2,327,390.769	8/11/2008	0.06043	0.0012	0.4545	785.9	34.6	11-08-2008 09:49:10	0.253	0.005	1.903	0.2388	FLORIDA RIVER WEST
fr080508_93	1,231,992.244	2,327,195.388	8/11/2008	0.19971	0.0019	0.3146	780.5	35.0	11-08-2008 10:00:38	0.843	0.008	1.328	0.2369	FLORIDA RIVER WEST
fr080508_94	1,232,207.584	2,327,201.442	8/11/2008	0.15508	0.0021	0.2348	780.4	35.6	11-08-2008 10:12:06	0.656	0.009	0.993	0.2364	FLORIDA RIVER WEST
fr080508_95	1,232,393.401	2,327,191.045	8/11/2008	0.00000	0.0019	0.2043	778.1	36.1	11-08-2008 10:20:25	0.000	0.008	0.868	0.2353	FLORIDA RIVER WEST
fr080508_96	1,232,602.626	2,327,204.566	8/11/2008	0.09585	0.0021	0.2803	779.7	36.5	11-08-2008 10:28:15	0.407	0.009	1.190	0.2355	FLORIDA RIVER WEST
fr080508_97	1,232,800.000	2,327,200.000	8/11/2008	0.14188	0.0021	0.2960	779.2	37.1	11-08-2008 10:38:22	0.604	0.009	1.260	0.2349	FLORIDA RIVER WEST
fr080508_98	1,232,986.948	2,327,214.852	8/11/2008	0.04395	0.0016	0.1346	773.8	38.1	11-08-2008 10:52:50	0.189	0.007	0.579	0.2325	FLORIDA RIVER WEST
fr080508_99	1,233,196.810	2,327,211.804	8/11/2008	0.10938	0.0030	0.3123	775.2	38.4	11-08-2008 11:00:02	0.470	0.013	1.342	0.2327	FLORIDA RIVER WEST
fr10	1,235,541.404	2,332,462.069	12/20/2007	0.00000	0.0000	0.0000	792.95	30.9732	20-12-2007 23:10:38	0.000	0.000	0.000	0.2439	FLORIDA RIVER EAST
fr01	1,234,952.206	2,332,158.954	12/20/2007	0.14844	0.0081	0.5677	792.62	19.5084	20-12-2007 22:13:53	0.586	0.032	2.241	0.2533	FLORIDA RIVER EAST
fr02	1,234,950.577	2,332,363.761	12/20/2007	0.12357	0.0081	0.4409	792.62	21.4154	20-12-2007 22:20:33	0.491	0.032	1.752	0.2517	FLORIDA RIVER EAST
fr03	1,234,948.062	2,332,559.038	12/20/2007	0.08339	0.0053	0.2482	793.32	23.1619	20-12-2007 22:28:12	0.333	0.021	0.991	0.2504	FLORIDA RIVER EAST
fr05	1,234,744.884	2,332,157.791	12/20/2007	0.13567	0.0097	0.5302	793.32	24.9094	20-12-2007 22:35:41	0.545	0.039	2.130	0.2489	FLORIDA RIVER EAST
fr07	1,235,150.240	2,332,162.250	12/20/2007	0.18859	0.0084	0.2707	793.05	27.7387	20-12-2007 22:48:51	0.765	0.034	1.098	0.2465	FLORIDA RIVER EAST
fr08	1,235,146.512	2,332,357.617	12/20/2007	0.09767	0.0000	0.0000	794.27	28.8141	20-12-2007 22:55:04	0.397	0.000	0.000	0.2460	FLORIDA RIVER EAST
fr09	1,235,551.580	2,332,366.664	12/20/2007	0.00000	0.0000	0.0000	793.32	30.2531	20-12-2007 23:04:50	1.982	0.000	0.000	0.0000	FLORIDA RIVER EAST
fr18	1,234,368.512	2,332,823.513	12/21/2007	0.00000	0.0005	0.1547	791.67	35.9888	21-12-2007 00:35:13	0.000	0.002	0.646	0.2395	FLORIDA RIVER EAST
fr19	1,234,450.812	2,332,822.497	12/21/2007	0.00000	0.0012	0.1306	792.41	36.5976	21-12-2007 00:40:03	0.000	0.005	0.546	0.2393	FLORIDA RIVER EAST
fr32	1,235,944.317	2,333,356.517		0.00000	0.0000	0.0000				0.000	0.000	0.000	0.0000	FLORIDA RIVER EAST
fr20	1,234,953.293	2,332,764.885	12/21/2007	0.02600	0.0052	0.1882	792.68	37.6226	21-12-2007 00:48:24	0.109	0.022	0.789	0.2386	FLORIDA RIVER EAST
fr21	1,235,153.120	2,332,762.942	12/21/2007	0.02337	0.0050	0.2385	793.63	38.1248	21-12-2007 00:54:43	0.098	0.021	1.000	0.2385	FLORIDA RIVER EAST
fr22	1,235,142.091	2,332,609.610	12/21/2007	0.07226	0.0048	0.1773	792.55	38.6911	21-12-2007 01:04:08	0.304	0.020	0.746	0.2377	FLORIDA RIVER EAST
fr23	1,235,356.617	2,332,572.020	12/21/2007	0.03141	0.0096	0.2040	800.5	39.1528	21-12-2007 01:10:45	0.131	0.040	0.851	0.2397	FLORIDA RIVER EAST
fr24	1,235,556.932	2,332,596.578	12/21/2007	0.09198	0.0164	0.4305	792.55	39.5249	21-12-2007 01:17:53	0.388	0.069	1.816	0.2371	FLORIDA RIVER EAST
fr26	1,235,768.532	2,332,763.116	12/21/2007	0.09130	0.0066	0.0608	792.55	40.2426	21-12-2007 01:31:03	0.386	0.028	0.257	0.2365	FLORIDA RIVER EAST
fr27	1,235,350.817	2,332,959.945	12/21/2007	0.00000	0.0024	0.0865	790.06	36.0343	21-12-2007 02:00:57	0.000	0.010	0.362	0.2390	FLORIDA RIVER EAST
fr28	1,235,553.515	2,332,957.950	12/21/2007	0.09244	0.0017	0.0829	789.58	37.6071	21-12-2007 02:08:55	0.389	0.007	0.349	0.2376	FLORIDA RIVER EAST
fr29	1,235,546.284	2,333,156.209	12/21/2007	0.03405	0.0043	0.0716	788.37	38.7056	21-12-2007 02:15:37	0.144	0.018	0.303	0.2364	FLORIDA RIVER EAST
fr30	1,235,742.889	2,333,158.020	12/21/2007	0.03683	0.0014	0.0623	789.58	39.6545	21-12-2007 02:23:47	0.156	0.006	0.264	0.2361	FLORIDA RIVER EAST
fr31	1,235,946.836	2,333,155.335	12/21/2007	0.28578	0.0052	0.3631	787.96	40.4377	21-12-2007 02:30:03	1.216	0.022	1.545	0.2350	FLORIDA RIVER EAST
fr66	1,235,734.767	2,332,971.205	12/24/2007	0.09310	0.0022	0.0000	788.17	28.5177	24-12-2007 22:38:02	0.381	0.009	0.000	0.2444	FLORIDA RIVER EAST
fr67	1,235,946.382	2,332,960.387	12/24/2007	0.00000	0.0000	0.0000	788.17	30.8883	24-12-2007 22:45:31	0.000	0.000	0.000	0.2425	FLORIDA RIVER EAST
fr68	1,235,552.024	2,332,764.912	12/4/2007	0.00000	0.0000	0.0000		33.481	04-12-2007 23:00:44	0.091	0.004	0.293	0.0000	FLORIDA RIVER EAST
fr69	1,235,353.120	2,332,762.942	12/24/2007	0.18562	0.0036	0.3835	791.17	34.6047	24-12-2007 23:15:50	0.772	0.015	1.595	0.2404	FLORIDA RIVER EAST
vp091508_01	1,243,783.757	2,350,866.380	9/15/2008	0.24890	0.0059	0.9896	762.6	26.6	15-09-2008 10:09:47	1.046	0.025	4.159	0.2380	VOSBURG PIKE
vp091508_02	1,243,798.207	2,350,861.323	9/15/2008	1.55477	0.0012	2.1296	762.9	27.5	15-09-2008 10:13:19	6.551	0.005	8.973	0.2373	VOSBURG PIKE
vp091508_03	1,243,745.234	2,350,762.772	9/15/2008	0.14792	0.0028	0.2097	762.9	29.3	15-09-2008 10:22:35	0.627	0.012	0.889	0.2359	VOSBURG PIKE
vp091508_04	1,243,547.500	2,350,763.921	9/15/2008	0.01642	0.0016	0.0896	761.6	30.6	15-09-2008 10:29:05	0.070	0.007	0.382	0.2345	VOSBURG PIKE

vp091508_05	1,243,548.116	2,350,564.596	9/15/2008	0.01245	0.0012	0.1118	764.1	31.2	15-09-2008 10:35:31	0.053	0.005	0.476	0.2348	VOSBURG PIKE
vp091508_06	1,243,553.844	2,350,364.739	9/15/2008	0.01826	0.0007	0.0269	762.6	31.6	15-09-2008 10:41:54	0.078	0.003	0.115	0.2340	VOSBURG PIKE
vp091508_07	1,243,551.438	2,350,160.874	9/15/2008	0.18794	0.0040	0.1431	763.4	32.3	15-09-2008 10:50:45	0.804	0.017	0.612	0.2338	VOSBURG PIKE
vp091508_08	1,243,577.347	2,349,964.171	9/15/2008	0.14680	0.0044	0.2622	762.5	32.9	15-09-2008 10:57:15	0.630	0.019	1.125	0.2330	VOSBURG PIKE
vp091508_09	1,243,549.687	2,349,763.003	9/15/2008	0.04043	0.0051	0.0969	762.1	33.6	15-09-2008 11:02:30	0.174	0.022	0.417	0.2324	VOSBURG PIKE
vp091508_10	1,243,560.386	2,349,567.959	9/15/2008	0.11880	0.0056	0.1251	763.0	34.4	15-09-2008 11:08:25	0.512	0.024	0.539	0.2320	VOSBURG PIKE
vp091508_11	1,243,556.956	2,349,383.769	9/15/2008	0.15038	0.0023	0.1679	761.3	35.1	15-09-2008 11:15:00	0.651	0.010	0.727	0.2310	VOSBURG PIKE
vp091508_12	1,243,542.281	2,349,170.580	9/15/2008	0.00000	0.0021	0.1278	761.5	35.5	15-09-2008 11:20:05	0.000	0.009	0.554	0.2308	VOSBURG PIKE
vp091508_13	1,243,552.780	2,348,965.319	9/15/2008	0.00000	0.0014	0.1850	761.3	35.9	15-09-2008 11:24:51	0.000	0.006	0.803	0.2304	VOSBURG PIKE
vp091508_14	1,243,535.719	2,348,772.179	9/15/2008	0.00092	0.0035	0.1899	761.4	36.2	15-09-2008 11:30:12	0.004	0.015	0.825	0.2302	VOSBURG PIKE
vp091508_15	1,243,752.039	2,348,766.180	9/15/2008	0.00000	0.0014	0.0870	762.3	36.5	15-09-2008 11:36:33	0.000	0.006	0.378	0.2303	VOSBURG PIKE
vp091508_16	1,243,938.527	2,348,757.757	9/15/2008	0.04862	0.0041	0.2525	760.3	36.9	15-09-2008 11:42:29	0.212	0.018	1.101	0.2294	VOSBURG PIKE
vp091508_17	1,243,950.056	2,348,974.247	9/15/2008	0.15762	0.0018	0.1253	767.6	37.5	15-09-2008 11:50:00	0.682	0.008	0.542	0.2311	VOSBURG PIKE
vp091508_18	1,243,745.616	2,348,964.734	9/15/2008	0.00000	0.0011	0.0825	759.9	37.8	15-09-2008 11:55:13	0.000	0.005	0.361	0.2286	VOSBURG PIKE
vp091508_19	1,243,734.602	2,349,163.165	9/15/2008	0.00252	0.0039	0.1554	761.1	37.9	15-09-2008 11:59:48	0.011	0.017	0.679	0.2289	VOSBURG PIKE
vp091508_20	1,243,750.010	2,349,346.963	9/15/2008	0.00000	0.0018	0.1126	759.8	38.0	15-09-2008 12:06:21	0.000	0.008	0.493	0.2284	VOSBURG PIKE
vp091508_21	1,243,761.198	2,349,556.979	9/15/2008	0.00000	0.0014	0.1015	761.1	38.1	15-09-2008 12:12:20	0.000	0.006	0.444	0.2287	VOSBURG PIKE
vp091508_22	1,243,752.456	2,349,761.175	9/15/2008	0.00000	0.0023	0.0441	760.7	38.2	15-09-2008 12:17:18	0.000	0.010	0.193	0.2285	VOSBURG PIKE
vp091508_23	1,243,745.659	2,349,965.368	9/15/2008	0.00205	0.0066	0.0763	760.3	38.3	15-09-2008 12:21:34	0.009	0.029	0.334	0.2283	VOSBURG PIKE
vp091508_24	1,243,763.925	2,350,161.854	9/15/2008	0.00434	0.0039	0.0694	760.2	38.3	15-09-2008 12:37:01	0.019	0.017	0.304	0.2283	VOSBURG PIKE
vp091508_25	1,243,745.761	2,350,397.487	9/15/2008	0.00000	0.0009	0.2379	759.3	38.5	15-09-2008 12:46:25	-0.044	0.004	1.044	0.2279	VOSBURG PIKE
vp091508_26	1,243,755.813	2,350,558.351	9/15/2008	0.00000	0.0000	0.0000	n.a.	38.7	15-09-2008 12:56:10	0.126	0.005	0.578	0.0000	VOSBURG PIKE
vp091508_27	1,243,744.535	2,350,963.831	9/15/2008	0.00000	0.0030	0.2059	761.8	39.0	15-09-2008 13:16:55	0.000	0.013	0.902	0.2283	VOSBURG PIKE
vp091508_28	1,243,549.826	2,350,963.153	9/15/2008	0.00000	0.0014	0.2350	761.8	39.1	15-09-2008 13:26:01	-0.027	0.006	1.030	0.2282	VOSBURG PIKE
vp091508_29	1,243,551.336	2,351,161.247	9/15/2008	0.00092	0.0018	0.1973	763.0	38.7	15-09-2008 13:35:14	0.004	0.008	0.862	0.2288	VOSBURG PIKE
vp091508_30	1,243,336.252	2,351,158.255	9/15/2008	0.00000	0.0023	0.1929	763.3	38.9	15-09-2008 13:40:29	0.000	0.010	0.843	0.2288	VOSBURG PIKE
vp091508_31	1,243,746.899	2,351,166.223	9/15/2008	0.00000	0.0014	0.1490	764.2	39.1	15-09-2008 13:47:01	0.000	0.006	0.651	0.2289	VOSBURG PIKE
vp091508_32	1,243,943.645	2,351,149.691	9/15/2008	0.00000	0.0025	0.2387	761.5	39.3	15-09-2008 13:51:43	0.000	0.011	1.047	0.2280	VOSBURG PIKE
vp091508_33	1,244,150.292	2,351,158.600	9/15/2008	0.02977	0.0064	0.1930	760.0	39.6	15-09-2008 13:56:19	0.131	0.028	0.849	0.2273	VOSBURG PIKE
vp091508_34	1,244,146.948	2,350,963.521	9/15/2008	0.00000	0.0016	0.2871	758.1	39.8	15-09-2008 14:00:52	0.000	0.007	1.267	0.2266	VOSBURG PIKE
vp091508_35	1,243,938.634	2,350,973.740	9/15/2008	0.00023	0.0036	0.1841	759.5	40.1	15-09-2008 14:06:16	0.001	0.016	0.812	0.2268	VOSBURG PIKE
vp091508_36	1,244,351.045	2,349,769.179	9/16/2008	0.01219	0.0019	0.2628	755.3	22.3	16-09-2008 09:13:46	0.051	0.008	1.099	0.2391	VOSBURG PIKE
vp091508_37	1,244,341.163	2,349,564.066	9/16/2008	0.03241	0.0021	0.2064	755.3	23.3	16-09-2008 09:19:50	0.136	0.009	0.866	0.2383	VOSBURG PIKE
vp091508_38	1,244,345.341	2,349,366.188	9/16/2008	0.20774	0.0014	0.2092	757.9	24.4	16-09-2008 09:26:25	0.872	0.006	0.878	0.2382	VOSBURG PIKE
vp091508_39	1,244,343.186	2,349,148.102	9/16/2008	0.05985	0.0040	0.1893	758.3	25.5	16-09-2008 09:32:46	0.252	0.017	0.797	0.2375	VOSBURG PIKE
vp091508_40	1,244,150.133	2,348,961.108	9/16/2008	0.15870	0.0033	0.2213	757.1	26.7	16-09-2008 09:40:20	0.672	0.014	0.937	0.2362	VOSBURG PIKE
vp091508_41	1,244,152.205	2,349,167.398	9/16/2008	0.16708	0.0014	0.0832	759.0	28.1	16-09-2008 09:49:28	0.709	0.006	0.353	0.2356	VOSBURG PIKE
vp091508_42	1,244,146.184	2,349,358.118	9/16/2008	1.74542	0.0028	0.2536	758.7	28.8	16-09-2008 09:55:18	7.427	0.012	1.079	0.2350	VOSBURG PIKE
vp091508_43	1,244,134.597	2,349,566.591	9/16/2008	0.00000	0.0009	0.1248	758.8	29.5	16-09-2008 10:01:10	0.000	0.004	0.532	0.2345	VOSBURG PIKE
vp091508_44	1,244,158.165	2,349,758.008	9/16/2008	0.03545	0.0012	1.0422	766.2	30.1	16-09-2008 10:07:40	0.150	0.005	4.410	0.2363	VOSBURG PIKE
vp091508_45	1,244,134.986	2,349,973.712	9/16/2008	0.00210	0.0016	0.1362	758.7	30.7	16-09-2008 10:14:20	0.009	0.007	0.583	0.2335	VOSBURG PIKE
vp091508_46	1,244,156.140	2,350,154.607	9/16/2008	0.00000	0.0019	0.1875	758.4	31.0	16-09-2008 10:19:49	0.000	0.008	0.804	0.2332	VOSBURG PIKE
vp091508_47	1,244,150.560	2,350,361.490	9/16/2008	0.00000	0.0026	0.2246	758.3	31.3	16-09-2008 10:25:33	0.000	0.011	0.964	0.2330	VOSBURG PIKE
vp091508_48	1,244,142.640	2,350,571.310	9/16/2008	0.17975	0.0072	0.7008	759.4	31.9	16-09-2008 10:32:41	0.772	0.031	3.010	0.2328	VOSBURG PIKE
vp091508_49	1,244,147.433	2,350,747.437	9/16/2008	0.03261	0.0040	0.2565	761.0	32.4	16-09-2008 10:38:20	0.140	0.017	1.101	0.2329	VOSBURG PIKE
vp091508_50	1,243,956.990	2,350,768.112	9/16/2008	0.00372	0.0016	0.2062	761.5	32.9	16-09-2008 10:44:53	0.016	0.007	0.886	0.2327	VOSBURG PIKE
vp091508_51	1,243,941.046	2,350,576.629	9/16/2008	0.00023	0.0023	0.3600	762.9	33.3	16-09-2008 10:50:19	0.001	0.010	1.546	0.2328	VOSBURG PIKE
vp091508_52	1,243,962.976	2,350,378.342	9/16/2008	0.01786	0.0046	0.1976	761.0	33.8	16-09-2008 10:57:44	0.077	0.020	0.852	0.2319	VOSBURG PIKE
vp091508_53	1,243,944.361	2,350,155.089	9/16/2008	0.02288	0.0023	0.2039	759.8	34.3	16-09-2008 11:03:38	0.099	0.010	0.882	0.2311	VOSBURG PIKE
vp091508_54	1,243,954.722	2,349,961.085	9/16/2008	0.16974	0.0035	0.2292	758.8	35.0	16-09-2008 11:09:41	0.737	0.015	0.995	0.2303	VOSBURG PIKE
vp091508_55	1,243,958.833	2,349,762.201	9/16/2008	0.20300	0.0051	0.0907	760.0	35.7	16-09-2008 11:15:34	0.882	0.022	0.394	0.2302	VOSBURG PIKE
vp091508_56	1,243,951.454	2,349,572.595	9/16/2008	0.00000	0.0021	0.2065	759.6	36.1	16-09-2008 11:21:14	0.000	0.009	0.899	0.2297	VOSBURG PIKE
vp091508_57	1,243,923.748	2,349,377.281	9/16/2008	0.00000	0.0051	0.1521	761.4	36.3	16-09-2008 11:27:02	0.000	0.022	0.661	0.2301	VOSBURG PIKE
vp091508_58	1,243,941.992	2,349,168.658	9/16/2008	0.13109	0.0023	0.2160	760.3	36.6	16-09-2008 11:32:18	0.571	0.010	0.941	0.2296	VOSBURG PIKE
sftc08	1,243,360.115	2,373,165.370	7/21/2008	0.10773	0.0048	0.0775	779.4	32.7	21-07-2008 12:24:07	0.452	0.020	0.325	0.2383	SOUTH FORK TEXAS CREEK WEST
sftc10	1,243,153.120	2,373,362.942	7/21/2008	0.13326	0.0051	0.1948	791.2	34.5	21-07-2008 12:37:10	0.554	0.021	0.810	0.2405	SOUTH FORK TEXAS CREEK WEST
sftc100	1,243,749.648	2,372,970.592	7/22/2008	0.00046	0.0058	1.2230	774.1	40.2	22-07-2008 14:29:00	0.002	0.025	5.293	0.2311	SOUTH FORK TEXAS CREEK WEST

sftc101	1,243,757.136	2,373,163.882	7/22/2008	0.00000	0.0000	0.0000	n.a.	40.1	22-07-2008 14:33:29	0.000	0.016	3.186	0.0000	SOUTH FORK TEXAS CREEK WEST
sftc102	1,243,564.927	2,373,168.263	7/22/2008	0.00000	0.0000	0.0000	n.a.	40.1	22-07-2008 14:38:03	0.000	0.016	0.273	0.0000	SOUTH FORK TEXAS CREEK WEST
sftc103	1,243,542.564	2,372,948.365	7/22/2008	0.00023	0.0039	0.6687	775.8	40.0	22-07-2008 14:42:03	0.001	0.017	2.886	0.2317	SOUTH FORK TEXAS CREEK WEST
sftc104	1,243,552.467	2,372,774.935	7/22/2008	0.00000	0.0065	0.2871	775.7	39.9	22-07-2008 14:45:39	0.000	0.028	1.239	0.2318	SOUTH FORK TEXAS CREEK WEST
sftc106	1,243,543.256	2,372,387.214	7/22/2008	0.00000	0.0045	0.3005	785.8	39.9	22-07-2008 14:56:45	0.000	0.019	1.280	0.2348	SOUTH FORK TEXAS CREEK WEST
sftc107	1,243,566.405	2,372,202.517	7/22/2008	0.00000	0.0016	0.9135	776.2	39.9	22-07-2008 15:00:25	0.000	0.007	3.939	0.2319	SOUTH FORK TEXAS CREEK WEST
sftc11	1,242,958.348	2,373,375.345	7/21/2008	0.04989	0.0019	0.4429	779.3	35.1	21-07-2008 12:43:41	0.211	0.008	1.873	0.2365	SOUTH FORK TEXAS CREEK WEST
sftc12	1,242,758.358	2,373,358.237	7/21/2008	0.04480	0.0146	0.0799	778.4	35.6	21-07-2008 12:49:30	0.190	0.062	0.339	0.2358	SOUTH FORK TEXAS CREEK WEST
sftc13	1,243,350.821	2,372,766.180	7/21/2008	0.00024	0.0012	0.4472	778.3	36.6	21-07-2008 13:05:49	0.001	0.005	1.903	0.2350	SOUTH FORK TEXAS CREEK WEST
sftc14	1,243,143.500	2,372,770.780	7/21/2008	0.00000	0.0031	0.4559	778.3	36.9	21-07-2008 13:09:42	0.000	0.013	1.942	0.2348	SOUTH FORK TEXAS CREEK WEST
sftc15	1,242,961.882	2,372,769.839	7/21/2008	0.10123	0.0014	0.2591	779.1	37.1	21-07-2008 13:15:58	0.431	0.006	1.103	0.2349	SOUTH FORK TEXAS CREEK WEST
sftc16	1,242,746.029	2,372,770.545	7/21/2008	0.15023	0.0029	0.3755	790.5	37.4	21-07-2008 13:20:53	0.631	0.012	1.577	0.2381	SOUTH FORK TEXAS CREEK WEST
sftc17	1,242,747.443	2,372,567.413	7/21/2008	0.09727	0.0062	0.1478	788.2	37.6	21-07-2008 13:26:44	0.410	0.026	0.623	0.2372	SOUTH FORK TEXAS CREEK WEST
sftc18	1,242,809.359	2,372,378.153	7/21/2008	0.00000	0.0019	0.4481	776.8	37.8	21-07-2008 13:30:52	0.000	0.008	1.918	0.2337	SOUTH FORK TEXAS CREEK WEST
sftc19	1,242,739.701	2,372,160.536	7/21/2008	0.09503	0.0058	0.3283	776.5	37.9	21-07-2008 13:35:48	0.407	0.025	1.406	0.2335	SOUTH FORK TEXAS CREEK WEST
sftc20	1,242,950.140	2,371,980.516	7/21/2008	0.00000	0.0019	0.2173	778.0	37.9	21-07-2008 13:46:43	0.000	0.008	0.929	0.2339	SOUTH FORK TEXAS CREEK WEST
sftc21	1,242,950.845	2,371,761.841	7/21/2008	0.000214	0.0090	0.7488	789.6	38.1	21-07-2008 13:52:23	0.009	0.038	3.156	0.2373	SOUTH FORK TEXAS CREEK WEST
sftc22	1,242,948.106	2,371,579.019	7/21/2008	0.00444	0.0061	0.5724	778.0	38.2	21-07-2008 13:55:56	0.019	0.026	2.449	0.2337	SOUTH FORK TEXAS CREEK WEST
sftc23	1,242,938.299	2,371,351.799	7/21/2008	0.00467	0.0089	0.3630	777.7	38.2	21-07-2008 14:01:16	0.020	0.038	1.554	0.2336	SOUTH FORK TEXAS CREEK WEST
sftc24	1,242,924.568	2,371,169.637	7/21/2008	0.01657	0.0035	1.3237	776.9	38.2	21-07-2008 14:06:26	0.071	0.015	5.672	0.2334	SOUTH FORK TEXAS CREEK WEST
sftc25	1,242,961.793	2,370,963.934	7/21/2008	0.00000	0.0040	0.6275	776.0	38.2	21-07-2008 14:10:20	-0.015	0.017	2.692	0.2331	SOUTH FORK TEXAS CREEK WEST
sftc26	1,242,958.528	2,370,764.546	7/21/2008	0.00000	0.0023	0.3531	775.4	38.2	21-07-2008 14:14:44	-0.142	0.010	1.516	0.2329	SOUTH FORK TEXAS CREEK WEST
sftc27	1,242,919.577	2,370,551.314	7/21/2008	0.00000	0.0105	1.0780	775.3	38.1	21-07-2008 14:21:01	-0.138	0.045	4.627	0.2330	SOUTH FORK TEXAS CREEK WEST
sftc28	1,243,160.930	2,370,558.751	7/21/2008	0.00000	0.0042	0.5389	777.0	37.8	21-07-2008 14:35:36	0.000	0.018	2.306	0.2337	SOUTH FORK TEXAS CREEK WEST
sftc29	1,243,162.027	2,370,749.439	7/21/2008	0.00000	0.0026	0.1872	777.0	37.4	21-07-2008 14:44:38	0.000	0.011	0.800	0.2340	SOUTH FORK TEXAS CREEK WEST
sftc30	1,243,149.575	2,370,954.883	7/21/2008	0.00000	0.0028	0.1876	779.6	37.0	21-07-2008 14:54:18	0.000	0.012	0.798	0.2351	SOUTH FORK TEXAS CREEK WEST
sftc31	1,243,144.979	2,371,159.788	7/21/2008	0.00164	0.0244	0.6044	777.0	36.7	21-07-2008 15:01:49	0.007	0.104	2.577	0.2345	SOUTH FORK TEXAS CREEK WEST
sftc32	1,243,150.189	2,371,361.724	7/21/2008	8.72270	0.0042	7.4740	777.3	35.9	21-07-2008 15:10:12	37.080	0.018	31.772	0.2352	SOUTH FORK TEXAS CREEK WEST
sftc33	1,243,149.905	2,371,567.946	7/21/2008	0.00000	0.0073	0.9143	777.4	35.9	21-07-2008 15:17:38	0.000	0.031	3.886	0.2353	SOUTH FORK TEXAS CREEK WEST
sftc34	1,243,148.823	2,371,762.614	7/21/2008	0.00000	0.0052	0.4684	777.4	36.1	21-07-2008 15:26:17	0.000	0.022	1.992	0.2351	SOUTH FORK TEXAS CREEK WEST
sftc35	1,243,148.308	2,371,961.288	7/21/2008	0.00000	0.0054	0.6870	778.4	36.5	21-07-2008 15:32:35	0.000	0.023	2.922	0.2351	SOUTH FORK TEXAS CREEK WEST
sftc36	1,243,236.118	2,372,166.736	7/21/2008	0.00000	0.0031	0.3503	777.3	36.7	21-07-2008 15:40:20	0.000	0.013	1.493	0.2346	SOUTH FORK TEXAS CREEK WEST
sftc37	1,243,152.823	2,372,365.985	7/21/2008	0.00000	0.0026	0.4572	777.6	36.9	21-07-2008 15:46:16	0.000	0.011	1.949	0.2346	SOUTH FORK TEXAS CREEK WEST
sftc38	1,243,156.678	2,372,566.416	7/21/2008	0.00000	0.0049	0.5470	777.6	36.9	21-07-2008 15:51:02	0.000	0.021	2.332	0.2346	SOUTH FORK TEXAS CREEK WEST
sftc39	1,242,954.185	2,372,161.706	7/22/2008	0.10044	0.0022	0.1412	777.8	26.7	22-07-2008 08:47:11	0.414	0.009	0.582	0.2426	SOUTH FORK TEXAS CREEK WEST
sftc40	1,242,951.096	2,372,367.962	7/22/2008	0.00000	0.0015	0.4970	777.8	27.8	22-07-2008 08:53:29	0.000	0.006	2.056	0.2417	SOUTH FORK TEXAS CREEK WEST
sftc41	1,242,927.547	2,372,558.569	7/22/2008	0.38146	0.0053	0.9529	779.9	28.6	22-07-2008 08:59:32	1.578	0.022	3.942	0.2417	SOUTH FORK TEXAS CREEK WEST
sftc42	1,242,914.359	2,372,334.926	7/22/2008	0.00048	0.0019	0.6508	778.8	29.5	22-07-2008 09:05:18	0.002	0.008	2.704	0.2407	SOUTH FORK TEXAS CREEK WEST
sftc43	1,242,864.882	2,372,222.209	7/22/2008	0.00096	0.0012	0.1036	777.8	30.2	22-07-2008 09:10:03	0.004	0.005	0.432	0.2398	SOUTH FORK TEXAS CREEK WEST
sftc44	1,243,351.238	2,371,967.276	7/22/2008	0.00359	0.0077	0.1115	778.0	31.0	22-07-2008 09:17:55	0.015	0.032	0.466	0.2392	SOUTH FORK TEXAS CREEK WEST
sftc45	1,243,340.260	2,371,757.882	7/22/2008	0.09213	0.0069	0.2458	779.2	31.4	22-07-2008 09:22:45	0.385	0.029	1.027	0.2393	SOUTH FORK TEXAS CREEK WEST
sftc46	1,243,351.699	2,371,564.371	7/22/2008	0.13701	0.0062	0.0874	777.4	32.0	22-07-2008 09:28:25	0.575	0.026	0.367	0.2383	SOUTH FORK TEXAS CREEK WEST
sftc47	1,243,350.389	2,371,358.480	7/22/2008	0.17713	0.0048	0.2135	786.2	32.4	22-07-2008 09:32:53	0.736	0.020	0.887	0.2407	SOUTH FORK TEXAS CREEK WEST
sftc48	1,243,357.229	2,371,238.775	7/22/2008	0.19489	0.0076	0.9968	777.7	32.9	22-07-2008 09:37:15	0.820	0.032	4.194	0.2377	SOUTH FORK TEXAS CREEK WEST
sftc49	1,243,353.848	2,371,159.154	7/22/2008	0.23460	0.0083	0.9802	778.0	33.3	22-07-2008 09:40:27	0.988	0.035	4.128	0.2374	SOUTH FORK TEXAS CREEK WEST
sftc50	1,243,353.939	2,370,962.275	7/22/2008	0.21796	0.0033	0.5403	778.1	33.7	22-07-2008 09:45:09	0.919	0.014	2.278	0.2372	SOUTH FORK TEXAS CREEK WEST
sftc51	1,243,350.038	2,370,764.182	7/22/2008	0.19792	0.0061	0.4065	777.3	34.3	22-07-2008 09:49:36	0.837	0.026	1.719	0.2365	SOUTH FORK TEXAS CREEK WEST
sftc52	1,243,348.765	2,370,559.531	7/22/2008	0.22637	0.0069	0.1772	778.0	34.8	22-07-2008 09:53:35	0.958	0.029	0.750	0.2363	SOUTH FORK TEXAS CREEK WEST
sftc53	1,243,542.404	2,370,571.616	7/22/2008	0.15964	0.0026	0.4509	778.4	35.6	22-07-2008 09:58:29	0.677	0.011	1.912	0.2358	SOUTH FORK TEXAS CREEK WEST
sftc54	1,243,569.193	2,370,758.060	7/22/2008	0.13310	0.0080	0.2453	776.9	36.4	22-07-2008 10:04:54	0.567	0.034	1.045	0.2347	SOUTH FORK TEXAS CREEK WEST
sftc55	1,243,552.812	2,370,961.519	7/22/2008	0.04319	0.0038	0.3331	778.2	36.9	22-07-2008 10:09:29	0.184	0.016	1.419	0.2348	SOUTH FORK TEXAS CREEK WEST
sftc56	1,243,554.599	2,371,165.309	7/22/2008	5.74451	0.0056	0.4791	777.0	37.2	22-07-2008 10:14:47	24.532	0.024	2.046	0.2342	SOUTH FORK TEXAS CREEK WEST
sftc57	1,243,562.824	2,371,359.447	7/22/2008	0.17681	0.0080	0.9830	776.8	37.5	22-07-2008 10:18:53	0.756	0.034	4.203	0.2339	SOUTH FORK TEXAS CREEK WEST
sftc58	1,243,542.633	2,371,567.601	7/22/2008	0.01753	0.0049	0.5080	777.2	37.8	22-07-2008 10:23:41	0.075	0.021	2.173	0.2338	SOUTH FORK TEXAS CREEK WEST
sftc59	1,243,755.701	2,371,760.406	7/22/2008	0.06815	0.0035	0.0688	776.9	38.2	22-07-2008 10:31:35	0.292	0.015	0.295	0.2334	SOUTH FORK TEXAS CREEK WEST
sftc60	1,243,942.201	2,371,743.729	7/22/2008	0.03403	0.0021	0.3191	776.4	38.4	22-07-2008 10:39:22	0.146	0.009	1.369	0.2331	SOUTH FORK TEXAS CREEK WEST
sftc61	1,244,136.880	2,371,768.982	7/22/2008	0.01698	0.0016	0.2237	774.6	38.4	22-07-2008 10:43:52	0.073	0.007	0.962	0.2325	SOUTH FORK TEXAS CREEK WEST

sftc62	1,244,344.309	2,371,764.120	7/22/2008	0.00023	0.0019	0.1893	773.0	38.1	22-07-2008 10:52:29	0.001	0.008	0.815	0.2323	SOUTH FORK TEXAS CREEK WEST
sftc63	1,244,549.308	2,371,772.563	7/22/2008	0.07443	0.0144	0.6980	773.8	38.0	22-07-2008 10:57:42	0.320	0.062	3.001	0.2326	SOUTH FORK TEXAS CREEK WEST
sftc64	1,244,347.975	2,371,961.491	7/22/2008	0.00000	0.0060	0.3651	772.7	38.0	22-07-2008 11:02:58	0.000	0.026	1.572	0.2323	SOUTH FORK TEXAS CREEK WEST
sftc65	1,244,143.961	2,371,959.066	7/22/2008	0.07215	0.0100	0.2028	772.0	38.1	22-07-2008 11:09:06	0.311	0.043	0.874	0.2320	SOUTH FORK TEXAS CREEK WEST
sftc66	1,243,886.052	2,371,933.896	7/22/2008	0.04112	0.0035	4.0037	773.6	38.3	22-07-2008 11:13:42	0.177	0.015	17.234	0.2323	SOUTH FORK TEXAS CREEK WEST
sftc67	1,243,756.960	2,371,976.948	7/22/2008	0.00163	0.0014	0.3712	774.3	38.4	22-07-2008 11:19:35	0.007	0.006	1.597	0.2325	SOUTH FORK TEXAS CREEK WEST
sftc68	1,243,541.146	2,371,952.529	7/22/2008	0.02839	0.0016	0.6188	775.4	38.5	22-07-2008 11:25:14	0.122	0.007	2.659	0.2327	SOUTH FORK TEXAS CREEK WEST
sftc69	1,243,537.476	2,371,758.696	7/22/2008	0.06762	0.0065	0.2584	777.0	38.5	22-07-2008 11:30:02	0.290	0.028	1.108	0.2332	SOUTH FORK TEXAS CREEK WEST
sftc70	1,243,350.524	2,372,169.047	7/22/2008	2.64562	0.0082	2.3875	777.9	38.6	22-07-2008 11:37:22	11.336	0.035	10.230	0.2334	SOUTH FORK TEXAS CREEK WEST
sftc71	1,243,346.153	2,372,358.555	7/22/2008	0.07792	0.0107	0.4794	778.1	38.8	22-07-2008 11:42:11	0.334	0.046	2.055	0.2333	SOUTH FORK TEXAS CREEK WEST
sftc72	1,243,347.632	2,372,561.322	7/22/2008	0.20105	0.0123	0.3306	777.5	39.0	22-07-2008 11:46:48	0.863	0.053	1.419	0.2330	SOUTH FORK TEXAS CREEK WEST
sftc73	1,243,522.826	2,373,371.983	7/22/2008	0.15382	0.0067	0.5617	776.8	40.0	22-07-2008 12:07:54	0.663	0.029	2.421	0.2320	SOUTH FORK TEXAS CREEK WEST
sftc74	1,243,744.078	2,373,351.021	7/22/2008	3.07789	0.0037	1.7069	776.5	40.3	22-07-2008 12:12:08	13.284	0.016	7.367	0.2317	SOUTH FORK TEXAS CREEK WEST
sftc75	1,243,937.623	2,373,360.759	7/22/2008	0.06009	0.0109	0.3723	775.0	40.5	22-07-2008 12:18:31	0.260	0.047	1.611	0.2311	SOUTH FORK TEXAS CREEK WEST
sftc76	1,244,159.018	2,373,363.753	7/22/2008	0.06131	0.0129	0.3637	773.4	40.7	22-07-2008 12:24:33	0.266	0.056	1.578	0.2305	SOUTH FORK TEXAS CREEK WEST
sftc77	1,244,354.343	2,373,362.756	7/22/2008	0.06450	0.0116	0.3365	781.6	40.8	22-07-2008 12:30:47	0.277	0.050	1.445	0.2328	SOUTH FORK TEXAS CREEK WEST
sftc78	1,244,347.788	2,373,163.158	7/22/2008	0.02134	0.0108	1.2101	770.8	41.0	22-07-2008 12:35:31	0.093	0.047	5.273	0.2295	SOUTH FORK TEXAS CREEK WEST
sftc79	1,244,353.120	2,372,962.942	7/22/2008	0.00000	0.0000	0.3746	770.8	40.7	22-07-2008 12:45:29	0.000	-0.004	1.631	0.2297	SOUTH FORK TEXAS CREEK WEST
sftc80	1,244,350.350	2,372,770.549	7/22/2008	0.00000	0.0088	0.7197	771.8	40.3	22-07-2008 12:52:53	0.000	0.038	3.125	0.2303	SOUTH FORK TEXAS CREEK WEST
sftc81	1,244,359.541	2,372,555.794	7/22/2008	0.00000	0.0113	1.3262	772.3	40.3	22-07-2008 12:57:29	0.000	0.049	5.755	0.2304	SOUTH FORK TEXAS CREEK WEST
sftc82	1,244,345.314	2,372,358.700	7/22/2008	0.00000	0.0099	0.5277	771.9	40.4	22-07-2008 13:01:40	0.000	0.043	2.292	0.2303	SOUTH FORK TEXAS CREEK WEST
sftc83	1,244,362.719	2,372,160.847	7/22/2008	0.00000	0.0044	0.5800	771.8	40.5	22-07-2008 13:05:13	0.000	0.019	2.520	0.2302	SOUTH FORK TEXAS CREEK WEST
sftc84	1,244,153.120	2,372,162.942	7/22/2008	0.00000	0.0071	0.2789	770.8	40.7	22-07-2008 13:09:45	0.000	0.031	1.214	0.2297	SOUTH FORK TEXAS CREEK WEST
sftc85	1,244,150.716	2,372,364.548	7/22/2008	0.68713	0.0039	0.6740	771.4	40.8	22-07-2008 13:13:14	2.990	0.017	2.933	0.2298	SOUTH FORK TEXAS CREEK WEST
sftc87	1,244,162.010	2,372,755.187	7/22/2008	0.00000	0.0039	0.5490	772.3	40.9	22-07-2008 13:17:31	0.000	0.017	2.387	0.2300	SOUTH FORK TEXAS CREEK WEST
sftc88	1,244,159.635	2,372,971.006	7/22/2008	0.00000	0.0071	0.5783	773.8	41.1	22-07-2008 13:22:48	0.000	0.031	2.511	0.2303	SOUTH FORK TEXAS CREEK WEST
sftc89	1,244,153.120	2,373,162.942	7/22/2008	0.10014	0.0060	0.0747	770.2	41.2	22-07-2008 13:39:05	0.437	0.026	0.326	0.2292	SOUTH FORK TEXAS CREEK WEST
sftc09	1,243,350.577	2,373,365.808	7/21/2008	0.14729	0.0026	0.4977	779.4	33.7	21-07-2008 12:31:36	0.620	0.011	2.095	0.2376	SOUTH FORK TEXAS CREEK WEST
sftc90	1,243,946.120	2,373,156.624	7/22/2008	0.00000	0.0064	0.1545	771.4	41.2	22-07-2008 13:42:53	0.000	0.028	0.673	0.2295	SOUTH FORK TEXAS CREEK WEST
sftc91	1,243,963.905	2,372,957.475	7/22/2008	0.00000	0.0034	0.3964	772.6	41.1	22-07-2008 13:48:00	0.000	0.015	1.724	0.2299	SOUTH FORK TEXAS CREEK WEST
sftc92	1,243,981.722	2,372,699.222	7/22/2008	0.00000	0.0046	0.7641	771.6	40.9	22-07-2008 13:54:51	0.000	0.020	3.325	0.2298	SOUTH FORK TEXAS CREEK WEST
sftc93	1,243,903.925	2,372,537.109	7/22/2008	0.00000	0.0037	1.8018	774.4	40.8	22-07-2008 13:58:42	0.000	0.016	7.810	0.2307	SOUTH FORK TEXAS CREEK WEST
sftc94	1,243,958.810	2,372,367.693	7/22/2008	0.00000	0.0035	0.4510	772.6	40.6	22-07-2008 14:04:52	0.000	0.015	1.958	0.2303	SOUTH FORK TEXAS CREEK WEST
sftc95	1,243,955.544	2,372,162.382	7/22/2008	0.00000	0.0071	1.3056	772.6	40.5	22-07-2008 14:09:04	0.000	0.031	5.667	0.2304	SOUTH FORK TEXAS CREEK WEST
sftc96	1,243,763.962	2,372,167.548	7/22/2008	0.00000	0.0021	1.7856	774.6	40.4	22-07-2008 14:13:24	0.000	0.009	7.728	0.2311	SOUTH FORK TEXAS CREEK WEST
sftc97	1,243,747.297	2,372,368.254	7/22/2008	0.00000	0.0042	0.6980	774.8	40.4	22-07-2008 14:17:04	0.000	0.018	3.020	0.2311	SOUTH FORK TEXAS CREEK WEST
sftc98	1,243,752.247	2,372,566.779	7/22/2008	0.00000	0.0028	0.8341	774.8	40.3	22-07-2008 14:20:50	-0.165	0.012	3.608	0.2312	SOUTH FORK TEXAS CREEK WEST
sftc99	1,243,757.847	2,372,774.261	7/22/2008	0.00000	0.0065	0.3299	775.2	40.3	22-07-2008 14:25:19	0.000	0.028	1.426	0.2313	SOUTH FORK TEXAS CREEK WEST
sftc01	1,243,344.849	2,372,962.944	7/21/2008	0.14445	0.0186	0.6129	779.4	24.1	21-07-2008 11:38:52	0.589	0.076	2.499	0.2452	SOUTH FORK TEXAS CREEK WEST
sftc02	1,243,156.582	2,372,963.129	7/21/2008	0.17953	0.0015	0.1632	779.4	26.1	21-07-2008 11:44:50	0.737	0.006	0.670	0.2436	SOUTH FORK TEXAS CREEK WEST
sftc03	1,242,951.172	2,372,963.524	7/21/2008	0.15970	0.0000	0.2488	781.2	27.9	21-07-2008 11:52:07	0.658	-0.001	1.025	0.2427	SOUTH FORK TEXAS CREEK WEST
sftc04	1,242,759.875	2,372,963.645	7/21/2008	0.10703	0.0002	0.1434	779.0	29.1	21-07-2008 11:58:35	0.444	0.001	0.595	0.2411	SOUTH FORK TEXAS CREEK WEST
sftc05	1,242,688.755	2,373,179.607	7/21/2008	0.07338	0.0029	2.3033	777.0	29.9	21-07-2008 12:04:12	0.306	0.012	9.605	0.2398	SOUTH FORK TEXAS CREEK WEST
sftc06	1,242,958.413	2,373,171.459	7/21/2008	0.17096	0.0053	0.0488	777.3	30.9	21-07-2008 12:11:15	0.715	0.022	0.204	0.2391	SOUTH FORK TEXAS CREEK WEST
sftc07	1,243,154.050	2,373,163.663	7/21/2008	0.12099	0.0019	0.5576	779.6	31.8	21-07-2008 12:18:12	0.506	0.008	2.332	0.2391	SOUTH FORK TEXAS CREEK WEST
sftc080808_01	1,243,353.389	2,375,166.034	8/8/2008	0.04256	0.0029	0.5083	781.2	27.3	08-08-2008 10:06:17	0.175	0.012	2.090	0.2432	SOUTH FORK TEXAS CREEK WEST
sftc080808_02	1,243,553.687	2,375,162.931	8/8/2008	0.02183	0.0012	0.8185	781.6	28.2	08-08-2008 10:12:23	0.090	0.005	3.374	0.2426	SOUTH FORK TEXAS CREEK WEST
sftc080808_03	1,243,747.233	2,375,158.082	8/8/2008	0.12974	0.0019	0.4202	781.7	28.9	08-08-2008 10:18:08	0.536	0.008	1.736	0.2421	SOUTH FORK TEXAS CREEK WEST
sftc080808_04	1,243,953.120	2,374,962.942	8/8/2008	0.00000	0.0015	0.0086	796.8	29.3	08-08-2008 10:22:59	0.000	0.006	0.035	0.2464	SOUTH FORK TEXAS CREEK WEST
sftc080808_05	1,243,949.072	2,375,171.138	8/8/2008	0.00000	0.0002	0.4382	782.0	29.6	08-08-2008 10:27:16	0.000	0.001	1.814	0.2416	SOUTH FORK TEXAS CREEK WEST
sftc080808_06	1,243,751.135	2,374,959.966	8/8/2008	0.01086	0.0012	0.6571	782.1	30.0	08-08-2008 10:32:08	0.045	0.005	2.723	0.2413	SOUTH FORK TEXAS CREEK WEST
sftc080808_07	1,243,152.142	2,375,167.898	8/8/2008	0.00796	0.0024	1.0006	783.4	30.6	08-08-2008 10:40:32	0.033	0.010	4.148	0.2412	SOUTH FORK TEXAS CREEK WEST
sftc080808_08	1,242,937.214	2,375,163.883	8/8/2008	0.05018	0.0022	0.0331	780.8	31.0	08-08-2008 10:47:19	0.209	0.009	0.138	0.2401	SOUTH FORK TEXAS CREEK WEST
sftc080808_09	1,242,821.695	2,375,172.229	8/8/2008	0.03812	0.0017	0.8355	780.6	31.4	08-08-2008 10:51:03	0.159	0.007	3.485	0.2397	SOUTH FORK TEXAS CREEK WEST
sftc080808_10	1,242,943.151	2,375,355.742	8/8/2008	0.13813	0.0022	0.0199	780.5	31.8	08-08-2008 10:57:35	0.577	0.009	0.083	0.2394	SOUTH FORK TEXAS CREEK WEST
sftc080808_11	1,243,146.523	2,375,368.468	8/8/2008	0.00000	0.0021	0.0953	779.7	32.2	08-08-2008 11:02:52	0.000	0.009	0.399	0.2388	SOUTH FORK TEXAS CREEK WEST
sftc080808_12	1,243,093.313	2,375,318.512	8/8/2008	0.05839	0.0017	0.1206	784.7	32.3	08-08-2008 11:06:37	0.243	0.007	0.502	0.2403	SOUTH FORK TEXAS CREEK WEST

sftc080808_13	1,243,072.271	2,375,256.684	8/8/2008	0.00000	0.0022	0.4138	781.2	32.5	08-08-2008 11:10:13	0.000	0.009	1.731	0.2391	SOUTH FORK TEXAS CREEK WEST
sftc080808_14	1,243,024.402	2,375,289.767	8/8/2008	0.00000	0.0019	0.3121	781.5	32.5	08-08-2008 11:12:55	0.000	0.008	1.305	0.2391	SOUTH FORK TEXAS CREEK WEST
sftc080808_16	1,243,545.881	2,375,365.639	8/8/2008	0.00000	0.0019	0.1140	779.2	33.0	08-08-2008 11:30:22	-0.007	0.008	0.479	0.2380	SOUTH FORK TEXAS CREEK WEST
sftc080808_17	1,243,547.071	2,375,370.917	8/8/2008	0.00000	0.0017	0.3875	780.0	33.0	08-08-2008 11:38:32	0.000	0.007	1.626	0.2383	SOUTH FORK TEXAS CREEK WEST
sftc080808_18	1,243,403.596	2,375,140.919	8/8/2008	3.97207	0.0024	0.5310	781.6	32.6	08-08-2008 11:17:29	16.613	0.010	2.221	0.2391	SOUTH FORK TEXAS CREEK WEST
sftc080808_27	1,242,958.089	2,375,574.723	8/10/2008	0.15656	0.0007	0.4338	777.3	32.4	10-08-2008 11:25:32	0.658	0.003	1.823	0.2379	SOUTH FORK TEXAS CREEK WEST
sftc080808_28	1,243,151.932	2,375,572.129	8/10/2008	0.00000	0.0009	0.4339	776.2	32.7	10-08-2008 11:29:58	0.000	0.004	1.828	0.2374	SOUTH FORK TEXAS CREEK WEST
sftc080808_29	1,243,348.570	2,375,556.210	8/10/2008	0.06252	0.0005	0.1404	775.4	33.1	10-08-2008 11:35:17	0.264	0.002	0.593	0.2368	SOUTH FORK TEXAS CREEK WEST
sftc080808_30	1,243,359.477	2,375,751.951	8/10/2008	0.10362	0.0005	0.3788	774.6	33.8	10-08-2008 11:43:13	0.439	0.002	1.605	0.2360	SOUTH FORK TEXAS CREEK WEST
sftc080808_31	1,243,134.577	2,375,764.186	8/10/2008	0.04205	0.0012	0.0531	772.5	34.4	10-08-2008 11:48:46	0.179	0.005	0.226	0.2349	SOUTH FORK TEXAS CREEK WEST
sftc080808_32	1,242,954.232	2,375,763.926	8/10/2008	0.14705	0.0007	0.3579	774.9	34.9	10-08-2008 11:53:38	0.625	0.003	1.521	0.2353	SOUTH FORK TEXAS CREEK WEST
sftc091708_01	1,243,763.367	2,375,359.121	9/17/2008	0.07150	0.0021	0.1319	780.5	35.2	17-09-2008 14:33:23	0.302	0.009	0.557	0.2367	SOUTH FORK TEXAS CREEK WEST
sftc091708_02	1,243,931.761	2,375,360.197	9/17/2008	0.02548	0.0014	0.1911	780.5	36.3	17-09-2008 14:40:07	0.108	0.006	0.810	0.2359	SOUTH FORK TEXAS CREEK WEST
sftc091708_04	1,243,938.066	2,375,768.064	9/17/2008	0.00000	0.0031	0.2071	781.1	37.3	17-09-2008 14:54:58	0.000	0.013	0.880	0.2353	SOUTH FORK TEXAS CREEK WEST
sftc091708_03	1,243,960.340	2,375,551.213	9/17/2008	0.00000	0.0017	0.0696	782.2	37.0	17-09-2008 14:46:58	0.000	0.007	0.295	0.2359	SOUTH FORK TEXAS CREEK WEST
stc01	1,243,466.365	2,373,937.783	6/27/2008	47.15650	0.0037	0.7201	778.0	19.4	27-06-2008 07:36:58	189.588	0.015	2.895	0.2487	SOUTH FORK TEXAS CREEK WEST
stc02	1,243,583.029	2,374,022.045	6/27/2008	0.08825	0.0017	0.2528	778.0	20.4	27-06-2008 07:42:16	0.356	0.007	1.020	0.2479	SOUTH FORK TEXAS CREEK WEST
stc03	1,243,557.998	2,374,027.673	6/27/2008	0.07182	0.0056	0.3110	778.2	23.8	27-06-2008 08:01:34	0.293	0.023	1.269	0.2451	SOUTH FORK TEXAS CREEK WEST
stc04	1,243,530.582	2,374,048.390	6/27/2008	0.17990	0.0015	0.2793	779.2	24.6	27-06-2008 08:05:41	0.735	0.006	1.141	0.2448	SOUTH FORK TEXAS CREEK WEST
stc05	1,243,513.003	2,374,052.540	6/27/2008	0.20621	0.0015	0.2779	779.1	25.8	27-06-2008 08:10:56	0.846	0.006	1.140	0.2438	SOUTH FORK TEXAS CREEK WEST
stc06	1,243,482.175	2,374,061.561	6/27/2008	0.16837	0.0019	0.3703	778.9	26.7	27-06-2008 08:13:42	0.693	0.008	1.524	0.2430	SOUTH FORK TEXAS CREEK WEST
stc07	1,243,454.303	2,374,053.826	6/27/2008	0.06827	0.0019	0.2570	780.4	27.3	27-06-2008 08:16:32	0.281	0.008	1.058	0.2429	SOUTH FORK TEXAS CREEK WEST
stc08	1,243,431.929	2,374,058.751	6/27/2008	0.08677	0.0017	0.2286	780.4	28.0	27-06-2008 08:19:28	0.358	0.007	0.943	0.2424	SOUTH FORK TEXAS CREEK WEST
stc09	1,243,432.066	2,374,079.037	6/27/2008	0.17053	0.0012	0.3464	780.4	28.6	27-06-2008 08:22:46	0.705	0.005	1.432	0.2419	SOUTH FORK TEXAS CREEK WEST
stc10	1,243,444.248	2,374,108.235	6/27/2008	7.79132	0.0017	1.6242	780.4	29.2	27-06-2008 08:25:04	32.274	0.007	6.728	0.2414	SOUTH FORK TEXAS CREEK WEST
stc11	1,243,414.528	2,374,096.890	6/27/2008	0.17941	0.0010	0.3218	779.0	29.8	27-06-2008 08:27:42	0.746	0.004	1.338	0.2405	SOUTH FORK TEXAS CREEK WEST
stc12	1,243,420.475	2,374,079.243	6/27/2008	0.20241	0.0010	0.5422	779.0	30.3	27-06-2008 08:30:30	0.843	0.004	2.258	0.2401	SOUTH FORK TEXAS CREEK WEST
stc13	1,243,402.927	2,374,066.099	6/27/2008	0.39180	0.0014	0.4431	779.0	30.9	27-06-2008 08:34:15	1.635	0.006	1.849	0.2396	SOUTH FORK TEXAS CREEK WEST
stc14	1,243,390.250	2,374,087.266	6/27/2008	0.25247	0.0031	0.2185	779.0	31.6	27-06-2008 08:37:47	1.056	0.013	0.914	0.2391	SOUTH FORK TEXAS CREEK WEST
stc15	1,243,507.498	2,373,972.973	6/27/2008	112.80700	0.0007	0.4566	778.4	33.8	27-06-2008 08:49:36	475.609	0.003	1.925	0.2372	SOUTH FORK TEXAS CREEK WEST
stc16	1,243,552.500	2,374,005.035	6/27/2008	4.93200	0.0017	0.6052	779.0	34.2	27-06-2008 08:52:01	20.805	0.007	2.553	0.2371	SOUTH FORK TEXAS CREEK WEST
stc17	1,243,531.547	2,374,026.634	6/27/2008	17.09960	0.0040	0.8386	779.0	34.5	27-06-2008 08:54:00	72.203	0.017	3.541	0.2368	SOUTH FORK TEXAS CREEK WEST
stc18	1,243,492.623	2,374,001.655	6/27/2008	48.67220	0.0019	0.4126	779.0	34.8	27-06-2008 08:56:07	205.718	0.008	1.744	0.2366	SOUTH FORK TEXAS CREEK WEST
stc19	1,243,494.184	2,374,039.095	6/27/2008	4.69022	0.0014	0.4772	779.0	35.1	27-06-2008 08:58:13	19.843	0.006	2.019	0.2364	SOUTH FORK TEXAS CREEK WEST
stc20	1,243,472.079	2,374,040.763	6/27/2008	0.08170	0.0021	0.2092	779.0	35.4	27-06-2008 09:00:35	0.346	0.009	0.886	0.2361	SOUTH FORK TEXAS CREEK WEST
stc21	1,243,431.733	2,374,045.681	6/27/2008	0.08280	0.0012	0.5707	779.0	35.7	27-06-2008 09:02:58	0.351	0.005	2.419	0.2359	SOUTH FORK TEXAS CREEK WEST
stc22	1,243,444.104	2,374,017.867	6/27/2008	0.27542	0.0019	0.4597	779.0	36.1	27-06-2008 09:06:10	1.169	0.008	1.951	0.2356	SOUTH FORK TEXAS CREEK WEST
stc23	1,243,399.834	2,374,035.983	6/27/2008	6.62068	0.0014	1.4744	779.9	36.5	27-06-2008 09:08:28	28.105	0.006	6.259	0.2356	SOUTH FORK TEXAS CREEK WEST
stc24	1,243,386.483	2,374,056.050	6/27/2008	5.69837	0.0016	2.0343	779.9	36.9	27-06-2008 09:10:34	24.221	0.007	8.647	0.2353	SOUTH FORK TEXAS CREEK WEST
stc25	1,243,371.509	2,374,058.610	6/27/2008	0.00000	0.0016	0.5879	779.9	37.3	27-06-2008 09:13:11	-0.355	0.007	2.502	0.2350	SOUTH FORK TEXAS CREEK WEST
stc26	1,243,372.476	2,374,078.084	6/27/2008	1.95417	0.0009	1.0312	779.9	37.6	27-06-2008 09:15:16	8.325	0.004	4.393	0.2347	SOUTH FORK TEXAS CREEK WEST
stc27	1,243,374.719	2,374,105.063	6/27/2008	3.33248	0.0016	0.7546	779.9	38.0	27-06-2008 09:18:33	14.215	0.007	3.219	0.2344	SOUTH FORK TEXAS CREEK WEST
stc28	1,243,392.181	2,374,103.259	6/27/2008	0.00000	0.0019	0.4963	779.9	38.3	27-06-2008 09:20:33	0.000	0.008	2.119	0.2342	SOUTH FORK TEXAS CREEK WEST
stc29	1,243,349.094	2,374,092.820	6/27/2008	44.66450	0.0019	1.5427	779.9	38.5	27-06-2008 09:22:54	190.827	0.008	6.591	0.2341	SOUTH FORK TEXAS CREEK WEST
stc30	1,243,344.185	2,374,062.212	6/27/2008	0.00047	0.0021	0.2002	779.9	38.8	27-06-2008 09:25:01	0.002	0.009	0.856	0.2338	SOUTH FORK TEXAS CREEK WEST
stc31	1,243,324.327	2,374,049.752	6/27/2008	0.09438	0.0016	0.1930	779.9	39.1	27-06-2008 09:27:29	0.404	0.007	0.826	0.2336	SOUTH FORK TEXAS CREEK WEST
stc32	1,243,311.814	2,374,067.897	6/27/2008	0.11135	0.0079	0.7267	780.1	39.4	27-06-2008 09:30:10	0.477	0.034	3.113	0.2334	SOUTH FORK TEXAS CREEK WEST
stc33	1,243,309.384	2,374,046.279	6/27/2008	0.00000	0.0056	0.5376	780.1	39.7	27-06-2008 09:32:24	0.000	0.024	2.305	0.2332	SOUTH FORK TEXAS CREEK WEST
stc34	1,243,303.389	2,374,031.616	6/27/2008	0.00000	0.0049	0.7529	781.1	39.9	27-06-2008 09:34:40	0.000	0.021	3.226	0.2334	SOUTH FORK TEXAS CREEK WEST
stc35	1,243,327.214	2,374,032.371	6/27/2008	0.00000	0.0033	0.3911	780.3	40.2	27-06-2008 09:36:57	0.000	0.014	1.679	0.2329	SOUTH FORK TEXAS CREEK WEST
stc36	1,243,350.310	2,374,033.550	6/27/2008	0.07146	0.0030	0.3864	780.3	40.4	27-06-2008 09:39:09	0.307	0.013	1.660	0.2328	SOUTH FORK TEXAS CREEK WEST
stc37	1,243,356.243	2,374,019.146	6/27/2008	0.05490	0.0019	0.3812	780.3	40.6	27-06-2008 09:41:30	0.236	0.008	1.639	0.2326	SOUTH FORK TEXAS CREEK WEST
stc38	1,243,372.626	2,374,032.266	6/27/2008	0.00000	0.0009	0.4078	780.3	40.9	27-06-2008 09:43:39	0.000	0.004	1.755	0.2324	SOUTH FORK TEXAS CREEK WEST
stc39	1,243,358.962	2,373,985.234	6/27/2008	0.00000	0.0030	0.5130	780.3	41.1	27-06-2008 09:45:42	0.000	0.013	2.209	0.2322	SOUTH FORK TEXAS CREEK WEST
stc40	1,243,375.757	2,373,987.386	6/27/2008	0.06243	0.0007	0.5048	780.3	41.3	27-06-2008 09:47:44	0.269	0.003	2.175	0.2321	SOUTH FORK TEXAS CREEK WEST
stc41	1,243,371.243	2,373,974.502	6/27/2008	0.00000	0.0037	0.4865	780.3	41.6	27-06-2008 09:49:55	0.000	0.016	2.098	0.2319	SOUTH FORK TEXAS CREEK WEST
stc42	1,243,389.811	2,373,990.310	6/27/2008	0.00000	0.0030	0.4018	780.3	41.8	27-06-2008 09:51:55	0.000	0.013	1.734	0.2317	SOUTH FORK TEXAS CREEK WEST

stc43	1,243,401.966	2,373,971.880	6/27/2008	2.33541	0.0032	0.9293	780.3	42.1	27-06-2008 09:53:51	10.088	0.014	4.014	0.2315	SOUTH FORK TEXAS CREEK WEST
stc44	1,243,442.688	2,373,969.237	6/27/2008	25.98160	0.0019	0.5231	780.3	42.3	27-06-2008 09:55:44	112.301	0.008	2.261	0.2314	SOUTH FORK TEXAS CREEK WEST
stc45	1,243,334.281	2,373,791.056	6/27/2008	0.17822	0.0012	0.7168	779.6	42.7	27-06-2008 09:58:50	0.772	0.005	3.105	0.2309	SOUTH FORK TEXAS CREEK WEST
stc46	1,243,327.147	2,373,683.141	6/27/2008	35.12220	0.0023	0.5937	779.6	43.0	27-06-2008 10:01:20	152.283	0.010	2.574	0.2306	SOUTH FORK TEXAS CREEK WEST
stc47	1,243,375.736	2,373,864.553	6/27/2008	0.00000	0.0009	0.9005	778.8	43.2	27-06-2008 10:04:02	0.000	0.004	3.911	0.2303	SOUTH FORK TEXAS CREEK WEST
stc48	1,243,421.114	2,373,917.341	6/27/2008	0.13208	0.0012	0.1401	778.8	43.4	27-06-2008 10:06:10	0.574	0.005	0.609	0.2301	SOUTH FORK TEXAS CREEK WEST
stc49	1,243,357.295	2,374,151.462	6/27/2008	289.33200	0.0014	0.5082	778.8	43.6	27-06-2008 10:09:35	1258.160	0.006	2.210	0.2300	SOUTH FORK TEXAS CREEK WEST
stc50	1,243,344.503	2,374,190.055	6/27/2008	42.43090	0.0016	0.7147	778.8	43.7	27-06-2008 10:11:25	184.569	0.007	3.109	0.2299	SOUTH FORK TEXAS CREEK WEST
stc51	1,243,376.009	2,374,212.505	6/27/2008	33.08270	0.0018	0.6348	778.8	43.8	27-06-2008 10:13:45	143.951	0.008	2.762	0.2298	SOUTH FORK TEXAS CREEK WEST
stc52	1,243,416.424	2,374,214.595	6/27/2008	40.84000	0.0016	0.7285	778.8	43.8	27-06-2008 10:15:37	177.705	0.007	3.170	0.2298	SOUTH FORK TEXAS CREEK WEST
stc53	1,243,438.680	2,374,162.398	6/27/2008	77.26660	0.0025	1.0905	778.8	43.8	27-06-2008 10:17:30	336.206	0.011	4.745	0.2298	SOUTH FORK TEXAS CREEK WEST
stc54	1,243,391.789	2,374,159.957	6/27/2008	15.58520	0.0018	0.8276	778.8	43.8	27-06-2008 10:19:23	67.815	0.008	3.601	0.2298	SOUTH FORK TEXAS CREEK WEST
tc01	1,243,468.700	2,373,961.957	7/2/2008	81.55220	0.0067	0.5588	778.5	29.0	02-07-2008 09:07:00	338.414	0.028	2.319	0.2410	SOUTH FORK TEXAS CREEK WEST
tc02	1,243,547.186	2,374,046.347	7/2/2008	0.05846	0.0017	0.2401	779.2	29.8	02-07-2008 09:15:15	0.243	0.007	0.998	0.2406	SOUTH FORK TEXAS CREEK WEST
tc03	1,243,623.452	2,374,121.229	7/2/2008	0.00000	0.0014	0.1394	779.2	30.5	02-07-2008 09:20:12	-0.003	0.006	0.581	0.2400	SOUTH FORK TEXAS CREEK WEST
tc04	1,243,550.068	2,374,130.993	7/2/2008	0.01845	0.0007	0.1285	779.6	31.1	02-07-2008 09:25:06	0.077	0.003	0.536	0.2397	SOUTH FORK TEXAS CREEK WEST
tc05	1,243,464.681	2,374,121.583	7/2/2008	0.32784	0.0065	0.7265	779.9	31.9	02-07-2008 09:31:37	1.371	0.027	3.038	0.2391	SOUTH FORK TEXAS CREEK WEST
tc06	1,243,462.539	2,374,041.828	7/2/2008	0.08421	0.0012	0.1715	778.9	33.1	02-07-2008 09:39:59	0.354	0.005	0.721	0.2379	SOUTH FORK TEXAS CREEK WEST
tc07	1,243,382.780	2,374,040.842	7/2/2008	0.97534	0.0014	0.3332	779.2	35.0	02-07-2008 09:52:22	4.124	0.006	1.409	0.2365	SOUTH FORK TEXAS CREEK WEST
tc08	1,243,378.819	2,374,127.993	7/2/2008	302.70900	0.0005	0.6141	779.3	35.7	02-07-2008 09:56:47	1282.680	0.002	2.602	0.2360	SOUTH FORK TEXAS CREEK WEST
tc09	1,243,453.112	2,374,205.648	7/2/2008	1.19020	0.0045	0.8571	779.1	36.4	02-07-2008 10:02:42	5.056	0.019	3.641	0.2354	SOUTH FORK TEXAS CREEK WEST
tc10	1,243,380.353	2,374,207.733	7/2/2008	239.48300	0.0045	0.6829	788.0	36.8	02-07-2008 10:06:51	1007.140	0.019	2.872	0.2378	SOUTH FORK TEXAS CREEK WEST
tc11	1,243,303.155	2,374,125.519	7/2/2008	8.36838	0.0021	2.1477	787.6	37.4	02-07-2008 10:13:33	35.279	0.009	9.054	0.2372	SOUTH FORK TEXAS CREEK WEST
tc12	1,243,222.154	2,374,063.635	7/2/2008	0.41727	0.0016	0.5832	778.8	38.1	02-07-2008 10:19:51	1.783	0.007	2.492	0.2340	SOUTH FORK TEXAS CREEK WEST
tc13	1,243,063.384	2,374,051.637	7/2/2008	0.00000	0.0026	0.1353	779.2	38.8	02-07-2008 10:28:09	0.000	0.011	0.579	0.2336	SOUTH FORK TEXAS CREEK WEST
tc14	1,243,060.742	2,373,969.197	7/2/2008	0.00000	0.0089	0.4766	778.5	39.0	02-07-2008 10:32:17	0.000	0.038	2.043	0.2333	SOUTH FORK TEXAS CREEK WEST
tc15	1,243,062.093	2,373,888.361	7/2/2008	0.00000	0.0068	0.4748	779.3	39.1	02-07-2008 10:35:46	0.000	0.029	2.034	0.2334	SOUTH FORK TEXAS CREEK WEST
tc16	1,243,067.903	2,373,806.412	7/2/2008	0.00000	0.0065	0.5067	778.4	39.1	02-07-2008 10:39:22	0.000	0.028	2.173	0.2332	SOUTH FORK TEXAS CREEK WEST
tc17	1,243,065.768	2,373,727.833	7/2/2008	0.00000	0.0096	0.5854	779.7	39.3	02-07-2008 10:43:04	0.000	0.041	2.508	0.2334	SOUTH FORK TEXAS CREEK WEST
tc18	1,243,069.218	2,373,648.505	7/2/2008	0.00000	0.0051	0.2643	779.7	39.5	02-07-2008 10:47:13	0.000	0.022	1.133	0.2332	SOUTH FORK TEXAS CREEK WEST
tc19	1,243,066.044	2,373,566.839	7/2/2008	0.00000	0.0044	0.2713	779.1	39.8	02-07-2008 10:51:05	-0.001	0.019	1.165	0.2328	SOUTH FORK TEXAS CREEK WEST
tc20	1,243,064.372	2,373,485.281	7/2/2008	0.00000	0.0026	0.1483	778.5	40.0	02-07-2008 10:54:17	0.000	0.011	0.638	0.2325	SOUTH FORK TEXAS CREEK WEST
tc21	1,242,989.451	2,373,566.810	7/2/2008	0.00023	0.0012	0.0988	779.2	40.2	02-07-2008 10:57:51	0.001	0.005	0.425	0.2326	SOUTH FORK TEXAS CREEK WEST
tc22	1,242,925.158	2,373,641.977	7/2/2008	0.02833	0.0007	0.1609	778.7	40.5	02-07-2008 11:06:03	0.122	0.003	0.693	0.2322	SOUTH FORK TEXAS CREEK WEST
tc23	1,242,810.404	2,373,648.253	7/2/2008	0.02039	0.0009	0.1699	786.5	40.7	02-07-2008 11:11:10	0.087	0.004	0.725	0.2344	SOUTH FORK TEXAS CREEK WEST
tc24	1,242,739.558	2,373,719.790	7/2/2008	0.00000	0.0012	0.1367	778.8	40.7	02-07-2008 11:17:08	-0.001	0.005	0.589	0.2321	SOUTH FORK TEXAS CREEK WEST
tc25	1,242,657.597	2,373,799.679	7/2/2008	0.00046	0.0016	0.0820	777.7	40.9	02-07-2008 11:23:19	0.002	0.007	0.354	0.2316	SOUTH FORK TEXAS CREEK WEST
tc26	1,242,667.951	2,373,882.061	7/2/2008	0.08477	0.0032	0.1624	778.4	41.2	02-07-2008 11:30:23	0.366	0.014	0.701	0.2316	SOUTH FORK TEXAS CREEK WEST
tc27	1,242,665.962	2,373,959.745	7/2/2008	0.00000	0.0039	0.3068	779.1	41.8	02-07-2008 11:43:15	0.000	0.017	1.326	0.2314	SOUTH FORK TEXAS CREEK WEST
tc28	1,242,677.393	2,374,031.620	7/2/2008	0.02353	0.0042	0.1244	777.9	42.2	02-07-2008 11:50:16	0.102	0.018	0.539	0.2307	SOUTH FORK TEXAS CREEK WEST
tc29	1,242,759.261	2,374,038.396	7/2/2008	0.01870	0.0016	0.0956	778.9	42.4	02-07-2008 11:55:20	0.081	0.007	0.414	0.2309	SOUTH FORK TEXAS CREEK WEST
tc30	1,242,819.760	2,374,040.487	7/2/2008	0.01936	0.0014	0.1328	778.0	42.5	02-07-2008 11:58:31	0.084	0.006	0.576	0.2305	SOUTH FORK TEXAS CREEK WEST
tc31	1,242,968.660	2,374,036.982	7/2/2008	0.02282	0.0039	0.1030	778.0	42.5	02-07-2008 12:05:19	0.099	0.017	0.447	0.2305	SOUTH FORK TEXAS CREEK WEST
tc32	1,242,967.191	2,373,951.217	7/2/2008	0.02426	0.0086	0.0920	780.4	42.7	02-07-2008 12:10:33	0.105	0.037	0.398	0.2311	SOUTH FORK TEXAS CREEK WEST
tc33	1,242,968.946	2,373,873.511	7/2/2008	0.03639	0.0032	0.2826	778.0	42.8	02-07-2008 12:15:48	0.158	0.014	1.227	0.2303	SOUTH FORK TEXAS CREEK WEST
tc34	1,242,970.853	2,373,801.131	7/2/2008	0.00000	0.0032	0.0702	778.0	43.0	02-07-2008 12:20:19	0.000	0.014	0.305	0.2302	SOUTH FORK TEXAS CREEK WEST
tc35	1,242,970.893	2,373,722.668	7/2/2008	0.00161	0.0028	0.1817	778.7	43.1	02-07-2008 12:24:32	0.007	0.012	0.789	0.2303	SOUTH FORK TEXAS CREEK WEST
tc36	1,242,967.210	2,373,633.389	7/2/2008	0.00000	0.0005	0.1919	778.7	43.3	02-07-2008 12:28:49	-0.001	0.002	0.834	0.2302	SOUTH FORK TEXAS CREEK WEST
tc37	1,242,899.181	2,373,724.791	7/2/2008	0.00000	0.0007	0.1506	779.5	43.5	02-07-2008 12:34:47	-0.001	0.003	0.654	0.2302	SOUTH FORK TEXAS CREEK WEST
tc38	1,242,884.457	2,373,789.380	7/2/2008	0.00000	0.0007	0.0466	777.6	43.6	02-07-2008 12:38:52	0.000	0.003	0.203	0.2296	SOUTH FORK TEXAS CREEK WEST
tc39	1,242,879.099	2,373,865.970	7/2/2008	0.00023	0.0009	0.0926	778.1	43.6	02-07-2008 12:43:20	0.001	0.004	0.403	0.2298	SOUTH FORK TEXAS CREEK WEST
tc40	1,242,881.915	2,373,953.259	7/2/2008	0.00023	0.0053	0.2379	777.9	43.4	02-07-2008 12:48:47	0.001	0.023	1.035	0.2298	SOUTH FORK TEXAS CREEK WEST
tc41	1,242,805.039	2,373,952.371	7/2/2008	0.00046	0.0064	0.4155	778.0	43.3	02-07-2008 12:52:36	0.002	0.028	1.807	0.2299	SOUTH FORK TEXAS CREEK WEST
tc42	1,242,803.255	2,373,872.781	7/2/2008	0.00092	0.0009	0.2520	778.5	43.0	02-07-2008 12:56:11	0.004	0.004	1.094	0.2303	SOUTH FORK TEXAS CREEK WEST
tc43	1,242,799.652	2,373,790.152	7/2/2008	0.00000	0.0012	0.0917	778.7	42.8	02-07-2008 12:59:52	0.000	0.005	0.398	0.2305	SOUTH FORK TEXAS CREEK WEST
tc44	1,242,829.209	2,373,711.344	7/2/2008	0.00000	0.0007	0.1847	777.3	42.5	02-07-2008 13:03:42	-0.005	0.003	0.802	0.2303	SOUTH FORK TEXAS CREEK WEST
tc45	1,242,740.872	2,373,803.403	7/2/2008	0.00000	0.0007	0.1421	777.3	42.1	02-07-2008 13:08:07	0.000	0.003	0.616	0.2306	SOUTH FORK TEXAS CREEK WEST

tc46	1,242,715.037	2,373,868.266	7/2/2008	0.00000	0.0012	0.1844	777.2	41.8	02-07-2008 13:11:49	0.000	0.005	0.799	0.2308	SOUTH FORK TEXAS CREEK WEST
tc47	1,242,717.405	2,373,950.237	7/2/2008	0.00023	0.0044	0.1673	777.7	41.6	02-07-2008 13:15:16	0.001	0.019	0.724	0.2311	SOUTH FORK TEXAS CREEK WEST
tc48	1,243,137.519	2,373,718.227	7/2/2008	0.00000	0.0023	0.2624	778.7	41.0	02-07-2008 13:21:32	0.000	0.010	1.132	0.2318	SOUTH FORK TEXAS CREEK WEST
tc49	1,243,137.063	2,373,642.484	7/2/2008	0.00023	0.0012	0.2793	778.3	40.7	02-07-2008 13:25:15	0.001	0.005	1.204	0.2319	SOUTH FORK TEXAS CREEK WEST
tc50	1,243,133.444	2,373,561.325	7/2/2008	0.00000	0.0016	0.1426	778.1	40.1	02-07-2008 13:30:09	0.000	0.007	0.614	0.2323	SOUTH FORK TEXAS CREEK WEST
tc51	1,243,379.898	2,373,958.867	7/2/2008	0.00000	0.0016	0.4007	776.9	35.7	02-07-2008 13:49:57	0.000	0.007	1.703	0.2353	SOUTH FORK TEXAS CREEK WEST
tc52	1,243,300.914	2,373,880.901	7/2/2008	3.09179	0.0113	0.7259	780.8	35.8	02-07-2008 13:53:22	13.080	0.048	3.071	0.2364	SOUTH FORK TEXAS CREEK WEST
tc53	1,243,222.253	2,373,799.021	7/2/2008	0.00024	0.0061	0.1670	778.5	35.9	02-07-2008 13:56:27	0.001	0.026	0.709	0.2356	SOUTH FORK TEXAS CREEK WEST
tc54	1,243,223.795	2,373,718.732	7/2/2008	0.00000	0.0104	0.1897	778.1	36.0	02-07-2008 13:59:34	0.000	0.044	0.806	0.2354	SOUTH FORK TEXAS CREEK WEST
tc55	1,243,223.180	2,373,639.169	7/2/2008	0.00000	0.0035	0.1040	777.7	36.1	02-07-2008 14:02:55	0.000	0.015	0.442	0.2352	SOUTH FORK TEXAS CREEK WEST
tc56	1,243,220.925	2,373,560.059	7/2/2008	0.00000	0.0019	0.2997	777.7	36.1	02-07-2008 14:06:10	-0.005	0.008	1.274	0.2352	SOUTH FORK TEXAS CREEK WEST
tc57	1,243,305.413	2,373,561.274	7/2/2008	0.00000	0.0012	0.1176	777.4	36.1	02-07-2008 14:09:04	0.000	0.005	0.500	0.2351	SOUTH FORK TEXAS CREEK WEST
tc58	1,243,375.617	2,373,568.504	7/2/2008	0.00000	0.0007	0.1367	778.0	36.1	02-07-2008 14:12:02	0.000	0.003	0.581	0.2353	SOUTH FORK TEXAS CREEK WEST
tc59	1,243,379.901	2,373,645.976	7/2/2008	0.58552	0.0007	0.1416	777.5	36.1	02-07-2008 14:15:35	2.490	0.003	0.602	0.2351	SOUTH FORK TEXAS CREEK WEST
tc60	1,243,381.052	2,373,725.278	7/2/2008	11.53830	0.0016	1.1295	777.9	36.1	02-07-2008 14:18:09	49.043	0.007	4.801	0.2353	SOUTH FORK TEXAS CREEK WEST
tc61	1,243,377.402	2,373,807.606	7/2/2008	0.18440	0.0052	0.0602	777.7	36.1	02-07-2008 14:22:27	0.784	0.022	0.256	0.2352	SOUTH FORK TEXAS CREEK WEST
tc62	1,243,379.032	2,373,886.635	7/2/2008	0.00000	0.0012	0.8923	777.4	36.1	02-07-2008 14:27:20	0.000	0.005	3.795	0.2351	SOUTH FORK TEXAS CREEK WEST
tc63	1,243,301.287	2,373,808.260	7/2/2008	0.13463	0.0016	0.0715	778.2	36.1	02-07-2008 14:30:59	0.572	0.007	0.304	0.2354	SOUTH FORK TEXAS CREEK WEST
tc64	1,243,302.252	2,373,726.884	7/2/2008	16.55110	0.0009	0.9090	777.4	36.1	02-07-2008 14:33:32	70.395	0.004	3.866	0.2351	SOUTH FORK TEXAS CREEK WEST
tc65	1,243,300.997	2,373,657.739	7/2/2008	0.00047	0.0005	0.1766	777.3	36.1	02-07-2008 14:36:40	0.002	0.002	0.751	0.2351	SOUTH FORK TEXAS CREEK WEST
tc66	1,243,139.649	2,373,818.615	7/2/2008	0.00000	0.0052	0.3253	777.5	36.2	02-07-2008 14:40:49	-0.012	0.022	1.384	0.2351	SOUTH FORK TEXAS CREEK WEST
tc67	1,243,221.857	2,373,891.227	7/2/2008	0.10726	0.0012	0.2961	778.2	36.3	02-07-2008 14:44:02	0.456	0.005	1.259	0.2352	SOUTH FORK TEXAS CREEK WEST
tc68	1,243,138.229	2,373,963.443	7/2/2008	0.06687	0.0082	0.4559	779.3	36.4	02-07-2008 14:48:20	0.284	0.035	1.936	0.2355	SOUTH FORK TEXAS CREEK WEST
tc69	1,243,136.001	2,373,888.167	7/2/2008	0.07117	0.0159	0.6192	785.7	36.6	02-07-2008 14:52:49	0.300	0.067	2.610	0.2372	SOUTH FORK TEXAS CREEK WEST
tc70	1,243,217.363	2,373,961.648	7/2/2008	0.101403	0.0021	1.6024	777.4	36.9	02-07-2008 14:56:25	4.324	0.009	6.833	0.2345	SOUTH FORK TEXAS CREEK WEST
tc71	1,243,301.626	2,374,048.806	7/2/2008	0.25672	0.0009	0.6129	777.7	37.1	02-07-2008 14:59:30	1.095	0.004	2.614	0.2345	SOUTH FORK TEXAS CREEK WEST
tc72	1,243,303.411	2,373,965.798	7/2/2008	0.16039	0.0007	0.2775	777.7	37.5	02-07-2008 15:03:34	0.685	0.003	1.185	0.2341	SOUTH FORK TEXAS CREEK WEST
tc73	1,243,457.574	2,373,889.078	7/2/2008	0.44808	0.0000	0.1296	776.9	37.4	02-07-2008 15:09:53	1.915	0.000	0.554	0.2340	SOUTH FORK TEXAS CREEK WEST
sftc105	1,243,540.324	2,372,551.530	7/22/2008	0.00000	0.0066	0.0000	785.16	39.9	22-07-2008 14:51:01	0.000	0.028	0.000	0.2346	SOUTH FORK TEXAS CREEK WEST
sftc080808_15	1,243,349.579	2,375,365.658	8/8/2008	0.00000	0.0017	0.3942	793.69	33.04	08-08-2008 11:30:22	0.000	0.007	1.626	0.2424	SOUTH FORK TEXAS CREEK WEST
sftc080808_19	1,242,741.576	2,376,344.025	8/10/2008	0.02707	0.0024	0.1883	771.6	25.4	10-08-2008 10:23:04	0.112	0.010	0.779	0.2417	SOUTH FORK TEXAS CREEK EAST
sftc080808_20	1,242,945.734	2,376,350.993	8/10/2008	0.07358	0.0007	0.2754	785.0	26.2	10-08-2008 10:28:05	0.300	0.003	1.123	0.2453	SOUTH FORK TEXAS CREEK EAST
sftc080808_21	1,243,129.069	2,376,365.858	8/10/2008	0.09975	0.0019	0.3058	773.2	27.0	10-08-2008 10:33:59	0.414	0.008	1.269	0.2409	SOUTH FORK TEXAS CREEK EAST
sftc080808_22	1,243,336.028	2,376,342.063	8/10/2008	0.10272	0.0089	0.0000	774.6	28.0	10-08-2008 10:40:32	0.427	0.037	-0.663	0.2406	SOUTH FORK TEXAS CREEK EAST
sftc080808_23	1,243,553.120	2,376,362.942	8/10/2008	0.19243	0.0007	0.1681	777.3	29.1	10-08-2008 10:47:22	0.800	0.003	0.699	0.2405	SOUTH FORK TEXAS CREEK EAST
sftc080808_24	1,243,775.577	2,376,358.874	8/10/2008	0.01343	0.0002	0.1534	776.3	29.7	10-08-2008 10:52:19	0.056	0.001	0.640	0.2397	SOUTH FORK TEXAS CREEK EAST
sftc080808_25	1,243,354.768	2,376,565.235	8/10/2008	0.00336	0.0007	0.3716	778.5	30.6	10-08-2008 11:00:20	0.014	0.003	1.550	0.2397	SOUTH FORK TEXAS CREEK EAST
sftc080808_26	1,243,152.928	2,376,569.634	8/10/2008	0.05595	0.0007	0.3773	777.5	31.0	10-08-2008 11:04:52	0.234	0.003	1.578	0.2391	SOUTH FORK TEXAS CREEK EAST
tce01	1,242,728.236	2,376,751.857	7/23/2008	0.14575	0.0024	0.3876	777.7	24.3	23-07-2008 08:29:10	0.596	0.010	1.585	0.2445	SOUTH FORK TEXAS CREEK EAST
tce02	1,242,957.354	2,376,784.902	7/23/2008	0.00000	0.0020	0.2975	778.9	25.1	23-07-2008 08:35:53	0.000	0.008	1.218	0.2443	SOUTH FORK TEXAS CREEK EAST
tce03	1,243,151.951	2,376,760.995	7/23/2008	0.04793	0.0007	0.4185	777.1	25.6	23-07-2008 08:42:26	0.197	0.003	1.720	0.2433	SOUTH FORK TEXAS CREEK EAST
tce04	1,242,545.369	2,376,767.835	7/23/2008	7.97930	0.0029	6.6168	787.5	26.6	23-07-2008 08:52:11	32.473	0.012	26.928	0.2457	SOUTH FORK TEXAS CREEK EAST
tce05	1,242,355.366	2,376,978.852	7/23/2008	0.04118	0.0017	0.9179	777.7	27.1	23-07-2008 08:58:53	0.170	0.007	3.789	0.2423	SOUTH FORK TEXAS CREEK EAST
tce06	1,242,151.033	2,376,978.064	7/23/2008	0.08734	0.0034	0.4088	786.9	27.7	23-07-2008 09:04:44	0.357	0.014	1.671	0.2446	SOUTH FORK TEXAS CREEK EAST
tce07	1,242,560.597	2,376,964.222	7/23/2008	17.88340	0.0017	1.2923	776.5	28.3	23-07-2008 09:09:50	74.229	0.007	5.364	0.2409	SOUTH FORK TEXAS CREEK EAST
tce08	1,242,753.120	2,376,962.942	7/23/2008	0.07339	0.0014	0.9598	776.8	28.8	23-07-2008 09:15:51	0.305	0.006	3.989	0.2406	SOUTH FORK TEXAS CREEK EAST
tce09	1,242,819.711	2,376,936.878	7/23/2008	1.89579	0.0027	0.8472	786.3	29.2	23-07-2008 09:19:49	7.794	0.011	3.483	0.2432	SOUTH FORK TEXAS CREEK EAST
tce10	1,242,953.120	2,376,962.942	7/23/2008	0.00000	0.0012	0.2324	776.6	29.4	23-07-2008 09:23:50	0.000	0.005	0.968	0.2401	SOUTH FORK TEXAS CREEK EAST
tce100	1,241,954.434	2,379,368.512	7/25/2008	0.01604	0.0000	0.5390	771.3	32.7	25-07-2008 09:42:42	0.068	-0.001	2.285	0.2359	SOUTH FORK TEXAS CREEK EAST
tce101	1,242,144.415	2,379,368.834	7/25/2008	0.08667	0.0012	0.5132	770.3	33.6	25-07-2008 09:51:57	0.369	0.005	2.185	0.2349	SOUTH FORK TEXAS CREEK EAST
tce102	1,241,939.217	2,379,564.538	7/25/2008	0.10439	0.0009	0.2308	771.4	34.4	25-07-2008 10:01:31	0.445	0.004	0.984	0.2346	SOUTH FORK TEXAS CREEK EAST
tce103	1,241,942.343	2,379,765.809	7/25/2008	0.00000	0.0000	0.0000	n.a.	34.8	25-07-2008 10:09:26	0.180	0.004	0.972	0.0000	SOUTH FORK TEXAS CREEK EAST
tce104	1,241,951.960	2,379,978.866	7/25/2008	0.04854	0.0016	0.5773	769.3	35.2	25-07-2008 10:22:55	0.208	0.007	2.474	0.2333	SOUTH FORK TEXAS CREEK EAST
tce105	1,241,948.864	2,380,190.335	7/25/2008	0.01405	0.0021	0.2119	772.6	35.5	25-07-2008 10:28:05	0.060	0.009	0.905	0.2341	SOUTH FORK TEXAS CREEK EAST
tce107	1,241,938.466	2,380,556.341	7/25/2008	0.03838	0.0012	0.4668	769.0	36.1	25-07-2008 10:45:09	0.165	0.005	2.007	0.2326	SOUTH FORK TEXAS CREEK EAST
tce108	1,241,956.203	2,380,761.814	7/25/2008	0.10504	0.0009	0.4438	765.5	36.3	25-07-2008 10:55:06	0.454	0.004	1.918	0.2314	SOUTH FORK TEXAS CREEK EAST
tce109	1,241,939.523	2,380,951.308	7/25/2008	0.00000	0.0007	0.0827	764.9	36.4	25-07-2008 11:00:49	0.000	0.003	0.358	0.2311	SOUTH FORK TEXAS CREEK EAST

tce11	1,242,960.458	2,377,161.097	7/23/2008	0.06964	0.0010	0.3405	775.1	29.8	23-07-2008 09:29:57	0.291	0.004	1.423	0.2393	SOUTH FORK TEXAS CREEK EAST
tce110	1,241,750.604	2,380,969.877	7/25/2008	0.00000	0.0000	0.0000	n.a.	36.6	25-07-2008 11:09:32	0.000	0.000	-0.123	0.0000	SOUTH FORK TEXAS CREEK EAST
tce111	1,241,757.117	2,380,760.339	7/25/2008	0.00324	0.0007	0.1091	767.3	36.7	25-07-2008 11:14:55	0.014	0.003	0.471	0.2316	SOUTH FORK TEXAS CREEK EAST
tce112	1,241,742.945	2,380,565.706	7/25/2008	0.05866	0.0012	0.0515	769.1	37.1	25-07-2008 11:23:39	0.253	0.005	0.222	0.2319	SOUTH FORK TEXAS CREEK EAST
tce113	1,241,749.821	2,380,364.337	7/25/2008	0.00000	0.0012	0.0656	769.9	37.5	25-07-2008 11:29:48	0.000	0.005	0.283	0.2318	SOUTH FORK TEXAS CREEK EAST
tce114	1,241,748.264	2,380,168.092	7/25/2008	0.15750	0.0021	0.2644	773.4	38.7	25-07-2008 11:44:44	0.679	0.009	1.140	0.2320	SOUTH FORK TEXAS CREEK EAST
tce115	1,241,754.265	2,379,960.131	7/25/2008	0.18863	0.0028	0.4684	770.7	40.2	25-07-2008 11:54:02	0.820	0.012	2.036	0.2300	SOUTH FORK TEXAS CREEK EAST
tce116	1,241,758.154	2,379,762.639	7/25/2008	0.11600	0.0030	0.2309	776.1	41.6	25-07-2008 12:01:37	0.503	0.013	1.001	0.2306	SOUTH FORK TEXAS CREEK EAST
tce117	1,241,753.120	2,379,562.942	7/25/2008	0.16710	0.0027	0.5338	773.5	42.9	25-07-2008 12:10:14	0.730	0.012	2.332	0.2289	SOUTH FORK TEXAS CREEK EAST
tce118	1,241,758.649	2,379,381.450	7/25/2008	0.00000	0.0028	0.1344	776.0	43.4	25-07-2008 12:15:38	0.000	0.012	0.586	0.2293	SOUTH FORK TEXAS CREEK EAST
tce119	1,241,544.400	2,379,769.963	7/25/2008	0.00000	0.0021	0.2752	766.6	34.8	25-07-2008 14:29:30	0.000	0.009	1.182	0.2328	SOUTH FORK TEXAS CREEK EAST
tce12	1,242,889.318	2,377,156.952	7/23/2008	22.82480	0.0005	0.1851	774.5	30.1	23-07-2008 09:33:34	95.551	0.002	0.775	0.2389	SOUTH FORK TEXAS CREEK EAST
tce120	1,241,549.487	2,379,971.556	7/25/2008	0.06351	0.0028	0.1645	773.9	35.7	25-07-2008 14:33:49	0.271	0.012	0.702	0.2344	SOUTH FORK TEXAS CREEK EAST
tce121	1,241,550.718	2,380,169.302	7/25/2008	0.06876	0.0023	0.5233	776.9	36.5	25-07-2008 14:38:31	0.293	0.010	2.230	0.2347	SOUTH FORK TEXAS CREEK EAST
tce122	1,241,561.499	2,380,372.031	7/25/2008	0.15908	0.0058	0.3300	771.1	37.4	25-07-2008 14:43:27	0.685	0.025	1.421	0.2322	SOUTH FORK TEXAS CREEK EAST
tce123	1,241,564.343	2,380,564.393	7/25/2008	0.16082	0.0028	0.2235	771.5	38.7	25-07-2008 14:51:33	0.695	0.012	0.966	0.2314	SOUTH FORK TEXAS CREEK EAST
tce124	1,241,563.675	2,380,781.015	7/25/2008	0.08136	0.0016	0.3019	772.9	39.6	25-07-2008 14:56:45	0.352	0.007	1.306	0.2311	SOUTH FORK TEXAS CREEK EAST
tce125	1,241,554.137	2,380,964.656	7/25/2008	0.11567	0.0037	0.1664	769.4	40.4	25-07-2008 15:01:45	0.504	0.016	0.725	0.2295	SOUTH FORK TEXAS CREEK EAST
tce126	1,241,539.624	2,381,182.336	7/25/2008	0.00000	0.0011	0.1940	769.4	41.0	25-07-2008 15:06:02	0.000	0.005	0.847	0.2291	SOUTH FORK TEXAS CREEK EAST
tce127	1,241,352.158	2,381,166.859	7/25/2008	0.03833	0.0011	0.0539	772.1	41.5	25-07-2008 15:09:57	0.167	0.005	0.235	0.2295	SOUTH FORK TEXAS CREEK EAST
tce128	1,241,340.229	2,380,980.019	7/25/2008	0.06917	0.0002	0.0112	771.8	42.0	25-07-2008 15:15:29	0.302	0.001	0.049	0.2291	SOUTH FORK TEXAS CREEK EAST
tce129	1,241,357.170	2,380,775.282	7/25/2008	0.03300	0.0007	0.1829	773.3	42.5	25-07-2008 15:20:47	0.144	0.003	0.798	0.2291	SOUTH FORK TEXAS CREEK EAST
tce13	1,242,763.511	2,377,165.074	9/10/2007	0.00000	0.0036	0.1589	771.22	32.936	10-09-2007 02:57:19	0.000	0.007	0.308	0.5158	SOUTH FORK TEXAS CREEK EAST
tce130	1,241,360.687	2,380,564.718	7/25/2008	0.09933	0.0016	0.1171	772.3	43.2	25-07-2008 15:26:26	0.435	0.007	0.513	0.2283	SOUTH FORK TEXAS CREEK EAST
tce131	1,241,360.245	2,380,366.480	7/25/2008	0.00000	0.0005	0.0347	772.1	43.6	25-07-2008 15:29:48	0.000	0.002	0.152	0.2280	SOUTH FORK TEXAS CREEK EAST
tce132	1,241,350.545	2,380,170.880	7/25/2008	0.00000	0.0016	0.2226	773.3	44.0	25-07-2008 15:35:32	0.000	0.007	0.976	0.2281	SOUTH FORK TEXAS CREEK EAST
tce133	1,241,357.929	2,379,973.991	7/25/2008	0.00000	0.0011	0.3958	772.1	44.1	25-07-2008 15:38:56	0.000	0.005	1.739	0.2276	SOUTH FORK TEXAS CREEK EAST
tce14	1,242,552.585	2,377,175.722	9/10/2007	0.00000	0.0160	0.1770	778.23	14.9505	10-09-2007 16:42:04	0.000	0.029	0.320	0.5530	SOUTH FORK TEXAS CREEK EAST
tce15	1,242,351.607	2,377,168.691	9/10/2007	0.00000	0.0253	0.3455	778.23	16.9257	10-09-2007 16:48:48	0.000	0.046	0.629	0.5492	SOUTH FORK TEXAS CREEK EAST
tce16	1,242,151.169	2,377,163.594	9/10/2007	0.14817	0.0044	0.8015	777.12	18.4186	10-09-2007 16:56:39	1.921	0.008	1.469	0.5456	SOUTH FORK TEXAS CREEK EAST
tce167	1,241,157.041	2,380,964.251	7/28/2008	0.00730	0.0009	0.2572	770.8	43.0	28-07-2008 13:34:53	0.032	0.004	1.128	0.2280	SOUTH FORK TEXAS CREEK EAST
tce168	1,241,153.691	2,380,757.003	7/28/2008	0.07231	0.0018	0.1087	769.4	43.3	28-07-2008 13:40:18	0.318	0.008	0.478	0.2274	SOUTH FORK TEXAS CREEK EAST
tce169	1,241,154.596	2,380,568.106	7/28/2008	0.01067	0.0011	0.0575	768.7	43.4	28-07-2008 13:44:30	0.047	0.005	0.253	0.2271	SOUTH FORK TEXAS CREEK EAST
tce17	1,242,165.758	2,377,362.198	9/10/2007	0.39726	0.0011	0.1019	775.13	19.6466	10-09-2007 17:03:49	0.733	0.002	0.188	0.5420	SOUTH FORK TEXAS CREEK EAST
tce170	1,241,146.635	2,380,366.370	7/28/2008	0.00594	0.0016	0.2608	773.5	43.4	28-07-2008 13:49:53	0.026	0.007	1.141	0.2285	SOUTH FORK TEXAS CREEK EAST
tce171	1,241,118.806	2,380,185.697	7/28/2008	0.00000	0.0005	1.0871	770.2	41.4	28-07-2008 14:11:14	0.000	0.002	4.747	0.2290	SOUTH FORK TEXAS CREEK EAST
tce18	1,242,339.881	2,377,361.160	9/10/2007	0.22875	0.0082	1.0507	785.78	20.8038	10-09-2007 17:11:26	0.418	0.015	1.920	0.5472	SOUTH FORK TEXAS CREEK EAST
tce19	1,242,538.739	2,377,353.246	9/10/2007	0.31878	0.0027	0.2871	773.51	21.9168	10-09-2007 17:20:10	0.594	0.005	0.535	0.5367	SOUTH FORK TEXAS CREEK EAST
tce20	1,242,758.367	2,377,356.414	9/10/2007	0.36124	0.0016	0.1448	773.38	23.132	10-09-2007 17:29:05	0.676	0.003	0.271	0.5344	SOUTH FORK TEXAS CREEK EAST
tce21	1,242,954.588	2,377,365.837	7/23/2008	0.10371	0.0005	0.3478	770.8	35.5	23-07-2008 10:32:58	0.444	0.002	1.489	0.2336	SOUTH FORK TEXAS CREEK EAST
tce22	1,243,139.241	2,377,346.469	7/23/2008	0.18271	0.0012	0.2356	771.1	37.5	23-07-2008 10:43:40	0.787	0.005	1.015	0.2322	SOUTH FORK TEXAS CREEK EAST
tce23	1,243,142.945	2,377,551.470	7/23/2008	0.00000	0.0046	0.6266	770.7	38.7	23-07-2008 10:49:50	0.000	0.020	2.711	0.2311	SOUTH FORK TEXAS CREEK EAST
tce25	1,242,743.272	2,377,564.585	7/23/2008	0.01017	0.0000	0.2765	771.8	39.3	23-07-2008 11:04:29	0.044	-0.001	1.197	0.2310	SOUTH FORK TEXAS CREEK EAST
tce26	1,242,526.288	2,377,544.607	7/23/2008	0.01826	0.0021	0.6253	772.0	39.3	23-07-2008 11:09:18	0.079	0.009	2.706	0.2311	SOUTH FORK TEXAS CREEK EAST
tce27	1,242,508.869	2,377,633.824	7/23/2008	8.98557	0.0007	1.8321	773.5	39.2	23-07-2008 11:12:43	38.795	0.003	7.910	0.2316	SOUTH FORK TEXAS CREEK EAST
tce28	1,242,341.702	2,377,551.302	7/23/2008	0.00000	0.0030	0.1683	774.3	39.2	23-07-2008 11:18:16	0.000	0.013	0.726	0.2319	SOUTH FORK TEXAS CREEK EAST
tce29	1,242,143.352	2,377,561.154	7/23/2008	0.00000	0.0016	0.5451	774.7	39.2	23-07-2008 11:23:14	0.000	0.007	2.350	0.2320	SOUTH FORK TEXAS CREEK EAST
tce30	1,242,156.210	2,377,739.774	7/23/2008	0.00000	0.0009	0.4601	774.1	39.2	23-07-2008 11:27:14	0.000	0.004	1.985	0.2318	SOUTH FORK TEXAS CREEK EAST
tce31	1,242,344.107	2,377,769.429	7/23/2008	0.00000	0.0067	0.2246	773.0	39.1	23-07-2008 11:30:55	0.000	0.029	0.970	0.2315	SOUTH FORK TEXAS CREEK EAST
tce32	1,242,535.396	2,377,766.495	7/23/2008	0.00000	0.0002	0.1416	772.7	39.1	23-07-2008 11:36:20	0.000	0.001	0.612	0.2315	SOUTH FORK TEXAS CREEK EAST
tce33	1,242,760.573	2,377,765.994	7/23/2008	0.04428	0.0055	0.2085	770.7	39.4	23-07-2008 11:42:38	0.192	0.024	0.904	0.2306	SOUTH FORK TEXAS CREEK EAST
tce34	1,242,948.904	2,377,769.812	7/23/2008	0.00000	0.0046	0.4883	768.4	39.9	23-07-2008 11:48:51	0.000	0.020	2.127	0.2296	SOUTH FORK TEXAS CREEK EAST
tce35	1,243,152.690	2,377,780.503	7/23/2008	0.07254	0.0078	0.9613	765.7	40.8	23-07-2008 11:57:40	0.318	0.034	4.214	0.2281	SOUTH FORK TEXAS CREEK EAST
tce36	1,243,362.794	2,377,757.924	7/23/2008	0.00000	0.0066	0.6165	764.5	42.1	23-07-2008 12:15:14	0.000	0.029	2.718	0.2268	SOUTH FORK TEXAS CREEK EAST
tce37	1,243,337.833	2,377,970.552	7/23/2008	0.00000	0.0050	0.5480	764.5	42.1	23-07-2008 12:23:39	0.000	0.022	2.416	0.2268	SOUTH FORK TEXAS CREEK EAST
tce38	1,243,358.481	2,378,158.555	7/23/2008	0.00000	0.0043	0.2642	762.9	42.0	23-07-2008 12:27:59	0.000	0.019	1.167	0.2264	SOUTH FORK TEXAS CREEK EAST
tce39	1,243,161.014	2,377,974.839	7/23/2008	0.00000	0.0084	0.3458	763.4	41.9	23-07-2008 12:33:55	0.000	0.037	1.526	0.2266	SOUTH FORK TEXAS CREEK EAST

tce40	1,243,152.615	2,378,170.052	7/23/2008	0.00000	0.0034	0.0833	764.5	41.8	23-07-2008 12:40:03	0.000	0.015	0.367	0.2270	SOUTH FORK TEXAS CREEK EAST
tce41	1,242,952.434	2,377,970.075	7/23/2008	0.00000	0.0096	1.4244	765.7	41.6	23-07-2008 12:46:56	0.000	0.042	6.260	0.2275	SOUTH FORK TEXAS CREEK EAST
tce42	1,242,950.483	2,378,165.721	7/23/2008	0.00000	0.0036	0.4489	766.8	41.6	23-07-2008 12:51:30	0.000	0.016	1.970	0.2279	SOUTH FORK TEXAS CREEK EAST
tce43	1,242,934.280	2,378,361.502	7/23/2008	0.00000	0.0034	0.1197	769.2	41.7	23-07-2008 12:57:16	0.000	0.015	0.524	0.2285	SOUTH FORK TEXAS CREEK EAST
tce44	1,242,951.350	2,378,567.880	7/23/2008	0.00000	0.0014	0.3932	769.2	41.7	23-07-2008 13:02:54	0.000	0.006	1.721	0.2285	SOUTH FORK TEXAS CREEK EAST
tce45	1,242,931.707	2,378,761.342	7/23/2008	0.00000	0.0023	0.2572	765.9	41.6	23-07-2008 13:08:33	0.000	0.010	1.130	0.2276	SOUTH FORK TEXAS CREEK EAST
tce46	1,242,944.153	2,378,974.175	7/23/2008	0.00000	0.0070	0.4607	762.9	41.4	23-07-2008 13:16:56	0.000	0.031	2.031	0.2268	SOUTH FORK TEXAS CREEK EAST
tce47	1,242,144.919	2,377,971.742	7/23/2008	0.14488	0.0130	0.2700	780.1	40.6	23-07-2008 13:56:28	0.623	0.056	1.161	0.2326	SOUTH FORK TEXAS CREEK EAST
tce48	1,242,136.818	2,378,163.863	7/23/2008	0.00000	0.0019	0.3538	780.1	40.9	23-07-2008 14:05:11	0.000	0.008	1.523	0.2323	SOUTH FORK TEXAS CREEK EAST
tce49	1,242,141.064	2,378,366.035	7/23/2008	0.00000	0.0034	0.5298	769.4	40.9	23-07-2008 14:12:51	0.000	0.015	2.312	0.2291	SOUTH FORK TEXAS CREEK EAST
tce50	1,242,345.659	2,378,368.879	7/23/2008	0.00000	0.0050	0.5390	769.8	40.9	23-07-2008 14:21:00	0.000	0.022	2.351	0.2293	SOUTH FORK TEXAS CREEK EAST
tce51	1,242,352.558	2,378,158.800	7/23/2008	0.00000	0.0041	1.2219	769.0	40.6	23-07-2008 14:32:15	-0.194	0.018	5.330	0.2292	SOUTH FORK TEXAS CREEK EAST
tce52	1,242,343.063	2,377,943.425	7/23/2008	0.00000	0.0005	0.5463	770.8	40.4	23-07-2008 14:40:13	0.000	0.002	2.376	0.2299	SOUTH FORK TEXAS CREEK EAST
tce53	1,242,542.653	2,377,962.505	7/24/2008	0.09042	0.0024	0.4284	772.2	25.6	24-07-2008 08:39:34	0.374	0.010	1.772	0.2418	SOUTH FORK TEXAS CREEK EAST
tce54	1,242,751.933	2,377,974.370	7/24/2008	0.11126	0.0005	0.1021	769.9	26.5	24-07-2008 08:46:55	0.463	0.002	0.425	0.2403	SOUTH FORK TEXAS CREEK EAST
tce55	1,242,742.383	2,378,170.669	7/24/2008	0.03692	0.0019	0.4673	769.9	27.2	24-07-2008 08:53:42	0.154	0.008	1.949	0.2398	SOUTH FORK TEXAS CREEK EAST
tce56	1,242,555.463	2,378,152.785	7/24/2008	0.04147	0.0005	1.0501	771.4	27.8	24-07-2008 09:00:13	0.173	0.002	4.380	0.2397	SOUTH FORK TEXAS CREEK EAST
tce57	1,242,548.928	2,378,364.275	7/24/2008	0.01120	0.0007	0.3050	768.9	28.7	24-07-2008 09:07:38	0.047	0.003	1.280	0.2382	SOUTH FORK TEXAS CREEK EAST
tce58	1,242,758.452	2,378,375.313	7/24/2008	0.00904	0.0007	0.3703	768.8	29.2	24-07-2008 09:12:43	0.038	0.003	1.557	0.2378	SOUTH FORK TEXAS CREEK EAST
tce59	1,242,752.270	2,378,572.721	7/24/2008	0.00000	0.0009	0.5970	766.8	29.6	24-07-2008 09:18:06	0.000	0.004	2.520	0.2369	SOUTH FORK TEXAS CREEK EAST
tce60	1,242,751.017	2,378,781.299	7/24/2008	0.04568	0.0007	0.5500	767.6	30.2	24-07-2008 09:25:04	0.193	0.003	3.324	0.2367	SOUTH FORK TEXAS CREEK EAST
tce61	1,242,757.434	2,378,978.288	7/24/2008	0.00000	0.0068	0.4355	764.4	31.2	24-07-2008 09:34:15	0.000	0.029	1.854	0.2349	SOUTH FORK TEXAS CREEK EAST
tce62	1,242,746.464	2,379,167.774	7/24/2008	0.15079	0.0021	0.5136	763.0	32.1	24-07-2008 09:44:07	0.645	0.009	2.197	0.2338	SOUTH FORK TEXAS CREEK EAST
tce63	1,242,949.254	2,379,159.826	7/24/2008	0.00000	0.0014	0.3527	763.0	32.8	24-07-2008 09:49:02	0.000	0.006	1.512	0.2333	SOUTH FORK TEXAS CREEK EAST
tce64	1,242,960.997	2,379,381.915	7/24/2008	0.01091	0.0014	0.3485	760.8	33.3	24-07-2008 09:54:36	0.047	0.006	1.501	0.2322	SOUTH FORK TEXAS CREEK EAST
tce65	1,242,954.764	2,379,565.436	7/24/2008	0.00000	0.0056	0.3506	759.0	33.6	24-07-2008 09:59:47	0.000	0.024	1.515	0.2314	SOUTH FORK TEXAS CREEK EAST
tce66	1,242,773.562	2,379,380.910	7/24/2008	0.00602	0.0039	0.4910	759.9	34.0	24-07-2008 10:06:18	0.026	0.017	2.122	0.2314	SOUTH FORK TEXAS CREEK EAST
tce67	1,242,748.519	2,379,570.670	7/24/2008	0.17452	0.0053	0.5658	760.8	35.5	24-07-2008 10:18:24	0.757	0.023	2.454	0.2305	SOUTH FORK TEXAS CREEK EAST
tce68	1,242,743.348	2,379,769.142	7/24/2008	0.08199	0.0018	0.1824	760.1	36.4	24-07-2008 10:25:20	0.357	0.008	0.794	0.2297	SOUTH FORK TEXAS CREEK EAST
tce69	1,242,550.660	2,379,770.595	7/24/2008	0.06227	0.0000	0.2027	762.5	37.2	24-07-2008 10:34:46	0.271	0.000	0.882	0.2298	SOUTH FORK TEXAS CREEK EAST
tce70	1,242,558.032	2,379,574.076	7/24/2008	0.04413	0.0074	0.5353	763.4	37.5	24-07-2008 10:40:39	0.192	0.032	2.329	0.2298	SOUTH FORK TEXAS CREEK EAST
tce71	1,242,547.690	2,379,376.941	7/24/2008	0.00000	0.0071	0.7017	764.1	37.7	24-07-2008 10:47:03	0.000	0.031	3.052	0.2299	SOUTH FORK TEXAS CREEK EAST
tce72	1,242,562.769	2,379,172.750	7/24/2008	0.00000	0.0032	0.1073	764.6	38.0	24-07-2008 10:52:34	0.000	0.014	0.467	0.2298	SOUTH FORK TEXAS CREEK EAST
tce73	1,242,545.990	2,378,939.780	7/24/2008	0.00000	0.0016	0.7792	765.6	38.3	24-07-2008 10:57:46	0.000	0.007	3.389	0.2299	SOUTH FORK TEXAS CREEK EAST
tce74	1,242,555.882	2,378,764.692	7/24/2008	0.00000	0.0032	0.9413	766.4	38.7	24-07-2008 11:04:02	0.000	0.014	4.095	0.2299	SOUTH FORK TEXAS CREEK EAST
tce75	1,242,580.228	2,378,557.701	7/24/2008	0.00276	0.0007	0.5648	767.1	39.1	24-07-2008 11:11:00	0.012	0.003	2.458	0.2298	SOUTH FORK TEXAS CREEK EAST
tce76	1,242,338.116	2,378,555.382	7/24/2008	0.02847	0.0048	0.6475	767.5	39.5	24-07-2008 11:17:54	0.124	0.021	2.820	0.2296	SOUTH FORK TEXAS CREEK EAST
tce77	1,242,345.517	2,378,769.534	7/24/2008	0.00000	0.0034	0.0901	766.8	39.8	24-07-2008 11:24:28	0.000	0.015	0.393	0.2292	SOUTH FORK TEXAS CREEK EAST
tce78	1,242,348.404	2,378,955.412	7/24/2008	0.02517	0.0021	0.0176	766.1	40.0	24-07-2008 11:34:15	0.110	0.009	0.077	0.2288	SOUTH FORK TEXAS CREEK EAST
tce79	1,242,358.078	2,379,159.342	7/24/2008	0.00000	0.0025	0.0458	767.2	40.1	24-07-2008 11:42:39	0.000	0.011	0.200	0.2291	SOUTH FORK TEXAS CREEK EAST
tce81	1,242,353.212	2,379,357.526	7/24/2008	0.18086	0.0074	0.2476	765.4	34.8	24-07-2008 13:21:44	0.778	0.032	1.065	0.2325	SOUTH FORK TEXAS CREEK EAST
tce82	1,242,344.775	2,379,555.376	7/24/2008	0.18107	0.0039	0.2814	767.1	37.1	24-07-2008 13:31:25	0.783	0.017	1.217	0.2313	SOUTH FORK TEXAS CREEK EAST
tce83	1,242,362.266	2,379,773.329	7/24/2008	0.03483	0.0000	0.0651	764.0	38.7	24-07-2008 13:40:02	0.152	-0.003	0.284	0.2291	SOUTH FORK TEXAS CREEK EAST
tce84	1,242,347.065	2,379,961.879	7/24/2008	0.22417	0.0121	0.3954	764.0	40.2	24-07-2008 13:49:45	0.983	0.053	1.734	0.2280	SOUTH FORK TEXAS CREEK EAST
tce85	1,242,346.628	2,380,159.341	7/24/2008	0.13290	0.0080	0.5670	764.0	41.4	24-07-2008 13:59:02	0.585	0.035	2.496	0.2272	SOUTH FORK TEXAS CREEK EAST
tce86	1,242,362.620	2,380,359.743	7/24/2008	0.00000	0.0018	0.2012	762.4	42.2	24-07-2008 14:06:12	0.000	0.008	0.890	0.2261	SOUTH FORK TEXAS CREEK EAST
tce87	1,242,145.544	2,380,559.325	7/24/2008	0.00000	0.0034	0.1853	762.4	42.8	24-07-2008 14:15:04	0.000	0.015	0.821	0.2257	SOUTH FORK TEXAS CREEK EAST
tce88	1,242,153.531	2,380,366.984	7/24/2008	0.13115	0.0052	0.3558	762.9	43.5	24-07-2008 14:28:05	0.582	0.023	1.579	0.2253	SOUTH FORK TEXAS CREEK EAST
tce89	1,242,144.016	2,380,148.344	7/24/2008	0.10311	0.0070	0.4007	764.1	44.3	24-07-2008 14:41:36	0.458	0.031	1.780	0.2251	SOUTH FORK TEXAS CREEK EAST
tce90	1,242,154.072	2,379,964.273	7/24/2008	0.13922	0.0090	0.4855	765.3	44.6	24-07-2008 14:53:25	0.618	0.040	2.155	0.2253	SOUTH FORK TEXAS CREEK EAST
tce91	1,242,157.855	2,379,765.458	7/24/2008	0.12408	0.0009	0.0646	766.0	45.0	24-07-2008 15:04:13	0.551	0.004	0.287	0.2252	SOUTH FORK TEXAS CREEK EAST
tce92	1,242,172.517	2,379,575.228	7/24/2008	0.15541	0.0099	0.5094	766.0	45.4	24-07-2008 15:12:29	0.691	0.044	2.265	0.2249	SOUTH FORK TEXAS CREEK EAST
tce93	1,242,146.126	2,378,568.874	7/25/2008	0.08236	0.0012	0.2702	770.5	26.1	25-07-2008 08:53:09	0.342	0.005	1.122	0.2408	SOUTH FORK TEXAS CREEK EAST
tce94	1,242,152.776	2,378,763.912	7/25/2008	0.06456	0.0007	0.1968	772.8	26.9	25-07-2008 08:59:42	0.268	0.003	0.817	0.2409	SOUTH FORK TEXAS CREEK EAST
tce95	1,241,950.083	2,378,760.767	7/25/2008	0.14150	0.0022	0.0733	769.6	27.5	25-07-2008 09:05:46	0.591	0.009	0.306	0.2394	SOUTH FORK TEXAS CREEK EAST
tce96	1,241,954.825	2,378,965.284	7/25/2008	0.09432	0.0017	0.1645	769.9	28.4	25-07-2008 09:12:00	0.395	0.007	0.689	0.2388	SOUTH FORK TEXAS CREEK EAST
tce97	1,242,153.120	2,378,962.942	7/25/2008	0.08997	0.0012	0.0883	768.7	29.7	25-07-2008 09:20:08	0.379	0.005	0.372	0.2374	SOUTH FORK TEXAS CREEK EAST

tce98	1,242,149.930	2,379,168.520	7/25/2008	0.13545	0.0021	0.6358	770.3	31.1	25-07-2008 09:28:25	0.572	0.009	2.685	0.2368	SOUTH FORK TEXAS CREEK EAST
tce99	1,241,952.329	2,379,164.947	7/25/2008	0.00000	0.0024	0.1953	771.0	31.9	25-07-2008 09:33:44	0.000	0.010	0.826	0.2364	SOUTH FORK TEXAS CREEK EAST
tce24	1,242,951.244	2,377,552.586	7/23/2008	0.00392	0.0051	0.3064	769.6	39.1	23-07-2008 10:55:45	0.017	0.022	1.329	0.2305	SOUTH FORK TEXAS CREEK EAST
tce106	1,241,949.115	2,380,366.603	7/25/2008	0.01429	0.0021	0.2156	787	35.827	25-07-2008 10:37:53	0.060	0.009	0.905	0.2382	SOUTH FORK TEXAS CREEK EAST
bph01	1,240,351.484	2,381,742.113	7/7/2008	0.00000	0.0057	0.0145	774.7	31.0	07-07-2008 08:59:22	0.000	0.024	0.061	0.2382	BP HIGHLANDS
bph02	1,240,552.235	2,381,758.555	7/7/2008	0.00000	0.0017	0.1928	776.9	31.7	07-07-2008 09:05:42	0.000	0.007	0.809	0.2384	BP HIGHLANDS
bph03	1,240,753.120	2,381,762.942	7/7/2008	32.45820	0.0009	1.6640	774.2	32.2	07-07-2008 09:10:30	136.873	0.004	7.017	0.2371	BP HIGHLANDS
bph04	1,240,938.759	2,381,761.694	7/7/2008	0.00000	0.0009	0.1713	773.5	32.6	07-07-2008 09:15:26	0.000	0.004	0.724	0.2366	BP HIGHLANDS
bph05	1,240,742.222	2,381,550.242	7/7/2008	0.43185	0.0005	1.4048	773.2	33.3	07-07-2008 09:24:21	1.830	0.002	5.953	0.2360	BP HIGHLANDS
bph06	1,240,545.548	2,381,530.775	7/7/2008	0.09247	0.0017	0.0420	774.7	34.0	07-07-2008 09:32:44	0.392	0.007	0.178	0.2359	BP HIGHLANDS
bph07	1,240,360.183	2,381,560.454	7/7/2008	0.02376	0.0014	0.0637	773.7	34.5	07-07-2008 09:39:12	0.101	0.006	0.271	0.2352	BP HIGHLANDS
bph08	1,240,387.807	2,381,362.022	7/7/2008	0.00000	0.0010	0.1541	774.3	30.9	07-07-2008 10:39:15	0.000	0.004	0.647	0.2382	BP HIGHLANDS
bph09	1,240,552.031	2,381,367.519	7/7/2008	0.00000	0.0038	0.1284	772.6	32.4	07-07-2008 10:44:51	-0.001	0.016	0.543	0.2365	BP HIGHLANDS
bph10	1,240,751.777	2,381,368.112	7/7/2008	0.12133	0.0019	0.0945	772.7	34.2	07-07-2008 10:54:28	0.516	0.008	0.402	0.2351	BP HIGHLANDS
bph11	1,240,953.710	2,381,372.237	7/7/2008	0.09566	0.0021	0.1635	772.3	35.7	07-07-2008 11:03:56	0.409	0.009	0.699	0.2339	BP HIGHLANDS
bph12	1,240,952.558	2,381,561.215	7/7/2008	0.00000	0.0047	0.2480	771.1	36.9	07-07-2008 11:13:36	0.000	0.020	1.066	0.2326	BP HIGHLANDS
bph13	1,240,145.532	2,381,760.518	7/7/2008	0.04889	0.0044	0.1981	770.8	38.0	07-07-2008 11:27:16	0.211	0.019	0.855	0.2317	BP HIGHLANDS
bph14	1,240,150.625	2,381,959.633	7/7/2008	0.00000	0.0014	0.3704	774.9	38.4	07-07-2008 11:32:06	0.000	0.006	1.592	0.2326	BP HIGHLANDS
bph15	1,240,147.109	2,382,162.695	7/7/2008	0.00256	0.0016	0.1822	775.0	38.8	07-07-2008 11:39:54	0.011	0.007	0.784	0.2324	BP HIGHLANDS
bph16	1,240,342.886	2,382,360.705	7/7/2008	0.00000	0.0049	0.1265	774.8	39.1	07-07-2008 11:47:53	0.000	0.021	0.545	0.2321	BP HIGHLANDS
bph17	1,240,551.003	2,381,162.520	7/7/2008	0.03050	0.0007	0.0233	773.4	39.9	07-07-2008 12:07:43	0.132	0.003	0.101	0.2311	BP HIGHLANDS
bph18	1,240,745.388	2,381,166.972	7/7/2008	0.00000	0.0046	0.0198	778.8	40.3	07-07-2008 12:15:49	0.000	0.020	0.085	0.2324	BP HIGHLANDS
bph19	1,240,349.112	2,381,971.139	7/7/2008	0.00000	0.0030	0.1269	770.4	42.5	07-07-2008 13:07:37	0.000	0.013	0.556	0.2283	BP HIGHLANDS
bph20	1,240,553.120	2,381,962.942	7/7/2008	0.00000	0.0027	0.0227	772.5	42.6	07-07-2008 13:13:01	0.000	0.012	0.099	0.2288	BP HIGHLANDS
bph21	1,240,746.442	2,381,964.467	7/7/2008	0.00023	0.0011	0.0964	771.4	42.7	07-07-2008 13:20:29	0.001	0.005	0.422	0.2284	BP HIGHLANDS
bph22	1,240,866.738	2,381,972.245	7/7/2008	0.00000	0.0014	0.1377	770.2	42.8	07-07-2008 13:25:17	0.000	0.006	0.604	0.2280	BP HIGHLANDS
bph23	1,240,755.760	2,382,162.133	7/7/2008	0.00000	0.0016	0.0602	770.8	42.9	07-07-2008 13:33:27	0.000	0.007	0.264	0.2281	BP HIGHLANDS
bph24	1,240,554.291	2,382,160.641	7/7/2008	0.00000	0.0011	0.0382	769.0	43.0	07-07-2008 13:38:43	0.000	0.005	0.168	0.2275	BP HIGHLANDS
bph25	1,240,351.627	2,382,163.837	7/7/2008	0.00023	0.0039	0.0264	768.7	43.1	07-07-2008 13:45:58	0.001	0.017	0.116	0.2273	BP HIGHLANDS
bph26	1,240,548.449	2,382,435.592	7/7/2008	0.00000	0.0014	0.2202	772.3	43.1	07-07-2008 13:58:46	0.000	0.006	0.964	0.2284	BP HIGHLANDS
bph27	1,240,746.084	2,382,416.045	7/7/2008	0.00000	0.0016	0.1930	773.0	43.0	07-07-2008 14:05:31	0.000	0.007	0.844	0.2287	BP HIGHLANDS
tce135	1,240,144.276	2,383,560.408	7/28/2008	0.07602	0.0014	0.1535	773.5	31.4	28-07-2008 09:31:22	0.320	0.006	0.646	0.2375	BP HIGHLANDS
tce136	1,239,941.153	2,383,573.084	7/28/2008	0.00000	0.0031	0.2430	772.0	32.0	28-07-2008 09:36:30	0.000	0.013	1.027	0.2366	BP HIGHLANDS
tce137	1,239,755.559	2,383,559.694	7/28/2008	0.03578	0.0019	1.2304	774.7	32.6	28-07-2008 09:43:10	0.151	0.008	5.192	0.2370	BP HIGHLANDS
tce138	1,239,553.120	2,383,562.942	7/28/2008	0.12704	0.0000	0.0007	774.6	33.1	28-07-2008 09:49:51	0.537	-0.001	0.003	0.2366	BP HIGHLANDS
tce139	1,239,569.680	2,383,356.556	7/28/2008	0.00000	0.0099	0.1300	774.0	33.6	28-07-2008 09:55:01	-0.001	0.042	0.551	0.2360	BP HIGHLANDS
tce140	1,239,768.066	2,383,364.562	7/28/2008	0.00000	0.0045	0.2415	773.6	34.0	28-07-2008 09:59:35	-0.014	0.019	1.025	0.2356	BP HIGHLANDS
tce141	1,239,944.479	2,383,371.975	7/28/2008	0.03999	0.0064	0.2343	774.3	34.7	28-07-2008 10:05:08	0.170	0.027	0.996	0.2352	BP HIGHLANDS
tce142	1,240,156.681	2,383,369.531	7/28/2008	0.07943	0.0002	0.1305	772.7	35.3	28-07-2008 10:11:42	0.339	0.001	0.557	0.2343	BP HIGHLANDS
tce143	1,240,355.863	2,383,367.222	7/28/2008	0.14282	0.0000	0.7640	771.6	36.1	28-07-2008 10:24:19	0.612	-0.005	3.274	0.2334	BP HIGHLANDS
tce144	1,240,546.074	2,383,161.629	7/28/2008	0.05793	0.0009	0.1850	770.3	36.5	28-07-2008 10:29:26	0.249	0.004	0.795	0.2327	BP HIGHLANDS
tce145	1,240,327.948	2,383,155.664	7/28/2008	0.08728	0.0005	0.1193	769.5	36.9	28-07-2008 10:35:56	0.376	0.002	0.514	0.2321	BP HIGHLANDS
tce146	1,240,145.509	2,383,164.382	7/28/2008	0.04134	0.0009	0.6674	770.8	37.3	28-07-2008 10:42:55	0.178	0.004	2.874	0.2322	BP HIGHLANDS
tce147	1,239,955.125	2,383,164.284	7/28/2008	0.01209	0.0063	0.2948	772.6	37.7	28-07-2008 11:01:37	0.052	0.027	1.268	0.2325	BP HIGHLANDS
tce148	1,239,736.819	2,383,167.353	7/28/2008	0.00000	0.0000	0.2337	774.2	38.0	28-07-2008 11:08:29	0.000	-0.001	1.004	0.2327	BP HIGHLANDS
tce149	1,239,552.503	2,383,170.773	7/28/2008	0.09587	0.0065	0.7993	774.6	38.2	28-07-2008 11:13:40	0.412	0.028	3.435	0.2327	BP HIGHLANDS
tce150	1,239,540.045	2,382,956.226	7/28/2008	0.00000	0.0005	0.3500	777.5	38.5	28-07-2008 11:19:08	0.000	0.002	1.500	0.2333	BP HIGHLANDS
tce151	1,239,741.632	2,382,962.132	7/28/2008	0.00000	0.0037	0.0711	772.1	38.8	28-07-2008 11:24:21	0.000	0.016	0.307	0.2315	BP HIGHLANDS
tce152	1,239,949.440	2,382,953.672	7/28/2008	0.00811	0.0016	0.4798	772.9	39.0	28-07-2008 11:31:02	0.035	0.007	2.072	0.2316	BP HIGHLANDS
tce153	1,240,131.091	2,382,971.776	7/28/2008	0.00000	0.0030	0.2672	772.7	39.3	28-07-2008 11:38:28	0.000	0.013	1.155	0.2313	BP HIGHLANDS
tce154	1,240,353.120	2,382,962.942	7/28/2008	0.01487	0.0000	0.1159	776.6	39.5	28-07-2008 11:47:36	0.064	-0.001	0.499	0.2323	BP HIGHLANDS
tce155	1,240,546.111	2,382,958.296	7/28/2008	0.61403	0.0058	1.6862	771.8	39.8	28-07-2008 12:00:53	2.662	0.025	7.310	0.2307	BP HIGHLANDS
tce156	1,240,558.044	2,382,772.283	7/28/2008	0.00000	0.0000	0.6166	768.3	40.1	28-07-2008 12:07:26	0.000	-0.003	2.688	0.2294	BP HIGHLANDS
tce157	1,240,347.408	2,382,765.411	7/28/2008	0.00000	0.0002	0.2845	768.8	40.3	28-07-2008 12:14:16	0.000	0.001	1.240	0.2294	BP HIGHLANDS
tce158	1,240,136.059	2,382,765.902	7/28/2008	0.03891	0.0037	0.2827	771.6	40.3	28-07-2008 12:21:58	0.169	0.016	1.228	0.2302	BP HIGHLANDS
tce159	1,239,950.016	2,382,766.453	7/28/2008	0.00000	0.0000	0.7369	773.4	40.2	28-07-2008 12:27:46	0.000	-0.005	3.192	0.2308	BP HIGHLANDS
tce160	1,239,984.766	2,382,568.830	7/28/2008	0.00116	0.0000	0.5512	776.2	40.3	28-07-2008 12:34:50	0.005	-0.006	2.380	0.2316	BP HIGHLANDS

tce161	1,240,141.869	2,382,576.372	7/28/2008	0.00000	0.0016	0.2427	774.5	40.5	28-07-2008 12:40:43	0.000	0.007	1.051	0.2310	BP HIGHLANDS
tce162	1,240,336.267	2,382,563.814	7/28/2008	0.01542	0.0041	0.2479	772.5	40.8	28-07-2008 12:46:28	0.067	0.018	1.077	0.2301	BP HIGHLANDS
tce163	1,240,548.531	2,382,574.635	7/28/2008	0.11113	0.0041	0.7072	772.2	41.4	28-07-2008 12:56:57	0.484	0.018	3.080	0.2296	BP HIGHLANDS
tce164	1,240,157.331	2,382,350.216	7/28/2008	0.00000	0.0030	0.6708	770.4	42.0	28-07-2008 13:06:41	0.000	0.013	2.934	0.2286	BP HIGHLANDS
tce165	1,240,720.106	2,380,972.859	7/28/2008	0.05260	0.0048	0.0000	774.4	42.2	28-07-2008 13:20:25	0.229	0.021	-0.073	0.2297	BP HIGHLANDS
tce166	1,240,952.408	2,380,951.036	7/28/2008	0.03215	0.0048	0.2372	769.6	42.5	28-07-2008 13:27:20	0.141	0.021	1.040	0.2280	BP HIGHLANDS
bpe01	1,239,562.758	2,383,765.304	7/14/2008	0.15500	0.0038	0.1166	787.7	39.6	14-07-2008 13:15:43	0.658	0.016	0.495	0.2356	PINE RIVER
bpe02	1,239,760.467	2,383,782.995	7/14/2008	0.06184	0.0016	0.0206	785.5	40.5	14-07-2008 13:25:21	0.264	0.007	0.088	0.2342	PINE RIVER
bpe03	1,239,954.463	2,383,791.840	7/14/2008	0.09876	0.0048	0.2847	776.0	41.4	14-07-2008 13:33:10	0.428	0.021	1.234	0.2307	PINE RIVER
pre01	1,237,962.991	2,387,551.748	7/18/2008	50.10640	0.0005	0.6724	790.8	25.7	18-07-2008 09:31:29	202.455	0.002	2.717	0.2475	PINE RIVER
pre02	1,238,166.007	2,387,561.738	7/18/2008	0.17398	0.0010	0.4053	798.6	27.8	18-07-2008 09:39:19	0.701	0.004	1.633	0.2482	PINE RIVER
pre03	1,238,360.005	2,387,556.211	7/18/2008	0.68706	0.0007	0.3954	788.6	29.8	18-07-2008 09:47:37	2.822	0.003	1.624	0.2435	PINE RIVER
pre05	1,238,338.434	2,387,512.827	7/18/2008	0.10456	0.0046	0.3515	788.9	31.0	18-07-2008 09:54:15	0.431	0.019	1.449	0.2426	PINE RIVER
pre06	1,238,555.294	2,387,564.694	7/18/2008	0.07607	0.0031	0.3151	788.1	32.1	18-07-2008 10:00:18	0.315	0.013	1.305	0.2415	PINE RIVER
pre07	1,238,552.246	2,387,413.302	7/18/2008	0.03344	0.0046	0.4003	787.7	33.1	18-07-2008 10:08:36	0.139	0.019	1.664	0.2406	PINE RIVER
pre09	1,238,494.585	2,387,381.671	7/18/2008	0.00000	0.0026	0.2198	787.7	34.6	18-07-2008 10:16:32	0.000	0.011	0.918	0.2394	PINE RIVER
pre10	1,238,561.174	2,387,356.842	7/18/2008	0.07648	0.0067	0.9892	787.9	35.2	18-07-2008 10:22:04	0.320	0.028	4.139	0.2390	PINE RIVER
pre11	1,238,657.016	2,387,398.228	7/18/2008	0.08416	0.0012	0.1218	787.8	35.9	18-07-2008 10:31:05	0.353	0.005	0.511	0.2384	PINE RIVER
pre12	1,238,555.277	2,387,761.093	7/18/2008	0.12520	0.0026	0.3863	788.5	36.7	18-07-2008 10:40:28	0.526	0.011	1.623	0.2380	PINE RIVER
pre13	1,238,350.233	2,387,764.316	7/18/2008	0.03923	0.0055	0.5240	789.2	37.3	18-07-2008 10:48:22	0.165	0.023	2.204	0.2378	PINE RIVER
pre14	1,238,142.468	2,387,760.932	7/18/2008	0.02298	0.0017	0.2518	787.8	37.9	18-07-2008 10:55:31	0.097	0.007	1.063	0.2369	PINE RIVER
pre15	1,238,153.120	2,387,962.942	7/18/2008	0.00000	0.0019	0.8723	788.2	38.7	18-07-2008 11:07:44	0.000	0.008	3.690	0.2364	PINE RIVER
pre16	1,238,352.803	2,387,963.971	7/18/2008	0.10911	0.0083	0.4171	788.2	39.0	18-07-2008 11:16:32	0.462	0.035	1.766	0.2362	PINE RIVER
pre17	1,238,556.309	2,387,959.680	7/18/2008	0.06025	0.0076	0.1177	789.3	39.3	18-07-2008 11:21:17	0.255	0.032	0.498	0.2363	PINE RIVER
pre18	1,238,553.120	2,388,162.942	7/18/2008	0.06218	0.0064	0.0723	787.6	39.6	18-07-2008 11:27:51	0.264	0.027	0.307	0.2355	PINE RIVER
pre19	1,238,353.120	2,388,162.942	7/18/2008	0.04735	0.0092	0.6641	788.5	39.9	18-07-2008 11:33:06	0.201	0.039	2.819	0.2356	PINE RIVER
pre20	1,238,153.120	2,388,162.942	7/18/2008	0.03011	0.0059	0.2785	788.0	40.2	18-07-2008 11:40:05	0.128	0.025	1.184	0.2352	PINE RIVER
pre21	1,238,153.120	2,388,362.942	7/18/2008	210.36000	0.0136	3.1829	788.0	40.4	18-07-2008 11:43:37	894.937	0.058	13.541	0.2351	PINE RIVER
pre22	1,238,353.120	2,388,362.942	7/18/2008	0.00000	0.0103	0.0643	787.6	40.6	18-07-2008 11:47:23	0.000	0.044	0.274	0.2348	PINE RIVER
pre23	1,238,553.120	2,388,362.942	7/18/2008	0.00000	0.0120	0.0249	789.2	40.7	18-07-2008 11:51:51	0.000	0.051	0.106	0.2352	PINE RIVER
pre24	1,238,548.851	2,388,562.942	7/18/2008	0.05301	0.0094	0.6830	787.6	40.9	18-07-2008 11:57:49	0.226	0.040	2.912	0.2346	PINE RIVER
pre25	1,238,353.120	2,388,562.942	7/18/2008	0.06309	0.0063	0.9034	787.7	41.0	18-07-2008 12:02:49	0.269	0.027	3.852	0.2345	PINE RIVER
pre26	1,238,153.120	2,388,562.942	7/18/2008	0.00000	0.0084	0.6886	787.8	41.1	18-07-2008 12:07:34	0.000	0.036	2.937	0.2345	PINE RIVER
pre27	1,238,134.980	2,388,773.846	7/18/2008	0.00000	0.0049	0.0445	787.0	41.2	18-07-2008 12:13:06	-0.014	0.021	0.190	0.2342	PINE RIVER
pre28	1,238,345.307	2,388,764.030	7/18/2008	0.00000	0.0087	0.6972	787.1	41.3	18-07-2008 12:18:05	0.000	0.037	2.978	0.2341	PINE RIVER
pre29	1,238,341.031	2,388,964.936	7/18/2008	0.00000	0.0112	0.1320	787.0	41.3	18-07-2008 12:22:56	0.000	0.048	0.564	0.2341	PINE RIVER
pre30	1,238,150.644	2,388,963.463	7/18/2008	0.00000	0.0066	0.2368	787.3	41.3	18-07-2008 12:27:13	0.000	0.028	1.011	0.2342	PINE RIVER
pre31	1,238,338.038	2,389,156.888	7/18/2008	0.00000	0.0080	0.0426	787.1	41.2	18-07-2008 12:32:22	0.000	0.034	0.182	0.2342	PINE RIVER
pre32	1,238,153.362	2,389,166.711	7/18/2008	0.00000	0.0056	0.4563	787.7	41.2	18-07-2008 12:36:19	0.000	0.024	1.947	0.2344	PINE RIVER
pre33	1,238,736.765	2,386,699.793	7/18/2008	0.00023	0.0077	0.4866	785.9	43.0	18-07-2008 13:35:45	0.001	0.033	2.093	0.2325	PINE RIVER
prs01	1,238,641.830	2,385,711.117	7/8/2008	2.43447	0.0002	0.6058	786.9	35.7	08-07-2008 12:13:06	10.216	0.001	2.542	0.2383	PINE RIVER
prs02	1,238,752.775	2,385,742.641	7/8/2008	0.00000	0.0038	0.9181	783.9	36.7	08-07-2008 12:19:55	0.000	0.016	3.880	0.2366	PINE RIVER
prs03	1,238,794.628	2,385,650.717	7/8/2008	0.50536	0.0002	0.3787	786.8	37.6	08-07-2008 12:26:39	2.134	0.001	1.599	0.2368	PINE RIVER
prs04	1,238,743.033	2,385,554.069	7/8/2008	6.79411	0.0016	1.2988	781.1	38.2	08-07-2008 12:31:19	28.955	0.007	5.535	0.2346	PINE RIVER
prs05	1,238,968.269	2,385,616.333	7/8/2008	0.03012	0.0033	0.0953	780.1	39.3	08-07-2008 12:43:05	0.129	0.014	0.408	0.2335	PINE RIVER
prs06	1,239,139.318	2,385,367.640	7/8/2008	0.00000	0.0016	0.0266	781.1	40.5	08-07-2008 12:56:32	0.000	0.007	0.114	0.2329	PINE RIVER
prs07	1,239,137.330	2,385,154.587	7/8/2008	0.00000	0.0023	0.3477	778.5	41.2	08-07-2008 13:10:29	0.000	0.010	1.501	0.2316	PINE RIVER
prs08	1,239,152.688	2,384,959.116	7/8/2008	0.04630	0.0021	0.0491	779.3	41.7	08-07-2008 13:18:52	0.200	0.009	0.212	0.2315	PINE RIVER
prs09	1,238,951.719	2,384,955.128	7/8/2008	0.05622	0.0009	0.3031	780.1	42.2	08-07-2008 13:27:29	0.243	0.004	1.310	0.2314	PINE RIVER
prs10	1,238,958.714	2,384,758.263	7/8/2008	0.02190	0.0099	0.0975	777.9	42.4	08-07-2008 13:36:00	0.095	0.043	0.423	0.2306	PINE RIVER
prs11	1,239,151.668	2,384,756.376	7/8/2008	0.25211	0.0011	0.7232	776.1	42.7	08-07-2008 13:46:10	1.097	0.005	3.147	0.2298	PINE RIVER
prs12	1,238,354.293	2,386,364.729	7/14/2008	0.04547	0.0015	0.1704	787.8	23.4	14-07-2008 07:18:19	0.183	0.006	0.686	0.2485	PINE RIVER
prs13	1,238,553.774	2,385,764.106	7/14/2008	0.14824	0.0010	0.1364	784.7	24.4	14-07-2008 07:30:34	0.601	0.004	0.553	0.2467	PINE RIVER
prs14	1,238,556.483	2,385,562.861	7/14/2008	0.03728	0.0017	0.1447	781.4	24.8	14-07-2008 07:37:24	0.152	0.007	0.590	0.2453	PINE RIVER
prs15	1,238,747.436	2,385,376.932	7/14/2008	0.00000	0.0010	0.1913	780.6	25.3	14-07-2008 07:45:39	0.000	0.004	0.782	0.2446	PINE RIVER
prs16	1,238,753.120	2,385,162.942	7/14/2008	0.00000	0.0007	0.1946	782.1	25.7	14-07-2008 07:53:05	0.000	0.003	0.795	0.2448	PINE RIVER
prs17	1,238,949.149	2,385,161.166	7/14/2008	0.03074	0.0017	0.3679	787.0	26.2	14-07-2008 08:01:58	0.125	0.007	1.496	0.2459	PINE RIVER

prs18	1,238,922.272	2,385,353.202	7/14/2008	0.05828	0.0005	0.3714	781.5	26.6	14-07-2008 08:09:53	0.239	0.002	1.523	0.2438	PINE RIVER
prs19	1,239,056.849	2,385,002.942	7/14/2008	3.69945	0.0039	2.6219	782.3	27.4	14-07-2008 08:19:57	15.196	0.016	10.770	0.2434	PINE RIVER
prs20	1,239,166.800	2,384,561.360	7/14/2008	0.05626	0.0022	0.1984	781.6	28.3	14-07-2008 08:32:18	0.232	0.009	0.818	0.2425	PINE RIVER
prs21	1,238,931.469	2,384,582.824	7/14/2008	0.06546	0.0029	0.1287	778.2	29.3	14-07-2008 08:44:24	0.272	0.012	0.535	0.2407	PINE RIVER
prs22	1,239,136.955	2,384,326.137	7/14/2008	0.06586	0.0019	0.1332	776.2	30.0	14-07-2008 08:57:23	0.275	0.008	0.556	0.2395	PINE RIVER
prs23	1,239,339.337	2,384,383.291	7/14/2008	0.22877	0.0002	0.6053	776.1	30.5	14-07-2008 09:07:38	0.957	0.001	2.532	0.2391	PINE RIVER
prs24	1,239,344.426	2,384,187.292	7/14/2008	0.02774	0.0017	0.2262	777.4	30.9	14-07-2008 09:18:40	0.116	0.007	0.946	0.2391	PINE RIVER
prs25	1,239,546.481	2,384,173.510	7/14/2008	0.00000	0.0014	0.1513	777.5	31.1	14-07-2008 09:28:06	-0.008	0.006	0.633	0.2390	PINE RIVER
prs26	1,239,550.437	2,383,969.891	7/14/2008	0.03678	0.0036	0.4543	777.5	31.3	14-07-2008 09:37:57	0.154	0.015	1.902	0.2389	PINE RIVER
prs27	1,239,742.949	2,383,972.185	7/14/2008	162.17300	0.0029	1.2835	775.5	31.5	14-07-2008 09:45:55	681.155	0.012	5.391	0.2381	PINE RIVER
prs28	1,239,955.101	2,383,982.187	7/14/2008	0.13677	0.0012	0.2659	776.9	31.8	14-07-2008 09:56:27	0.574	0.005	1.116	0.2383	PINE RIVER
prs29	1,240,148.186	2,383,969.812	7/14/2008	0.00000	0.0029	0.1381	776.6	32.4	14-07-2008 10:21:57	0.000	0.012	0.581	0.2377	PINE RIVER
prs30	1,240,146.857	2,384,163.103	7/14/2008	0.06644	0.0052	0.3081	774.7	33.3	14-07-2008 10:38:29	0.281	0.022	1.303	0.2364	PINE RIVER
prs31	1,240,154.477	2,384,376.451	7/14/2008	0.00000	0.0031	0.1217	774.5	34.0	14-07-2008 10:47:57	0.000	0.013	0.516	0.2358	PINE RIVER
prs32	1,239,754.046	2,384,562.276	7/14/2008	0.07770	0.0038	0.1069	774.2	34.4	14-07-2008 10:59:54	0.330	0.016	0.454	0.2354	PINE RIVER
prs33	1,239,550.021	2,384,559.300	7/14/2008	0.03284	0.0028	0.2117	777.6	34.7	14-07-2008 11:06:54	0.139	0.012	0.896	0.2362	PINE RIVER
prs34	1,239,352.672	2,384,554.122	7/14/2008	9.08148	0.0092	3.0616	781.5	35.5	14-07-2008 11:20:48	38.348	0.039	12.928	0.2368	PINE RIVER
prs35	1,239,553.120	2,384,362.942	7/14/2008	0.00000	0.0019	0.2957	778.8	36.2	14-07-2008 11:30:34	0.000	0.008	1.256	0.2355	PINE RIVER
prs36	1,239,745.405	2,384,367.821	7/14/2008	0.05356	0.0040	0.1800	778.8	36.9	14-07-2008 11:40:46	0.228	0.017	0.766	0.2349	PINE RIVER
prs37	1,239,939.733	2,384,387.370	7/14/2008	0.00000	0.0047	0.0882	778.4	37.3	14-07-2008 11:49:01	0.000	0.020	0.376	0.2345	PINE RIVER
prs38	1,239,949.422	2,384,176.306	7/14/2008	0.01611	0.0073	0.1753	787.1	37.6	14-07-2008 11:55:39	0.068	0.031	0.740	0.2369	PINE RIVER
prs39	1,239,757.558	2,384,164.040	7/14/2008	1.88598	0.0040	2.6219	776.2	37.8	14-07-2008 12:02:13	8.078	0.017	11.230	0.2335	PINE RIVER
prw01	1,238,154.631	2,386,762.656	6/30/2008	2.21236	0.0019	1.2011	792.5	31.4	30-06-2008 11:16:40	9.090	0.008	4.935	0.2434	PINE RIVER
prw02	1,238,155.338	2,386,962.074	6/30/2008	0.14385	0.0039	0.0818	793.0	32.6	30-06-2008 11:23:25	0.593	0.016	0.337	0.2426	PINE RIVER
prw03	1,238,137.415	2,387,142.383	6/30/2008	0.00000	0.0051	0.4740	792.4	34.9	30-06-2008 11:36:15	0.000	0.021	1.970	0.2406	PINE RIVER
prw04	1,238,153.387	2,387,362.540	6/30/2008	0.09900	0.0065	0.5234	794.0	35.9	30-06-2008 11:42:43	0.412	0.027	2.178	0.2403	PINE RIVER
prw05	1,237,954.309	2,387,160.626	6/30/2008	0.14709	0.0019	0.3719	793.6	37.2	30-06-2008 11:50:54	0.615	0.008	1.555	0.2392	PINE RIVER
prw06	1,237,947.316	2,386,959.785	6/30/2008	0.05506	0.0000	0.1497	793.4	38.2	30-06-2008 11:59:05	0.231	0.000	0.628	0.2383	PINE RIVER
prw07	1,237,937.402	2,386,767.948	6/30/2008	0.10154	0.0083	0.8118	793.1	38.8	30-06-2008 12:03:42	0.427	0.035	3.414	0.2378	PINE RIVER
prw08	1,237,752.277	2,386,749.879	6/30/2008	0.00000	0.0019	0.3813	792.5	39.4	30-06-2008 12:09:40	0.000	0.008	1.608	0.2372	PINE RIVER
prw09	1,237,547.032	2,386,757.624	6/30/2008	0.00000	0.0024	0.1670	792.8	39.9	30-06-2008 12:15:10	0.000	0.010	0.705	0.2369	PINE RIVER
prw10	1,238,137.859	2,386,564.220	6/30/2008	0.05295	0.0061	0.0591	793.0	40.6	30-06-2008 12:29:32	0.224	0.026	0.250	0.2364	PINE RIVER
prw11	1,238,158.400	2,386,370.468	6/30/2008	0.06006	0.0033	0.0829	791.1	41.0	30-06-2008 12:35:22	0.255	0.014	0.352	0.2355	PINE RIVER
prw12	1,238,348.745	2,386,166.011	6/30/2008	0.08272	0.0082	0.2524	790.3	41.4	30-06-2008 12:44:24	0.352	0.035	1.074	0.2350	PINE RIVER
prw13	1,238,341.290	2,385,963.781	6/30/2008	0.11858	0.0103	0.1506	787.6	41.8	30-06-2008 12:53:25	0.507	0.044	0.644	0.2339	PINE RIVER
prw15	1,238,350.509	2,386,772.244	7/1/2008	0.18477	0.0177	0.1006	789.8	27.9	01-07-2008 09:43:00	0.753	0.072	0.410	0.2454	PINE RIVER
prw16	1,238,354.308	2,386,964.109	7/1/2008	0.00000	0.0071	0.3738	797.4	29.9	01-07-2008 09:48:33	0.000	0.029	1.519	0.2461	PINE RIVER
prw17	1,238,358.352	2,387,157.061	7/1/2008	0.00000	0.0012	0.0078	790.0	30.9	01-07-2008 09:52:42	0.000	0.005	0.032	0.2430	PINE RIVER
prw18	1,238,548.323	2,386,933.463	7/1/2008	0.00000	0.0065	0.4781	789.8	31.7	01-07-2008 09:57:23	0.000	0.027	1.973	0.2423	PINE RIVER
prw19	1,238,554.886	2,386,770.626	7/1/2008	0.12377	0.0048	0.4755	789.7	32.4	01-07-2008 10:02:51	0.512	0.020	1.967	0.2417	PINE RIVER
prw20	1,238,353.825	2,386,558.335	7/1/2008	0.12121	0.0065	0.2597	790.0	34.7	01-07-2008 10:21:37	0.505	0.027	1.082	0.2400	PINE RIVER
prw21	1,238,554.176	2,386,555.563	7/1/2008	0.10943	0.0007	0.3982	795.9	35.7	01-07-2008 10:28:57	0.454	0.003	1.652	0.2410	PINE RIVER
prw22	1,238,750.734	2,386,503.897	7/1/2008	0.02519	0.0002	0.0829	787.7	36.9	01-07-2008 10:39:14	0.106	0.001	0.349	0.2376	PINE RIVER
prw23	1,238,742.588	2,386,365.047	7/1/2008	0.00000	0.0024	0.1711	787.5	37.7	01-07-2008 10:45:25	0.000	0.010	0.722	0.2369	PINE RIVER
prw24	1,238,537.048	2,385,559.321	7/1/2008	0.00000	0.0005	0.0984	787.3	41.0	01-07-2008 11:27:11	0.000	0.002	0.420	0.2344	PINE RIVER
prw25	1,238,552.851	2,385,755.892	7/1/2008	0.00000	0.0007	0.0995	783.1	41.3	01-07-2008 11:32:31	0.000	0.003	0.427	0.2329	PINE RIVER
prw26	1,238,549.513	2,385,961.265	7/1/2008	0.00000	0.0007	0.1844	782.6	41.6	01-07-2008 11:37:56	0.000	0.003	0.793	0.2326	PINE RIVER
prw27	1,238,549.998	2,386,165.515	7/1/2008	0.08763	0.0040	0.4579	782.7	41.8	01-07-2008 11:44:26	0.377	0.017	1.970	0.2324	PINE RIVER
prw28	1,238,555.786	2,386,354.233	7/1/2008	0.03445	0.0002	0.0433	784.6	42.1	01-07-2008 11:51:30	0.148	0.001	0.186	0.2328	PINE RIVER
prw29	1,238,948.538	2,385,965.212	7/1/2008	0.02555	0.0000	0.0460	785.1	43.0	01-07-2008 12:11:05	0.110	0.000	0.198	0.2323	PINE RIVER
prw30	1,238,929.849	2,386,161.395	7/1/2008	0.00000	0.0009	0.0821	783.1	42.8	01-07-2008 12:21:15	0.000	0.004	0.354	0.2318	PINE RIVER
prw31	1,239,143.007	2,385,962.146	7/1/2008	0.00000	0.0002	0.0141	781.8	42.8	01-07-2008 12:26:28	0.000	0.001	0.061	0.2314	PINE RIVER
prw32	1,239,154.359	2,385,770.753	7/1/2008	0.00000	0.0023	0.1129	781.2	42.8	01-07-2008 12:31:21	0.000	0.010	0.488	0.2313	PINE RIVER
prw33	1,239,348.264	2,385,736.000	7/1/2008	0.00000	0.0002	0.0727	779.5	42.8	01-07-2008 12:37:23	0.000	0.001	0.315	0.2308	PINE RIVER
prw34	1,239,495.364	2,385,566.718	7/1/2008	0.00070	0.0005	0.1237	791.9	42.9	01-07-2008 12:42:00	0.003	0.002	0.528	0.2344	PINE RIVER
prw35	1,239,548.696	2,385,371.595	7/1/2008	0.74383	0.0002	1.0245	777.7	43.0	01-07-2008 12:46:13	3.233	0.001	4.453	0.2301	PINE RIVER
prw36	1,239,746.225	2,385,239.726	7/1/2008	0.00000	0.0016	0.1257	777.9	43.0	01-07-2008 12:52:48	0.000	0.007	0.546	0.2301	PINE RIVER

APPENDIX C
VOLUMETRIC FLUX CALCULATIONS



VOLUMETRIC FLUX CALCULATIONS

HOMOGENEOUS POROUS MEDIA FLOW

Since the field mapping incorporated a grid network for sampling, LTE assumed that the gas flow is through a porous medium. Given the various hypotheses that suggest methane may also migrate up-dip from within the basin toward the outcrop along pathways of preferential flow, for example in coal cleats and fracture systems, the assumption of gas flow through a porous medium may not be valid.

However, the spatial distribution of data suggests that the flow may mimic a homogeneous medium on a large scale because we observe relatively large areas containing contiguous sampling points that exhibit similar methane flux. If the system is fracture-dominated, we might expect to see more discontinuous areas of flux or a spatial component distributing gas flow in the direction of the predominant fracture system which is in the direction of the formation dip. This type of spatial distribution is not readily observed in the data set. Rather, a spatial component to the data set in the direction of bedding (parallel to strike) is apparent.

Therefore, when looking at gas flux on a large scale, the grid spacing appears adequate to identify the extent of seepage and provide an estimate of total flux from the project area.

LTE's experience has found that a smaller grid will likely identify discontinuities within a given seep area and that these discontinuities are likely related to stratigraphy of individual coal beds and/or subsurface structure patterns.

VARIABLE FLOW OVER TIME

Previous work by LTE has documented both daily and seasonal changes in flow rate over time. It is not feasible to collect gas flux data from all the data points at the same time of day or within a period of one day. Therefore, there will be variations in the flow rate among each of the sampling points. In order to calculate a flux from the project area, LTE assumed that all measurements were collected at the same time.

The 2008 methane seep mapping occurred in October 2008. It is important to recognize that the estimated flux from this sampling event is for a given time period and may vary throughout the year. Determining seasonal variation may be important in estimating total annual methane flux from the Kf outcrop.

ESTIMATION METHOD

The flux estimation method used by LTE is comprised of six steps, including data processing, grid interpolation, grid math, contouring, volume calculations, and the resultant total flux calculation. Each step involved in the method is described below.

Data Processing

The Flux Manager[®] data files for each sample point were processed in order to determine the flux of each sample point. As previously mentioned, the slope of the flux curve created in the Flux Manager[®] software is proportional to the flux of the sample point. The flux of each sample point, measured in moles/m²•day, was calculated using the following formula:

$$\text{Flux of Sample Point} = S \times K$$

where,

S = slope of flux curve (ppm/second)

K = accumulation chamber factor

The accumulation chamber factor (K) incorporates the air temperature, barometric pressure, volume of the accumulation chamber, and surface area of the inlet to the accumulation chamber. The accumulation factor was calculated using the following formula:

$$K = \frac{86,400 \times P}{10^6 \times R \times T_K} \times \frac{V}{A}$$

where,

K = accumulation factor

P = barometric pressure (mBar)

V = net volume of the accumulation chamber (m³)

R = gas constant (0.08314510 bar LK⁻¹ mol⁻¹)

T_K = air temperature (Kelvin)

A = net area of inlet to the accumulation chamber (m²)

By applying the aforementioned formulas to each data file, the flux of methane was calculated for each sample point.

Interpolation Gridding – Kriging Method

LTE interpolated the data using the Kriging method. The interpolation was performed using Surfer[®] version 8.0 by Golden Software, Inc. Surfer[®] is a grid-based graphics program that interpolates irregularly spaced data with Cartesian coordinated into a regulatory spaced grid.

The Kriging method is a popular geostatistical gridding method. LTE utilized this method to interpolate a grid of methane flux and carbon dioxide flux at each of the seep areas using each of the measurement points. Detailed explanation of this statistical method is described by Cressie (1993) and Armstrong and Champigny (1988).

In general, Kriging is a regression technique used in geostatistics to approximate or interpolate data. LTE utilized the Kriging defaults in Surfer[®] to generate grids. The Kriging algorithm can result in negative value in the regions beyond the areas where data were collected. Negative values were excluded from the maps and the area and volume calculations.

Contouring

Once the grids of methane flux were generated, LTE exported the positive contours from Surfer[®] to ArcMap to generate the contour maps of methane flux areas.

Total Flux Calculations

In order to estimate the total flux of each seep area, the grid volume capability in Surfer[®] was utilized. The Surfer[®] Grid Volume output files, presenting the volume estimates for each seep area, are included as Attachment C-1. Under the heading “Cut & Fill Volumes”, the “Positive Volume [Cut]” represents the volume between the contoured surface and the zero plane. The units of the contoured values are in moles/m²•day. Since the units for the X and Y coordinates were feet, a z-scale factor of 0.0929 m²/ft² was used, such that the resulting volume has units of moles/m²•day x m²/ft². When the resulting volume is multiplied by the area of seepage (ft²), these units are equal to moles/day.

For a better perspective of the methane flux rates, LTE converted the mass flux values into volumetric flux units of cubic feet per day (CFD), assuming equal areas. The unit conversion is based on the molecular weight of the gas and the density of the gas at approximately 7,000 feet above mean sea level. For methane flux, the calculation is as follows:

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

For example,

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

ATTACHEMENT C-1

SURFER[®] GRID VOLUME OUTPUT FILES

Basin Creek Methane 2008 Grid Volume Computations

Wed Jan 28 12:11:33 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\BCbIn.grd
Grid Size:	400 rows x 500 columns
X Minimum:	2299800.16
X Maximum:	2333158.02
X Spacing:	66.849418837675
Y Minimum:	1208388.36
Y Maximum:	1235946.83
Y Spacing:	69.068847117794
Z Minimum:	-0.57184890154751
Z Maximum:	7.3587641243798

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	46822.023933581
Simpson's Rule:	47356.725550053
Simpson's 3/8 Rule:	45947.996542999

Cut & Fill Volumes

Positive Volume [Cut]:	48582.080630396
Negative Volume [Fill]:	1760.0566968143
Net Volume [Cut-Fill]:	46822.023933581

Areas

Planar Areas

Positive Planar Area [Cut]: 918666.7870885
 Negative Planar Area [Fill]: 247179.31603873
 Blanked Planar Area: 918125737.97107
 Total Planar Area: 919291584.0742

Surface Areas

Positive Surface Area [Cut]: 918667.84143001
 Negative Surface Area [Fill]: 247179.32710181

Basin Creek Methane 2008
 Grid Volume Computations

Layer Surface
 Layer Name: 10101 Grid
 Layer Base: 10102 Grid

Cut Area	918667.84143001
Fill Area	247179.32710181
Total Area	671488.51432820
Blanked Area	918125737.97107
Total Area	918807526.50539821

Layer Surface
 Layer Name: 10102 Grid
 Layer Base: 10103 Grid

Cut Area	918667.84143001
Fill Area	247179.32710181
Total Area	671488.51432820
Blanked Area	918125737.97107
Total Area	918807526.50539821

Total
 Positive Area
 Negative Area

Basin Creek North Methane 2008 Grid Volume Computations

Wed Jan 28 12:48:13 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\BCNbnl.grd
Grid Size:	400 rows x 500 columns
X Minimum:	2299800.16
X Maximum:	2333158.02
X Spacing:	66.849418837675
Y Minimum:	1208388.36
Y Maximum:	1235946.83
Y Spacing:	69.068847117794
Z Minimum:	-0.14415771375763
Z Maximum:	1.439433737545

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	6626.2188554706
Simpson's Rule:	7125.03491308
Simpson's 3/8 Rule:	6781.2832450949

Cut & Fill Volumes

Positive Volume [Cut]:	6888.0274543417
Negative Volume [Fill]:	261.80859887112
Net Volume [Cut-Fill]:	6626.2188554706

Areas

Planar Areas

Positive Planar Area [Cut]: 239558.0746659
Negative Planar Area [Fill]: 129818.90852244
Blanked Planar Area: 918922207.09103
Total Planar Area: 919291584.0742

Surface Areas

Positive Surface Area [Cut]: 239558.08675739
Negative Surface Area [Fill]: 129818.90889369

Basin Creek Horn Method
Grid Volume Computations

Area for 10' to 11' 12.5000'

Upper Surface

Cell No.	Cell Area	Cell Volume
1	10000.00	10000.00
2	10000.00	10000.00
3	10000.00	10000.00
4	10000.00	10000.00
5	10000.00	10000.00
6	10000.00	10000.00
7	10000.00	10000.00
8	10000.00	10000.00
9	10000.00	10000.00
10	10000.00	10000.00
11	10000.00	10000.00
12	10000.00	10000.00
13	10000.00	10000.00
14	10000.00	10000.00
15	10000.00	10000.00
16	10000.00	10000.00
17	10000.00	10000.00
18	10000.00	10000.00
19	10000.00	10000.00
20	10000.00	10000.00
21	10000.00	10000.00
22	10000.00	10000.00
23	10000.00	10000.00
24	10000.00	10000.00
25	10000.00	10000.00
26	10000.00	10000.00
27	10000.00	10000.00
28	10000.00	10000.00
29	10000.00	10000.00
30	10000.00	10000.00
31	10000.00	10000.00
32	10000.00	10000.00
33	10000.00	10000.00
34	10000.00	10000.00
35	10000.00	10000.00
36	10000.00	10000.00
37	10000.00	10000.00
38	10000.00	10000.00
39	10000.00	10000.00
40	10000.00	10000.00
41	10000.00	10000.00
42	10000.00	10000.00
43	10000.00	10000.00
44	10000.00	10000.00
45	10000.00	10000.00
46	10000.00	10000.00
47	10000.00	10000.00
48	10000.00	10000.00
49	10000.00	10000.00
50	10000.00	10000.00
51	10000.00	10000.00
52	10000.00	10000.00
53	10000.00	10000.00
54	10000.00	10000.00
55	10000.00	10000.00
56	10000.00	10000.00
57	10000.00	10000.00
58	10000.00	10000.00
59	10000.00	10000.00
60	10000.00	10000.00
61	10000.00	10000.00
62	10000.00	10000.00
63	10000.00	10000.00
64	10000.00	10000.00
65	10000.00	10000.00
66	10000.00	10000.00
67	10000.00	10000.00
68	10000.00	10000.00
69	10000.00	10000.00
70	10000.00	10000.00
71	10000.00	10000.00
72	10000.00	10000.00
73	10000.00	10000.00
74	10000.00	10000.00
75	10000.00	10000.00
76	10000.00	10000.00
77	10000.00	10000.00
78	10000.00	10000.00
79	10000.00	10000.00
80	10000.00	10000.00
81	10000.00	10000.00
82	10000.00	10000.00
83	10000.00	10000.00
84	10000.00	10000.00
85	10000.00	10000.00
86	10000.00	10000.00
87	10000.00	10000.00
88	10000.00	10000.00
89	10000.00	10000.00
90	10000.00	10000.00
91	10000.00	10000.00
92	10000.00	10000.00
93	10000.00	10000.00
94	10000.00	10000.00
95	10000.00	10000.00
96	10000.00	10000.00
97	10000.00	10000.00
98	10000.00	10000.00
99	10000.00	10000.00
100	10000.00	10000.00

Lower Surface

Cell No.	Cell Area	Cell Volume
1	10000.00	10000.00
2	10000.00	10000.00
3	10000.00	10000.00
4	10000.00	10000.00
5	10000.00	10000.00
6	10000.00	10000.00
7	10000.00	10000.00
8	10000.00	10000.00
9	10000.00	10000.00
10	10000.00	10000.00
11	10000.00	10000.00
12	10000.00	10000.00
13	10000.00	10000.00
14	10000.00	10000.00
15	10000.00	10000.00
16	10000.00	10000.00
17	10000.00	10000.00
18	10000.00	10000.00
19	10000.00	10000.00
20	10000.00	10000.00
21	10000.00	10000.00
22	10000.00	10000.00
23	10000.00	10000.00
24	10000.00	10000.00
25	10000.00	10000.00
26	10000.00	10000.00
27	10000.00	10000.00
28	10000.00	10000.00
29	10000.00	10000.00
30	10000.00	10000.00
31	10000.00	10000.00
32	10000.00	10000.00
33	10000.00	10000.00
34	10000.00	10000.00
35	10000.00	10000.00
36	10000.00	10000.00
37	10000.00	10000.00
38	10000.00	10000.00
39	10000.00	10000.00
40	10000.00	10000.00
41	10000.00	10000.00
42	10000.00	10000.00
43	10000.00	10000.00
44	10000.00	10000.00
45	10000.00	10000.00
46	10000.00	10000.00
47	10000.00	10000.00
48	10000.00	10000.00
49	10000.00	10000.00
50	10000.00	10000.00
51	10000.00	10000.00
52	10000.00	10000.00
53	10000.00	10000.00
54	10000.00	10000.00
55	10000.00	10000.00
56	10000.00	10000.00
57	10000.00	10000.00
58	10000.00	10000.00
59	10000.00	10000.00
60	10000.00	10000.00
61	10000.00	10000.00
62	10000.00	10000.00
63	10000.00	10000.00
64	10000.00	10000.00
65	10000.00	10000.00
66	10000.00	10000.00
67	10000.00	10000.00
68	10000.00	10000.00
69	10000.00	10000.00
70	10000.00	10000.00
71	10000.00	10000.00
72	10000.00	10000.00
73	10000.00	10000.00
74	10000.00	10000.00
75	10000.00	10000.00
76	10000.00	10000.00
77	10000.00	10000.00
78	10000.00	10000.00
79	10000.00	10000.00
80	10000.00	10000.00
81	10000.00	10000.00
82	10000.00	10000.00
83	10000.00	10000.00
84	10000.00	10000.00
85	10000.00	10000.00
86	10000.00	10000.00
87	10000.00	10000.00
88	10000.00	10000.00
89	10000.00	10000.00
90	10000.00	10000.00
91	10000.00	10000.00
92	10000.00	10000.00
93	10000.00	10000.00
94	10000.00	10000.00
95	10000.00	10000.00
96	10000.00	10000.00
97	10000.00	10000.00
98	10000.00	10000.00
99	10000.00	10000.00
100	10000.00	10000.00

Average

Blank Area

Carbon Junction West Methane 2008 Grid Volume Computations

Wed Jan 28 11:37:32 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\CJWbln.grd
Grid Size:	400 rows x 500 columns
X Minimum:	2299800.16
X Maximum:	2333158.02
X Spacing:	66.849418837675
Y Minimum:	1208388.36
Y Maximum:	1235946.83
Y Spacing:	69.068847117794
Z Minimum:	-0.36215598751177
Z Maximum:	6.0053547802912

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	79488.467955336
Simpson's Rule:	79791.852198146
Simpson's 3/8 Rule:	79488.906059744

Cut & Fill Volumes

Positive Volume [Cut]:	83274.368387595
Negative Volume [Fill]:	3785.9004322589
Net Volume [Cut-Fill]:	79488.467955336

Areas

Planar Areas

Positive Planar Area [Cut]: 2244885.2476668
Negative Planar Area [Fill]: 560071.21827295
Blanked Planar Area: 916486627.60826
Total Planar Area: 919291584.0742

Surface Areas

Positive Surface Area [Cut]: 2244885.7826838
Negative Surface Area [Fill]: 560071.22355627

Carbon Junction East Methane 2008 Grid Volume Computations

Wed Jan 28 11:34:14 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\CJEbln.grd
Grid Size:	400 rows x 500 columns
X Minimum:	2299800.16
X Maximum:	2333158.02
X Spacing:	66.849418837675
Y Minimum:	1208388.36
Y Maximum:	1235946.83
Y Spacing:	69.068847117794
Z Minimum:	-1.911087221769
Z Maximum:	65.101800763953

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	217151.3173069
Simpson's Rule:	209806.35517073
Simpson's 3/8 Rule:	209511.13165434

Cut & Fill Volumes

Positive Volume [Cut]:	263082.49797414
Negative Volume [Fill]:	45931.180667233
Net Volume [Cut-Fill]:	217151.3173069

Areas

Planar Areas

Positive Planar Area [Cut]: 2800194.4425651
Negative Planar Area [Fill]: 1449949.4700235
Blanked Planar Area: 915041440.16161
Total Planar Area: 919291584.0742

Surface Areas

Positive Surface Area [Cut]: 2800242.4904707
Negative Surface Area [Fill]: 1449949.9360784

Florida River West Methane 2008 Grid Volume Computations

Wed Jan 28 13:06:17 2009

Upper Surface

Grid File Name:	P:\LaPlata2008 Detailed Seep Mapping\Surfer\FRWbln.grd
Grid Size:	400 rows x 500 columns
X Minimum:	2299800.16
X Maximum:	2333158.02
X Spacing:	66.849418837675
Y Minimum:	1208388.36
Y Maximum:	1235946.83
Y Spacing:	69.068847117794
Z Minimum:	-0.012250845623511
Z Maximum:	0.19899238227583

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	6385.711473237
Simpson's Rule:	6220.3727224076
Simpson's 3/8 Rule:	6375.1282084968

Cut & Fill Volumes

Positive Volume [Cut]:	6391.2118938383
Negative Volume [Fill]:	5.5004206012912
Net Volume [Cut-Fill]:	6385.711473237

Areas

Planar Areas

Positive Planar Area [Cut]: 927352.75828366
 Negative Planar Area [Fill]: 21484.367231764
 Blanked Planar Area: 918342746.94868
 Total Planar Area: 919291584.0742

Surface Areas

Positive Surface Area [Cut]: 927352.75899154
 Negative Surface Area [Fill]: 21484.367234227

Florida River West Mainstem
 Grid Volume Computations

Grid File Name: C:\Users\james\Documents\Grid Volume Computations\Grid Volume Computations.mxd
 Grid File Path: C:\Users\james\Documents\Grid Volume Computations\Grid Volume Computations.mxd

Volume Units: Cubic Feet
 Volume Type: Volume
 Volume Method: Volume
 Volume Units: Cubic Feet
 Volume Type: Volume
 Volume Method: Volume

Lower Surface

Lower Surface Volume: 21484.367234227

Volume

Total Volume: 919291584.0742
 Volume Type: Volume
 Volume Method: Volume
 Volume Units: Cubic Feet
 Volume Type: Volume
 Volume Method: Volume

Average

Average Volume: 919291584.0742

Florida River East Methane 2008 Grid Volume Computations

Wed Jan 28 13:04:49 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\FREbIn.grd
Grid Size:	400 rows x 500 columns
X Minimum:	2299800.16
X Maximum:	2333158.02
X Spacing:	66.849418837675
Y Minimum:	1208388.36
Y Maximum:	1235946.83
Y Spacing:	69.068847117794
Z Minimum:	-0.034781694878944
Z Maximum:	3.6572840709951

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	33314.836072048
Simpson's Rule:	33410.810340486
Simpson's 3/8 Rule:	33235.269873131

Cut & Fill Volumes

Positive Volume [Cut]:	33323.176931184
Negative Volume [Fill]:	18.28879377371
Net Volume [Cut-Fill]:	33304.88813741

Areas

Planar Areas

Positive Planar Area [Cut]: 1279054.3048349
 Negative Planar Area [Fill]: 11456.530111915
 Blanked Planar Area: 918001073.23925
 Total Planar Area: 919291584.0742

Surface Areas

Positive Surface Area [Cut]: 1279054.5075661
 Negative Surface Area [Fill]: 11456.530157009

Florida River East Wetlands
 Grid Volume Computations

Area	Volume	Area	Volume
Upper Surface	1279054.3048349	Lower Surface	11456.530111915
Blanked Area	918001073.23925	Blanked Area	918001073.23925
Total Area	919291584.0742	Total Area	919291584.0742
Positive Surface Area [Cut]	1279054.5075661	Negative Surface Area [Fill]	11456.530157009

Vosberg Pike Methane 2008 Grid Volume Computations

Wed Mar 25 15:14:52 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\VP2008_bln2007.grd
Grid Size:	35 rows x 50 columns
X Minimum:	2348650
X Maximum:	2351250
X Spacing:	53.061224489796
Y Minimum:	1243200
Y Maximum:	1244450
Y Spacing:	36.764705882353
Z Minimum:	-0.041527038367065
Z Maximum:	1.5341162808202

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	12909.856125498
Simpson's Rule:	12797.063481772
Simpson's 3/8 Rule:	13015.576701289

Cut & Fill Volumes

Positive Volume [Cut]:	12986.717110286
Negative Volume [Fill]:	76.860984787882
Net Volume [Cut-Fill]:	12909.856125498

Areas

Planar Areas

Positive Planar Area [Cut]: 700742.47340047
Negative Planar Area [Fill]: 93225.113634344
Blanked Planar Area: 2456032.4129652
Total Planar Area: 3250000

Surface Areas

Positive Surface Area [Cut]: 700742.51218822
Negative Surface Area [Fill]: 93225.113690002

SFTC Central and West Methane 2008 GridVolume Computations

(excludes the SFTC Main Seep Area)

Wed Mar 25 13:23:08 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\TCTCW_no_msa_bln.grd
Grid Size:	100 rows x 300 columns
X Minimum:	2370551.31
X Maximum:	2389166.71
X Spacing:	62.258862876254
Y Minimum:	1237547.03
Y Maximum:	1244549.3
Y Spacing:	70.73
Z Minimum:	-33.660708451199
Z Maximum:	26.742788346676

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	-712493.94054678
Simpson's Rule:	-719625.83391973
Simpson's 3/8 Rule:	-705636.15421034

Cut & Fill Volumes

Positive Volume [Cut]:	155066.57711718
Negative Volume [Fill]:	867560.51766397
Net Volume [Cut-Fill]:	-712493.94054678

Areas

Planar Areas

Positive Planar Area [Cut]: 1778482.5290427
Negative Planar Area [Fill]: 1306217.8155091
Blanked Planar Area: 127265356.61345
Total Planar Area: 130350056.958

Surface Areas

Positive Surface Area [Cut]: 1778489.6377549
Negative Surface Area [Fill]: 1306294.801259

8FTC Central and West
Grid Volume Computations
(Excludes the 8FTC Main Deep Area)

Volume of Cut and Fill

Upper Surface

Station	Volume	Area
1+00	100	100
1+10	110	110
1+20	120	120
1+30	130	130
1+40	140	140
1+50	150	150
1+60	160	160
1+70	170	170
1+80	180	180
1+90	190	190
2+00	200	200

Lower Surface

Level 60 feet below the Y

Volume

Station	Volume	Area
1+00	100	100
1+10	110	110
1+20	120	120
1+30	130	130
1+40	140	140
1+50	150	150
1+60	160	160
1+70	170	170
1+80	180	180
1+90	190	190
2+00	200	200

SFTC Main Seep Area Methane 2008 Grid Volume Computations

Wed Mar 25 13:21:40 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\TCmsa_bln.grd
Grid Size:	100 rows x 300 columns
X Minimum:	2370551.31
X Maximum:	2389166.71
X Spacing:	62.258862876254
Y Minimum:	1237547.03
Y Maximum:	1244549.3
Y Spacing:	70.73
Z Minimum:	-32.245497506158
Z Maximum:	189.99182374144

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	-137591.86185541
Simpson's Rule:	-168853.98846993
Simpson's 3/8 Rule:	-120890.08961923

Cut & Fill Volumes

Positive Volume [Cut]:	276824.14336604
Negative Volume [Fill]:	414416.00522145
Net Volume [Cut-Fill]:	-137591.8618554

Areas

Planar Areas

Positive Planar Area [Cut]: 166530.60586402
Negative Planar Area [Fill]: 256212.05377477
Blanked Planar Area: 129927314.29836
Total Planar Area: 130350056.958

Surface Areas

Positive Surface Area [Cut]: 167157.04038842
Negative Surface Area [Fill]: 256252.11911783

Texas Creek East Methane 2008 Grid Volume Computations

Wed Mar 25 13:53:18 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\TCEbln.grd
Grid Size:	100 rows x 300 columns
X Minimum:	2370551.31
X Maximum:	2389166.71
X Spacing:	62.258862876254
Y Minimum:	1237547.03
Y Maximum:	1244549.3
Y Spacing:	70.73
Z Minimum:	-1.0445713354189
Z Maximum:	16.97759153733

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	162087.29069692
Simpson's Rule:	162557.95352597
Simpson's 3/8 Rule:	159026.22729268

Cut & Fill Volumes

Positive Volume [Cut]:	166865.93360604
Negative Volume [Fill]:	4778.6429091123
Net Volume [Cut-Fill]:	162087.29069692

Areas

Planar Areas

Positive Planar Area [Cut]: 689860.45966196
 Negative Planar Area [Fill]: 263512.30921095
 Blanked Planar Area: 129396684.18913
 Total Planar Area: 130350056.958

Surface Areas

Positive Surface Area [Cut]: 689867.16190868
 Negative Surface Area [Fill]: 263512.35861335

Texas Creek East Methane
 Grid Volume Computations

Volume of Cut & Fill

Upper Surface

Station	Volume	Area
1+00	10000	10000
2+00	20000	20000
3+00	30000	30000
4+00	40000	40000
5+00	50000	50000
6+00	60000	60000
7+00	70000	70000
8+00	80000	80000
9+00	90000	90000
10+00	100000	100000

Lower Surface

Volume of Cut & Fill

Volumes

Station	Volume	Area
1+00	10000	10000
2+00	20000	20000
3+00	30000	30000
4+00	40000	40000
5+00	50000	50000
6+00	60000	60000
7+00	70000	70000
8+00	80000	80000
9+00	90000	90000
10+00	100000	100000

Areas

Area of Cut & Fill

BP Highlands Methane 2008 Grid Volume Computations

Wed Jan 28 15:39:05 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\HPbln.grd
Grid Size:	100 rows x 300 columns
X Minimum:	2370551.31
X Maximum:	2389166.71
X Spacing:	62.258862876254
Y Minimum:	1237547.03
Y Maximum:	1244549.3
Y Spacing:	70.73
Z Minimum:	-2.4062609073157
Z Maximum:	27.741073331506

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	110328.00351183
Simpson's Rule:	111419.06974111
Simpson's 3/8 Rule:	109645.00283287

Cut & Fill Volumes

Positive Volume [Cut]:	132033.07345607
Negative Volume [Fill]:	21705.069944241
Net Volume [Cut-Fill]:	110328.00351183

Areas

Planar Areas

Positive Planar Area [Cut]: 414593.06364512
Negative Planar Area [Fill]: 569604.69082645
Blanked Planar Area: 129365859.20353
Total Planar Area: 130350056.958

Surface Areas

Positive Surface Area [Cut]: 414602.48362396
Negative Surface Area [Fill]: 569604.87282752

Pine River Methane 2008 Grid Volume Computations

Wed Jan 28 15:40:22 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\PRbln.grd
Grid Size:	100 rows x 300 columns
X Minimum:	2370551.31
X Maximum:	2389166.71
X Spacing:	62.258862876254
Y Minimum:	1237547.03
Y Maximum:	1244549.3
Y Spacing:	70.73
Z Minimum:	-8.606958818056
Z Maximum:	176.96420057375

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	2160180.3497632
Simpson's Rule:	2161365.3154625
Simpson's 3/8 Rule:	2200060.1595944

Cut & Fill Volumes

Positive Volume [Cut]:	2467707.00985
Negative Volume [Fill]:	307526.6600868
Net Volume [Cut-Fill]:	2160180.3497632

Areas

Planar Areas

Positive Planar Area [Cut]: 3280555.6424588
 Negative Planar Area [Fill]: 3522959.036103
 Blanked Planar Area: 123546542.27944
 Total Planar Area: 130350056.958

Surface Areas

Positive Surface Area [Cut]: 3281142.9176216
 Negative Surface Area [Fill]: 3522964.6620555

Pine River Median 2008
 Grid Volume Computations

Volume of Cut = 3281142.9176216
 Volume of Fill = 3522964.6620555

Upper Surface

Station	Area	Volume
0+00	123546542.27944	0.00000
1+00	123546542.27944	0.00000
2+00	123546542.27944	0.00000
3+00	123546542.27944	0.00000
4+00	123546542.27944	0.00000
5+00	123546542.27944	0.00000
6+00	123546542.27944	0.00000
7+00	123546542.27944	0.00000
8+00	123546542.27944	0.00000
9+00	123546542.27944	0.00000
10+00	123546542.27944	0.00000

Lower Surface

Station	Area	Volume
0+00	123546542.27944	0.00000
1+00	123546542.27944	0.00000
2+00	123546542.27944	0.00000
3+00	123546542.27944	0.00000
4+00	123546542.27944	0.00000
5+00	123546542.27944	0.00000
6+00	123546542.27944	0.00000
7+00	123546542.27944	0.00000
8+00	123546542.27944	0.00000
9+00	123546542.27944	0.00000
10+00	123546542.27944	0.00000

Area

Total Area = 130350056.958

Western Section Methane 2008 Grid Volume Computations

Wed Jan 28 13:09:39 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\LeftBin.grd
Grid Size:	400 rows x 500 columns
X Minimum:	2299800.16
X Maximum:	2333158.02
X Spacing:	66.849418837675
Y Minimum:	1208388.36
Y Maximum:	1235946.83
Y Spacing:	69.068847117794
Z Minimum:	-1.911087221769
Z Maximum:	65.101800763953

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	1271937.2033116
Simpson's Rule:	1263519.106366
Simpson's 3/8 Rule:	1263996.1589457

Cut & Fill Volumes

Positive Volume [Cut]:	1387438.4826016
Negative Volume [Fill]:	115510.80013193
Net Volume [Cut-Fill]:	1271927.6824696

Areas

Planar Areas

Positive Planar Area [Cut]: 55153154.724879
Negative Planar Area [Fill]: 13320103.530078
Blanked Planar Area: 850818325.81924
Total Planar Area: 919291584.0742

Surface Areas

Positive Surface Area [Cut]: 55153214.552806
Negative Surface Area [Fill]: 13320104.088996

Western Section Methane
Grid Volume Computations

Upper Surface

Lower Surface

Grid Volume Computations

Area Type	Value
Upper Surface	55153214.552806
Lower Surface	13320104.088996
Blanked Area	850818325.81924
Total Area	919291584.0742

Upper Surface

Lower Surface

Volume

Total Volume

Grid Volume

Volume Type	Value
Upper Volume	55153214.552806
Lower Volume	13320104.088996
Blanked Volume	850818325.81924
Total Volume	919291584.0742

Area

Total Area

Central Section Methane 2008 Grid Volume Computations

Wed Jan 28 13:52:33 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\VPbln.grd
Grid Size:	35 rows x 50 columns
X Minimum:	2348650
X Maximum:	2351250
X Spacing:	53.061224489796
Y Minimum:	1243200
Y Maximum:	1244450
Y Spacing:	36.764705882353
Z Minimum:	-0.041527038367065
Z Maximum:	1.5341162808202

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	18092.058459375
Simpson's Rule:	18230.902866007
Simpson's 3/8 Rule:	18191.668260911

Cut & Fill Volumes

Positive Volume [Cut]:	18389.322321107
Negative Volume [Fill]:	297.26386173228
Net Volume [Cut-Fill]:	18092.058459375

Areas

Planar Areas

Positive Planar Area [Cut]: 1805792.0998637
 Negative Planar Area [Fill]: 409318.94455405
 Blanked Planar Area: 1034888.9555822
 Total Planar Area: 3250000

Surface Areas

Positive Surface Area [Cut]: 1805792.1437488
 Negative Surface Area [Fill]: 409318.94467663

Grid Volume Computations
 Central Section Method 2008

Grid Elevation	Grid Area	Volume
100.00	3250000	0.00
100.25	3250000	0.00
100.50	3250000	0.00
100.75	3250000	0.00
101.00	3250000	0.00
101.25	3250000	0.00
101.50	3250000	0.00
101.75	3250000	0.00
102.00	3250000	0.00
102.25	3250000	0.00
102.50	3250000	0.00
102.75	3250000	0.00
103.00	3250000	0.00
103.25	3250000	0.00
103.50	3250000	0.00
103.75	3250000	0.00
104.00	3250000	0.00
104.25	3250000	0.00
104.50	3250000	0.00
104.75	3250000	0.00
105.00	3250000	0.00
105.25	3250000	0.00
105.50	3250000	0.00
105.75	3250000	0.00
106.00	3250000	0.00
106.25	3250000	0.00
106.50	3250000	0.00
106.75	3250000	0.00
107.00	3250000	0.00
107.25	3250000	0.00
107.50	3250000	0.00
107.75	3250000	0.00
108.00	3250000	0.00
108.25	3250000	0.00
108.50	3250000	0.00
108.75	3250000	0.00
109.00	3250000	0.00
109.25	3250000	0.00
109.50	3250000	0.00
109.75	3250000	0.00
110.00	3250000	0.00

Upper Surface

Lower Surface

Volume

Grid Elevation	Grid Area	Volume
100.00	3250000	0.00
100.25	3250000	0.00
100.50	3250000	0.00
100.75	3250000	0.00
101.00	3250000	0.00
101.25	3250000	0.00
101.50	3250000	0.00
101.75	3250000	0.00
102.00	3250000	0.00
102.25	3250000	0.00
102.50	3250000	0.00
102.75	3250000	0.00
103.00	3250000	0.00
103.25	3250000	0.00
103.50	3250000	0.00
103.75	3250000	0.00
104.00	3250000	0.00
104.25	3250000	0.00
104.50	3250000	0.00
104.75	3250000	0.00
105.00	3250000	0.00
105.25	3250000	0.00
105.50	3250000	0.00
105.75	3250000	0.00
106.00	3250000	0.00
106.25	3250000	0.00
106.50	3250000	0.00
106.75	3250000	0.00
107.00	3250000	0.00
107.25	3250000	0.00
107.50	3250000	0.00
107.75	3250000	0.00
108.00	3250000	0.00
108.25	3250000	0.00
108.50	3250000	0.00
108.75	3250000	0.00
109.00	3250000	0.00
109.25	3250000	0.00
109.50	3250000	0.00
109.75	3250000	0.00
110.00	3250000	0.00

Area

Planar Area

Eastern Section Methane 2008 Grid Volume Computations

Wed Jan 28 14:50:45 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\rightbln.grd
Grid Size:	100 rows x 300 columns
X Minimum:	2370551.31
X Maximum:	2389166.71
X Spacing:	62.258862876254
Y Minimum:	1237547.03
Y Maximum:	1244549.3
Y Spacing:	70.73
Z Minimum:	-33.660708451199
Z Maximum:	189.99182374144

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	1535638.8909595
Simpson's Rule:	1501030.3305766
Simpson's 3/8 Rule:	1594101.7118282

Cut & Fill Volumes

Positive Volume [Cut]:	3375267.7176854
Negative Volume [Fill]:	1839628.8267259
Net Volume [Cut-Fill]:	1535638.8909595

Areas

Planar Areas

Positive Planar Area [Cut]: 15127208.741124
 Negative Planar Area [Fill]: 10303404.377772
 Blanked Planar Area: 104919443.8391
 Total Planar Area: 130350056.958

Surface Areas

Positive Surface Area [Cut]: 15128459.503295
 Negative Surface Area [Fill]: 10303540.575104

Grid Volume Computations
 Eastern Section Method 2

Station	Area	Volume
1+00	15127208.741124	15127208.741124
1+25	15128459.503295	15128459.503295
1+50	10303404.377772	10303404.377772
1+75	104919443.8391	104919443.8391
2+00	130350056.958	130350056.958

Lower Profile

Station	Area	Volume
1+00	15127208.741124	15127208.741124
1+25	15128459.503295	15128459.503295
1+50	10303404.377772	10303404.377772
1+75	104919443.8391	104919443.8391
2+00	130350056.958	130350056.958

Summary

Total Area

Western Section CO2 2008 – Grid Volume Computations

Fri Feb 20 14:42:38 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\LeftCO2.grd
Grid Size:	550 rows x 650 columns
X Minimum:	2299800.16
X Maximum:	2333158.02
X Spacing:	51.398859784283
Y Minimum:	1208388.36
Y Maximum:	1235946.83
Y Spacing:	50.197577413479
Z Minimum:	-1.4905159839471
Z Maximum:	20.163594912323

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	1311386.238437
Simpson's Rule:	1309554.7278149
Simpson's 3/8 Rule:	1310766.4999213

Cut & Fill Volumes

Positive Volume [Cut]:	1320485.3660679
Negative Volume [Fill]:	9101.4791168014
Net Volume [Cut-Fill]:	1311383.8869511

Areas

Planar Areas

Positive Planar Area [Cut]: 47036608.455246
Negative Planar Area [Fill]: 502991.72089464
Blanked Planar Area: 871751983.89805
Total Planar Area: 919291584.0742

Surface Areas

Positive Surface Area [Cut]: 47036620.372643
Negative Surface Area [Fill]: 502991.95337957

Grid Volume Computations
Western Section CO2 200

THESE ARE TOTALS ONLY

Upper Surface

Station	Area	Volume
1	1000000.00	1000000.00
2	1000000.00	1000000.00
3	1000000.00	1000000.00
4	1000000.00	1000000.00
5	1000000.00	1000000.00
6	1000000.00	1000000.00
7	1000000.00	1000000.00
8	1000000.00	1000000.00
9	1000000.00	1000000.00
10	1000000.00	1000000.00
11	1000000.00	1000000.00
12	1000000.00	1000000.00
13	1000000.00	1000000.00
14	1000000.00	1000000.00
15	1000000.00	1000000.00
16	1000000.00	1000000.00
17	1000000.00	1000000.00
18	1000000.00	1000000.00
19	1000000.00	1000000.00
20	1000000.00	1000000.00
21	1000000.00	1000000.00
22	1000000.00	1000000.00
23	1000000.00	1000000.00
24	1000000.00	1000000.00
25	1000000.00	1000000.00
26	1000000.00	1000000.00
27	1000000.00	1000000.00
28	1000000.00	1000000.00
29	1000000.00	1000000.00
30	1000000.00	1000000.00
31	1000000.00	1000000.00
32	1000000.00	1000000.00
33	1000000.00	1000000.00
34	1000000.00	1000000.00
35	1000000.00	1000000.00
36	1000000.00	1000000.00
37	1000000.00	1000000.00
38	1000000.00	1000000.00
39	1000000.00	1000000.00
40	1000000.00	1000000.00
41	1000000.00	1000000.00
42	1000000.00	1000000.00
43	1000000.00	1000000.00
44	1000000.00	1000000.00
45	1000000.00	1000000.00
46	1000000.00	1000000.00
47	1000000.00	1000000.00
48	1000000.00	1000000.00
49	1000000.00	1000000.00
50	1000000.00	1000000.00

Lower Surface

THESE ARE TOTALS ONLY

Volumes

Station	Area	Volume
1	1000000.00	1000000.00
2	1000000.00	1000000.00
3	1000000.00	1000000.00
4	1000000.00	1000000.00
5	1000000.00	1000000.00
6	1000000.00	1000000.00
7	1000000.00	1000000.00
8	1000000.00	1000000.00
9	1000000.00	1000000.00
10	1000000.00	1000000.00
11	1000000.00	1000000.00
12	1000000.00	1000000.00
13	1000000.00	1000000.00
14	1000000.00	1000000.00
15	1000000.00	1000000.00
16	1000000.00	1000000.00
17	1000000.00	1000000.00
18	1000000.00	1000000.00
19	1000000.00	1000000.00
20	1000000.00	1000000.00
21	1000000.00	1000000.00
22	1000000.00	1000000.00
23	1000000.00	1000000.00
24	1000000.00	1000000.00
25	1000000.00	1000000.00
26	1000000.00	1000000.00
27	1000000.00	1000000.00
28	1000000.00	1000000.00
29	1000000.00	1000000.00
30	1000000.00	1000000.00
31	1000000.00	1000000.00
32	1000000.00	1000000.00
33	1000000.00	1000000.00
34	1000000.00	1000000.00
35	1000000.00	1000000.00
36	1000000.00	1000000.00
37	1000000.00	1000000.00
38	1000000.00	1000000.00
39	1000000.00	1000000.00
40	1000000.00	1000000.00
41	1000000.00	1000000.00
42	1000000.00	1000000.00
43	1000000.00	1000000.00
44	1000000.00	1000000.00
45	1000000.00	1000000.00
46	1000000.00	1000000.00
47	1000000.00	1000000.00
48	1000000.00	1000000.00
49	1000000.00	1000000.00
50	1000000.00	1000000.00

Areas

Positive Areas

Vosburg Pike CO2 2008 - Grid Volume Computations

Fri Feb 20 15:01:44 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\VP_CO2.grd
Grid Size:	21 rows x 50 columns
X Minimum:	2348757.75
X Maximum:	2351166.22
X Spacing:	49.152448979596
Y Minimum:	1243336.25
Y Maximum:	1244351.04
Y Spacing:	50.7395000000002
Z Minimum:	0.027327776458673
Z Maximum:	1.4809742535902

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	37536.703717811
Simpson's Rule:	37401.389123498
Simpson's 3/8 Rule:	37580.993004894

Cut & Fill Volumes

Positive Volume [Cut]:	37536.703717811
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	37536.703717811

Areas

Planar Areas

Positive Planar Area [Cut]: 1759496.3182677
Negative Planar Area [Fill]: 0
Blanked Planar Area: 684594.95303258
Total Planar Area: 2444091.2713003

Surface Areas

Positive Surface Area [Cut]: 1759496.3552015
Negative Surface Area [Fill]: 0

Eastern Section CO2 2008 - Grid Volume Computations

Fri Feb 20 14:56:32 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\rightCO2.grd
Grid Size:	140 rows x 375 columns
X Minimum:	2370551.31
X Maximum:	2389166.71
X Spacing:	49.773796791444
Y Minimum:	1237547.03
Y Maximum:	1244549.3
Y Spacing:	50.376043165468
Z Minimum:	-0.073295509084999
Z Maximum:	6.711726587168

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor:	0.0929
Total Volumes by:	
Trapezoidal Rule:	725222.80461288
Simpson's Rule:	726012.89185111
Simpson's 3/8 Rule:	724236.56980068

Cut & Fill Volumes

Positive Volume [Cut]:	725261.37130733
Negative Volume [Fill]:	38.566694452776
Net Volume [Cut-Fill]:	725222.80461288

Areas

Planar Areas

Positive Planar Area [Cut]: 16448411.842518
Negative Planar Area [Fill]: 7699.8763172065
Blanked Planar Area: 113893945.23916
Total Planar Area: 130350056.958

Surface Areas

Positive Surface Area [Cut]: 16448413.306044
Negative Surface Area [Fill]: 7699.8767164545

Western Section CO2 2008 - Gridding Report

Fri Feb 20 14:39:44 2009

Elapsed time for gridding: 0.81 seconds

Data Source

Source Data File Name: P:\LaPlata\2008 Detailed Seep Mapping\Surfer\Left.txt
X Column: B
Y Column: C
Z Column: E

Data Counts

Active Data: 1127
Original Data: 1127
Excluded Data: 0
Deleted Duplicates: 0
Retained Duplicates: 0
Artificial Data: 0
Superseded Data: 0

Univariate Statistics

	X	Y	Z
Minimum:	2299800.16	1208388.36	0
25%-tile:	2305987.45	1213609.63	0.07
Median:	2315408.5	1220581.52	0.13
75%-tile:	2322981.33	1229185.36	0.25
Maximum:	2333158.02	1235946.83	21.54
Midrange:	2316479.09	1222167.595	10.77
Range:	33357.86	27558.47	21.54
Interquartile Range:	16993.88	15575.73	0.18
Median Abs. Deviation:	8598.4900000002	7413.5	0.08
Mean:	2315275.5935936	1221347.8087578	0.30436887409938
Trim Mean (10%):	2315141.4485616	1221279.8102759	0.17394088669951
Standard Deviation:	9248.8326622228	8566.4428044858	1.0624401231135
Variance:	85540905.613799	73383942.322526	1.1287790152014
Coef. of Variation:			3.4906332858681
Coef. of Skewness:			13.032428774764

Inter-Variable Correlation

	X	Y	Z
X:	1.000	0.991	-0.034
Y:		1.000	-0.035
Z:			1.000

Inter-Variable Covariance

	X	Y	Z
X:	85540905.613799	78546603.145322	-335.09727193509
Y:		73383942.322526	-317.06919051935
Z:			1.1287790152014

Planar Regression: $Z = AX + BY + C$

Fitted Parameters

	A	B	C
Parameter Value:	2.9134036790603E-006		-7.4390439911211E-006
Standard Error:	2.6135234024707E-005		2.8217127175208E-005

Inter-Parameter Correlations

	A	B	C
A:	1.000	0.991	-0.986
B:		1.000	-0.955
C:			1.000

ANOVA Table

Source	df	Sum of Squares	Mean Square	F
Regression:	2	1.5579821569038	0.7789910784519	0.68913
Residual:	1124	1270.5759679751	1.13040566654582	
Total:	1126	1272.133950132		

Coefficient of Multiple Determination (R^2): 0.0012246997706037

Nearest Neighbor Statistics

	Separation	Delta Z
Minimum:	34.252357582997	0
25%-tile:	182.68511406225	0.04
Median:	189.85777439952	0.1
75%-tile:	195.44552821712	0.21
Maximum:	446.35540379826	19.85
Midrange:	240.30388069063	9.925
Range:	412.10304621526	19.85
Interquartile Range:	12.760414154869	0.17
Median Abs. Deviation:	6.2670251771804	0.07
Mean:	185.00060825585	0.40313891755457
Trim Mean (10%):	187.85704329654	0.16454278466305
Standard Deviation:	24.300399047244	1.4940710762149
Variance:	590.50939385532	2.2322483807818
Coef. of Variation:	0.13135307649171	3.706094874883
Coef. of Skewness:	-1.6679522220323	8.4240511058939
Root Mean Square:	186.58974904557	1.5475042383234
Mean Square:	34815.73444889	2.3947693676289

Complete Spatial Randomness

Lambda:	1.2259439981004E-006
Clark and Evans:	0.40967406185823
Skellam:	302.23863374799

Exclusion Filtering

Exclusion Filter String: Not In Use

Duplicate Filtering

Duplicate Points to Keep: First
 X Duplicate Tolerance: 0.0039
 Y Duplicate Tolerance: 0.0032

No duplicate data were found.

Breakline Filtering

Breakline Filtering: Not In Use

Gridding Rules

Gridding Method: Kriging
Kriging Type: Point

Polynomial Drift Order: 0
Kriging std. deviation grid: no

Semi-Variogram Model

Component Type: Linear
Anisotropy Angle: 0
Anisotropy Ratio: 1
Variogram Slope: 1

Search Parameters

Search Ellipse Radius #1: 300
Search Ellipse Radius #2: 300
Search Ellipse Angle: 0

Number of Search Sectors: 4
Maximum Data Per Sector: 16
Maximum Empty Sectors: 3

Minimum Data: 3
Maximum Data: 64

Output Grid

Grid File Name: P:\LaPlata\2008 Detailed Seep Mapping\Surfer\LeftCO2.grd
Grid Size: 550 rows x 650 columns
Total Nodes: 357500
Filled Nodes: 19927
Blanked Nodes: 337573

Grid Geometry

X Minimum: 2299800.16
X Maximum: 2333158.02
X Spacing: 51.398859784283

Y Minimum: 1208388.36
Y Maximum: 1235946.83
Y Spacing: 50.197577413479

Grid Statistics

Z Minimum: -1.4905159839471
Z 25%-tile: 0.083769758395644
Z Median: 0.15053998550404
Z 75%-tile: 0.26506867679136
Z Maximum: 20.163594912323

Z Midrange: 9.3365394641881
Z Range: 21.65411089627
Z Interquartile Range: 0.18129891839572
Z Median Abs. Deviation: 0.079859644145246

Z Mean: 0.27469442432854
Z Trim Mean (10%): 0.1892625911297
Z Standard Deviation: 0.66240011596735
Z Variance: 0.43877391363356

Z Coef. of Variation: 2.411407212165
Z Coef. of Skewness: 11.716566874224

Z Root Mean Square: 0.71709897531007
Z Mean Square: 0.51423094039075

Vosburg Pike CO2 2008 - Grid Volume Computations

Fri Feb 20 15:01:44 2009

Upper Surface

Grid File Name:	P:\LaPlata\2008 Detailed Seep Mapping\Surfer\VP_CO2.grd
Grid Size:	21 rows x 50 columns
X Minimum:	2348757.75
X Maximum:	2351166.22
X Spacing:	49.152448979596
Y Minimum:	1243336.25
Y Maximum:	1244351.04
Y Spacing:	50.739500000002
Z Minimum:	0.027327776458673
Z Maximum:	1.4809742535902

Lower Surface

Level Surface defined by $Z = 0$

Volumes

Z Scale Factor: 0.0929

Total Volumes by:

Trapezoidal Rule:	37536.703717811
Simpson's Rule:	37401.389123498
Simpson's 3/8 Rule:	37580.993004894

Cut & Fill Volumes

Positive Volume [Cut]:	37536.703717811
Negative Volume [Fill]:	0
Net Volume [Cut-Fill]:	37536.703717811

Areas

Planar Areas

Positive Planar Area [Cut]: 1759496.3182677
 Negative Planar Area [Fill]: 0
 Blanked Planar Area: 684594.95303258
 Total Planar Area: 2444091.2713003

Surface Areas

Positive Surface Area [Cut]: 1759496.3552015
 Negative Surface Area [Fill]: 0

Eastern Section CO2 2008 - Gridding Report

Fri Feb 20 14:48:12 2009
Elapsed time for gridding: 0.22 seconds

Data Source

Source Data File Name: P:\LaPlata\2008 Detailed Seep Mapping\Surfer\right.txt
X Column: B
Y Column: C
Z Column: E

Data Counts

Active Data: 582
Original Data: 582
Excluded Data: 0
Deleted Duplicates: 0
Retained Duplicates: 0
Artificial Data: 0
Superseded Data: 0

Univariate Statistics

	X	Y	Z
Minimum:	2370551.31	1237547.03	0
25%-tile:	2373882.06	1240165.27	0.15
Median:	2377552.58	1242747.44	0.3
75%-tile:	2382765.9	1243344.84	0.54
Maximum:	2389166.71	1244549.3	7.47
Midrange:	2379859.01	1241048.165	3.735
Range:	18615.4	7002.27	7.47
Interquartile Range:	8883.8399999999	3179.5700000001	0.39
Median Abs. Deviation:	3894.8500000001	760.05000000005	0.18
Mean:	2378288.9572337	1241860.3246735	0.44298472560533
Trim Mean (10%):	2378137.9004389	1241939.2700954	0.36553435114504
Standard Deviation:	5177.7405188756	1852.5339641942	0.58709180963183
Variance:	26808996.880806	3431882.0884933	0.34467679293677
Coef. of Variation:			1.3253093745604
Coef. of Skewness:			6.2104478562642

Inter-Variable Correlation

	X	Y	Z
X:	1.000	-0.948	-0.134
Y:		1.000	0.113
Z:			1.000

Inter-Variable Covariance

	X	Y	Z
X:	26808996.880806	-9097913.0253724	-408.18477086285
Y:		3431882.0884933	122.59505089602
Z:			0.34467679293677

Planar Regression: $Z = AX + BY + C$

Fitted Parameters

	A	B	C
Parameter Value:	-3.0922556325911E-005		-4.6249006895548E-005
Standard Error:	1.4725022202844E-005		4.1155706471783E-005

Inter-Parameter Correlations

	A	B	C
A:	1.000	-0.948	-0.982
B:		1.000	0.991
C:			1.000

ANOVA Table

Source	df	Sum of Squares	Mean Square	F
Regression:	2	4.0461936345264	2.0230968172632	5.9595
Residual:	579	196.55569985468	0.3394744384364	
Total:	581	200.6018934892		

Coefficient of Multiple Determination (R^2): 0.020170266412487

Nearest Neighbor Statistics

	Separation	Delta Z
Minimum:	5.4124393763972	0
25%-tile:	79.691710986884	0.08
Median:	184.344700222	0.2
75%-tile:	192.82191784129	0.43
Maximum:	222.48722974584	7.26
Midrange:	113.94983456112	3.63
Range:	217.07479036944	7.26
Interquartile Range:	113.1302068544	0.35
Median Abs. Deviation:	12.861316927261	0.15
Mean:	147.23467029023	0.40192936374175
Trim Mean (10%):	151.42302270775	0.2893757436979
Standard Deviation:	65.143951082492	0.72462188898158
Variance:	4243.7343626382	0.52507688199123
Coef. of Variation:	0.44244980447934	1.8028587964704
Coef. of Skewness:	-0.99941196832253	5.4270276156867
Root Mean Square:	161.00243010002	0.8286278389175
Mean Square:	25921.782498111	0.68662409542908

Complete Spatial Randomness

Lambda: 4.4649002354293E-006
Clark and Evans: 0.6222286111561
Skellam: 423.23295304898

Exclusion Filtering

Exclusion Filter String: Not In Use

Duplicate Filtering

Duplicate Points to Keep: First
X Duplicate Tolerance: 0.0022
Y Duplicate Tolerance: 0.00083

No duplicate data were found.

Breakline Filtering

Breakline Filtering: Not In Use

Gridding Rules

Gridding Method: Kriging
Kriging Type: Point

Polynomial Drift Order: 0
Kriging std. deviation grid: no

Semi-Variogram Model

Component Type: Linear
Anisotropy Angle: 0
Anisotropy Ratio: 1
Variogram Slope: 1

Search Parameters

Search Ellipse Radius #1: 250
Search Ellipse Radius #2: 250
Search Ellipse Angle: 0

Number of Search Sectors: 4
Maximum Data Per Sector: 16
Maximum Empty Sectors: 3

Minimum Data: 3
Maximum Data: 64

Output Grid

Grid File Name: P:\LaPlata\2008 Detailed Seep Mapping\Surfer\rightCO2.grd
Grid Size: 140 rows x 375 columns
Total Nodes: 52500
Filled Nodes: 7220
Blanked Nodes: 45280

Grid Geometry

X Minimum: 2370551.31
X Maximum: 2389166.71
X Spacing: 49.773796791444

Y Minimum: 1237547.03
Y Maximum: 1244549.3
Y Spacing: 50.376043165468

Grid Statistics

Z Minimum: -0.073295509084999
Z 25%-tile: 0.2007713590376
Z Median: 0.33424908967218
Z 75%-tile: 0.51959081511349
Z Maximum: 6.711726587168

Z Midrange: 3.3192155390415
Z Range: 6.785022096253
Z Interquartile Range: 0.31881945607589
Z Median Abs. Deviation: 0.15147187369874

Z Mean: 0.43193666045866
Z Trim Mean (10%): 0.37626056094093
Z Standard Deviation: 0.44304027139336
Z Variance: 0.1962846820763

Z Coef. of Variation: 1.0257065721694
Z Coef. of Skewness: 5.2792184511934

Z Root Mean Square: 0.61875193795615
Z Mean Square: 0.38285396072449

Global Rules

Rule	Value
Global Mean	0.43193666045866
Global Standard Deviation	0.44304027139336
Global Variance	0.1962846820763
Global Minimum	0.0
Global Maximum	1.0
Global Range	1.0
Global Midrange	0.5
Global Interquartile Range	0.31881945607589
Global Median Absolute Deviation	0.15147187369874
Global Root Mean Square	0.61875193795615
Global Mean Square	0.38285396072449
Global Coefficient of Variation	1.0257065721694
Global Coefficient of Skewness	5.2792184511934
Global Trim Mean (10%)	0.37626056094093

Global Stats

Statistic	Value
Global Mean	0.43193666045866
Global Standard Deviation	0.44304027139336
Global Variance	0.1962846820763
Global Minimum	0.0
Global Maximum	1.0
Global Range	1.0
Global Midrange	0.5
Global Interquartile Range	0.31881945607589
Global Median Absolute Deviation	0.15147187369874
Global Root Mean Square	0.61875193795615
Global Mean Square	0.38285396072449
Global Coefficient of Variation	1.0257065721694
Global Coefficient of Skewness	5.2792184511934
Global Trim Mean (10%)	0.37626056094093

APPENDIX D
SUSPECT AREA PHOTOS





Photo 1 - Suspect Area 8, October 20, 2008.



Photo 2 - Suspect Area 8, October 20, 2008.



Photo 3 - Suspect Area 12, October 20, 2008.



Photo 4 - Suspect Area 18, October 22, 2008.



Photo 5 - Suspect Area 19, October 22, 2008.



Photo 6 - Suspect Area 20, October 22, 2008.



Photo 7 - Suspect Area 23, October 22, 2008.



Photo 8 - Suspect Area 24, October 22, 2008.



Photo 9 - Suspect Area 25, October 21, 2008.



Photo 10 - Suspect Area 26, October 21, 2008.



Photo 11 - Suspect Area 27, October 21, 2008.



Photo 12 - Suspect Area 27, October 21, 2008.



Photo 13 - Suspect Area 30, October 17, 2008.



Photo 14 - Suspect Area 30, October 17, 2008.



Photo 15 - Suspect Area 31, October 19, 2008.

APPENDIX E
SUBSURFACE SOIL GAS DATA



TABLE E-1
SUBSURFACE SOIL GAS MEASUREMENTS
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

Point ID	Methane	Oxygen	Carbon Monoxide	Hydrogen Sulfide	Date	Time	Elevation	Northing	Easting
1	0	19.8	0	0	10/17/2008	11:05:15am	7,401.203	1,238,173.471	2,417,050.793
2	0	20.2	0	0	10/17/2008	11:07:32am	7,420.163	1,238,200.643	2,417,000.417
3	0	20.2	0	0	10/17/2008	11:12:00am	7,412.344	1,238,111.463	2,416,986.733
4	0	19.8	0	0	10/17/2008	11:14:03am	7,394.285	1,238,080.726	2,417,053.847
5	0	19.8	0	0	10/17/2008	11:15:46am	7,399.053	1,238,123.690	2,417,035.250
6	0	20.5	0	0	10/19/2008	10:01:47am	7,554.346	1,238,370.760	2,415,445.563
7	0	20.6	0	0	10/19/2008	10:05:11am	7,569.229	1,238,393.149	2,415,417.326
8	0	20.4	0	0	10/19/2008	10:06:12am	7,570.251	1,238,419.476	2,415,416.086
9	0	20.4	0	0	10/19/2008	10:07:18am	7,572.825	1,238,411.222	2,415,384.162
10	0	20.6	0	0	10/19/2008	10:08:28am	7,582.003	1,238,430.182	2,415,369.115
11	0	20.7	0	0	10/19/2008	10:29:24am	7,478.920	1,238,064.454	2,417,814.707
12	0	20.7	0	0	10/19/2008	10:31:01am	7,475.070	1,238,096.447	2,417,806.797
13	0	20.4	0	0	10/19/2008	10:32:04am	7,488.858	1,238,101.410	2,417,763.820
14	0	20.6	0	0	10/19/2008	10:33:15am	7,467.368	1,238,054.004	2,417,772.322
15	0	20.7	0	0	10/19/2008	10:34:10am	7,472.397	1,238,079.079	2,417,791.017
16	0	20.4	0	0	10/19/2008	12:17:26pm	7,582.643	1,243,626.138	2,367,560.877
17	0	20.1	0	0	10/19/2008	12:22:59pm	7,575.853	1,243,689.853	2,367,762.335
18	0	20.3	0	0	10/19/2008	12:24:37pm	7,567.123	1,243,493.147	2,367,735.348
19	0	20.1	0	0	10/20/2008	10:32:43am	8,601.678	1,246,665.504	2,356,514.111
20	0	19.4	2	0	10/20/2008	10:34:30am	8,593.006	1,246,627.833	2,356,531.854
21	0	21.0	1	0	10/20/2008	10:36:06am	8,577.484	1,246,596.328	2,356,515.937
22	0	19.4	1	0	10/20/2008	10:37:48am	8,578.334	1,246,631.272	2,356,486.594
23	0	19.4	1	0	10/20/2008	10:39:25am	8,591.242	1,246,641.251	2,356,515.135
24	0	19.9	0	0	10/20/2008	12:50:25pm	8,000.470	1,242,772.899	2,346,498.206
25	0	19.9	0	0	10/20/2008	12:52:44pm	8,033.717	1,242,814.052	2,346,554.595
26	0	20.0	0	0	10/20/2008	12:54:42pm	8,069.549	1,242,874.896	2,346,580.582
27	0	20.0	0	0	10/20/2008	12:56:26pm	8,090.786	1,242,932.347	2,346,585.558
28	0	20.0	0	0	10/20/2008	12:57:52pm	8,080.292	1,242,897.491	2,346,627.696
29	0	20.0	0	0	10/20/2008	01:05:44pm	8,058.163	1,242,830.296	2,346,254.718
30	0	20.1	0	0	10/20/2008	01:07:08pm	8,114.367	1,242,872.504	2,346,144.027
31	0	20.0	0	0	10/20/2008	01:08:44pm	8,133.701	1,242,967.949	2,346,103.568
32	0	20.0	0	0	10/20/2008	01:09:57pm	8,165.713	1,243,006.149	2,346,073.314
33	0	20.1	0	0	10/20/2008	01:11:06pm	8,192.438	1,243,040.688	2,346,017.408
34	0	20.1	0	0	10/20/2008	01:42:25pm	8,362.908	1,243,762.007	2,347,849.957
35	0	20.1	0	0	10/20/2008	01:47:28pm	8,319.830	1,243,652.795	2,347,942.560
36	0	19.9	0	0	10/20/2008	01:48:48pm	8,310.935	1,243,596.535	2,347,972.198
37	0	20.0	0	0	10/20/2008	01:50:07pm	8,312.696	1,243,584.749	2,347,899.173
38	0	19.9	0	0	10/20/2008	01:51:47pm	8,314.155	1,243,624.254	2,347,981.814
39	0	20.1	0	0	10/21/2008	10:20:41am	7,754.071	1,238,467.405	2,409,108.634
40	0	20.1	1	0	10/21/2008	10:22:39am	7,752.545	1,238,487.520	2,409,162.824
41	0	20.3	0	0	10/21/2008	10:23:36am	7,736.707	1,238,451.578	2,409,169.864
42	0	20.3	0	0	10/21/2008	10:24:55am	7,747.204	1,238,437.049	2,409,108.533
43	0	20.2	0	0	10/21/2008	10:26:04am	7,758.386	1,238,466.263	2,409,129.411
44	0	19.8	0	0	10/21/2008	11:22:03am	7,900.255	1,238,578.255	2,406,960.781
45	0	19.8	0	0	10/21/2008	11:24:07am	7,909.362	1,238,607.369	2,406,951.815
46	0	19.8	0	0	10/21/2008	11:25:27am	7,912.603	1,238,599.590	2,406,911.430
47	0	19.8	0	0	10/22/2008	09:12:27am	7,816.164	1,238,375.966	2,398,244.629
48	0	19.8	0	0	10/22/2008	09:13:41am	7,802.327	1,238,301.711	2,398,172.645
49	0	19.8	0	0	10/22/2008	09:14:59am	7,809.627	1,238,322.023	2,398,263.418
50	0	19.7	0	0	10/22/2008	09:16:52am	7,831.973	1,238,281.723	2,398,355.007
51	0	19.7	0	0	10/22/2008	09:18:24am	7,820.630	1,238,356.428	2,398,427.856
52	0	20.0	0	0	10/22/2008	10:02:59am	7,695.714	1,238,097.235	2,402,796.356

TABLE E-1
SUBSURFACE SOIL GAS MEASUREMENTS
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO

Point ID	Methane	Oxygen	Carbon Monoxide	Hydrogen Sulfide	Date	Time	Elevation	Northing	Easting
53	0	20.0	0	0	10/22/2008	10:05:49am	7,695.507	1,238,137.029	2,402,846.411
54	0	19.8	0	0	10/22/2008	10:07:19am	7,697.353	1,238,125.082	2,402,815.809
55	0	19.5	0	0	10/22/2008	05:42:10pm	7,909.928	1,242,424.759	2,379,167.636
56	0	19.6	0	0	10/22/2008	05:43:21pm	7,918.276	1,242,431.121	2,379,246.500
57	0	19.5	0	0	10/22/2008	05:44:03pm	7,942.482	1,242,492.445	2,379,214.904
58	0	19.5	0	0	10/22/2008	05:45:20pm	7,967.463	1,242,528.081	2,379,258.018
59	0	19.5	0	0	10/22/2008	05:46:18pm	7,984.375	1,242,567.599	2,379,206.641
60	20	21.0	0	0	10/22/2008	06:16:07pm	7,724.633	1,241,183.301	2,380,749.339
61	0	19.5	0	0	10/22/2008	06:17:33pm	7,721.624	1,241,217.909	2,380,662.044
62	0	19.6	0	0	10/22/2008	06:18:16pm	7,711.165	1,241,180.768	2,380,648.267
63	0	19.5	0	0	10/22/2008	06:19:21pm	7,700.320	1,241,174.762	2,380,593.165
64	0	19.5	0	0	10/22/2008	06:20:28pm	7,704.610	1,241,213.538	2,380,608.460
65	0	19.4	0	0	10/22/2008	06:23:07pm	7,743.300	1,241,295.296	2,380,667.260
66	0	19.4	7	0	10/22/2008	06:23:59pm	7,739.968	1,241,348.122	2,380,652.025
67	0	19.1	1	0	10/22/2008	06:24:57pm	7,747.517	1,241,330.435	2,380,729.417
68	0	19.4	4	0	10/22/2008	06:25:53pm	7,729.868	1,241,277.705	2,380,726.939
69	0	19.3	0	0	10/22/2008	06:26:38pm	7,714.286	1,241,250.029	2,380,756.707

APPENDIX F
NATURAL SPRINGS PHOTOS





Photo 1 - Rancho Durango East Spring, June 23, 2008.



Photo 2 - Rancho Durango East Spring, June 23, 2008.



Photo 3 - Rancho Durango East Spring, June 23, 2008.



Photo 4 - Rancho Durango North Spring, June 23, 2008.



Photo 5 - Rancho Durango North Spring, June 23, 2008.



Photo 6 - Darwin Rather Spring #1, June 23, 2008.



Photo 7 - Darwin Rather Spring #1, June 23, 2008.



Photo 8 - Darwin Rather Spring #2, June 23, 2008.



Photo 9 - Darwin Rather Spring #2, June 23, 2008.



Photo 10 - Southwesterly view from Darwin Rather Spring #2, June 23, 2008.



Photo 11 - Northeasterly view from Darwin Rather Spring #2, June 23, 2008.



Photo 12 - Hoier Spring, June 23, 2008.



Photo 13 - Hoier Spring, June 23, 2008.



Photo 14 - Rancho Durango LTD Spring, October 15, 2008.



Photo 15 - Rancho Durango LTD Spring, October 15, 2008.

APPENDIX G
NATURAL SPRINGS ANALYTICAL RESULTS



L T Environmental, Inc.			Lynn M. Fechter - Four Corners Geoscience, Inc.					
17 West Mill Street			Conducted Methane analysis per protocol and method established by BLM San Juan Resource Area 1993 and USGS method.					
Bayfield, CO 81122			Samples were collected by Kyle Siesser, LTE Geologist.					
Kyle Siesser			Samples were delivered to Four Corners Geoscience and analyses were conducted on SRI FID within 24 hours of collection.					
970-764-7356			Laboratory calibration conducted same as sample run.					
Methane Analysis Report			Blanks and duplicated runs conducted for each sample set					
Project Number			MS0813					
Report Date			June 27, 2008					
Lab #	Sample Date	Sample Time(Hrs)	Site ID-Location	Lab Blank (mg/L)	CH4 (mg/L)	C2 (mg/L)	Method	Detection Limit(mg/L)
062308-1	6/23/2008	1130	Darwin Rathers Spring # 1	0.02	<0.02	ND	USGS/BLM	0.02
062308-2	6/23/2008	1205	Darwin Rathers Spring # 2	0.02	<0.02	ND	USGS/BLM	0.02
062308-3	6/23/2008	1010	Ranch Durango LTD Spring	0.02	<0.02	ND	USGS/BLM	0.02
062308-4	6/23/2008	1025	Ranch Durango North Spring	0.02	<0.02	ND	USGS/BLM	0.02
062308-5	6/23/2008	1425	Hoier Spring	0.02	<0.02	ND	USGS/BLM	0.02
December 5, 2008								
Emailed to Kyle Siesser								
No field blanks received at FCGeo Lab								
Calibration conducted previous to gas chromatograph run 6/23/2008								

Four Corners Geoscience

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

Lab Number

062308-1,2,3,4,5

Report

Due Date:

Client LTE		Fax Results Y N	Page of
Address 4600 W. 60th Ave.		PUBLIC WATER SUPPLY INFORMATION	
City, State & Zip Arvada, CO 80003		System Name	
Contact Kyle Siesser		PWS No.	Report to State/EPA Y N
Phone 970, 764, 7356	Collector's Name Kyle Siesser	POE No.	DWR No.
Fax 303 433 1432	Project Name La Plata Fruitland	Collection Point	
<i>email</i> P.O. Number KSieesser@ltenv.com	Project Number MS0813	City	County

SAMPLE TYPE CODES			S a m p l e T y p e	C o n t a i n e r s	Analyses Requested											Spl. No.
DW = drinking water	TB = travel blank	Compliance				<i>Dissolved Methane</i>										
WW = waste water	SD = solid	Monitoring														
MW = monitoring well	SO = soil	Y N														
HW = hazardous waste	SL = sludge															
TURNAROUND TIME REQUESTED																
Standard	Lab Manager Approval															
RUSH																
Special																
CLIENT'S SAMPLE ID/LOCATION	Date	Time											Spl. No.			
Darwin Ratters Spring #1	6/23/08	1130	S	3	X											1
Darwin Ratters Spring #2	6/23/08	1205	S	3	X											2
Rancho Durango LTD Spring	6/23/08	1010	S	3	X											3
Rancho Durango North Spring	6/23/08	1025	S	3	X											4
Hoier Spring	6/23/08	1425	S	3	X											5

Instructions/Comments/Special Requirements: **send invoice to manderson@ltenv.com**

S = Spring

SAMPLE RECEIPT		Date	Time	Samples Relinquished By	Samples Received By
Received Cold	Y N	6-23-08	1603	<i>[Signature]</i>	<i>[Signature]</i>
Custody Seals	Y N				
Seals Intact	Y N				
No. of Containers					

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

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



GAL ID No.: 806-136,01-05

July 8, 2008

LT Environmental
PO Box 874
Bayfield, CO 81122
Attention: Kyle Siesser

Project Name: La Plata Fruitland
Project Number:
Date Received: 06/23/08

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, and Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020.

Samples were received by Green Analytical Laboratories, Inc. in good condition on 06/23/08.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nick Fullerton', is written over a light-colored rectangular background.

Nick Fullerton
Laboratory Director

Enclosure

Green Analytical Laboratories
75 Suttle Street
Durango, CO 81303

LT Environmental
 PO Box 874
 Bayfield, CO 81122
 Attention: Kyle Siesser

GAL I.D.: 806-136-01
 Date Received: 06/23/08
 Date Reported: 07/08/08

QC Batches:

PROJECT NAME: La Plata Fruitland
PROJECT NUMBER: MS 0813
SAMPLE I.D.: Darwin Rattlers Spring #1

Sample Date: 06/23/08
 Sample Matrix: Water

Laboratory Report

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS
		LIMIT	RESULT		
Alkalinity, Total	2320B	10	212	1	mg/L
Alkalinity, Bicarbonate	2320B	10	212	1	mg/L
Alkalinity, Carbonate	2320B	10	<10	1	mg/L
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L
Calcium	200.7	0.5	65.0	1	mg/L
Chloride	4500CL	10	<10	1	mg/L
Conductivity	2510B	1.0	478	1	uS/cm
Fluoride	4500F C	0.2	<0.2	1	mg/L
Iron	200.7	0.05	<0.05	1	mg/L
Magnesium	200.7	0.5	21.4	1	mg/L
Manganese	200.8	0.0005	<0.0005	1	mg/L
Nitrate/Nitrite as N	353.3	0.02	1.72	1	mg/L
pH	150.1	NA	7.10	NA	SU
Potassium	200.7	0.5	1.3	1	mg/L
Selenium	200.8	0.001	<0.001	1	mg/L
Sodium	200.7	0.5	9.0	1	mg/L
Sulfate	4500SO4	10	39	1	mg/L
TDS	2540C	10	230	1	mg/L
Hardness	Calc	10	250	1	mg/L



Nick Fullerton, Laboratory Director

Green Analytical Laboratories
75 Suttle Street
Durango, CO 81303

LT Environmental
 PO Box 874
 Bayfield, CO 81122
 Attention: Kyle Siesser

GAL I.D.: 806-136-02

Date Received: 06/23/08

Date Reported: 07/09/08

QC Batches:

PROJECT NAME: La Plata Fruitland
PROJECT NUMBER: MS 0813
SAMPLE I.D.: Darwin Ratlers Spring #2

Sample Date: 06/23/08

Sample Matrix: Water

Laboratory Report

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS
		LIMIT	RESULT		
Alkalinity, Total	2320B	10	138	1	mg/L
Alkalinity, Bicarbonate	2320B	10	138	1	mg/L
Alkalinity, Carbonate	2320B	10	<10	1	mg/L
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L
Calcium	200.7	0.5	39.3	1	mg/L
Chloride	4500CL	10	<10	1	mg/L
Conductivity	2510B	1.0	276	1	uS/cm
Fluoride	4500F C	0.2	0.3	1	mg/L
Iron	200.7	0.05	0.10	1	mg/L
Magnesium	200.7	0.5	6.1	1	mg/L
Manganese	200.8	0.0005	0.0213	1	mg/L
Nitrate/Nitrite as N	353.3	0.02	0.58	1	mg/L
pH	150.1	NA	7.64	NA	SU
Potassium	200.7	0.5	<0.5	1	mg/L
Selenium	200.8	0.001	<0.001	1	mg/L
Sodium	200.7	0.5	13.6	1	mg/L
Sulfate	4500SO4	10	19	1	mg/L
TDS	2540C	10	130	1	mg/L
Hardness	Calc	10	123	1	mg/L



Nick Fullerton, Laboratory Director

Green Analytical Laboratories
75 Suttle Street
Durango, CO 81303

LT Environmental
 PO Box 874
 Bayfield, CO 81122
 Attention: Kyle Siesser

GAL I.D.: 806-136-03

Date Received: 06/23/08

Date Reported: 07/08/08

QC Batches:

PROJECT NAME: La Plata Fruitland
PROJECT NUMBER: MS 0813
SAMPLE I.D.: Rancho Durango LTD

Sample Date: 06/23/08

Sample Matrix: Water

Laboratory Report

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS
		LIMIT	RESULT		
Alkalinity, Total	2320B	10	252	1	mg/L
Alkalinity, Bicarbonate	2320B	10	252	1	mg/L
Alkalinity, Carbonate	2320B	10	<10	1	mg/L
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L
Calcium	200.7	0.5	79.5	1	mg/L
Chloride	4500CL	10	<10	1	mg/L
Conductivity	2510B	1.0	550	1	uS/cm
Fluoride	4500F C	0.2	0.3	1	mg/L
Iron	200.7	0.05	<0.05	1	mg/L
Magnesium	200.7	0.5	20.1	1	mg/L
Manganese	200.8	0.0005	0.0117	1	mg/L
Nitrate/Nitrite as N	353.3	0.02	0.23	1	mg/L
pH	150.1	NA	7.21	NA	SU
Potassium	200.7	0.5	0.9	1	mg/L
Selenium	200.8	0.001	0.001	1	mg/L
Sodium	200.7	0.5	16.7	1	mg/L
Sulfate	4500SO4	10	69	1	mg/L
TDS	2540C	10	305	1	mg/L
Hardness	Calc	10	281	1	mg/L



Nick Fullerton, Laboratory Director

Green Analytical Laboratories
75 Suttle Street
Durango, CO 81303

LT Environmental
 PO Box 874
 Bayfield, CO 81122
 Attention: Kyle Siesser

GAL I.D.: 806-136-04

Date Received: 06/23/08

Date Reported: 07/08/08

QC Batches:

PROJECT NAME: La Plata Fruitland
PROJECT NUMBER: MS 0813
SAMPLE I.D.: Rancho Durango North

Sample Date: 06/23/08

Sample Matrix: Water

Laboratory Report

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS
		LIMIT	RESULT		
Alkalinity, Total	2320B	10	332	1	mg/L
Alkalinity, Bicarbonate	2320B	10	332	1	mg/L
Alkalinity, Carbonate	2320B	10	<10	1	mg/L
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L
Calcium	200.7	0.5	108	1	mg/L
Chloride	4500CL	10	<10	1	mg/L
Conductivity	2510B	1.0	740	1	uS/cm
Fluoride	4500F C	0.2	0.3	1	mg/L
Iron	200.7	0.05	0.06	1	mg/L
Magnesium	200.7	0.5	31.9	1	mg/L
Manganese	200.8	0.0005	0.0559	1	mg/L
Nitrate/Nitrite as N	353.3	0.02	0.03	1	mg/L
pH	150.1	NA	7.60	NA	SU
Potassium	200.7	0.5	2.0	1	mg/L
Selenium	200.8	0.001	0.002	1	mg/L
Sodium	200.7	0.5	14.5	1	mg/L
Sulfate	4500SO4	10	122	1	mg/L
TDS	2540C	10	460	1	mg/L
Hardness	Calc	10	401	1	mg/L



Nick Fullerton, Laboratory Director

Green Analytical Laboratories
75 Suttle Street
Durango, CO 81303

LT Environmental
 PO Box 874
 Bayfield, CO 81122
 Attention: Kyle Siesser

GAL I.D.: 806-136-05

Date Received: 06/23/08

Date Reported: 07/08/08

QC Batches:

PROJECT NAME: La Plata Fruitland

PROJECT NUMBER: MS 0813

SAMPLE I.D.: Hoier Spring

Sample Date: 06/23/08

Sample Matrix: Water

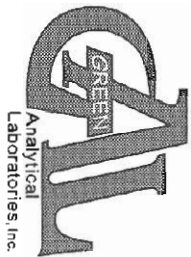
Laboratory Report

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS
		LIMIT	RESULT		
Alkalinity, Total	2320B	10	146	1	mg/L
Alkalinity, Bicarbonate	2320B	10	144	1	mg/L
Alkalinity, Carbonate	2320B	10	<10	1	mg/L
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L
Calcium	200.7	0.5	25.8	1	mg/L
Chloride	4500CL	10	<10	1	mg/L
Conductivity	2510B	1.0	258	1	uS/cm
Fluoride	4500F C	0.2	<0.2	1	mg/L
Iron	200.7	0.05	0.71	1	mg/L
Magnesium	200.7	0.5	12.4	1	mg/L
Manganese	200.8	0.0005	0.0068	1	mg/L
Nitrate/Nitrite as N	353.3	0.02	0.09	1	mg/L
pH	150.1	NA	8.16	NA	SU
Potassium	200.7	0.5	1.3	1	mg/L
Selenium	200.8	0.001	<0.001	1	mg/L
Sodium	200.7	0.5	13.9	1	mg/L
Sulfate	4500SO4	10	<10	1	mg/L
TDS	2540C	10	105	1	mg/L
Hardness	Calc	10	115	1	mg/L



Nick Fullerton, Laboratory Director



CHAIN OF CUSTODY RECORD

Page ____ of ____

Client: LTE

Contact: Kyle Siesser

Address: 15 W. Mill St. Fort Collins, CO 80504

Bayfield, CO 81122

Phone Number: 970.764.7356

FAX Number: 303.433.1432

NOTES:

1) Ensure proper container packaging.

2) Ship samples promptly following collection.

3) Designate Sample Reject Disposition.

PO# M50813

Project Name: La Plata Frontland

Table 1. - Matrix Type

- 1 = Surface Water, 2 = Ground Water
- 3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
- 6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB #

806-136

Samplers Signature: [Signature]

Lab Name: Green Analytical Laboratories, Inc.

(970) 247-4220 FAX (970) 247-4227

Address: 75 Suttle Street, Durango, CO 81303

Sample ID	Collection		Collected by: (Init.)	Miscellaneous			Preservative(s)				Analyses Required	Comments	
	Date	Time		Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4			NAOH
1. Duran Kellers Spring #1	6/23/08	1130	TL	1	3	N	✓		✓			X	Attached
2. Duran Kellers Spring #2	6/23/08	1205	TL	1	3	N	✓		✓			X	
3. Rancho Durango LTD	6/23/08	1010	TL	1	3	N	✓		✓			X	
4. Rancho Durango North	6/23/08	1025	TL	1	3	N	✓		✓			X	
5. Hoier Spring	6/23/08	1425	TL	1	3	N	✓		✓			X	
6.													
7.													
8.													
9.													
10.													

* Sample Reject: Return Dispose Store (30 Days)

Methane Analysis Report

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

Client

L T Environmental, Inc.
15 West Mill Street
Bayfield, CO 81122
Mark Yalom
970-884-5215

Project Name: La Plata Spring Sampling
Project Number: MSO813
Report Date: 10/22/2008
Sampled By: Lindsay Voss

FCGeo #	Sample Date	Sample Time (Hrs)	Site ID-Location	Analysis:	Results:		
				Brant Landers	CH4 (mg/L)	Limit (mg/L)	C2
101508-LB1	10/15/2008	11:15	Ranch Durango East		<0.02	0.02	ND
101508-LB2	10/15/2008	11:30	Ranch Durango North		<0.02	0.02	ND
101508-LB3	10/15/2008	12:10	Ranch Durango LTD		<0.02	0.02	ND
101508-LB4	10/15/2008	14:15	Darwin Rather #1		<0.02	0.02	ND
101508-LB5	10/15/2008	15:00	Darwin Rather #2		<0.02	0.02	ND
101508-LB6	10/15/2008	17:00	Hoier Spring		<0.02	0.02	ND

Notes:

Samples delivered to FCGeo 12:00 p.m. 10/17/08

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- Non Detected

Lynn M. Fechter, B.S. Geology

Four Corners Geoscience

28 Trilobite Trail 54 Wassinger Drive
 Oxford, CO Bayfield, CO 81122
 Mailing Address: P.O. Box 4224 • Durango, CO 81302
 (970) 247-5046

Lab Number
 10-1608-LB 1,2,3,4,5,6
 Report
 Due Date:

Client LT Environmental		Fax Results Y N	Page 1 of 1
Address 15 W. Mill St		PUBLIC WATER SUPPLY INFORMATION	
City, State & Zip Bayfield, CO 81122		System Name	
Contact Mark Valum (myalum@LTENV.com)	PWS No.	Report to State/EPA Y N	
Phone 970-884-5215	Collector's Name Lindsay Voss	POE No.	DWR No.
Fax	Project Name La Plata Springs Sampling	Collection Point	
P.O. Number M50813	Project Number M50813	City	County

SAMPLE TYPE CODES			S a m p l e T y p e	C o n t a i n e r s	Analyses Requested											Spl. No.		
DW = drinking water	TB = travel blank	Compliance																
WW = waste water	SD = solid	Monitoring																
MW = monitoring well	SO = soil	Y N																
HW = hazardous waste	SL = sludge																	
TURNAROUND TIME REQUESTED																		
Standard	Lab Manager Approval																	
RUSH																		
Special																		
CLIENT'S SAMPLE ID/LOCATION	Date	Time																
Ranch Durango East	10-15	1115	SW	3	X													1
Ranch Durango North		1130			X													2
Ranch Durango LTD		1210			X													3
Darwin Rather #1		1415			X													4
Darwin Rather #2		1500			X													5
Hoier Spring		1700			X													6

Instructions/Comments/Special Requirements: *Note VBA's Not Inverted, & Me'd > 24 hrs from samplers*

SAMPLE RECEIPT		Date	Time	Samples Relinquished By	Samples Received By
Received Cold	<input checked="" type="radio"/> Y <input type="radio"/> N	10/17/08	1200	<i>[Signature]</i>	<i>[Signature]</i> 10/17/08
Custody Seals	<input checked="" type="radio"/> Y <input type="radio"/> N				<i>rec'd at Lab</i>
Seals Intact	<input checked="" type="radio"/> Y <input type="radio"/> N				
No. of Containers					

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

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



GAL ID No.: 810-079,01-06

November 3, 2008

LT Environmental
PO Box 874
Bayfield, CO 81122
Attention: Marc Yalom

Project Name: La Plata Spring Sampling
Project Number:
Date Received: 10/16/08

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, and Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020.

Samples were received by Green Analytical Laboratories in good condition on 10/16/08.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink that reads 'Debbie Zufelt'.

Debbie Zufelt
Laboratory Manager

Enclosure

Green Analytical Laboratories
75 Suttle Street
Durango, CO 81303

LT Environmental
 PO Box 874
 Bayfield, CO 81122
 Attention: Marc Yalom

GAL I.D.: 810-079-01
 Date Received: 10/16/08
 Date Reported: 11/03/08

QC Batches:

PROJECT NAME: La Plata Spring Sampling
PROJECT NUMBER:
SAMPLE I.D.: Ranch Durango East

Sample Date: 10/15/08
 Sample Matrix: Water

Laboratory Report

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	Maximum Contamination Level
		LIMIT	RESULT			
Alkalinity, Total	2320B	10	210	1	mg/L	
Alkalinity, Bicarbonate	2320B	10	206	1	mg/L	
Alkalinity, Carbonate	2320B	10	<10	1	mg/L	
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L	
Bromide	4500 Br	0.10	<0.10	1	mg/L	
Calcium	200.7	0.5	60.5	1	mg/L	
Chloride	4500CL	10	<10	1	mg/L	
Conductivity	2510B	1.0	495	1	uS/cm	
Fluoride	4500F C	0.2	0.3	1	mg/L	4.0
H2 S	Calc.	0.05	<0.05	1	mg/L	
Iron	200.7	0.05	<0.05	1	mg/L	
Magnesium	200.7	0.5	12.9	1	mg/L	
Manganese	200.8	0.0005	0.0245	1	mg/L	
Nitrate/Nitrite as N	353.3	0.02	<0.02	1	mg/L	
pH	150.1	NA	7.68	NA	SU	
Potassium	200.7	0.5	0.7	1	mg/L	
Selenium	200.8	0.001	<0.001	1	mg/L	0.05
Sodium	200.7	0.5	14.8	1	mg/L	
Sulfate	4500SO4	10	42	1	mg/L	
Sulfide	4500S_	0.05	<0.05	1	mg/L	
TDS	2540C	10	250	1	mg/L	
Hardness	Calc	10	204	1	mg/L	
CAB	Calc		3.43		%	

Green Analytical Laboratories
75 Suttle Street
Durango, CO 81303

LT Environmental
 PO Box 874
 Bayfield, CO 81122
 Attention: Marc Yalom

GAL I.D.: 810-079-02

Date Received: 10/16/08

Date Reported: 11/03/08

QC Batches:

PROJECT NAME: La Plata Spring Sampling

PROJECT NUMBER:

SAMPLE I.D.: Ranch Durango North

Sample Date: 10/15/08

Sample Matrix: Water

Laboratory Report

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	Maximum Contamination Level
		LIMIT	RESULT			
Alkalinity, Total	2320B	10	276	1	mg/L	
Alkalinity, Bicarbonate	2320B	10	276	1	mg/L	
Alkalinity, Carbonate	2320B	10	<10	1	mg/L	
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L	
Bromide	4500 Br	0.10	<0.10	1	mg/L	
Calcium	200.7	0.5	77.1	1	mg/L	
Chloride	4500CL	10	<10	1	mg/L	
Conductivity	2510B	1.0	670	1	uS/cm	
Fluoride	4500F C	0.2	0.3	1	mg/L	4.0
H2 S	Calc.	0.05	<0.05	1	mg/L	
Iron	200.7	0.05	<0.05	1	mg/L	
Magnesium	200.7	0.5	22.0	1	mg/L	
Manganese	200.8	0.0005	0.0017	1	mg/L	
Nitrate/Nitrite as N	353.3	0.02	<0.02	1	mg/L	
pH	150.1	NA	7.22	NA	SU	
Potassium	200.7	0.5	1.1	1	mg/L	
Selenium	200.8	0.001	<0.001	1	mg/L	0.05
Sodium	200.7	0.5	13.7	1	mg/L	
Sulfate	4500SO4	10	79	1	mg/L	
Sulfide	4500S_	0.05	<0.05	1	mg/L	
TDS	2540C	10	355	1	mg/L	
Hardness	Calc	10	283	1	mg/L	
CAB	Calc		0.10		%	

Green Analytical Laboratories
75 Suttle Street
Durango, CO 81303

LT Environmental
 PO Box 874
 Bayfield, CO 81122
 Attention: Marc Yalom

GAL I.D.: 810-079-03

Date Received: 10/16/08

Date Reported: 11/03/08

QC Batches:

PROJECT NAME: La Plata Spring Sampling

PROJECT NUMBER:

SAMPLE I.D.: Ranch Durango LTD

Sample Date: 10/15/08

Sample Matrix: Water

Laboratory Report

RESULTS

PARAMETER	METHOD	REPORT			DIL	UNITS	Maximum Contamination Level
		LIMIT	RESULT				
Alkalinity, Total	2320B	10	252	1	mg/L		
Alkalinity, Bicarbonate	2320B	10	252	1	mg/L		
Alkalinity, Carbonate	2320B	10	<10	1	mg/L		
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L		
Bromide	4500 Br	0.10	<0.10	1	mg/L		
Calcium	200.7	0.5	69.7	1	mg/L		
Chloride	4500CL	10	<10	1	mg/L		
Conductivity	2510B	1.0	605	1	uS/cm		
Fluoride	4500F C	0.2	0.3	1	mg/L	4.0	
H2 S	Calc.	0.05	<0.05	1	mg/L		
Iron	200.7	0.05	<0.05	1	mg/L		
Magnesium	200.7	0.5	17.5	1	mg/L		
Manganese	200.8	0.0005	0.0226	1	mg/L		
Nitrate/Nitrite as N	353.3	0.02	0.20	1	mg/L		
pH	150.1	NA	7.63	NA	SU		
Potassium	200.7	0.5	1.0	1	mg/L		
Selenium	200.8	0.001	0.001	1	mg/L	0.05	
Sodium	200.7	0.5	14.9	1	mg/L		
Sulfate	4500SO4	10	71	1	mg/L		
Sulfide	4500S_	0.05	<0.05	1	mg/L		
TDS	2540C	10	300	1	mg/L		
Hardness	Calc	10	246	1	mg/L		
CAB	Calc		1.06		%		

Green Analytical Laboratories
75 Suttle Street
Durango, CO 81303

LT Environmental
 PO Box 874
 Bayfield, CO 81122
 Attention: Marc Yalom

GAL I.D.: 810-079-04

Date Received: 10/16/08

Date Reported: 11/03/08

QC Batches:

PROJECT NAME: La Plata Spring Sampling

PROJECT NUMBER:

SAMPLE I.D.: Darwin Rather #1

Sample Date: 10/15/08

Sample Matrix: Water

Laboratory Report

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	Maximum Contamination Level
		LIMIT	RESULT			
Alkalinity, Total	2320B	10	208	1	mg/L	
Alkalinity, Bicarbonate	2320B	10	208	1	mg/L	
Alkalinity, Carbonate	2320B	10	<10	1	mg/L	
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L	
Bromide	4500 Br	0.10	<0.10	1	mg/L	
Calcium	200.7	0.5	56.7	1	mg/L	
Chloride	4500CL	10	11	1	mg/L	
Conductivity	2510B	1.0	512	1	uS/cm	
Fluoride	4500F C	0.2	<0.2	1	mg/L	4.0
H2 S	Calc.	0.05	<0.05	1	mg/L	
Iron	200.7	0.05	<0.05	1	mg/L	
Magnesium	200.7	0.5	18.6	1	mg/L	
Manganese	200.8	0.0005	0.0006	1	mg/L	
Nitrate/Nitrite as N	353.3	0.02	1.87	1	mg/L	
pH	150.1	NA	7.06	NA	SU	
Potassium	200.7	0.5	0.9	1	mg/L	
Selenium	200.8	0.001	<0.001	1	mg/L	0.05
Sodium	200.7	0.5	7.5	1	mg/L	
Sulfate	4500SO4	10	34	1	mg/L	
Sulfide	4500S_	0.05	<0.05	1	mg/L	
TDS	2540C	10	230	1	mg/L	
Hardness	Calc	10	218	1	mg/L	
CAB	Calc		2.75		%	

Green Analytical Laboratories
75 Suttle Street
Durango, CO 81303

LT Environmental
 PO Box 874
 Bayfield, CO 81122
 Attention: Marc Yalom

GAL I.D.: 810-079-05

Date Received: 10/16/08

Date Reported: 11/03/08

QC Batches:

PROJECT NAME: La Plata Spring Sampling

PROJECT NUMBER:

SAMPLE I.D.: Darwin Rather #2

Sample Date: 10/15/08

Sample Matrix: Water

Laboratory Report

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	Maximum Contamination Level
		LIMIT	RESULT			
Alkalinity, Total	2320B	10	133	1	mg/L	
Alkalinity, Bicarbonate	2320B	10	133	1	mg/L	
Alkalinity, Carbonate	2320B	10	<10	1	mg/L	
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L	
Bromide	4500 Br	0.10	<0.10	1	mg/L	
Calcium	200.7	0.5	33.7	1	mg/L	
Chloride	4500CL	10	<10	1	mg/L	
Conductivity	2510B	1.0	314	1	uS/cm	
Fluoride	4500F C	0.2	<0.2	1	mg/L	4.0
H2 S	Calc.	0.05	<0.05	1	mg/L	
Iron	200.7	0.05	0.65	1	mg/L	
Magnesium	200.7	0.5	6.6	1	mg/L	
Manganese	200.8	0.0005	0.197	1	mg/L	
Nitrate/Nitrite as N	353.3	0.02	<0.02	1	mg/L	
pH	150.1	NA	7.20	NA	SU	
Potassium	200.7	0.5	0.5	1	mg/L	
Selenium	200.8	0.001	<0.001	1	mg/L	0.05
Sodium	200.7	0.5	10.9	1	mg/L	
Sulfate	4500SO4	10	16	1	mg/L	
Sulfide	4500S_	0.05	<0.05	1	mg/L	
TDS	2540C	10	170	1	mg/L	
Hardness	Calc	10	111	1	mg/L	
CAB	Calc		2.58		%	

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GAL I.D.: 810-079-06
Date Received: 10/16/08
Date Reported: 11/03/08

QC Batches:

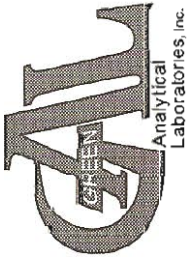
PROJECT NAME: La Plata Spring Sampling
PROJECT NUMBER:
SAMPLE I.D.: Hoier Spring

Sample Date: 10/15/08
Sample Matrix: Water

Laboratory Report

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	Maximum Contamination Level
		LIMIT	RESULT			
Alkalinity, Total	2320B	10	142	1	mg/L	
Alkalinity, Bicarbonate	2320B	10	138	1	mg/L	
Alkalinity, Carbonate	2320B	10	<10	1	mg/L	
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L	
Bromide	4500 Br	0.10	<0.10	1	mg/L	
Calcium	200.7	0.5	23.7	1	mg/L	
Chloride	4500CL	10	<10	1	mg/L	
Conductivity	2510B	1.0	278	1	uS/cm	
Fluoride	4500F C	0.2	<0.2	1	mg/L	4.0
H2 S	Calc.	0.05	<0.05	1	mg/L	
Iron	200.7	0.05	0.11	1	mg/L	
Magnesium	200.7	0.5	11.8	1	mg/L	
Manganese	200.8	0.0005	0.0178	1	mg/L	
Nitrate/Nitrite as N	353.3	0.02	0.03	1	mg/L	
pH	150.1	NA	8.30	NA	SU	
Potassium	200.7	0.5	1.4	1	mg/L	
Selenium	200.8	0.001	<0.001	1	mg/L	0.05
Sodium	200.7	0.5	13.7	1	mg/L	
Sulfate	4500SO4	10	<10	1	mg/L	
Sulfide	4500S_	0.05	<0.05	1	mg/L	
TDS	2540C	10	135	1	mg/L	
Hardness	Calc	10	108	1	mg/L	
CAB	Calc		5.87		%	



CHAIN OF CUSTODY RECORD

Client: LT Environmental
 Contact: John Peterson
 Address: 4600 W 60th Ave
Arvada, CO 80003
 Phone Number: 303-433-9788
 FAX Number: 303-433-1432

NOTES:

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

Table 1. - Matrix Type

1 = Surface Water, 2 = Ground Water
 3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
 6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY
 GAL JOB #
810-079.01-06

Project Name: La Plata Spring
Sampling

Samplers Signature: _____

Sample ID	Collection		Miscellaneous				Preservative(s)					Comments			
	Date	Time	Collected by: (Int.)	Matrix Type	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH		Other (Specify)		
1. Ranch Durango East	10/15/08	1115	LEV	1	5	N	3			1	1		X Gas mV X + Bromide X + Sulfide	per	
2. Ranch Durango North		1130	LEV	1											
3. Ranch Durango LTD		1210	LEV	1											
4. Darwin Ranch #1		1415	LEV	1											
5. Darwin Ranch #2		1500	LEV	1											
6. Hoier Spring		1700	LEV	1											
7.															
8.															
9.															
10.															

Relinquished by: [Signature] Date: 10-16-08 Time: 0733
 Relinquished by: _____ Date: _____ Time: _____

Received by: D. Delia Zupfeldt Date: 10-16-08 Time: 0733
 Received by: _____ Date: _____ Time: _____

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