



June 13, 2014

Mr. Mike Clark
Petrox Resources, Inc.
39868 Highway 13
Meeker, Colorado 81641

Mr. James Clark
Elm Ridge Resources, Inc.
12225 Greenville Avenue, Suite 950
Dallas, Texas 75243

**RE: Supplemental 2013 Fruitland Outcrop Monitoring
Fourth Quarterly Abandoned Coal Mine Surveys
Archuleta County, Colorado**

Dear Mr. Clark and Mr. Clark:

LT Environmental, Inc. (LTE) was retained by Petrox Resources, Inc. (Petrox) and Elm Ridge Resources, Inc. (Elm Ridge) to conduct quarterly monitoring of abandoned coal mines along the Fruitland (Kf) outcrop as a supplement to the 2013 Fruitland Outcrop Monitoring program, which is conducted annually.

Abandoned coal mine surveys have been developed based on the monitoring framework outlined by the United States Forest Service (USFS) and the Bureau of Land Management (BLM) in Decision Point 5 of the Record of Decision (ROD) in order to obtain approval for an application for permit to drill (APD) for coalbed methane (CBM) production of federal minerals in the Project Area (Figure 1). The ROD was developed in response to the 2006 Final Environmental Impact Statement (FEIS) for the northern San Juan Basin (NSJB). Abandoned coal mine surveys have been conducted on an annual basis since 2011. During the second Technical Working Group (TWG) meeting, held on December 17, 2012, Petrox agreed to conduct four consecutive quarters of abandoned coal mine surveys of accessible mines along the Kf outcrop within Archuleta County. The first quarterly survey was conducted in July 2013. The second quarterly survey was conducted from November 11 through November 15, 2013. The third quarterly survey was conducted from February 18 through February 24, 2014. The fourth quarterly survey, summarized in this letter report, was conducted from May 23 through May 30, 2014.

OBJECTIVE AND SCOPE OF WORK

The objective of surveying the abandoned coal mines along the Kf outcrop is to monitor mines as a potential preferential pathway for methane seepage and/or locations of surface and/or near-surface coal fires.

The scope of work for the fourth quarterly abandoned coal mine surveys included the following tasks:

- Task 1: Project setup;
- Task 2: Conduct abandoned coal mine surveys at accessible mines; and
- Task 3: Prepare this report.

PROPERTY ACCESS

Prior to conducting field activities, land information was obtained from the Archuleta County Assessor's office in the spring of 2013. Parcel data is cross-referenced with the Kf outcrop geometry to identify owners of parcels located on the Kf outcrop. Much of the outcrop land is federal land with unrestricted access. An attempt to contact private landowners along the Kf outcrop in the Project Area is made prior to the initiation of field activities.

LTE personnel were denied access to several properties; as a result, no survey activities were conducted on these properties during the 2013-2014 survey events. A list of these properties was included in the 2013 Outcrop Zone Report, dated October 2013.

ABANDONED COAL MINE SURVEY METHOD

Field personnel identify each mine entrance and collect subsurface soil gas measurements on 50-foot grid spacing. Mapping covers a 500-foot radius around the mine entrance.

The monitoring is conducted using traditional subsurface soil gas techniques which include a rod, slide hammer, plastic tubing perforated at depth, and a multi-gas field meter as described below. A Global Positioning System (GPS) is used to map survey points and record field measurements.

LTE personnel use a GEM[®] 2000 multi-gas meter to measure the concentrations of methane, carbon monoxide; hydrogen sulfide, carbon dioxide, and oxygen in the subsurface soil (see Attachment 1 for specifications for the multi-gas meter). Subsurface soil gas measurements are 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 is limited. Where probe refusal occurred, measurements are taken at the depth bored.

The rod is removed from the ground and ¼-inch diameter polyethylene tubing is inserted into the borehole. The tubing is perforated at the bottom 6 inches to allow soil gas to enter the tubing. Once the temporary tubing is in place and the borehole is sealed with native soil, personnel attach the multi-gas meter to the tubing. The multi-gas meter's internal pump pulls gas from the soil, through the tubing, and into the meter's gas sensors.

Maximum concentrations of methane, carbon monoxide, hydrogen sulfide, and carbon dioxide and the minimum concentration of oxygen are recorded at each sampling location. Data are recorded on the GPS unit.

If methane or carbon monoxide is detected at the edge of the mapping area, additional grid points are mapped to delineate the extent of methane/carbon monoxide seepage.

In addition to subsurface soil gas measurements, field personnel collect near-surface ground temperature readings utilizing a thermometer probe, which is inserted into the temporary probe holes to collect subsurface temperature readings.

GLOBAL POSITIONING SYSTEM DATA MANAGEMENT

Each sample location is recorded using a GPS unit. Soil gas sampling grids are created in ArcView® and pre-loaded into the GPS unit so field personnel can quickly and accurately position detection equipment along the project area. Soil gas measurements and other relevant field data are then stored as attributes in the GPS unit along with the associated location data. The data stored in the GPS unit are downloaded for processing and reporting.

The GPS unit location data are collected in the World Geodetic System 1984 (WGS 84) and projected in Colorado State Plane South (feet), North American Datum 1983 (NAD 83) for use in an ArcView® project file. On average, 25 GPS log positions are collected for each point in order to obtain more accurate positioning.

Readings collected with the GPS unit can be located within 1-meter accuracy; however, the terrain along the Kf outcrop can adversely affect 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, field personnel noted measurement data on their field reference maps. Specifications of the GPS unit are included in Attachment 1.

ABANDONED COAL MINE SURVEY RESULTS

In 2011, LTE identified seven abandoned coal mines along the Kf outcrop. The seven identified abandoned coal mines along the Kf outcrop in Archuleta County are:

- Triple S Mine;
- Columbine Mine;
- Chimney Rock Mine;
- Stollsteimer Creek Site;
- Chimney Rock Coal;
- Cabezon Project; and
- Unnamed Abandoned Mine.

Due to continued property access denial, the Unnamed Abandoned Mine, Cabezon Project mine, and Chimney Rock Coal mine were not surveyed during the first, second, third, or fourth

quarterly monitoring events. Below is a summary of the recent subsurface soil gas surveys for the four monitored abandoned coal mines along the Kf outcrop where access was granted. Figures 2 through 25 illustrate subsurface soil gas and temperature measurements. Subsurface soil gas and temperature measurements are presented in Attachment 2.

Methane was not detected at any of the four monitored abandoned coal mines. Limited carbon monoxide was detected at the Columbine Mine at a concentration of 2.0 parts per million (ppm). Shallow subsurface temperatures were all within normal range for this time of year. These results are comparable to those from the first, second, and third quarterly surveys conducted in July 2013, November 2013, and February 2014 as well as previous annual surveys conducted in 2011 and 2012.

Low concentrations of methane at only one abandoned coal mine appears to indicate there is not an active methane seep at any of the four monitored abandoned coal mines at this time. As additional verification, LTE did not observe any stressed or dead vegetation within the survey radius of each of the four monitored abandoned coal mines, which might indicate the presence of methane in the subsurface that could affect the health of vegetation.

Carbon monoxide is a by-product of coal combustion. Based on the presence of limited carbon monoxide and low subsurface temperatures, there does not appear to be active combustion/fires in the vicinity of these four monitored abandoned coal mines. As additional verification, LTE did not observe other potential indicators of underground coal fires such as dead vegetation, charred ground, anomalous absence of snow, or visible smoke or steam during these surveys.

RECOMMENDATION

Based on the results of the four quarterly surveys and previous two annual surveys, LTE recommends reducing abandoned coal mine surveys to the original annual survey frequency.



LTE appreciates the opportunity to provide environmental services to Petrox and Elm Ridge. If you have any questions regarding this report or would like additional information, please contact us at (303) 433-9788

Sincerely,

LT ENVIRONMENTAL, INC.

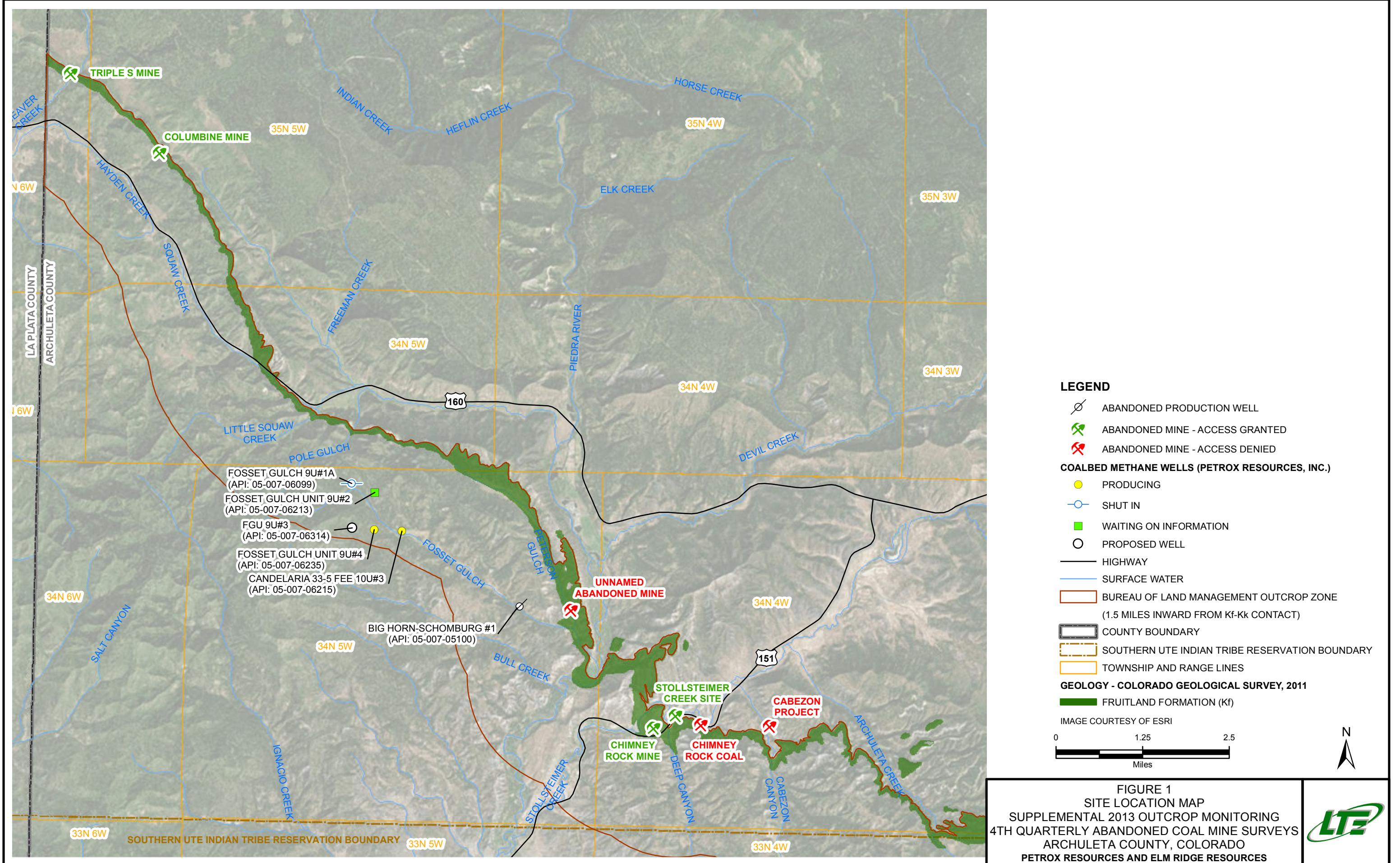
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Project Manager

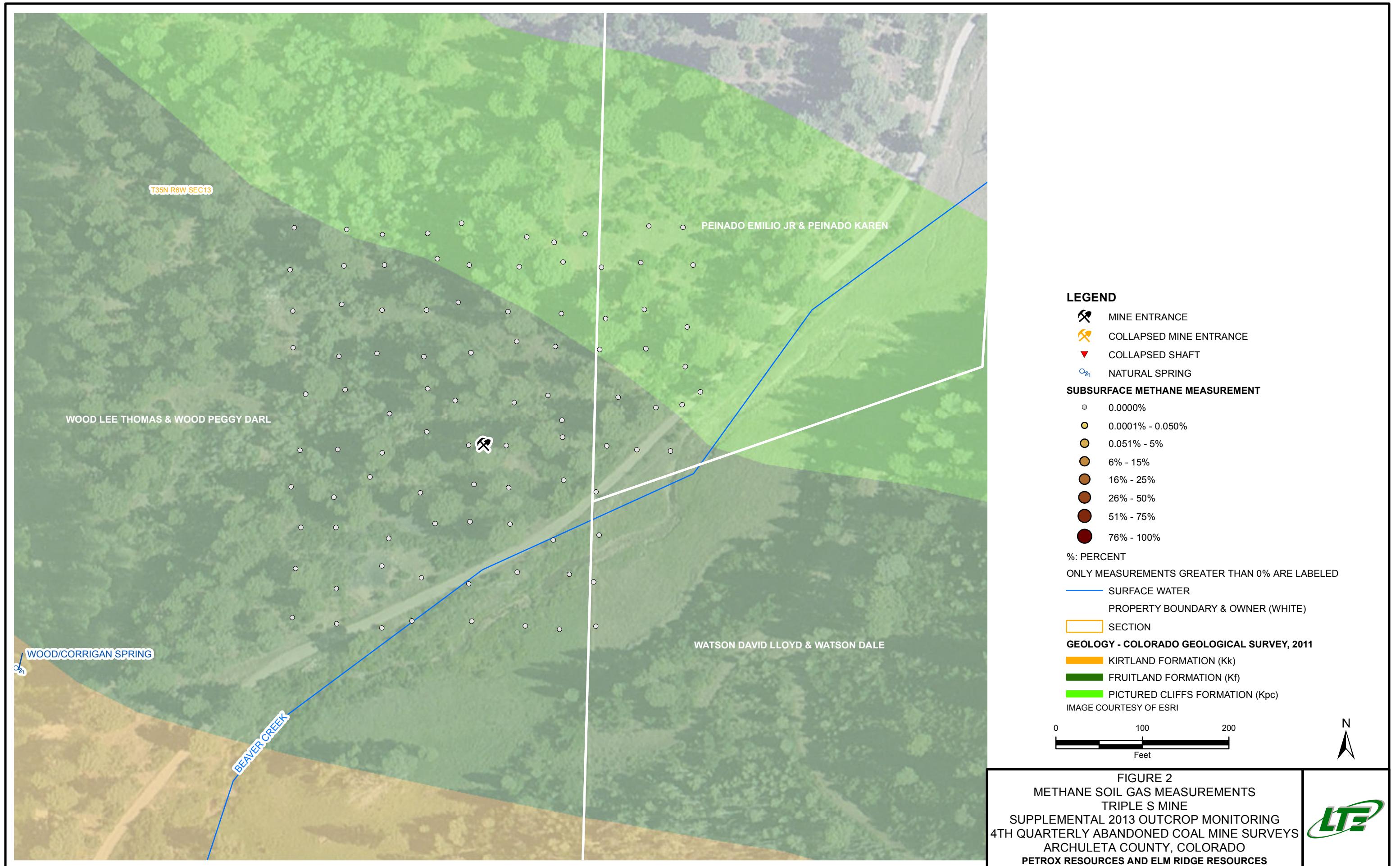
John D. Peterson, P.G.
Executive Vice President

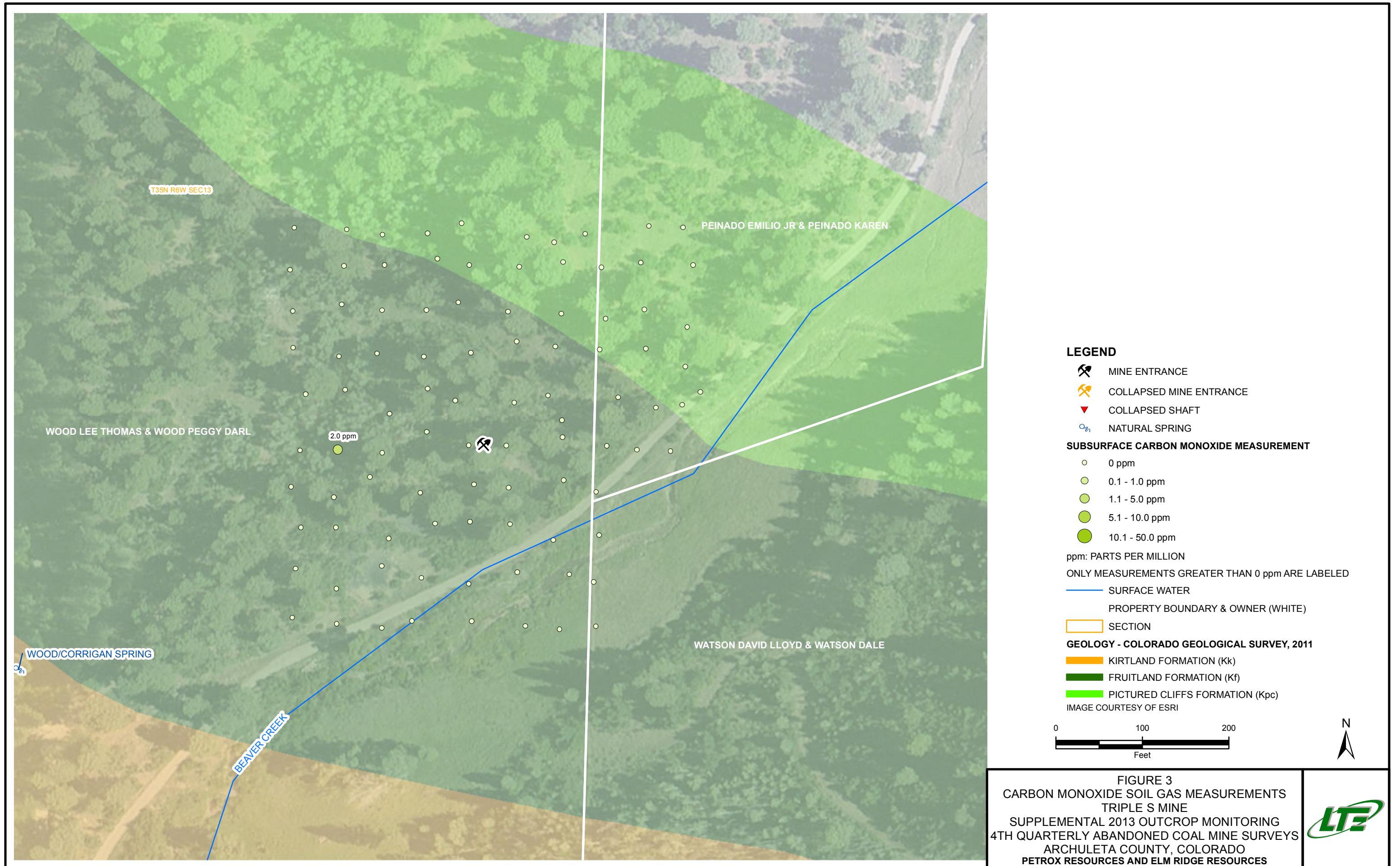
cc: Walt Brown – USFS
John Pecor – BLM
Pam Leschak – BLM
Karen Spray – Southern Ute Indian Tribe (SUIT)
Ivan Geroy – USFS
Alex Fischer – COGCC
Jim Hughes – COGCC
Mark Weems – COGCC
William Dodd – BLM

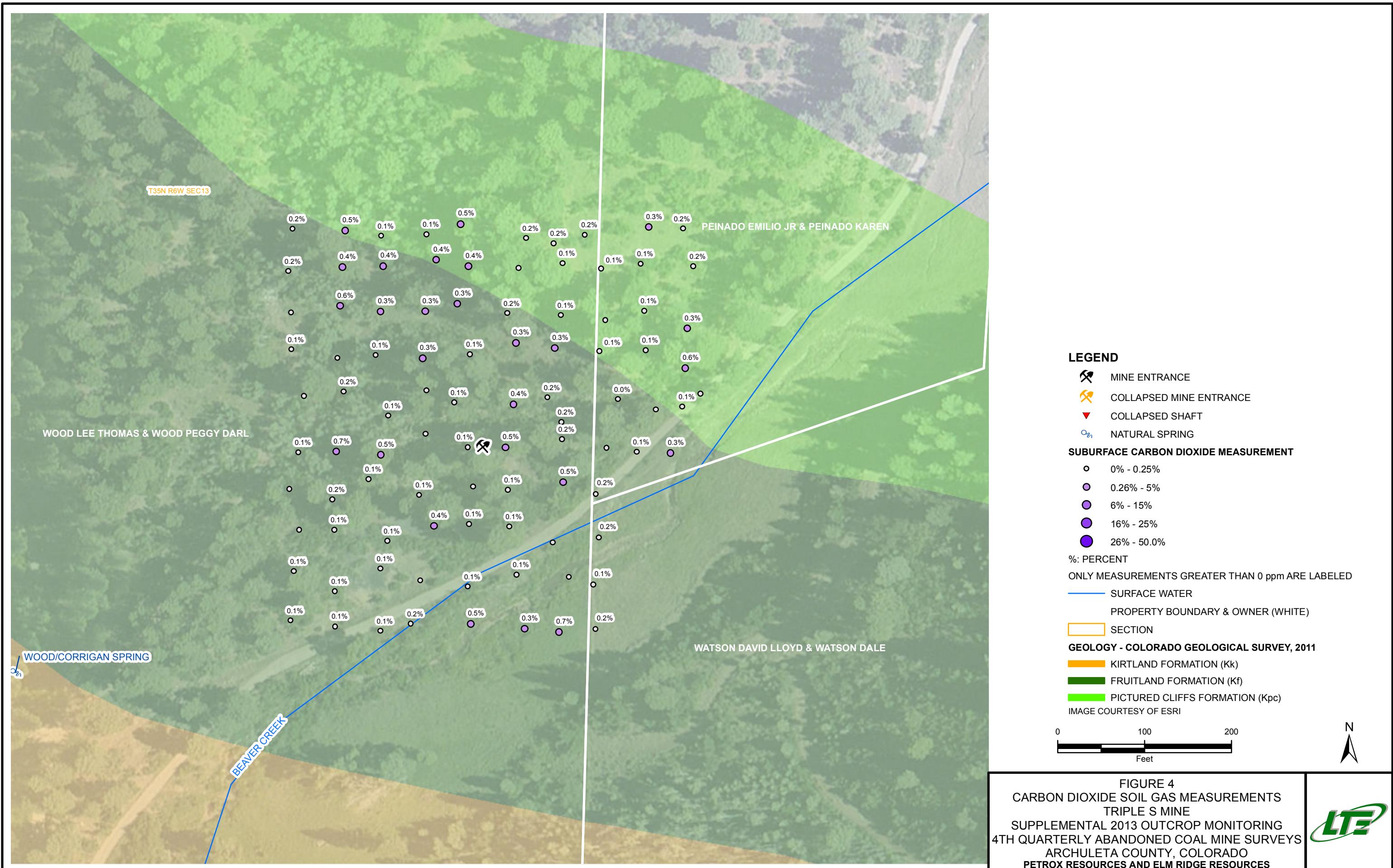
Attachments (3)

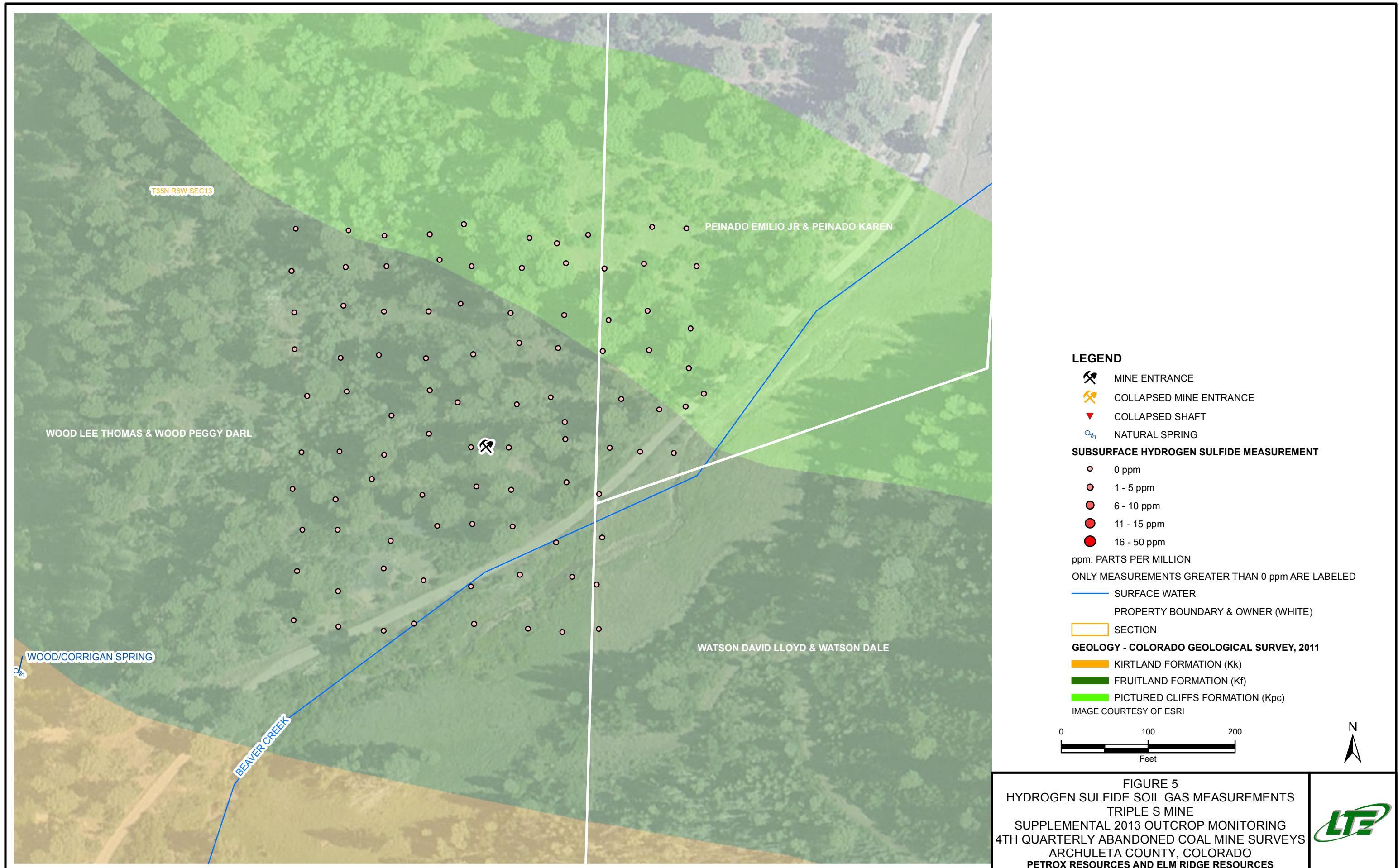
FIGURES

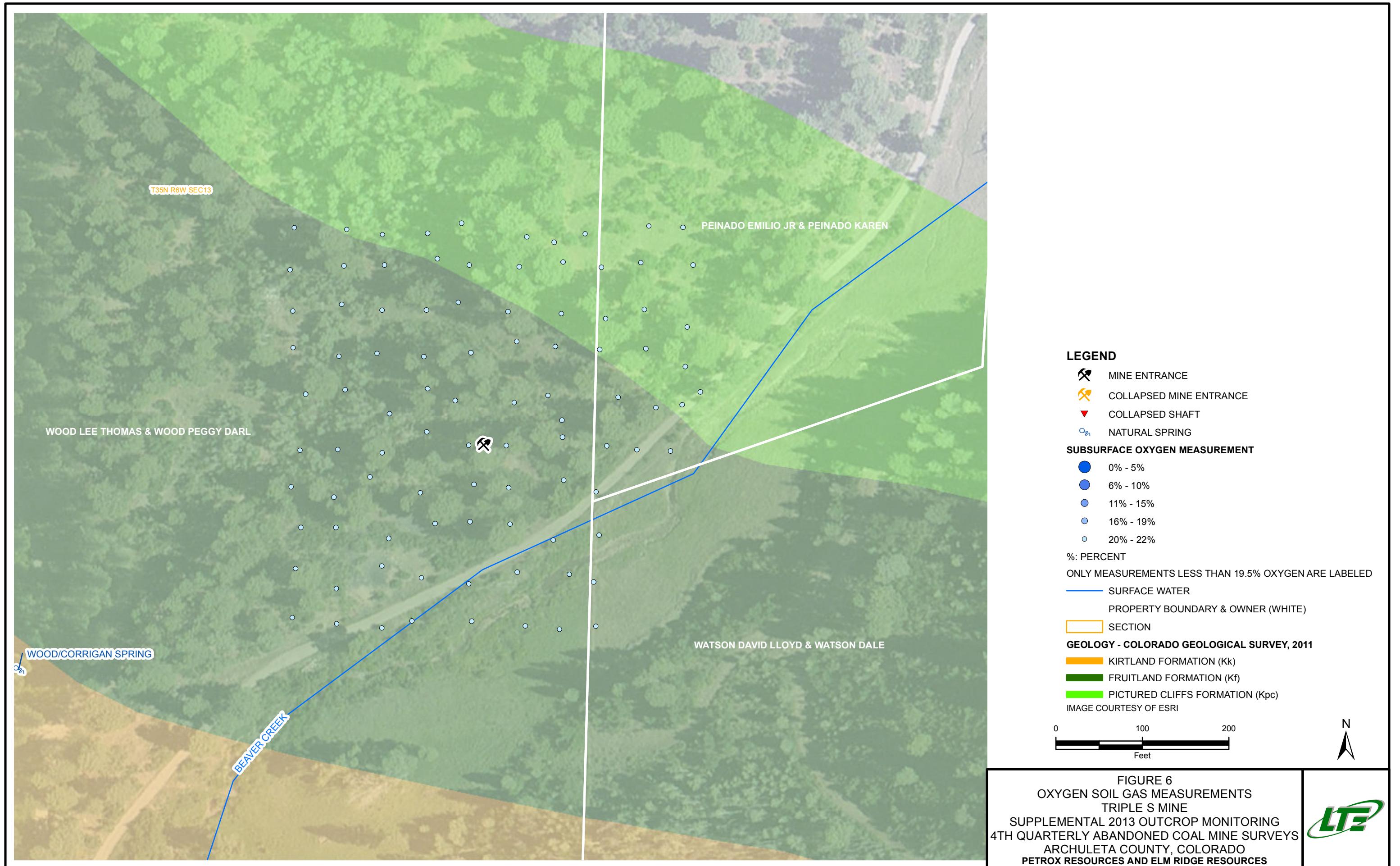


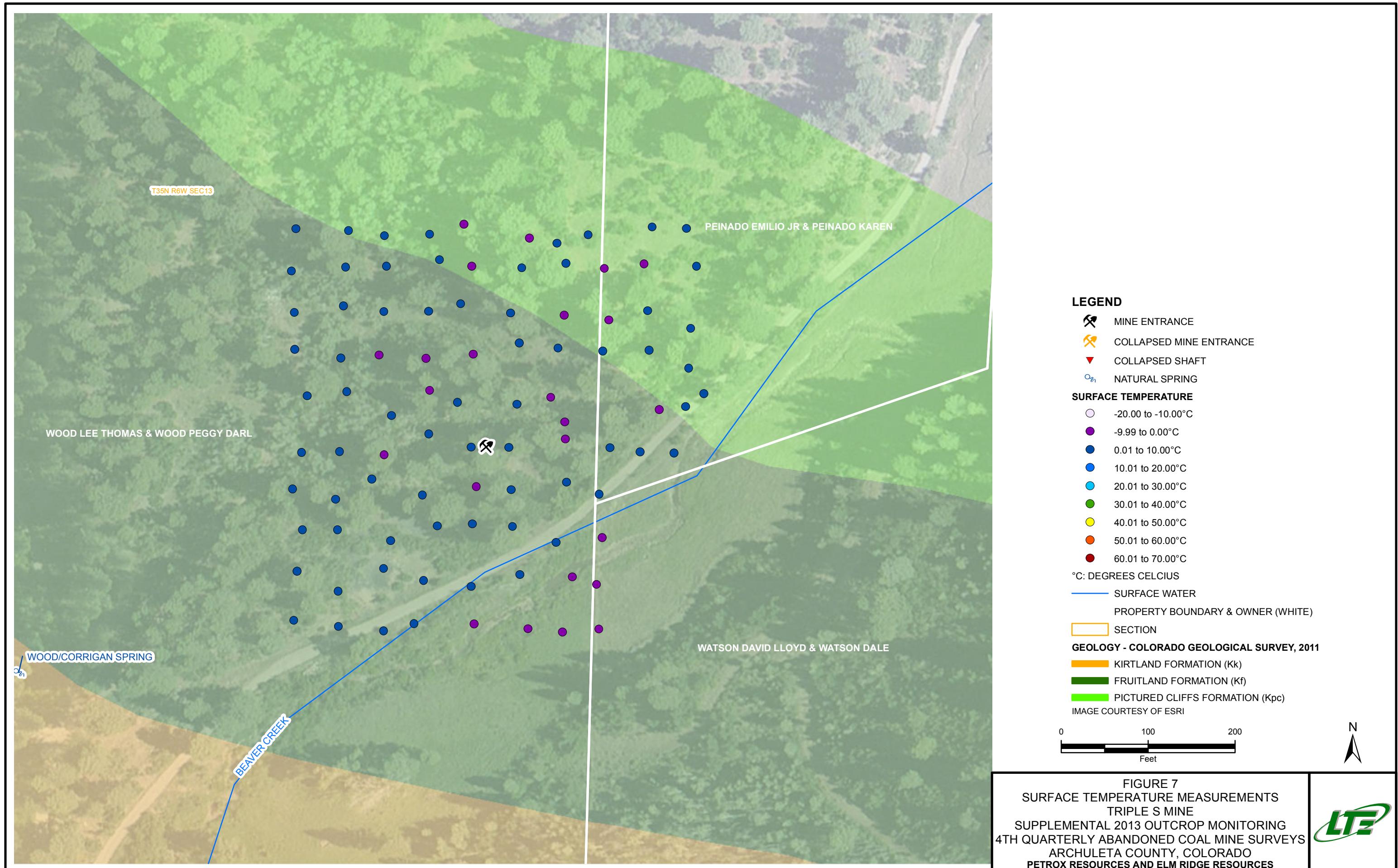


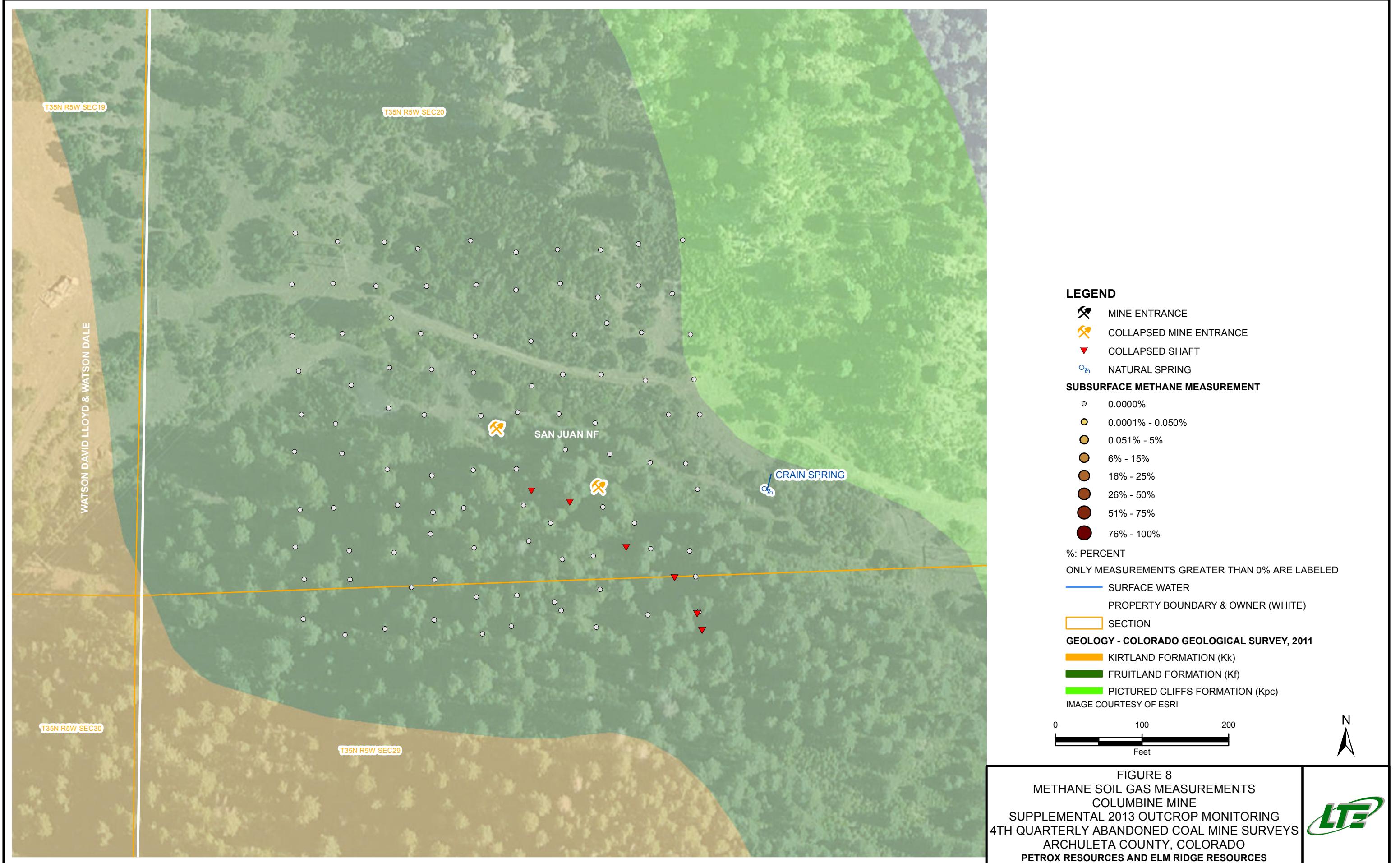


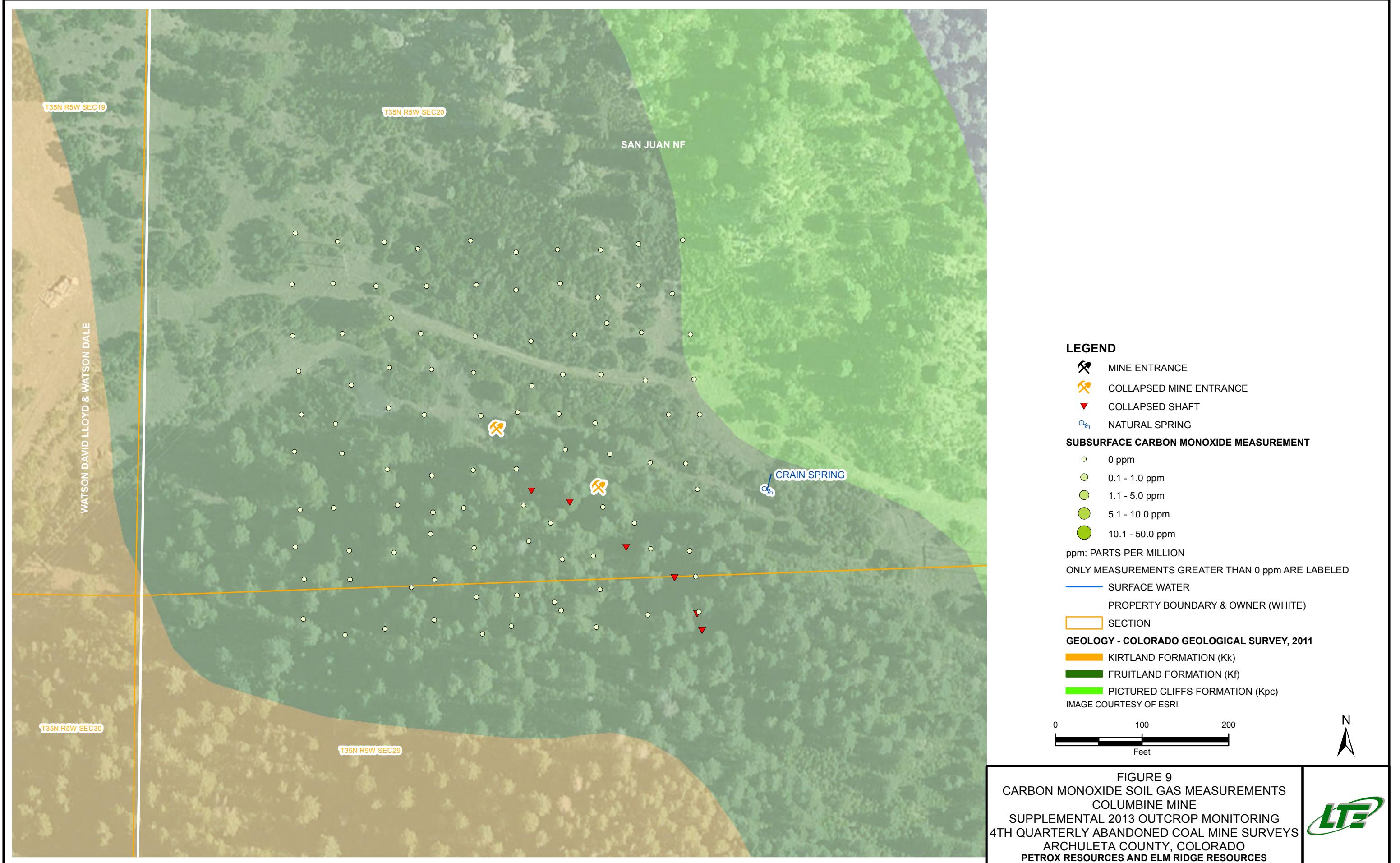


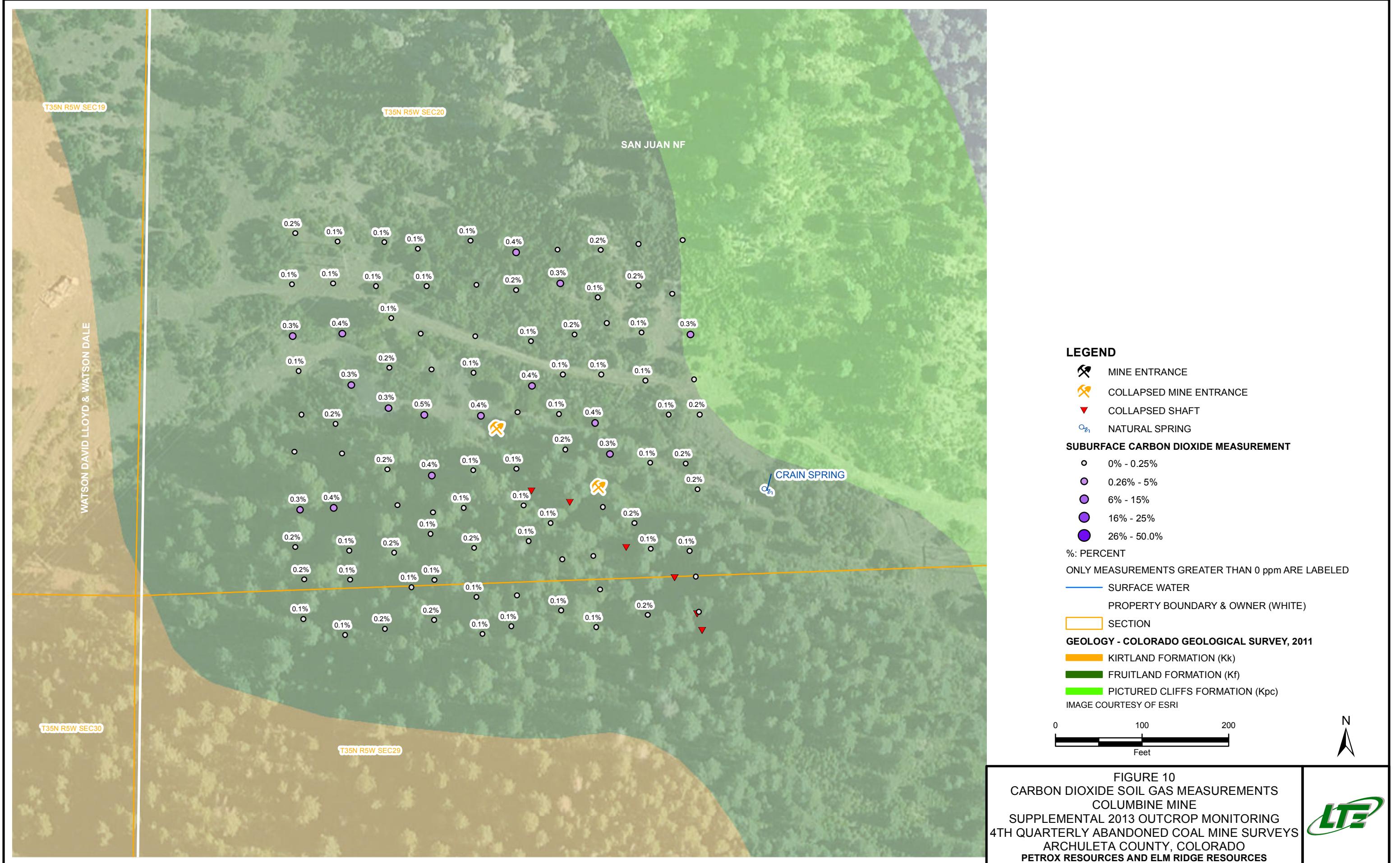


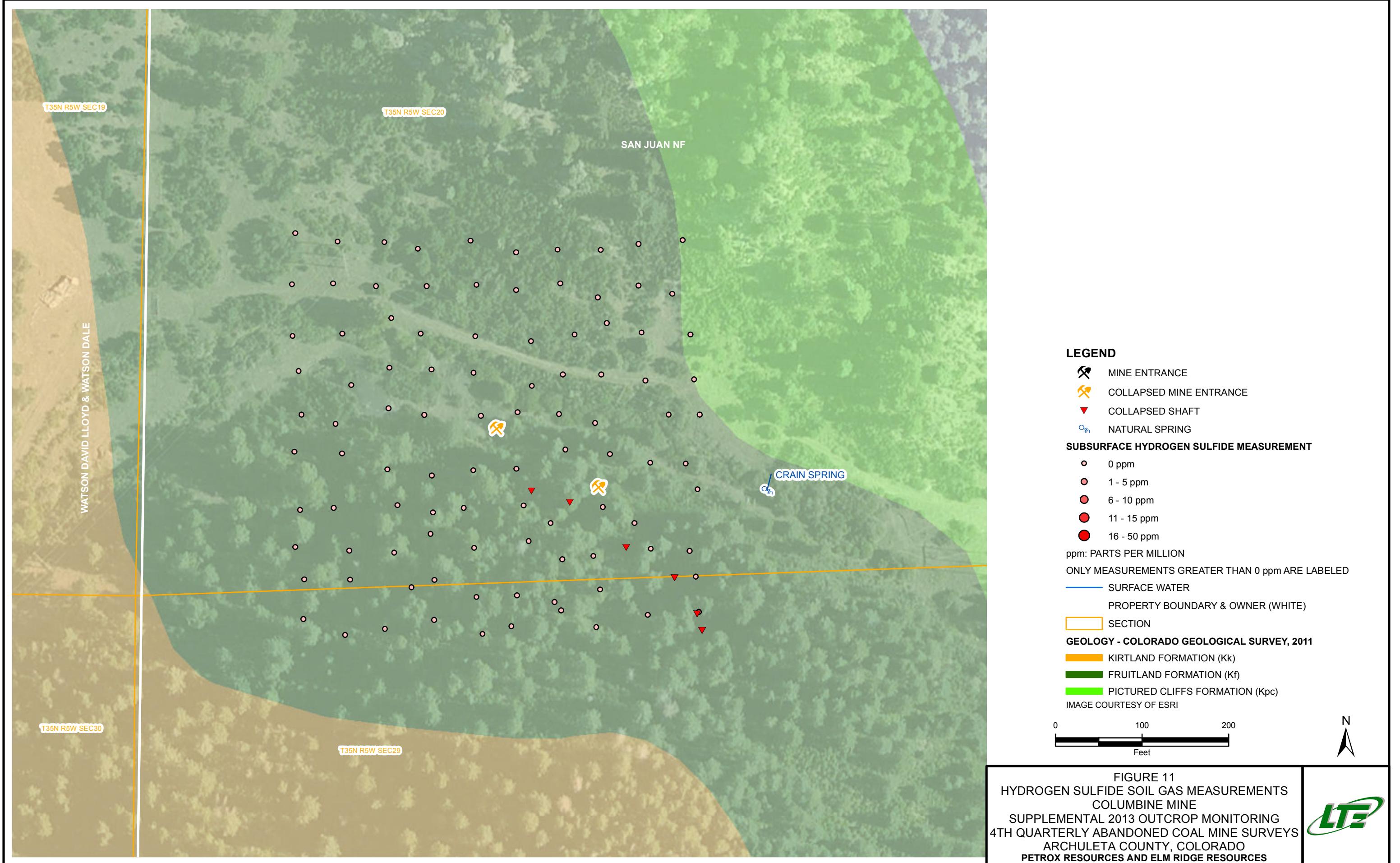


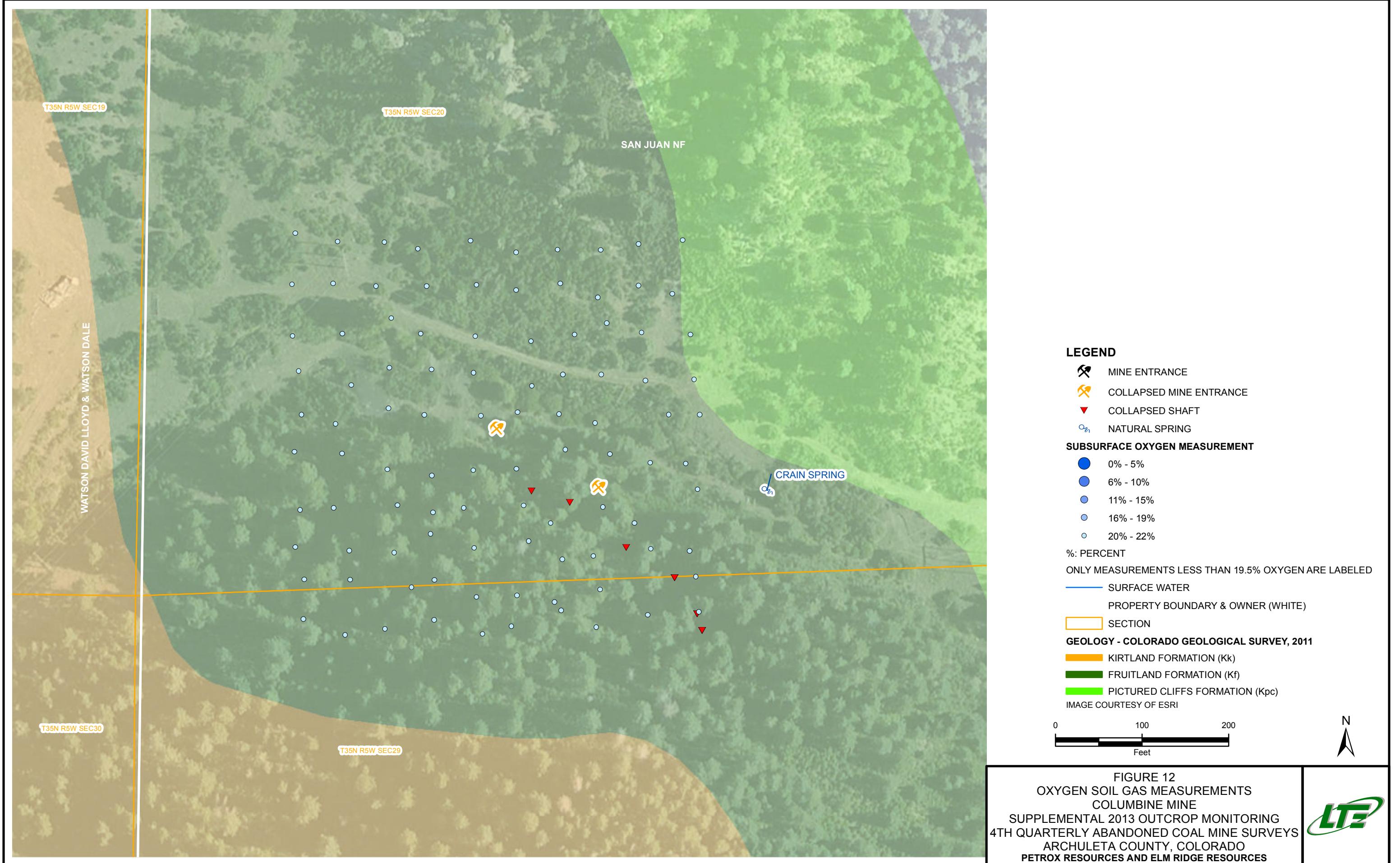


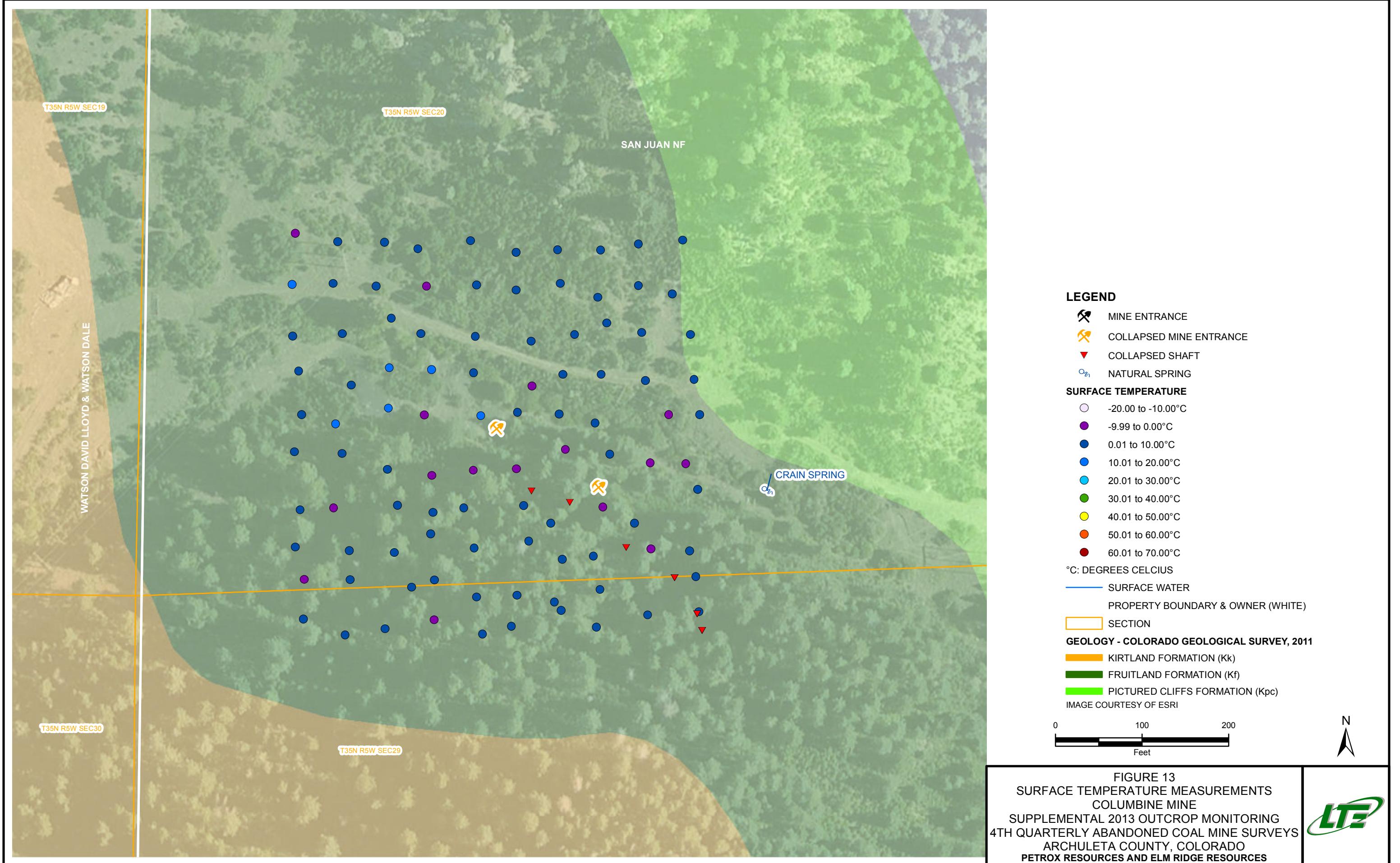


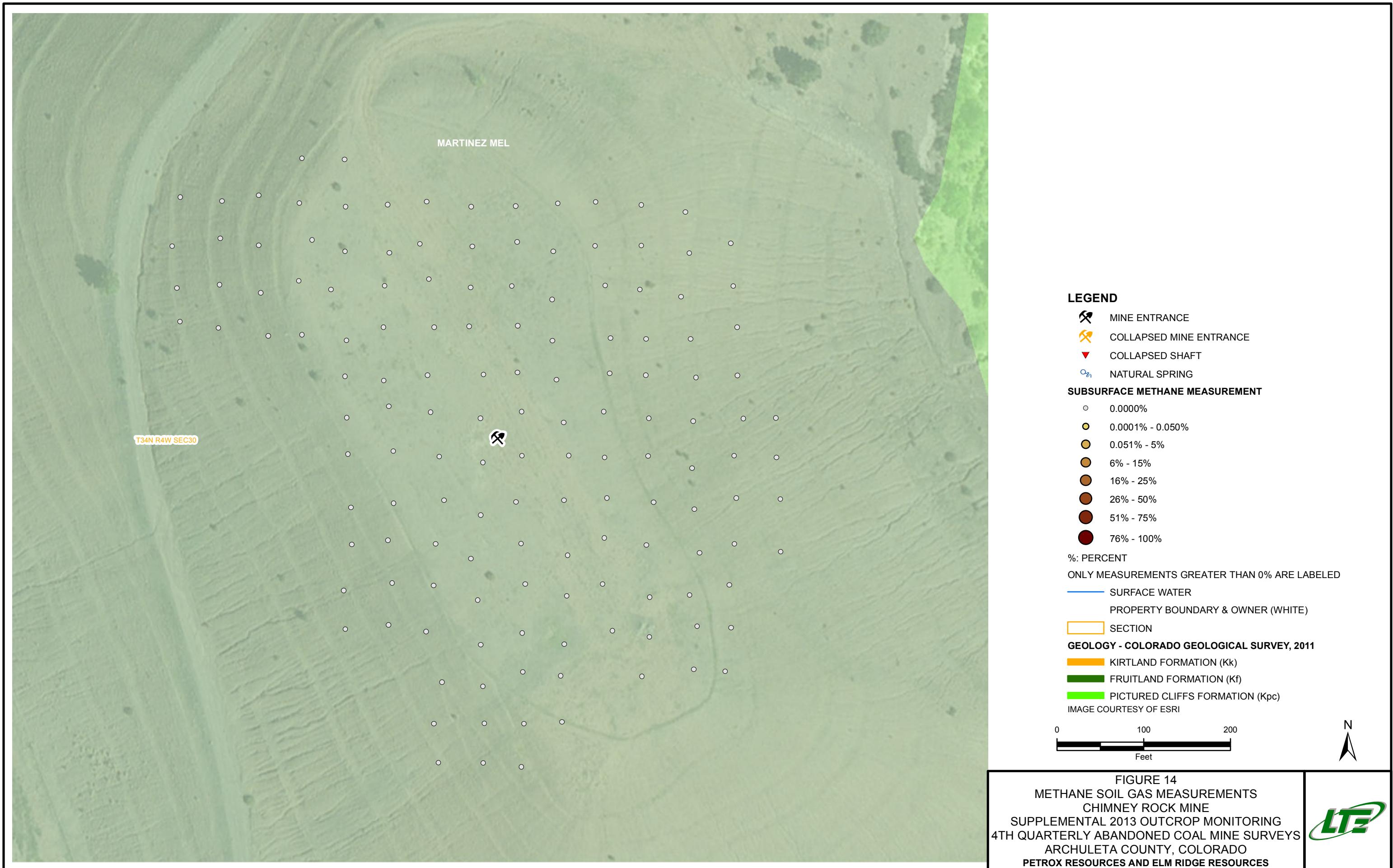


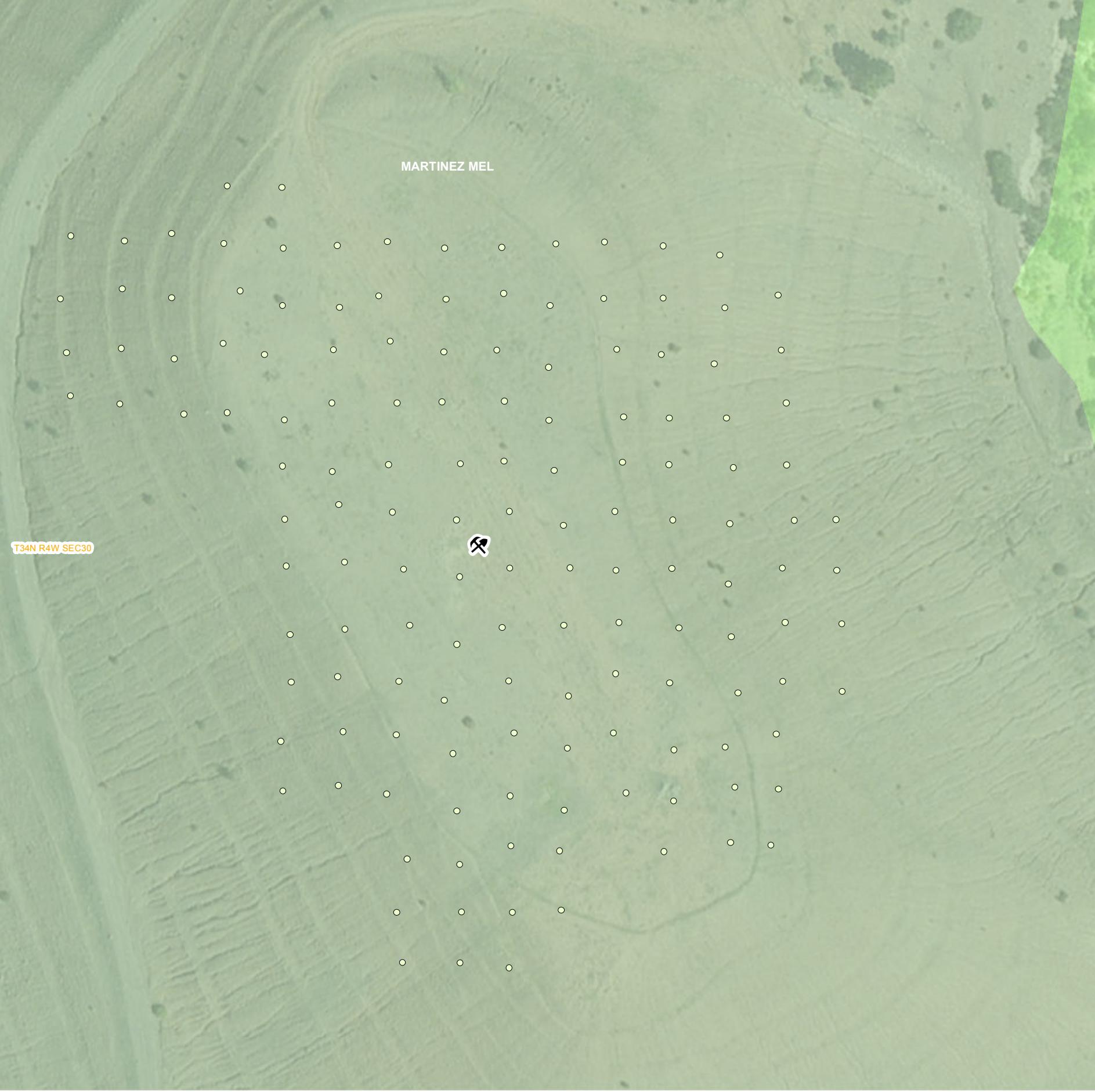












LEGEND

- MINE ENTRANCE
- COLLAPSED MINE ENTRANCE
- COLLAPSED SHAFT
- NATURAL SPRING

SUBSURFACE CARBON MONOXIDE MEASUREMENT

- 0 ppm
- 0.1 - 1.0 ppm
- 1.1 - 5.0 ppm
- 5.1 - 10.0 ppm
- 10.1 - 50.0 ppm

ppm: PARTS PER MILLION

ONLY MEASUREMENTS GREATER THAN 0 ppm ARE LABELED

SURFACE WATER

PROPERTY BOUNDARY & OWNER (WHITE)

SECTION

GEOLOGY - COLORADO GEOLOGICAL SURVEY, 2011

- KIRTLAND FORMATION (Kk)
- FRUITLAND FORMATION (Kf)
- PICTURED CLIFFS FORMATION (Kpc)

IMAGE COURTESY OF ESRI

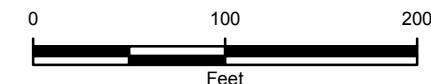
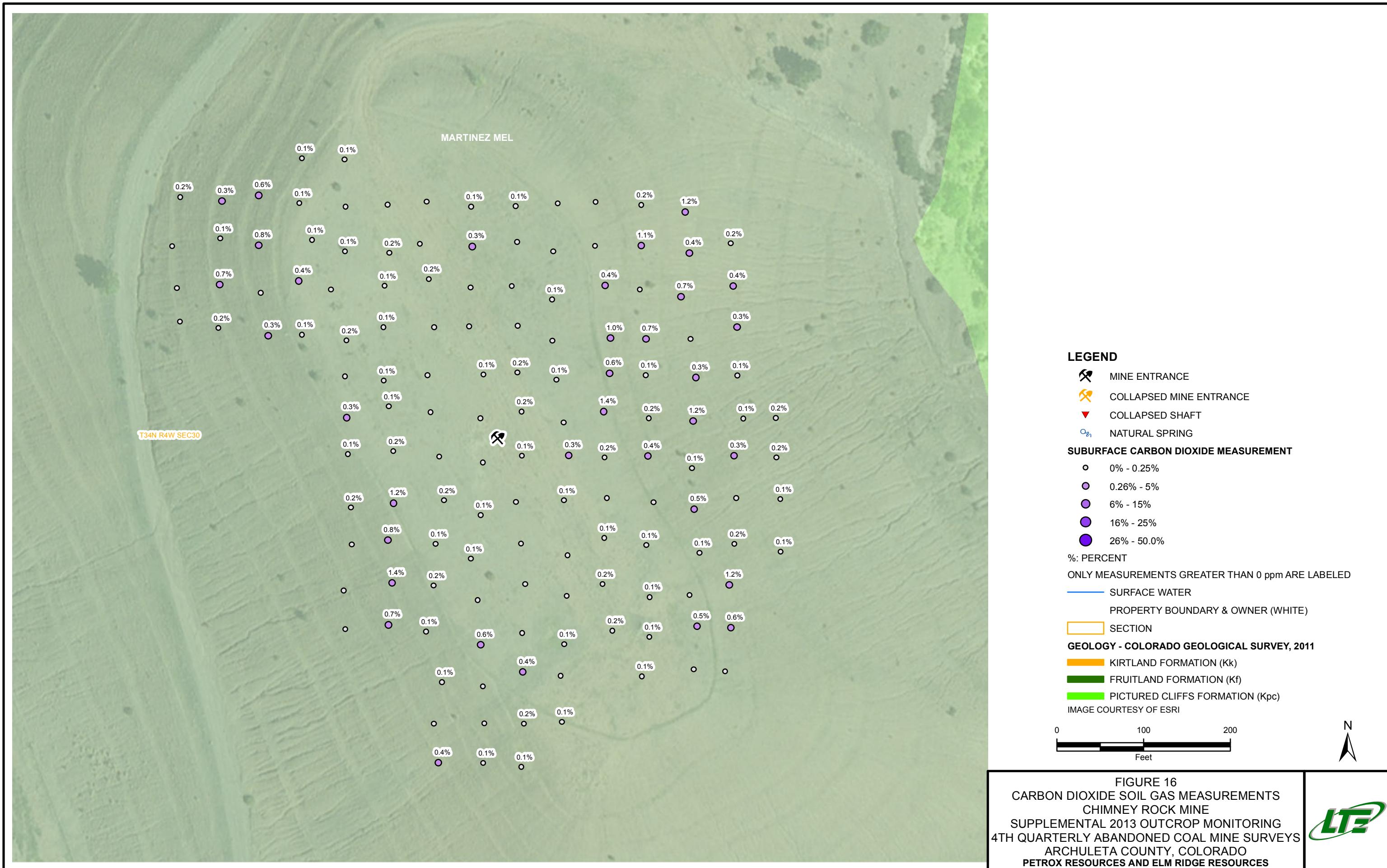
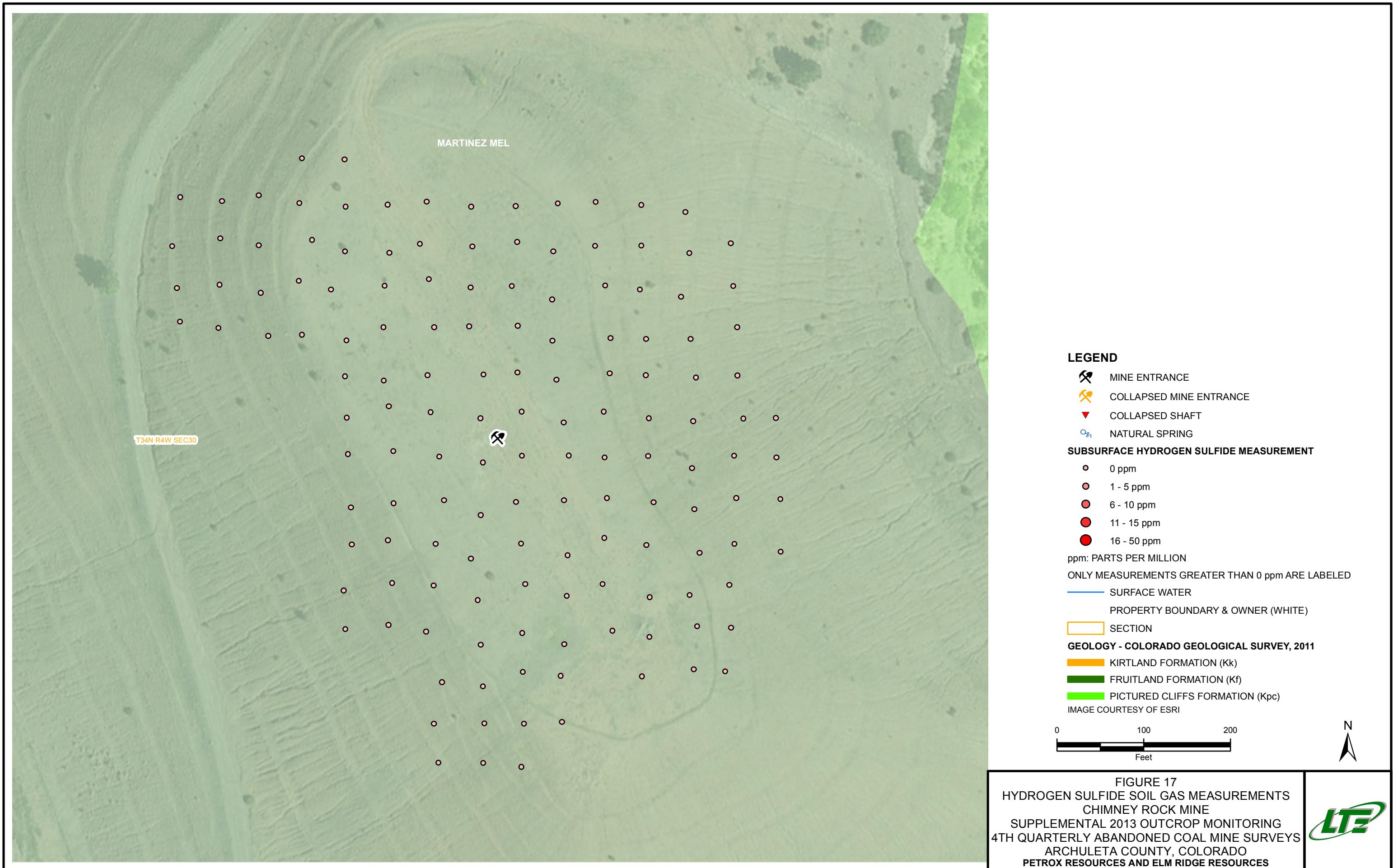


FIGURE 15
CARBON MONOXIDE SOIL GAS MEASUREMENTS
CHIMNEY ROCK MINE
SUPPLEMENTAL 2013 OUTCROP MONITORING
4TH QUARTERLY ABANDONED COAL MINE SURVEYS
ARCHULETA COUNTY, COLORADO
PETROX RESOURCES AND ELM RIDGE RESOURCES







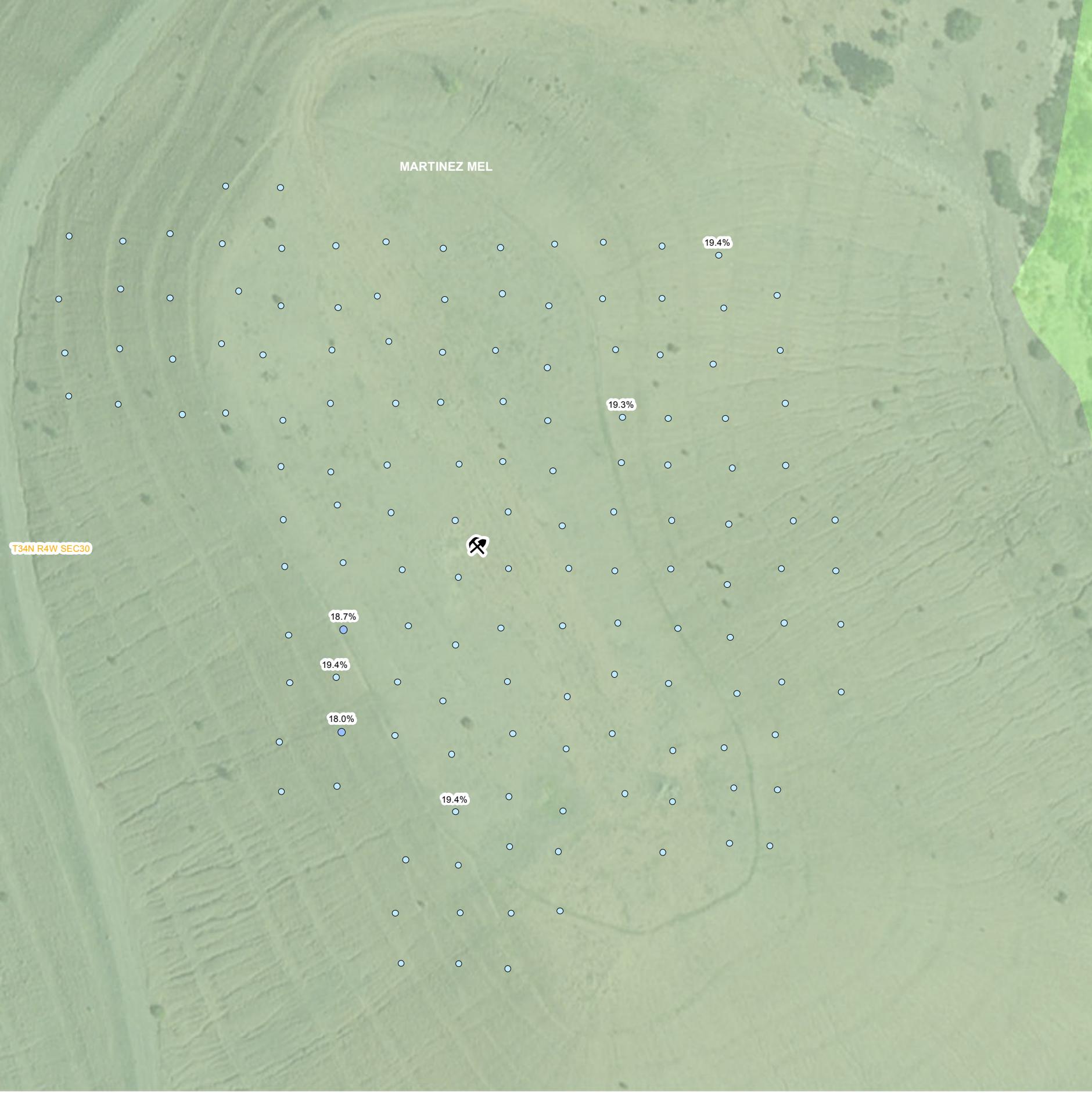
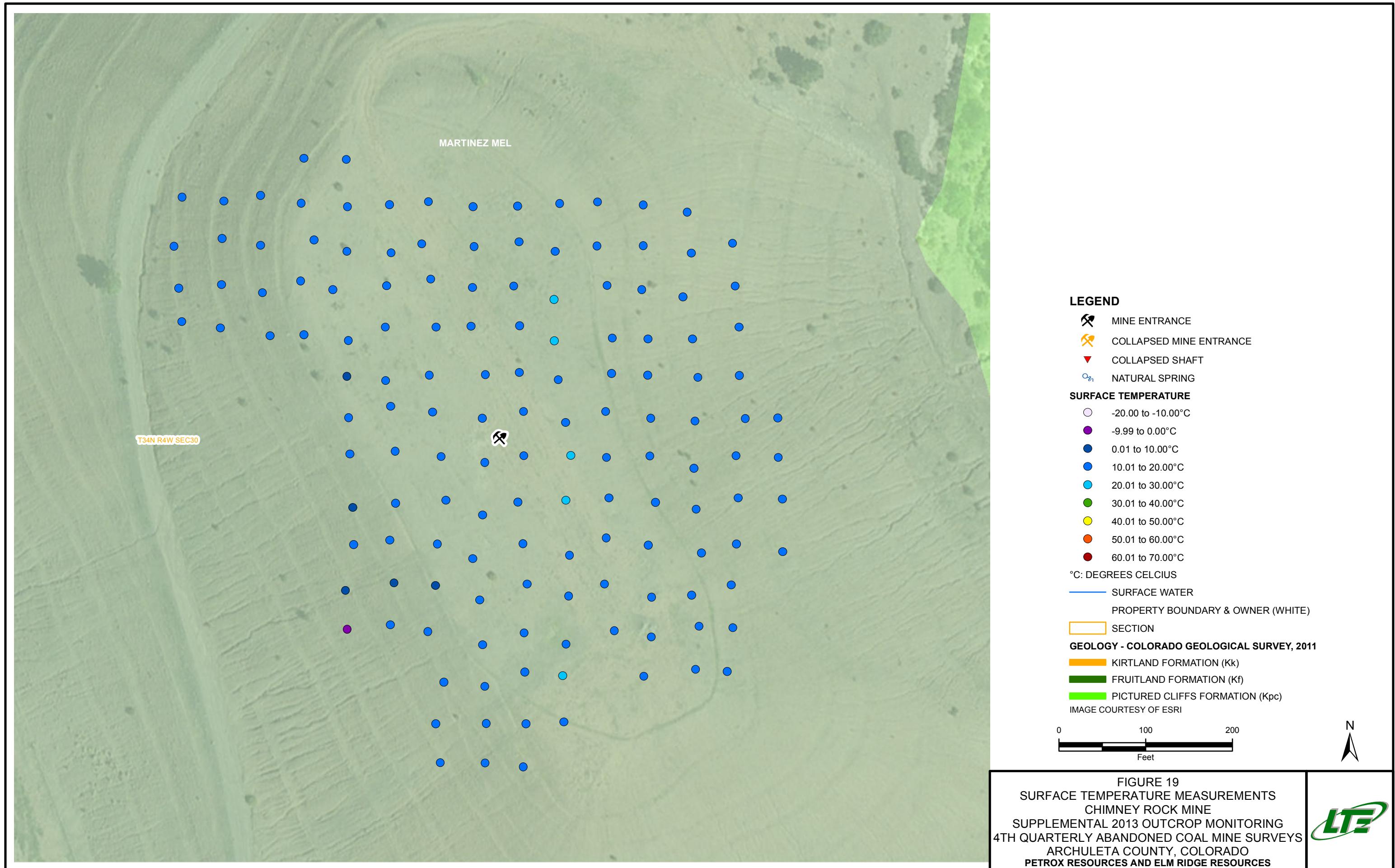
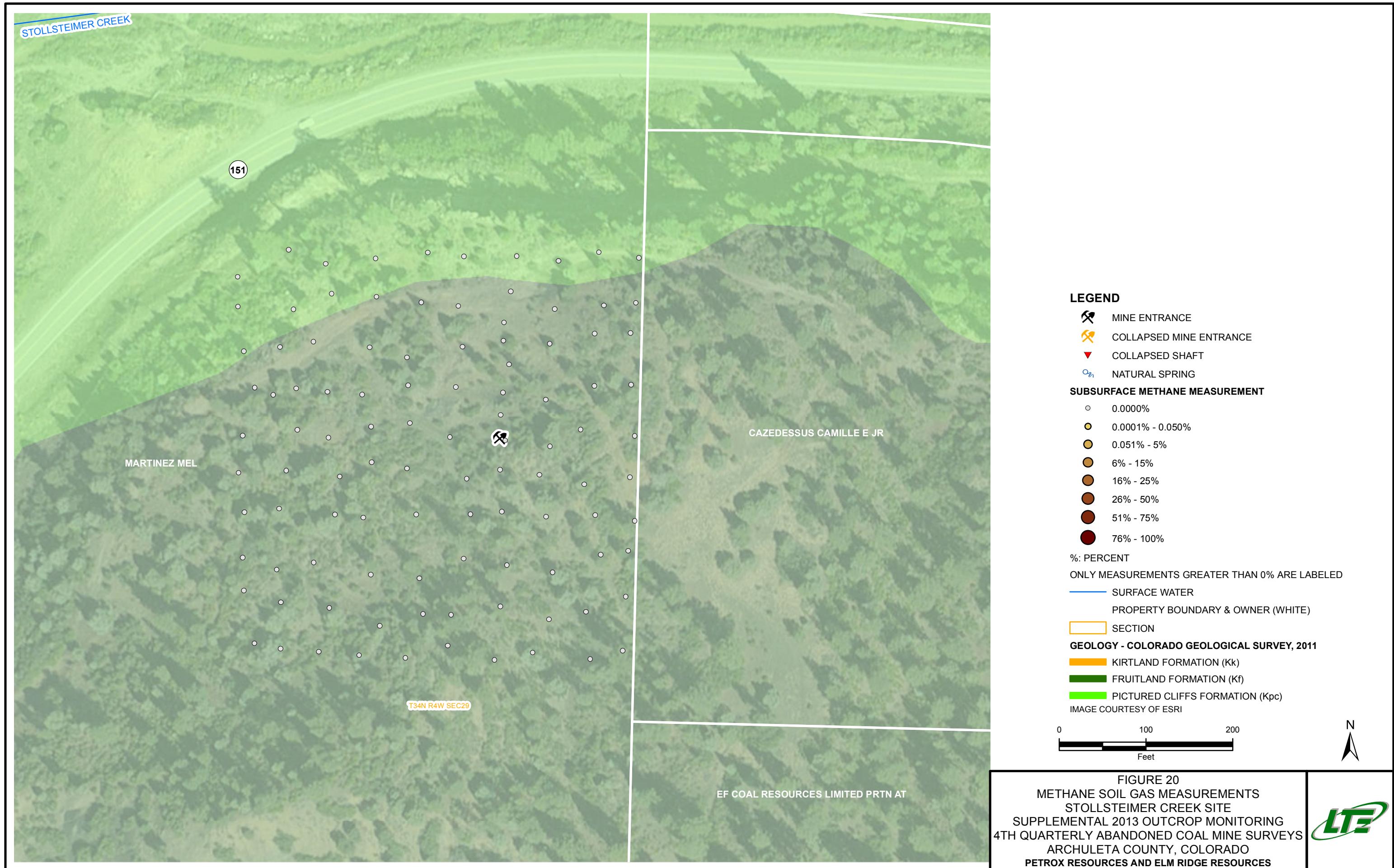
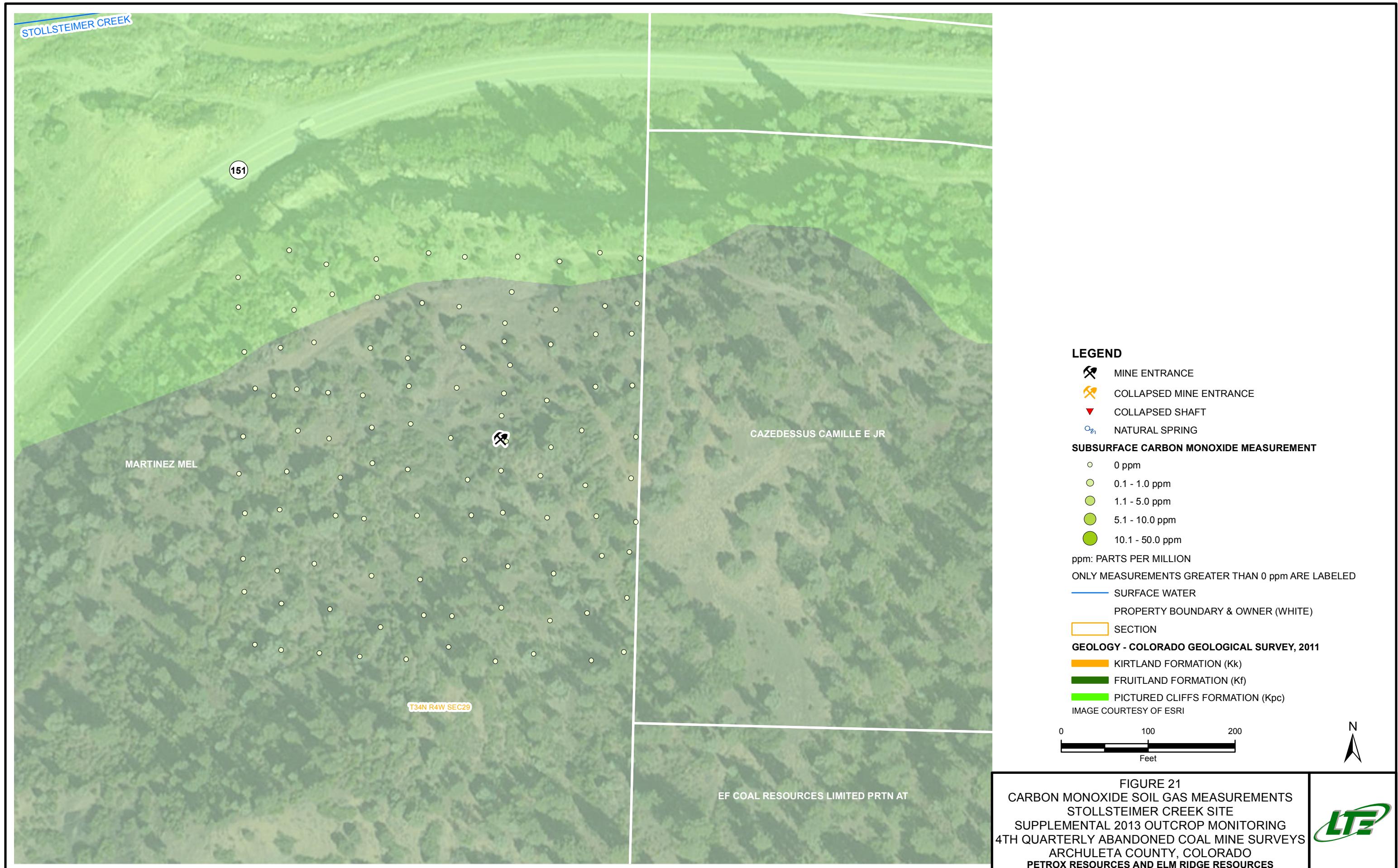


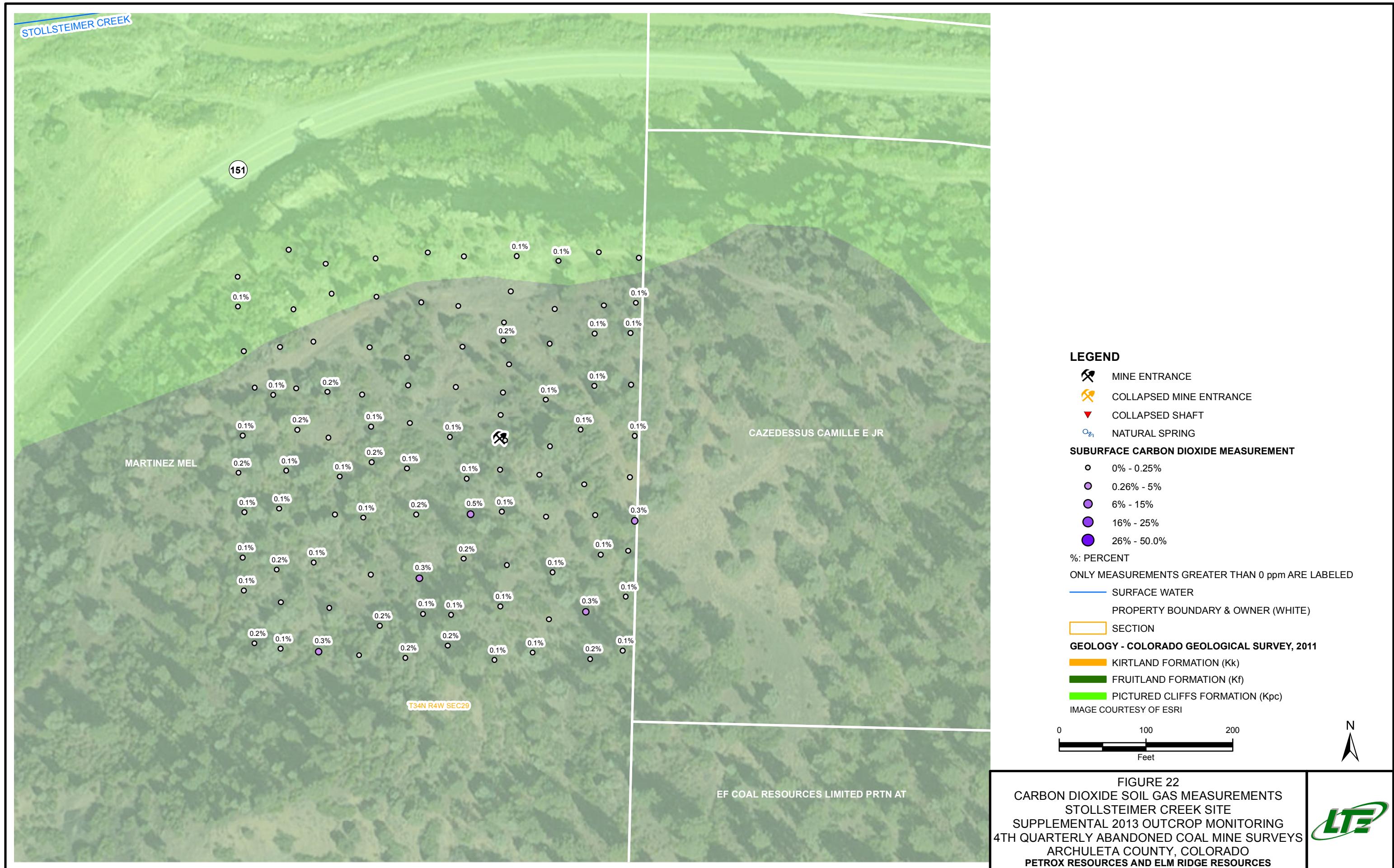
FIGURE 18
OXYGEN SOIL GAS MEASUREMENTS
CHIMNEY ROCK MINE
SUPPLEMENTAL 2013 OUTCROP MONITORING
4TH QUARTERLY ABANDONED COAL MINE SURVEYS
ARCHULETA COUNTY, COLORADO
PETROX RESOURCES AND ELM RIDGE RESOURCES

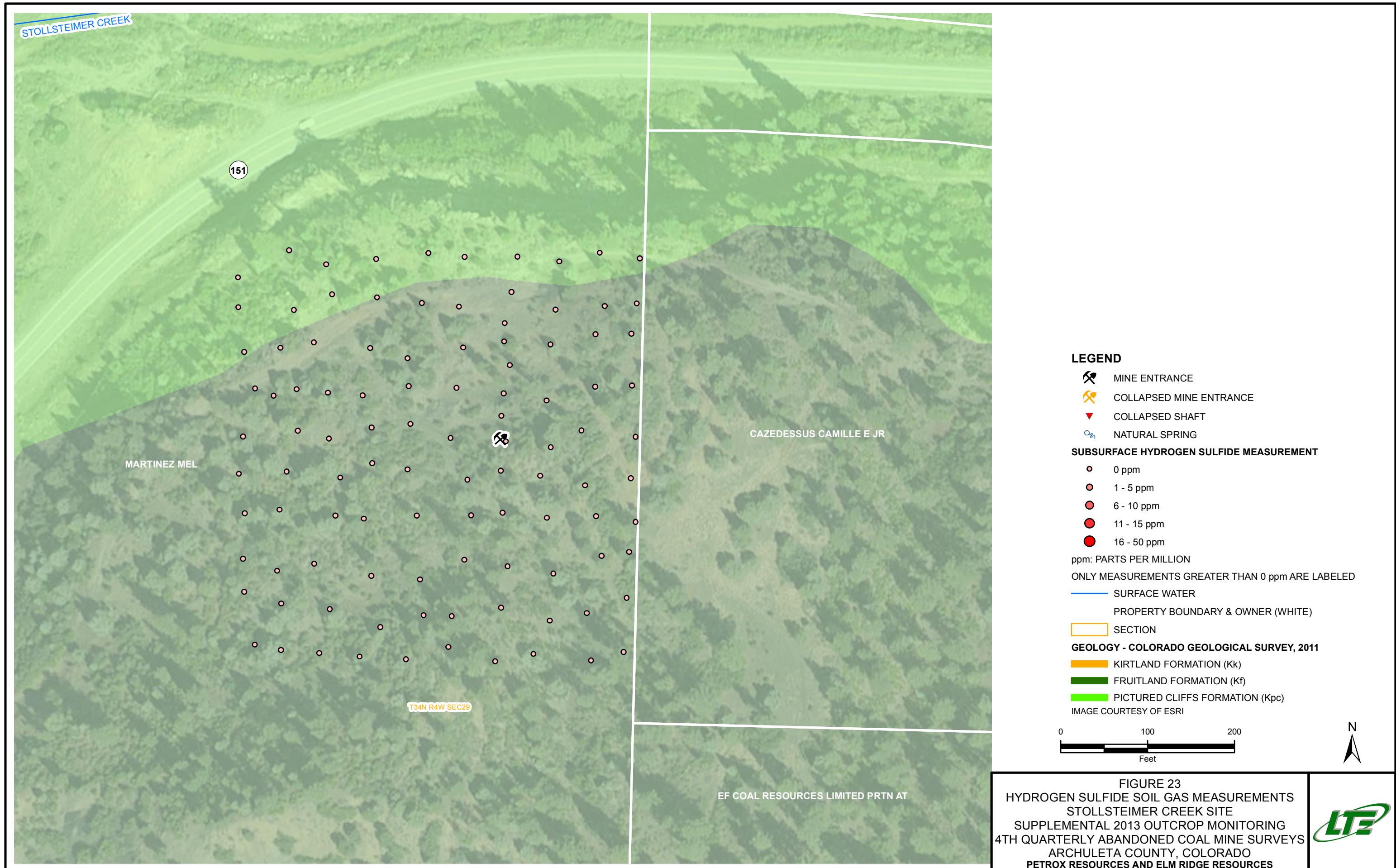


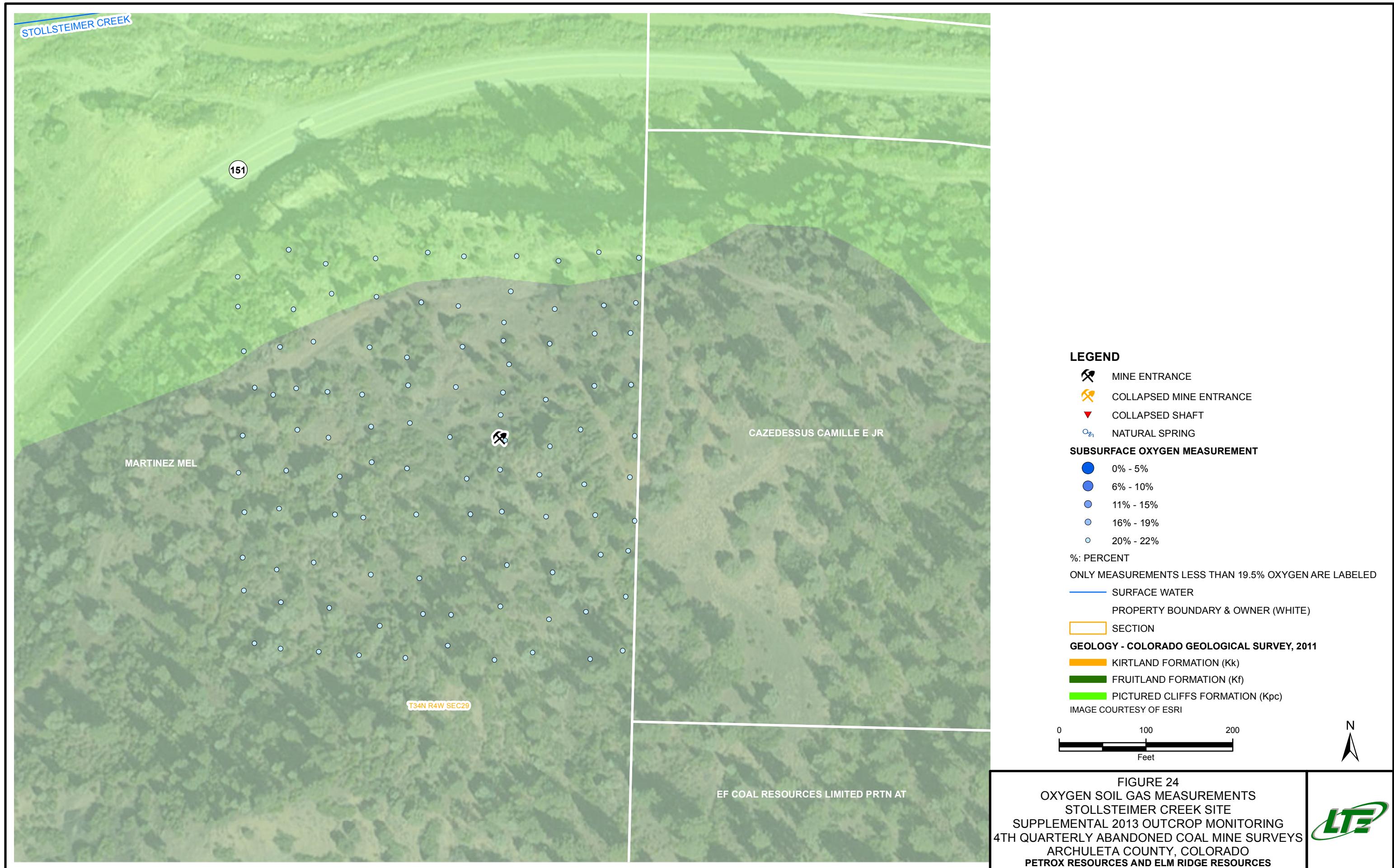


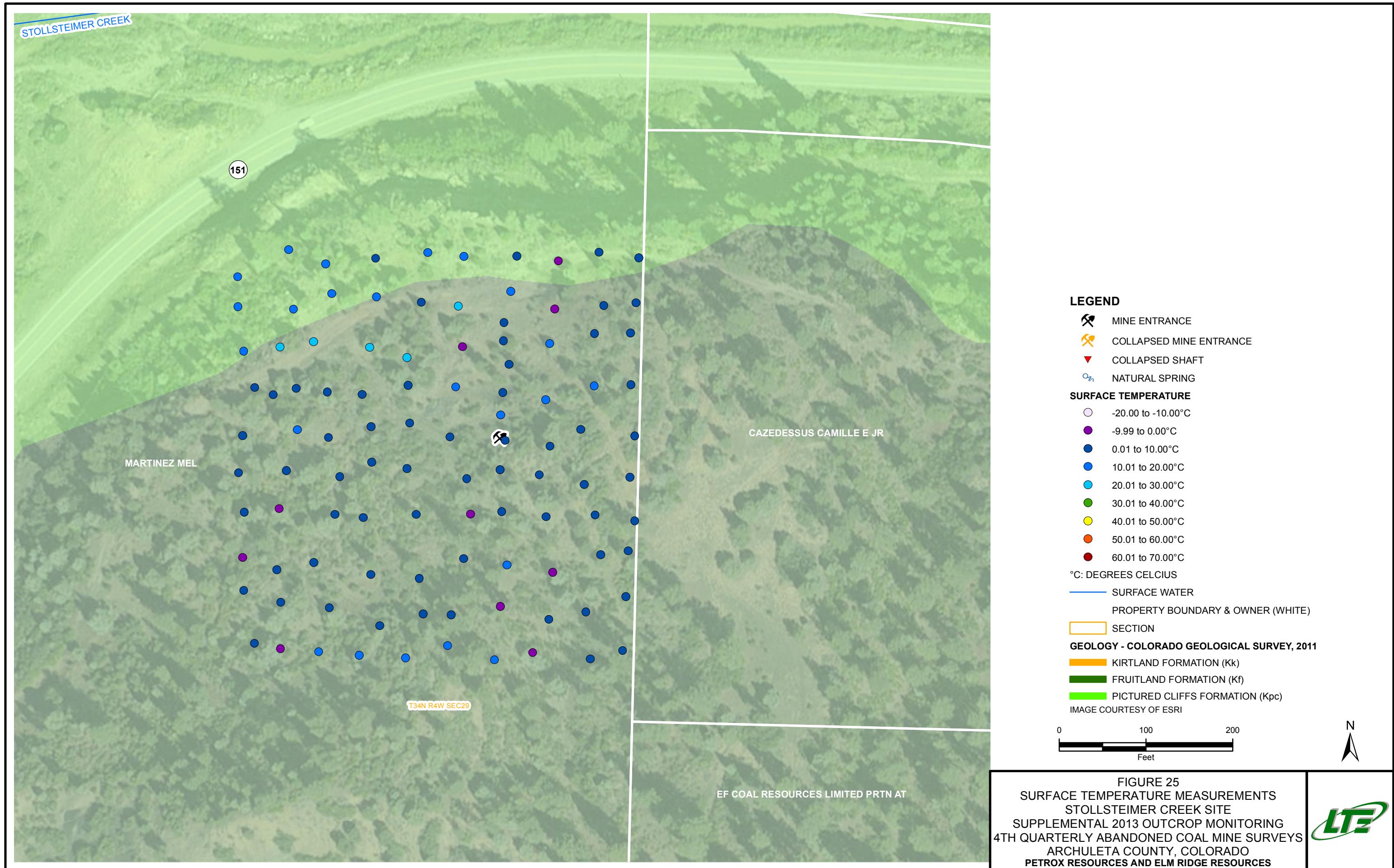




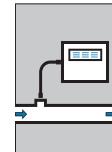








ATTACHMENT 1
EQUIPMENT SPECIFICATIONS

**GEM™2000**PORTABLE GAS ANALYZER
INSTRUMENTATION

The GEM™2000 combines the GEM™500 and the GA-90 into one faster, more accurate, intrinsically safe instrument

The GEM™2000 design specifically for use on landfills to monitor landfill gas (LFG) extraction systems, flares, and migration control systems. The GEM™2000 samples and analyzes the methane, carbon dioxide and oxygen content of landfill gas.

Features

- Measures % CH₄, CO₂ and O₂ Volume, static pressure and differential pressure
- Calculates balance gas, flow (SCFM) and calorific value (KW or BTU)
- Displays % LEL of CH₄, and user-defined comments
- Records site and well conditions
- Extended operation (10 - 14 hrs use from one charge)
- Certified intrinsically safe for landfill use
- Two instruments in one (GA and GEM mode)

Benefits

- Designed specifically for use on landfills to monitor landfill gas (LFG) extraction systems, flares, and migration control systems.
- No need to take more than one instrument to site
- Can be used for routine sub-surface migration monitoring of landfill site perimeter probes and for measuring gas composition, pressure and flow in gas extraction systems
- The user is able to set up comments and questions to record information at site and at each sample point
- Ensures consistent collection of data for better analysis
- Allows balancing of gas extraction systems

Applications

- Landfills
- Gas Extraction Wells
- Flare Monitoring
- Subsurface Migration Probes



Technical Specification

Gases Measured

CH_4 , CO_2 , by dual wavelength infrared cell with reference channel. O_2 by internal electrochemical cell

| | | | |
|---------------|----------------|--------------|-------|
| CH_4 | 0-100% Reading | | |
| CO_2 | 0-100% Reading | O_2 | 0-25% |

| Gas Accuracy | CH_4 | CO_2 | O_2 |
|------------------|---------------|---------------|--------------|
| 0-5% | $\pm 0.3\%$ | $\pm 0.3\%$ | $\pm 1.0\%$ |
| 5-15% | $\pm 1.0\%$ | $\pm 1.0\%$ | $\pm 1.0\%$ |
| 15% - Full Scale | $\pm 3.0\%$ | $\pm 3.0\%$ | $\pm 1.0\%$ |

| Other Parameters | Unit | Resolution | Comments |
|-----------------------|--------------------------|--------------------------------|--------------------------------------|
| Energy | BTU/hr | 1000 BTU/hr | Calculated from specific parameters. |
| Static Pressure | in. H_2O | 0.1 in. H_2O | Direct Measurement |
| Differential Pressure | in. H_2O | 0.001 in. H_2O | Direct Measurement |

| | |
|------------------------------|---------------------------------------------------------------|
| Flow | Typically 300 cc/min |
| Flow with 5.9 in.Hg vacuum | Approximately 250 cc/min |
| Operating Temperature Range | 32°F - 104°F |
| Operating Pressure | -100 in. H_2O , +100 in. H_2O |
| Relative Humidity | 0-95% non condensing |
| Barometric Pressure | ± 5.9 in.Hg from calibration pressure |
| Barometric Pressure Accuracy | $\pm 1\%$ typically |
| Battery Life | Typical use 10 hours from fully charged |
| Charge Time | Approximately 2 hours from complete discharge. |
| Certifications | UL- Certified to Class 1, Zone 1, AEx ib d IIa T1 |



LANDTEC North America
 Western Sales Office
 (800) 821-0496 • Fax (909) 825-0591
 Eastern Sales Office
 (800) 390-7745 • Fax (301) 391-6546

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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

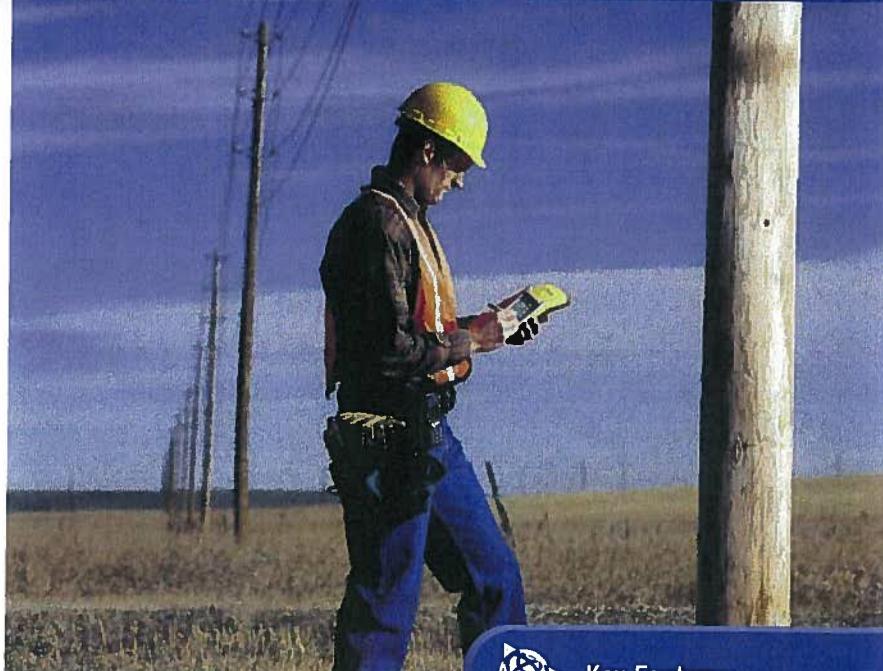
The GeoXT is optimized to provide the reliable, high-accuracy location data you need. Advanced features like EVEREST™ multipath rejection technology let you work under canopy, in urban canyons, or anywhere where accuracy is crucial.

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

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.

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

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

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

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

GeoXT

The total GPS platform for all your GIS field requirements

Standard features

System

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

GPS

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

Software

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

Accessories

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

Optional Features

Software

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

Accessories

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

Specifications subject to change without notice.

Technical specifications

Physical

| | |
|-----------|------------------------------------------------------|
| Size | 21.5 cm × 9.9 cm × 7.7 cm (8.5 in × 3.9 in × 3.0 in) |
| Weight | 0.72 kg (1.59 lb) with battery |
| Processor | 206 MHz Intel StrongARM SA-1110 |
| Memory | 64 MB RAM and 512 MB internal Flash disk |
| Power | |

| | |
|-------------------------------------------|-----------|
| Low (no GPS) | 0.6 Watts |
| Normal (with GPS) | 1.4 Watts |
| High (with GPS, backlight, and Bluetooth) | 2.5 Watts |

Battery Internal lithium-ion, rapidly rechargeable in unit, 21 Watt-hours

Environmental

| | |
|-------------|------------------------------------|
| Temperature | |
| Operating | -10 °C to +50 °C (14 °F to 122 °F) |
| Storage | -20 °C to +70 °C (-4 °F to 158 °F) |
| Humidity | 99% non-condensing |

Casing Wind-driven rain and dust-resistant per IP 54 standard
Slip-resistant grip, shock- and vibration-resistant

Input/output

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

Bluetooth

| | |
|---------------|--------------------------------------------------------------------------------------------------------------------------------|
| Certification | Bluetooth type approvals are country specific. GeoExplorer series handholds are approved for use with Bluetooth in the USA. |
|---------------|--------------------------------------------------------------------------------------------------------------------------------|

For a complete list of other countries with Bluetooth approval
please refer to www.trimble.com/geoxt_ts.asp.

Profiles

| | |
|------------------------------|-----------------------------------------|
| Both client and host support | Serial Port, File Transfer (using OBEX) |
| Client support only | Dial-Up Networking, Lan Access |
| Host support only | Basic Imaging, Object Push |

Display Advanced outdoor TFT, 240 × 320 pixel, 65,536 colors, with backlight

Audio Microphone and half duplex speaker, record and playback utilities

Interface Anti-glare coated touch screen, Soft Input Panel (SIP) virtual keyboard
2 hardware control keys plus 4 programmable permanent touch buttons

Handwriting recognition software, Audio system events, warnings, and notifications

GPS

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

Accuracy (RMS)⁴ after differential correction

| | |
|------------------------------------|----------|
| Postprocessed ⁵ | Submeter |
| Carrier postprocessed ⁶ | |

With 10 minutes tracking satellites 30 cm

Real-time Submeter

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

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

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

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

³ Serial clip also required.

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

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

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

YOUR LOCAL TRIMBLE OFFICE OR REPRESENTATIVE

www.trimble.com

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NORTH & SOUTH AMERICA

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



EUROPE, AFRICA & MIDDLE EAST

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

ASIA-PACIFIC

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



ATTACHMENT 2

SUBSURFACE SOIL GAS AND TEMPERATURE MEASUREMENTS

ATTACHMENT 2
SUBSURFACE SOIL GAS AND TEMPERATURE MEASUREMENTS

| Datafile | Sub O ₂ (%) | Sub CH ₄ (PPM) | Sub H ₂ S (PPM) | Sub CO (PPM) | Sub CO ₂ (PPM) | Temp (°C) | GPS_Date | GPS_Time | Northing | Easting |
|----------------------|---------------------------|------------------------------|-------------------------------|-----------------|------------------------------|--------------|-----------|------------|----------------|----------------|
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 13.0 | 5/23/2014 | 11:47:43am | 1185730.306150 | 2470114.662309 |
| CHIMNEYROCKMINE05231 | 20.6 | 0.00 | 0.00 | 0.00 | 6000.00 | 14.0 | 5/23/2014 | 11:53:38am | 1185780.462085 | 2470121.491500 |
| CHIMNEYROCKMINE05231 | 19.5 | 0.00 | 0.00 | 0.00 | 12000.00 | 12.0 | 5/23/2014 | 11:57:01am | 1185829.795455 | 2470119.498910 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 2000.00 | 13.0 | 5/23/2014 | 12:00:01pm | 1185877.106208 | 2470125.407279 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 14.0 | 5/23/2014 | 12:04:05pm | 1185868.275709 | 2470178.666783 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 11.0 | 5/23/2014 | 12:06:10pm | 1185928.949757 | 2470178.366271 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 12.0 | 5/23/2014 | 12:09:31pm | 1185930.204053 | 2470127.372597 |
| CHIMNEYROCKMINE05231 | 20.6 | 0.00 | 0.00 | 0.00 | 3000.00 | 14.0 | 5/23/2014 | 12:11:49pm | 1185978.939792 | 2470125.057933 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 2000.00 | 15.0 | 5/23/2014 | 12:14:23pm | 1185976.734342 | 2470173.770329 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 15.0 | 5/23/2014 | 12:17:42pm | 1186022.508788 | 2470173.108873 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 16.0 | 5/23/2014 | 12:21:16pm | 1186021.890731 | 2470135.607145 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 16.0 | 5/23/2014 | 12:24:19pm | 1186071.606335 | 2470128.771032 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 3000.00 | 13.0 | 5/23/2014 | 12:27:05pm | 1186127.209086 | 2470128.240652 |
| CHIMNEYROCKMINE05231 | 20.6 | 0.00 | 0.00 | 0.00 | 4000.00 | 13.0 | 5/23/2014 | 12:29:32pm | 1186174.670713 | 2470124.212494 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 2000.00 | 15.0 | 5/23/2014 | 12:32:36pm | 1186223.973095 | 2470121.202852 |
| CHIMNEYROCKMINE05231 | 19.4 | 0.00 | 0.00 | 0.00 | 12000.00 | 14.0 | 5/23/2014 | 12:34:54pm | 1186259.823447 | 2470068.706992 |
| CHIMNEYROCKMINE05231 | 20.6 | 0.00 | 0.00 | 0.00 | 4000.00 | 16.0 | 5/23/2014 | 12:37:39pm | 1186212.713860 | 2470073.503285 |
| CHIMNEYROCKMINE05231 | 20.4 | 0.00 | 0.00 | 0.00 | 7000.00 | 15.0 | 5/23/2014 | 12:40:12pm | 1186162.333774 | 2470063.830712 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 17.0 | 5/23/2014 | 12:42:41pm | 1186113.431565 | 2470074.808377 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 3000.00 | 15.0 | 5/23/2014 | 12:44:43pm | 1186069.147414 | 2470080.924135 |
| CHIMNEYROCKMINE05231 | 19.8 | 0.00 | 0.00 | 0.00 | 12000.00 | 14.0 | 5/23/2014 | 12:47:56pm | 1186018.716899 | 2470077.558880 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 15.0 | 5/23/2014 | 12:50:41pm | 1185964.606597 | 2470076.489104 |
| CHIMNEYROCKMINE05231 | 20.3 | 0.00 | 0.00 | 0.00 | 5000.00 | 16.0 | 5/23/2014 | 12:53:09pm | 1185917.221812 | 2470079.118752 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 13.0 | 5/23/2014 | 12:55:59pm | 1185866.716927 | 2470084.887976 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 17.0 | 5/23/2014 | 12:59:07pm | 1185818.217024 | 2470073.761996 |
| CHIMNEYROCKMINE05231 | 20.6 | 0.00 | 0.00 | 0.00 | 5000.00 | 18.0 | 5/23/2014 | 01:01:00pm | 1185782.140608 | 2470082.428389 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 16.0 | 5/23/2014 | 01:03:12pm | 1185732.476117 | 2470078.462299 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 17.0 | 5/23/2014 | 01:05:32pm | 1185724.654594 | 2470018.707441 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 17.0 | 5/23/2014 | 01:07:48pm | 1185769.850187 | 2470027.425537 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 16.0 | 5/23/2014 | 01:10:11pm | 1185815.978788 | 2470027.568449 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 15.0 | 5/23/2014 | 01:12:11pm | 1185875.750495 | 2470023.778928 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 15.0 | 5/23/2014 | 01:14:37pm | 1185925.152539 | 2470032.076920 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 4000.00 | 14.0 | 5/23/2014 | 01:16:56pm | 1185978.404173 | 2470025.543817 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 2000.00 | 15.0 | 5/23/2014 | 01:18:30pm | 1186022.287062 | 2470026.637708 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 14.0 | 5/23/2014 | 01:20:55pm | 1186071.945871 | 2470023.173849 |
| CHIMNEYROCKMINE05231 | 20.0 | 0.00 | 0.00 | 0.00 | 7000.00 | 14.0 | 5/23/2014 | 01:22:49pm | 1186113.576944 | 2470023.472170 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 13.0 | 5/23/2014 | 01:25:13pm | 1186170.629781 | 2470016.354112 |
| CHIMNEYROCKMINE05231 | 19.7 | 0.00 | 0.00 | 0.00 | 11000.00 | 14.0 | 5/23/2014 | 01:26:48pm | 1186221.168139 | 2470017.932320 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 2000.00 | 15.0 | 5/23/2014 | 01:29:10pm | 1186268.338655 | 2470017.956529 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 14.0 | 5/23/2014 | 01:31:09pm | 1186271.477742 | 2469965.296882 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 16.0 | 5/23/2014 | 01:32:59pm | 1186269.822482 | 2469921.748307 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 16.0 | 5/23/2014 | 01:35:18pm | 1186266.890511 | 2469872.932145 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 17.0 | 5/23/2014 | 01:36:41pm | 1186266.400837 | 2469821.794290 |



ATTACHMENT 2
SUBSURFACE SOIL GAS AND TEMPERATURE MEASUREMENTS

| Datafile | Sub O ₂ (%) | Sub CH ₄ (PPM) | Sub H ₂ S (PPM) | Sub CO (PPM) | Sub CO ₂ (PPM) | Temp (°C) | GPS_Date | GPS_Time | Northing | Easting |
|----------------------|---------------------------|------------------------------|-------------------------------|-----------------|------------------------------|--------------|-----------|------------|----------------|----------------|
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 15.0 | 5/23/2014 | 01:38:18pm | 1186271.823886 | 2469770.463020 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 16.0 | 5/23/2014 | 01:40:40pm | 1186268.568040 | 2469725.248018 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 17.0 | 5/23/2014 | 01:42:12pm | 1186266.244375 | 2469677.020906 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 14.0 | 5/23/2014 | 01:44:28pm | 1186320.587858 | 2469675.715654 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 14.0 | 5/23/2014 | 01:46:24pm | 1186321.845678 | 2469626.664334 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 15.0 | 5/23/2014 | 01:48:09pm | 1186270.152033 | 2469623.669034 |
| CHIMNEYROCKMINE05231 | 20.3 | 0.00 | 0.00 | 0.00 | 6000.00 | 14.0 | 5/23/2014 | 01:50:26pm | 1186279.099048 | 2469576.627413 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 3000.00 | 13.0 | 5/23/2014 | 01:52:49pm | 1186272.469021 | 2469534.141295 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 2000.00 | 14.0 | 5/23/2014 | 01:55:09pm | 1186277.420928 | 2469486.256790 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 13.0 | 5/23/2014 | 01:57:35pm | 1186220.685634 | 2469477.097812 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 14.0 | 5/23/2014 | 01:59:04pm | 1186172.270758 | 2469482.343961 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 12.0 | 5/23/2014 | 02:01:48pm | 1186133.661885 | 2469485.987756 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 13.0 | 5/23/2014 | 02:04:33pm | 1186126.304713 | 2469530.237105 |
| CHIMNEYROCKMINE05231 | 20.2 | 0.00 | 0.00 | 0.00 | 7000.00 | 14.0 | 5/23/2014 | 02:06:09pm | 1186176.075976 | 2469531.499826 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 13.0 | 5/23/2014 | 02:07:45pm | 1186229.587229 | 2469532.348407 |
| CHIMNEYROCKMINE05231 | 19.9 | 0.00 | 0.00 | 0.00 | 8000.00 | 15.0 | 5/23/2014 | 02:09:51pm | 1186221.544220 | 2469576.695001 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 12.0 | 5/23/2014 | 02:12:46pm | 1186167.069969 | 2469579.031862 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 3000.00 | 15.0 | 5/23/2014 | 02:14:25pm | 1186117.273120 | 2469587.724817 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 14.0 | 5/23/2014 | 02:16:29pm | 1186118.718578 | 2469626.781541 |
| CHIMNEYROCKMINE05231 | 20.5 | 0.00 | 0.00 | 0.00 | 4000.00 | 16.0 | 5/23/2014 | 02:18:21pm | 1186180.571014 | 2469623.058182 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 16.0 | 5/23/2014 | 02:20:05pm | 1186227.994080 | 2469638.455353 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 14.0 | 5/23/2014 | 02:21:44pm | 1186214.615666 | 2469676.392740 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 16.0 | 5/23/2014 | 02:23:16pm | 1186170.517744 | 2469659.816224 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 2000.00 | 18.0 | 5/27/2014 | 12:22:36pm | 1185777.308452 | 2469984.710826 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 18.0 | 5/27/2014 | 12:28:21pm | 1185830.860229 | 2469973.236295 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 18.0 | 5/27/2014 | 12:30:32pm | 1185884.253341 | 2469975.284534 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 5/27/2014 | 12:32:35pm | 1185930.329726 | 2469978.527472 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 17.0 | 5/27/2014 | 12:34:49pm | 1185976.772536 | 2469975.799751 |
| CHIMNEYROCKMINE05231 | 19.7 | 0.00 | 0.00 | 0.00 | 14000.00 | 19.0 | 5/27/2014 | 12:38:47pm | 1186029.926944 | 2469974.716243 |
| CHIMNEYROCKMINE05231 | 20.4 | 0.00 | 0.00 | 0.00 | 6000.00 | 20.0 | 5/27/2014 | 12:41:03pm | 1186074.006449 | 2469981.466495 |
| CHIMNEYROCKMINE05231 | 19.3 | 0.00 | 0.00 | 0.00 | 10000.00 | 18.0 | 5/27/2014 | 12:43:11pm | 1186114.427317 | 2469982.346620 |
| CHIMNEYROCKMINE05231 | 20.1 | 0.00 | 0.00 | 0.00 | 4000.00 | 19.0 | 5/27/2014 | 12:45:16pm | 1186175.080925 | 2469976.324651 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 20.0 | 5/27/2014 | 12:47:22pm | 1186220.807122 | 2469964.554891 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 5/27/2014 | 12:49:41pm | 1186214.718514 | 2469916.356114 |
| CHIMNEYROCKMINE05231 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 21.0 | 5/27/2014 | 12:52:24pm | 1186159.345174 | 2469915.087847 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 21.0 | 5/27/2014 | 12:55:16pm | 1186111.649945 | 2469915.340494 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 19.0 | 5/27/2014 | 12:57:47pm | 1186066.619311 | 2469919.915822 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 5/27/2014 | 01:00:03pm | 1186017.204683 | 2469928.358635 |
| CHIMNEYROCKMINE05231 | 20.6 | 0.00 | 0.00 | 0.00 | 3000.00 | 21.0 | 5/27/2014 | 01:02:22pm | 1185979.257359 | 2469934.503534 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 22.0 | 5/27/2014 | 01:04:49pm | 1185927.512538 | 2469928.632988 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 5/27/2014 | 01:07:42pm | 1185864.034225 | 2469933.188187 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 5/27/2014 | 01:10:56pm | 1185817.282153 | 2469931.910631 |
| CHIMNEYROCKMINE05231 | 20.5 | 0.00 | 0.00 | 0.00 | 1000.00 | 20.0 | 5/27/2014 | 01:17:10pm | 1185761.396440 | 2469929.046440 |

ATTACHMENT 2
SUBSURFACE SOIL GAS AND TEMPERATURE MEASUREMENTS

| Datafile | Sub O ₂ (%) | Sub CH ₄ (PPM) | Sub H ₂ S (PPM) | Sub CO (PPM) | Sub CO ₂ (PPM) | Temp (°C) | GPS_Date | GPS_Time | Northing | Easting |
|----------------------|---------------------------|------------------------------|-------------------------------|-----------------|------------------------------|--------------|-----------|------------|----------------|----------------|
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 21.0 | 5/27/2014 | 01:19:42pm | 1185725.213660 | 2469925.154222 |
| CHIMNEYROCKMINE05231 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 18.0 | 5/27/2014 | 01:23:30pm | 1185671.897062 | 2469926.332640 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 18.0 | 5/27/2014 | 01:28:40pm | 1185620.004205 | 2469879.613785 |
| CHIMNEYROCKMINE05231 | 20.4 | 0.00 | 0.00 | 0.00 | 2000.00 | 16.0 | 5/27/2014 | 01:31:24pm | 1185669.723425 | 2469882.653354 |
| CHIMNEYROCKMINE05231 | 20.4 | 0.00 | 0.00 | 0.00 | 4000.00 | 18.0 | 5/27/2014 | 01:34:46pm | 1185729.558331 | 2469881.340812 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 5/27/2014 | 01:38:21pm | 1185774.651118 | 2469880.643882 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 5/27/2014 | 01:41:00pm | 1185830.762776 | 2469884.071302 |
| CHIMNEYROCKMINE05231 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 5/27/2014 | 01:43:32pm | 1185877.441142 | 2469879.426969 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 5/27/2014 | 01:46:04pm | 1185925.389407 | 2469873.322664 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 18.0 | 5/27/2014 | 01:48:37pm | 1185978.710867 | 2469880.360597 |
| CHIMNEYROCKMINE05231 | 20.1 | 0.00 | 0.00 | 0.00 | 2000.00 | 18.0 | 5/27/2014 | 01:51:12pm | 1186029.830304 | 2469880.020380 |
| CHIMNEYROCKMINE05231 | 20.3 | 0.00 | 0.00 | 0.00 | 2000.00 | 18.0 | 5/27/2014 | 01:54:27pm | 1186074.918911 | 2469875.026046 |
| CHIMNEYROCKMINE05231 | 20.2 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 5/27/2014 | 01:57:37pm | 1186128.859572 | 2469875.248401 |
| CHIMNEYROCKMINE05231 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 5/27/2014 | 01:59:56pm | 1186174.573393 | 2469868.806490 |
| CHIMNEYROCKMINE05231 | 20.5 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 5/27/2014 | 02:02:12pm | 1186225.427794 | 2469874.769397 |
| CHIMNEYROCKMINE05231 | 20.3 | 0.00 | 0.00 | 0.00 | 3000.00 | 20.0 | 5/27/2014 | 02:04:45pm | 1186220.381780 | 2469823.067627 |
| CHIMNEYROCKMINE05231 | 20.5 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 5/27/2014 | 02:07:46pm | 1186223.253279 | 2469762.690760 |
| CHIMNEYROCKMINE05231 | 20.2 | 0.00 | 0.00 | 0.00 | 2000.00 | 18.0 | 5/27/2014 | 02:10:08pm | 1186212.779422 | 2469727.297892 |
| CHIMNEYROCKMINE05231 | 20.3 | 0.00 | 0.00 | 0.00 | 1000.00 | 18.0 | 5/27/2014 | 02:12:53pm | 1186174.974794 | 2469721.959826 |
| CHIMNEYROCKMINE05231 | 20.2 | 0.00 | 0.00 | 0.00 | 2000.00 | 15.0 | 5/27/2014 | 02:15:56pm | 1186182.739350 | 2469772.847837 |
| CHIMNEYROCKMINE05231 | 20.2 | 0.00 | 0.00 | 0.00 | 0.00 | 15.0 | 5/27/2014 | 02:20:03pm | 1186172.956195 | 2469821.075708 |
| CHIMNEYROCKMINE05231 | 20.3 | 0.00 | 0.00 | 0.00 | 0.00 | 15.0 | 5/27/2014 | 02:22:32pm | 1186128.066609 | 2469819.268097 |
| CHIMNEYROCKMINE05231 | 20.3 | 0.00 | 0.00 | 0.00 | 1000.00 | 18.0 | 5/27/2014 | 02:25:30pm | 1186072.451471 | 2469835.965061 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 5/27/2014 | 02:27:51pm | 1186022.289140 | 2469832.398376 |
| CHIMNEYROCKMINE05231 | 20.4 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 5/27/2014 | 02:29:57pm | 1185971.324465 | 2469835.490224 |
| CHIMNEYROCKMINE05231 | 20.1 | 0.00 | 0.00 | 0.00 | 1000.00 | 19.0 | 5/27/2014 | 02:32:25pm | 1185910.498288 | 2469832.628819 |
| CHIMNEYROCKMINE05231 | 20.2 | 0.00 | 0.00 | 0.00 | 1000.00 | 18.0 | 5/27/2014 | 02:35:30pm | 1185860.061097 | 2469821.324680 |
| CHIMNEYROCKMINE05231 | 20.2 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 5/27/2014 | 02:38:47pm | 1185812.501901 | 2469829.329023 |
| CHIMNEYROCKMINE05231 | 19.4 | 0.00 | 0.00 | 0.00 | 6000.00 | 19.0 | 5/27/2014 | 02:41:49pm | 1185760.829330 | 2469832.796398 |
| CHIMNEYROCKMINE05231 | 20.3 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 5/27/2014 | 02:44:06pm | 1185712.847995 | 2469835.343340 |
| CHIMNEYROCKMINE05231 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 5/27/2014 | 02:49:24pm | 1185670.259965 | 2469837.062241 |
| CHIMNEYROCKMINE05231 | 20.5 | 0.00 | 0.00 | 0.00 | 1000.00 | 19.0 | 5/27/2014 | 02:51:46pm | 1185624.370478 | 2469835.596177 |
| CHIMNEYROCKMINE05231 | 20.1 | 0.00 | 0.00 | 0.00 | 4000.00 | 19.0 | 5/27/2014 | 02:55:37pm | 1185624.765005 | 2469783.972893 |
| CHIMNEYROCKMINE05231 | 20.5 | 0.00 | 0.00 | 0.00 | 0.00 | 14.0 | 5/27/2014 | 02:58:48pm | 1185669.950967 | 2469778.536961 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 11.0 | 5/27/2014 | 03:02:00pm | 1185717.679002 | 2469787.925811 |
| CHIMNEYROCKMINE05231 | 29.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 11.0 | 5/27/2014 | 03:04:33pm | 1185776.155825 | 2469769.660721 |
| CHIMNEYROCKMINE05231 | 20.5 | 0.00 | 0.00 | 0.00 | 2000.00 | 8.0 | 5/27/2014 | 03:06:57pm | 1185829.157449 | 2469778.347539 |
| CHIMNEYROCKMINE05231 | 20.5 | 0.00 | 0.00 | 0.00 | 1000.00 | 12.0 | 5/27/2014 | 03:09:11pm | 1185877.048470 | 2469780.675036 |
| CHIMNEYROCKMINE05231 | 20.4 | 0.00 | 0.00 | 0.00 | 2000.00 | 15.0 | 5/27/2014 | 03:11:39pm | 1185927.522752 | 2469790.378583 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 15.0 | 5/27/2014 | 03:14:03pm | 1185977.947185 | 2469785.002248 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 5/27/2014 | 03:16:30pm | 1186029.199104 | 2469774.945656 |
| CHIMNEYROCKMINE05231 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 16.0 | 5/27/2014 | 03:18:52pm | 1186071.784347 | 2469771.250459 |
| CHIMNEYROCKMINE05231 | 20.5 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 5/27/2014 | 03:21:19pm | 1186127.382817 | 2469779.134820 |

ATTACHMENT 2
SUBSURFACE SOIL GAS AND TEMPERATURE MEASUREMENTS

| Datafile | Sub O ₂ (%) | Sub CH ₄ (PPM) | Sub H ₂ S (PPM) | Sub CO (PPM) | Sub CO ₂ (PPM) | Temp (°C) | GPS_Date | GPS_Time | Northing | Easting |
|----------------------|---------------------------|------------------------------|-------------------------------|-----------------|------------------------------|--------------|-----------|------------|----------------|----------------|
| CHIMNEYROCKMINE05231 | 20.5 | 0.00 | 0.00 | 0.00 | 1000.00 | 19.0 | 5/27/2014 | 03:23:59pm | 1186127.397272 | 2469720.732639 |
| CHIMNEYROCKMINE05231 | 20.1 | 0.00 | 0.00 | 0.00 | 2000.00 | 19.0 | 5/27/2014 | 03:26:18pm | 1186111.976710 | 2469678.065505 |
| CHIMNEYROCKMINE05231 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 10.0 | 5/27/2014 | 03:28:56pm | 1186070.661538 | 2469676.456222 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 18.0 | 5/27/2014 | 03:31:19pm | 1186065.640024 | 2469721.012625 |
| CHIMNEYROCKMINE05231 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 20.0 | 5/27/2014 | 03:36:23pm | 1186035.737607 | 2469726.688325 |
| CHIMNEYROCKMINE05231 | 20.0 | 0.00 | 0.00 | 0.00 | 3000.00 | 15.0 | 5/27/2014 | 03:39:05pm | 1186022.992297 | 2469678.186200 |
| CHIMNEYROCKMINE05231 | 20.2 | 0.00 | 0.00 | 0.00 | 1000.00 | 14.0 | 5/27/2014 | 03:41:44pm | 1185980.819374 | 2469679.519009 |
| CHIMNEYROCKMINE05231 | 20.5 | 0.00 | 0.00 | 0.00 | 2000.00 | 15.0 | 5/27/2014 | 03:45:01pm | 1185984.199303 | 2469732.157596 |
| CHIMNEYROCKMINE05231 | 18.7 | 0.00 | 0.00 | 0.00 | 12000.00 | 12.0 | 5/27/2014 | 03:47:10pm | 1185924.118391 | 2469732.374080 |
| CHIMNEYROCKMINE05231 | 20.4 | 0.00 | 0.00 | 0.00 | 2000.00 | 10.0 | 5/27/2014 | 03:49:26pm | 1185919.151750 | 2469682.841224 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 11.0 | 5/27/2014 | 03:52:14pm | 1185876.450471 | 2469683.868888 |
| CHIMNEYROCKMINE05231 | 19.4 | 0.00 | 0.00 | 0.00 | 8000.00 | 11.0 | 5/27/2014 | 03:54:33pm | 1185881.391113 | 2469725.521991 |
| CHIMNEYROCKMINE05231 | 18.0 | 0.00 | 0.00 | 0.00 | 14000.00 | 10.0 | 5/27/2014 | 03:57:26pm | 1185832.163544 | 2469730.660658 |
| CHIMNEYROCKMINE05231 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 10.0 | 5/27/2014 | 04:01:15pm | 1185823.569667 | 2469674.603508 |
| CHIMNEYROCKMINE05231 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 5/27/2014 | 04:03:54pm | 1185778.842557 | 2469676.660218 |
| CHIMNEYROCKMINE05231 | 19.7 | 0.00 | 0.00 | 0.00 | 7000.00 | 13.0 | 5/27/2014 | 04:06:36pm | 1185783.798742 | 2469726.451376 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 5000.00 | -1.0 | 5/30/2014 | 11:18:04am | 1234999.834240 | 2425380.079062 |
| COLUMBINEMINE_053014 | 20.6 | 0.00 | 0.00 | 0.00 | 3000.00 | 0.0 | 5/30/2014 | 11:21:47am | 1234993.995716 | 2425441.954657 |
| COLUMBINEMINE_053014 | 20.4 | 0.00 | 0.00 | 0.00 | 7000.00 | 0.0 | 5/30/2014 | 11:23:28am | 1234990.373113 | 2425481.691802 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 2000.00 | 0.0 | 5/30/2014 | 11:25:45am | 1234993.897272 | 2425523.648398 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | -1.0 | 5/30/2014 | 11:27:50am | 1235045.056617 | 2425521.111376 |
| COLUMBINEMINE_053014 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 5/30/2014 | 11:30:20am | 1235053.768556 | 2425493.082488 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 2000.00 | 0.0 | 5/30/2014 | 11:32:32am | 1235099.045442 | 2425527.306907 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 3.0 | 5/30/2014 | 11:34:26am | 1235149.267421 | 2425524.088840 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 6.0 | 5/30/2014 | 11:36:44am | 1235197.776655 | 2425571.131614 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 3000.00 | 7.0 | 5/30/2014 | 11:38:28am | 1235196.543827 | 2425610.149878 |
| COLUMBINEMINE_053014 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 6.0 | 5/30/2014 | 11:41:35am | 1235249.794836 | 2425623.607795 |
| COLUMBINEMINE_053014 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 6.0 | 5/30/2014 | 11:43:11am | 1235264.938410 | 2425644.347762 |
| COLUMBINEMINE_053014 | 20.5 | 0.00 | 0.00 | 0.00 | 6000.00 | 4.0 | 5/30/2014 | 11:45:31am | 1235294.042819 | 2425627.245251 |
| COLUMBINEMINE_053014 | 20.5 | 0.00 | 0.00 | 0.00 | 3000.00 | 4.0 | 5/30/2014 | 11:49:23am | 1235339.826035 | 2425629.481358 |
| COLUMBINEMINE_053014 | 20.6 | 0.00 | 0.00 | 0.00 | 2000.00 | 5.0 | 5/30/2014 | 11:52:20am | 1235411.389904 | 2425636.289201 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 4.0 | 5/30/2014 | 11:53:55am | 1235454.986017 | 2425624.584574 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 3000.00 | 4.0 | 5/30/2014 | 11:55:42am | 1235456.600796 | 2425584.990574 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 0.0 | 5/30/2014 | 11:57:03am | 1235414.352404 | 2425575.752457 |
| COLUMBINEMINE_053014 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 2.0 | 5/30/2014 | 11:59:29am | 1235360.336193 | 2425579.728412 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 2.0 | 5/30/2014 | 12:02:39pm | 1235314.923069 | 2425581.461274 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 5/30/2014 | 12:08:14pm | 1235246.546060 | 2425593.152751 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 5/30/2014 | 12:11:17pm | 1235202.571516 | 2425536.548012 |
| COLUMBINEMINE_053014 | 20.4 | 0.00 | 0.00 | 0.00 | 3.00 | 4000.0 | 5/30/2014 | 12:13:35pm | 1235258.625447 | 2425549.573338 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 4.0 | 5/30/2014 | 12:16:24pm | 1235313.847989 | 2425528.140805 |
| COLUMBINEMINE_053014 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 5/30/2014 | 12:18:16pm | 1235349.684633 | 2425535.128817 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 0.0 | 5/30/2014 | 12:20:05pm | 1235408.956863 | 2425529.970100 |
| COLUMBINEMINE_053014 | 20.6 | 0.00 | 0.00 | 0.00 | 2000.00 | 1.0 | 5/30/2014 | 12:22:02pm | 1235447.687335 | 2425511.416750 |



ATTACHMENT 2
SUBSURFACE SOIL GAS AND TEMPERATURE MEASUREMENTS

| Datafile | Sub O ₂ (%) | Sub CH ₄ (PPM) | Sub H ₂ S (PPM) | Sub CO (PPM) | Sub CO ₂ (PPM) | Temp (°C) | GPS_Date | GPS_Time | Northing | Easting |
|----------------------|---------------------------|------------------------------|-------------------------------|-----------------|------------------------------|--------------|-----------|------------|----------------|----------------|
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 1.0 | 5/30/2014 | 12:24:23pm | 1235438.001441 | 2425475.600176 |
| COLUMBINEMINE_053014 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 1.0 | 5/30/2014 | 12:26:42pm | 1235414.824820 | 2425485.680898 |
| COLUMBINEMINE_053014 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | -1.0 | 5/30/2014 | 12:29:15pm | 1235355.268266 | 2425483.940557 |
| COLUMBINEMINE_053014 | 20.6 | 0.00 | 0.00 | 0.00 | 3000.00 | 1.0 | 5/30/2014 | 12:31:39pm | 1235317.206033 | 2425476.922102 |
| COLUMBINEMINE_053014 | 20.6 | 0.00 | 0.00 | 0.00 | 2000.00 | -1.0 | 5/30/2014 | 12:34:12pm | 1235260.553449 | 2425468.364638 |
| COLUMBINEMINE_053014 | 20.6 | 0.00 | 0.00 | 0.00 | 2000.00 | -1.0 | 5/30/2014 | 12:36:57pm | 1235232.103519 | 2425484.283317 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 0.0 | 5/30/2014 | 12:40:38pm | 1235212.625205 | 2425485.171048 |
| COLUMBINEMINE_053014 | 20.2 | 0.00 | 0.00 | 0.00 | 5000.00 | 4.0 | 5/30/2014 | 12:43:15pm | 1235162.786460 | 2425486.540040 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 6.0 | 5/30/2014 | 12:45:35pm | 1235093.514084 | 2425474.471836 |
| COLUMBINEMINE_053014 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 5.0 | 5/30/2014 | 12:48:00pm | 1235056.572625 | 2425432.833866 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 6.0 | 5/30/2014 | 12:50:49pm | 1235042.799250 | 2425376.860959 |
| COLUMBINEMINE_053014 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 8.0 | 5/30/2014 | 12:52:37pm | 1235049.965618 | 2425321.921742 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 7.0 | 5/30/2014 | 12:54:14pm | 1235000.065779 | 2425311.046446 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 7.0 | 5/30/2014 | 12:55:49pm | 1234991.927329 | 2425276.130016 |
| COLUMBINEMINE_053014 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 8.0 | 5/30/2014 | 12:57:44pm | 1234996.957796 | 2425223.992462 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 6.0 | 5/30/2014 | 12:59:22pm | 1235003.916022 | 2425172.849678 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 4.0 | 5/30/2014 | 01:01:20pm | 1235060.384856 | 2425176.546033 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 1.0 | 5/30/2014 | 01:03:29pm | 1235037.448209 | 2425223.637138 |
| COLUMBINEMINE_053014 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 4.0 | 5/30/2014 | 01:05:41pm | 1235063.317836 | 2425275.914338 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 6.0 | 5/30/2014 | 01:07:41pm | 1235095.559307 | 2425283.974762 |
| COLUMBINEMINE_053014 | 20.6 | 0.00 | 0.00 | 0.00 | 4000.00 | 8.0 | 5/30/2014 | 01:10:07pm | 1235112.358694 | 2425337.841287 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 8.0 | 5/30/2014 | 01:12:08pm | 1235114.908082 | 2425378.011051 |
| COLUMBINEMINE_053014 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 4.0 | 5/30/2014 | 01:13:59pm | 1235111.686570 | 2425424.539070 |
| COLUMBINEMINE_053014 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 4.0 | 5/30/2014 | 01:16:01pm | 1235154.031694 | 2425422.896892 |
| COLUMBINEMINE_053014 | 20.4 | 0.00 | 0.00 | 0.00 | 5000.00 | 1.0 | 5/30/2014 | 01:18:00pm | 1235202.939297 | 2425419.953235 |
| COLUMBINEMINE_053014 | 20.6 | 0.00 | 0.00 | 0.00 | 4000.00 | 2.0 | 5/30/2014 | 01:20:03pm | 1235252.445369 | 2425429.520986 |
| COLUMBINEMINE_053014 | 20.5 | 0.00 | 0.00 | 0.00 | 3000.00 | 2.0 | 5/30/2014 | 01:21:59pm | 1235323.299070 | 2425432.159497 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 3.0 | 5/30/2014 | 01:24:01pm | 1235357.445619 | 2425422.171359 |
| COLUMBINEMINE_053014 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 1.0 | 5/30/2014 | 01:26:03pm | 1235409.600853 | 2425435.118197 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | -2.0 | 5/30/2014 | 01:28:16pm | 1235443.919276 | 2425443.686864 |
| COLUMBINEMINE_053014 | 20.3 | 0.00 | 0.00 | 0.00 | 5000.00 | 0.0 | 5/30/2014 | 01:31:11pm | 1235460.010334 | 2425368.540967 |
| COLUMBINEMINE_053014 | 20.5 | 0.00 | 0.00 | 0.00 | 4000.00 | 0.0 | 5/30/2014 | 01:33:18pm | 1235411.594032 | 2425377.393026 |
| COLUMBINEMINE_053014 | 20.5 | 0.00 | 0.00 | 0.00 | 3000.00 | 3.0 | 5/30/2014 | 01:35:21pm | 1235368.039341 | 2425364.881004 |
| COLUMBINEMINE_053014 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | -1.0 | 5/30/2014 | 01:37:54pm | 1235310.196119 | 2425379.249096 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 1.0 | 5/30/2014 | 01:39:50pm | 1235254.697310 | 2425361.210300 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 1.0 | 5/30/2014 | 01:42:37pm | 1235203.330385 | 2425376.653302 |
| COLUMBINEMINE_053014 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | -1.0 | 5/30/2014 | 01:44:38pm | 1235157.959703 | 2425382.835806 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 3.0 | 5/30/2014 | 01:48:51pm | 1235148.279175 | 2425320.714212 |
| COLUMBINEMINE_053014 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 6.0 | 5/30/2014 | 01:51:13pm | 1235218.654217 | 2425328.232427 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 5/30/2014 | 01:53:37pm | 1235268.596772 | 2425329.112567 |
| COLUMBINEMINE_053014 | 20.4 | 0.00 | 0.00 | 0.00 | 3000.00 | 0.0 | 5/30/2014 | 01:56:11pm | 1235305.648893 | 2425324.606024 |
| COLUMBINEMINE_053014 | 20.5 | 0.00 | 0.00 | 0.00 | 3000.00 | 5.0 | 5/30/2014 | 01:58:35pm | 1235359.425694 | 2425327.826569 |
| COLUMBINEMINE_053014 | 20.6 | 0.00 | 0.00 | 0.00 | 4000.00 | 4.0 | 5/30/2014 | 02:00:49pm | 1235418.735492 | 2425340.310769 |

ATTACHMENT 2
SUBSURFACE SOIL GAS AND TEMPERATURE MEASUREMENTS

| Datafile | Sub O ₂ (%) | Sub CH ₄ (PPM) | Sub H ₂ S (PPM) | Sub CO (PPM) | Sub CO ₂ (PPM) | Temp (°C) | GPS_Date | GPS_Time | Northing | Easting |
|----------------------|---------------------------|------------------------------|-------------------------------|-----------------|------------------------------|--------------|-----------|------------|----------------|----------------|
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 2.0 | 5/30/2014 | 02:03:20pm | 1235448.375863 | 2425329.196837 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 2.0 | 5/30/2014 | 02:05:18pm | 1235446.581307 | 2425277.137973 |
| COLUMBINEMINE_053014 | 20.3 | 0.00 | 0.00 | 0.00 | 4000.00 | 6.0 | 5/30/2014 | 02:07:56pm | 1235411.630163 | 2425279.455448 |
| COLUMBINEMINE_053014 | 20.5 | 0.00 | 0.00 | 0.00 | 3000.00 | 5.0 | 5/30/2014 | 02:09:59pm | 1235359.147930 | 2425276.472657 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 0.0 | 5/30/2014 | 02:12:15pm | 1235309.079507 | 2425270.861406 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 1.0 | 5/30/2014 | 02:14:17pm | 1235239.414013 | 2425285.088099 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 5000.00 | 0.0 | 5/30/2014 | 02:16:21pm | 1235194.372909 | 2425276.845428 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 2.0 | 5/30/2014 | 02:17:57pm | 1235166.620669 | 2425262.572912 |
| COLUMBINEMINE_053014 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 6.0 | 5/30/2014 | 02:21:06pm | 1235108.157789 | 2425223.183157 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 2000.00 | 6.0 | 5/30/2014 | 02:23:08pm | 1235143.100003 | 2425220.830783 |
| COLUMBINEMINE_053014 | 20.2 | 0.00 | 0.00 | 2.00 | 7000.00 | 3.0 | 5/30/2014 | 02:25:02pm | 1235198.166928 | 2425225.292707 |
| COLUMBINEMINE_053014 | 20.6 | 0.00 | 0.00 | 0.00 | 2000.00 | 6.0 | 5/30/2014 | 02:27:27pm | 1235267.137453 | 2425233.785075 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 6.0 | 5/30/2014 | 02:29:44pm | 1235305.830916 | 2425226.820237 |
| COLUMBINEMINE_053014 | 20.2 | 0.00 | 0.00 | 0.00 | 6000.00 | 4.0 | 5/30/2014 | 02:31:43pm | 1235365.758570 | 2425229.775868 |
| COLUMBINEMINE_053014 | 20.4 | 0.00 | 0.00 | 0.00 | 4000.00 | 3.0 | 5/30/2014 | 02:33:46pm | 1235410.386176 | 2425232.242589 |
| COLUMBINEMINE_053014 | 20.3 | 0.00 | 0.00 | 0.00 | 5000.00 | 4.0 | 5/30/2014 | 02:35:50pm | 1235452.612116 | 2425235.636978 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 4.0 | 5/30/2014 | 02:38:34pm | 1235454.639936 | 2425175.151282 |
| COLUMBINEMINE_053014 | 20.6 | 0.00 | 0.00 | 0.00 | 2000.00 | 4.0 | 5/30/2014 | 02:40:32pm | 1235406.000810 | 2425169.931291 |
| COLUMBINEMINE_053014 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 9.0 | 5/30/2014 | 02:42:40pm | 1235358.205143 | 2425173.321193 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 8.0 | 5/30/2014 | 02:44:22pm | 1235315.791543 | 2425173.780753 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 5/30/2014 | 02:46:55pm | 1235262.224025 | 2425188.028008 |
| COLUMBINEMINE_053014 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 6.0 | 5/30/2014 | 02:48:58pm | 1235197.081596 | 2425181.566480 |
| COLUMBINEMINE_053014 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 5/30/2014 | 02:50:55pm | 1235155.229275 | 2425171.229653 |
| COLUMBINEMINE_053014 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 5/30/2014 | 02:52:25pm | 1235108.267886 | 2425182.798948 |
| STOLSTIEMER_MINE_281 | 20.5 | 0.00 | 0.00 | 0.00 | 2000.00 | 2.0 | 5/28/2014 | 09:54:32am | 1185727.785503 | 2471591.143883 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 0.0 | 5/28/2014 | 09:58:54am | 1185721.700545 | 2471621.089378 |
| STOLSTIEMER_MINE_281 | 20.4 | 0.00 | 0.00 | 0.00 | 3000.00 | 11.0 | 5/28/2014 | 10:00:46am | 1185718.124904 | 2471665.065874 |
| STOLSTIEMER_MINE_281 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 11.0 | 5/28/2014 | 10:02:47am | 1185714.088042 | 2471712.014538 |
| STOLSTIEMER_MINE_281 | 20.5 | 0.00 | 0.00 | 0.00 | 2000.00 | 12.0 | 5/28/2014 | 10:04:45am | 1185711.008809 | 2471765.128980 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 2000.00 | 11.0 | 5/28/2014 | 10:07:02am | 1185724.962501 | 2471813.750322 |
| STOLSTIEMER_MINE_281 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 11.0 | 5/28/2014 | 10:09:46am | 1185708.522846 | 2471868.040086 |
| STOLSTIEMER_MINE_281 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 0.0 | 5/28/2014 | 10:12:00am | 1185717.044070 | 2471911.734709 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 2000.00 | 2.0 | 5/28/2014 | 10:14:44am | 1185709.812205 | 2471978.183480 |
| STOLSTIEMER_MINE_281 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 2.0 | 5/28/2014 | 10:17:15am | 1185719.301477 | 2472015.618846 |
| STOLSTIEMER_MINE_281 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 3.0 | 5/28/2014 | 10:19:20am | 1185781.695829 | 2472019.160196 |
| STOLSTIEMER_MINE_281 | 20.4 | 0.00 | 0.00 | 0.00 | 3000.00 | 3.0 | 5/28/2014 | 10:21:29am | 1185764.143125 | 2471973.230248 |
| STOLSTIEMER_MINE_281 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 9.0 | 5/28/2014 | 10:23:25am | 1185755.276085 | 2471930.670471 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 0.0 | 5/28/2014 | 10:26:40am | 1185770.431343 | 2471874.601641 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 1.0 | 5/28/2014 | 10:29:38am | 1185760.800769 | 2471817.898348 |
| STOLSTIEMER_MINE_281 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 1.0 | 5/28/2014 | 10:32:55am | 1185761.842199 | 2471785.688991 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 2000.00 | 2.0 | 5/28/2014 | 10:35:30am | 1185748.126478 | 2471735.384774 |
| STOLSTIEMER_MINE_281 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 2.0 | 5/28/2014 | 10:38:25am | 1185768.800086 | 2471677.624052 |
| STOLSTIEMER_MINE_281 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 5/28/2014 | 10:41:05am | 1185774.928824 | 2471621.473581 |



ATTACHMENT 2
SUBSURFACE SOIL GAS AND TEMPERATURE MEASUREMENTS

| Datafile | Sub O ₂ (%) | Sub CH ₄ (PPM) | Sub H ₂ S (PPM) | Sub CO (PPM) | Sub CO ₂ (PPM) | Temp (°C) | GPS_Date | GPS_Time | Northing | Easting |
|----------------------|---------------------------|------------------------------|-------------------------------|-----------------|------------------------------|--------------|-----------|------------|----------------|----------------|
| STOLSTIEMER_MINE_281 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 5.0 | 5/28/2014 | 10:44:21am | 1185788.661676 | 2471578.724410 |
| STOLSTIEMER_MINE_281 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 0.0 | 5/28/2014 | 10:47:00am | 1185826.772933 | 2471577.585857 |
| STOLSTIEMER_MINE_281 | 20.5 | 0.00 | 0.00 | 0.00 | 2000.00 | 5.0 | 5/28/2014 | 10:49:42am | 1185812.696123 | 2471616.691335 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 5.0 | 5/28/2014 | 10:52:13am | 1185821.032908 | 2471659.527742 |
| STOLSTIEMER_MINE_281 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 8.0 | 5/28/2014 | 10:54:32am | 1185806.892376 | 2471725.192062 |
| STOLSTIEMER_MINE_281 | 20.3 | 0.00 | 0.00 | 0.00 | 3000.00 | 5.0 | 5/28/2014 | 10:57:11am | 1185802.799662 | 2471781.050876 |
| STOLSTIEMER_MINE_281 | 20.5 | 0.00 | 0.00 | 0.00 | 2000.00 | 10.0 | 5/28/2014 | 11:00:36am | 1185825.370668 | 2471832.322723 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 11.0 | 5/28/2014 | 11:03:00am | 1185818.031461 | 2471882.129105 |
| STOLSTIEMER_MINE_281 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 0.0 | 5/28/2014 | 11:05:40am | 1185809.790894 | 2471934.861651 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 2.0 | 5/28/2014 | 11:09:44am | 1185830.181297 | 2471990.138441 |
| STOLSTIEMER_MINE_281 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 5/28/2014 | 11:13:40am | 1185834.301234 | 2472021.769310 |
| STOLSTIEMER_MINE_281 | 20.5 | 0.00 | 0.00 | 0.00 | 3000.00 | 2.0 | 5/28/2014 | 11:16:23am | 1185869.098411 | 2472029.507911 |
| STOLSTIEMER_MINE_281 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 10.0 | 5/28/2014 | 11:20:15am | 1185875.721813 | 2471983.825938 |
| STOLSTIEMER_MINE_281 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 8.0 | 5/28/2014 | 11:23:28am | 1185873.544075 | 2471927.119309 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 5.0 | 5/28/2014 | 11:27:22am | 1185879.807796 | 2471876.285730 |
| STOLSTIEMER_MINE_281 | 20.3 | 0.00 | 0.00 | 0.00 | 5000.00 | 0.0 | 5/28/2014 | 11:29:37am | 1185876.756809 | 2471840.353230 |
| STOLSTIEMER_MINE_281 | 20.3 | 0.00 | 0.00 | 0.00 | 2000.00 | 5.0 | 5/28/2014 | 11:32:25am | 1185876.402435 | 2471777.394140 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 5.0 | 5/28/2014 | 11:34:58am | 1185872.658820 | 2471716.553235 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 1.0 | 5/28/2014 | 11:37:21am | 1185876.527960 | 2471683.736782 |
| STOLSTIEMER_MINE_281 | 20.5 | 0.00 | 0.00 | 0.00 | 1000.00 | -1.0 | 5/28/2014 | 11:40:22am | 1185883.036559 | 2471619.372471 |
| STOLSTIEMER_MINE_281 | 20.4 | 0.00 | 0.00 | 0.00 | 1000.00 | 2.0 | 5/28/2014 | 11:42:54am | 1185879.040777 | 2471579.344976 |
| STOLSTIEMER_MINE_281 | 20.4 | 0.00 | 0.00 | 0.00 | 2000.00 | 5.0 | 5/28/2014 | 11:45:45am | 1185924.385388 | 2471572.804001 |
| STOLSTIEMER_MINE_281 | 20.3 | 0.00 | 0.00 | 0.00 | 1000.00 | 5.0 | 5/28/2014 | 11:48:45am | 1185926.975104 | 2471627.849684 |
| STOLSTIEMER_MINE_281 | 20.2 | 0.00 | 0.00 | 0.00 | 1000.00 | 5.0 | 5/28/2014 | 11:52:35am | 1185919.880853 | 2471689.511297 |
| STOLSTIEMER_MINE_281 | 20.3 | 0.00 | 0.00 | 0.00 | 2000.00 | 5.0 | 5/28/2014 | 11:55:03am | 1185936.770645 | 2471726.256768 |
| STOLSTIEMER_MINE_281 | 20.4 | 0.00 | 0.00 | 0.00 | 1000.00 | 8.0 | 5/28/2014 | 11:57:54am | 1185929.285559 | 2471766.985049 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 10.0 | 5/28/2014 | 12:01:53pm | 1185917.842812 | 2471835.844017 |
| STOLSTIEMER_MINE_281 | 20.1 | 0.00 | 0.00 | 0.00 | 0.00 | 10.0 | 5/28/2014 | 12:05:26pm | 1185927.987679 | 2471874.302407 |
| STOLSTIEMER_MINE_281 | 20.3 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 5/28/2014 | 12:07:46pm | 1185921.974793 | 2471919.423616 |
| STOLSTIEMER_MINE_281 | 20.5 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 5/28/2014 | 12:10:49pm | 1185911.027300 | 2471971.157003 |
| STOLSTIEMER_MINE_281 | 20.4 | 0.00 | 0.00 | 0.00 | 0.00 | 10.0 | 5/28/2014 | 12:13:36pm | 1185919.537225 | 2472023.846378 |
| STOLSTIEMER_MINE_281 | 20.4 | 0.00 | 0.00 | 0.00 | 1000.00 | 2.0 | 5/28/2014 | 12:15:59pm | 1185967.056145 | 2472029.536883 |
| STOLSTIEMER_MINE_281 | 20.5 | 0.00 | 0.00 | 0.00 | 1000.00 | 8.0 | 5/28/2014 | 12:19:26pm | 1185974.235858 | 2471967.163183 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 10.0 | 5/28/2014 | 12:22:10pm | 1185955.057310 | 2471932.037517 |
| STOLSTIEMER_MINE_281 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 5/28/2014 | 12:25:11pm | 1185961.651642 | 2471880.253388 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 4.0 | 5/28/2014 | 12:28:06pm | 1185965.865017 | 2471816.581359 |
| STOLSTIEMER_MINE_281 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 5/28/2014 | 12:30:50pm | 1185981.828397 | 2471770.287807 |
| STOLSTIEMER_MINE_281 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 9.0 | 5/28/2014 | 12:32:51pm | 1185977.684341 | 2471725.580780 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 10.0 | 5/28/2014 | 12:34:59pm | 1185964.918318 | 2471676.418930 |
| STOLSTIEMER_MINE_281 | 20.4 | 0.00 | 0.00 | 0.00 | 2000.00 | 11.0 | 5/28/2014 | 12:37:19pm | 1185974.105447 | 2471640.495877 |
| STOLSTIEMER_MINE_281 | 20.5 | 0.00 | 0.00 | 0.00 | 1000.00 | 10.0 | 5/28/2014 | 12:40:25pm | 1185967.379876 | 2471577.622802 |
| STOLSTIEMER_MINE_281 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 5/28/2014 | 12:43:48pm | 1186022.774352 | 2471591.390865 |
| STOLSTIEMER_MINE_281 | 20.4 | 0.00 | 0.00 | 0.00 | 1000.00 | 5.0 | 5/28/2014 | 12:48:16pm | 1186014.459756 | 2471613.000430 |

ATTACHMENT 2
SUBSURFACE SOIL GAS AND TEMPERATURE MEASUREMENTS

| Datafile | Sub O ₂ (%) | Sub CH ₄ (PPM) | Sub H ₂ S (PPM) | Sub CO (PPM) | Sub CO ₂ (PPM) | Temp (°C) | GPS_Date | GPS_Time | Northing | Easting |
|----------------------|---------------------------|------------------------------|-------------------------------|-----------------|------------------------------|--------------|-----------|------------|----------------|----------------|
| STOLSTIEMER_MINE_281 | 20.5 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 5/28/2014 | 12:50:53pm | 1186021.594145 | 2471639.205451 |
| STOLSTIEMER_MINE_281 | 20.4 | 0.00 | 0.00 | 0.00 | 2000.00 | 10.0 | 5/28/2014 | 12:52:47pm | 1186017.703335 | 2471675.296050 |
| STOLSTIEMER_MINE_281 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 10.0 | 5/28/2014 | 12:55:07pm | 1186014.580656 | 2471715.323299 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 5/28/2014 | 12:57:20pm | 1186025.467593 | 2471768.046596 |
| STOLSTIEMER_MINE_281 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 12.0 | 5/28/2014 | 01:01:38pm | 1186023.488557 | 2471823.144980 |
| STOLSTIEMER_MINE_281 | 20.5 | 0.00 | 0.00 | 0.00 | 0.00 | 13.0 | 5/28/2014 | 01:04:04pm | 1185991.071038 | 2471875.024212 |
| STOLSTIEMER_MINE_281 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 10.0 | 5/28/2014 | 01:06:19pm | 1186017.095382 | 2471877.457218 |
| STOLSTIEMER_MINE_281 | 19.9 | 0.00 | 0.00 | 0.00 | 0.00 | 10.0 | 5/28/2014 | 01:08:24pm | 1186049.270275 | 2471884.463454 |
| STOLSTIEMER_MINE_281 | 20.3 | 0.00 | 0.00 | 0.00 | 2000.00 | 10.0 | 5/28/2014 | 01:10:53pm | 1186076.660206 | 2471878.267252 |
| STOLSTIEMER_MINE_281 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 10.0 | 5/28/2014 | 01:13:14pm | 1186097.842165 | 2471878.867818 |
| STOLSTIEMER_MINE_281 | 20.4 | 0.00 | 0.00 | 0.00 | 0.00 | 12.0 | 5/28/2014 | 01:15:02pm | 1186133.633330 | 2471886.602268 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 10.0 | 5/28/2014 | 01:17:51pm | 1186174.285783 | 2471893.673924 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 0.0 | 5/28/2014 | 01:20:04pm | 1186168.620241 | 2471941.452540 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 10.0 | 5/28/2014 | 01:21:49pm | 1186178.682179 | 2471988.099152 |
| STOLSTIEMER_MINE_281 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 10.0 | 5/28/2014 | 01:23:39pm | 1186172.468701 | 2472034.142904 |
| STOLSTIEMER_MINE_281 | 20.5 | 0.00 | 0.00 | 0.00 | 1000.00 | 8.0 | 5/28/2014 | 01:26:02pm | 1186120.542266 | 2472030.890385 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 5.0 | 5/28/2014 | 01:28:36pm | 1186085.719811 | 2472024.746295 |
| STOLSTIEMER_MINE_281 | 20.4 | 0.00 | 0.00 | 0.00 | 0.00 | 10.0 | 5/28/2014 | 01:31:16pm | 1186026.222974 | 2472025.164708 |
| STOLSTIEMER_MINE_281 | 20.5 | 0.00 | 0.00 | 0.00 | 1000.00 | 11.0 | 5/28/2014 | 01:34:21pm | 1186024.652756 | 2471982.831819 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 10.0 | 5/28/2014 | 01:37:22pm | 1186085.180355 | 2471983.313036 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 10.0 | 5/28/2014 | 01:39:01pm | 1186117.526154 | 2471993.961891 |
| STOLSTIEMER_MINE_281 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 5/28/2014 | 01:41:32pm | 1186113.337037 | 2471937.084550 |
| STOLSTIEMER_MINE_281 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 12.0 | 5/28/2014 | 01:43:17pm | 1186073.554874 | 2471931.623708 |
| STOLSTIEMER_MINE_281 | 20.4 | 0.00 | 0.00 | 0.00 | 1000.00 | 11.0 | 5/28/2014 | 01:46:07pm | 1186008.744318 | 2471926.999697 |
| STOLSTIEMER_MINE_281 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 5/28/2014 | 01:49:53pm | 1186069.566296 | 2471830.753522 |
| STOLSTIEMER_MINE_281 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 21.0 | 5/28/2014 | 01:51:38pm | 1186116.842891 | 2471826.305223 |
| STOLSTIEMER_MINE_281 | 20.4 | 0.00 | 0.00 | 0.00 | 0.00 | 20.0 | 5/28/2014 | 01:54:38pm | 1186174.012153 | 2471832.396472 |
| STOLSTIEMER_MINE_281 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 12.0 | 5/28/2014 | 01:56:59pm | 1186178.470335 | 2471790.880614 |
| STOLSTIEMER_MINE_281 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 10.0 | 5/28/2014 | 01:58:58pm | 1186121.194333 | 2471783.509168 |
| STOLSTIEMER_MINE_281 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 21.0 | 5/28/2014 | 02:01:03pm | 1186057.399319 | 2471766.833142 |
| STOLSTIEMER_MINE_281 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 5/28/2014 | 02:03:14pm | 1186068.982960 | 2471723.974128 |
| STOLSTIEMER_MINE_281 | 20.5 | 0.00 | 0.00 | 0.00 | 0.00 | 20.0 | 5/28/2014 | 02:05:38pm | 1186127.454958 | 2471731.951089 |
| STOLSTIEMER_MINE_281 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 6.0 | 5/28/2014 | 02:07:40pm | 1186171.719524 | 2471730.825948 |
| STOLSTIEMER_MINE_281 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 11.0 | 5/28/2014 | 02:10:49pm | 1186165.461927 | 2471673.239861 |
| STOLSTIEMER_MINE_281 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 12.0 | 5/28/2014 | 02:12:52pm | 1186131.014556 | 2471680.053574 |
| STOLSTIEMER_MINE_281 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 21.0 | 5/28/2014 | 02:14:42pm | 1186075.639651 | 2471659.039479 |
| STOLSTIEMER_MINE_281 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 21.0 | 5/28/2014 | 02:16:16pm | 1186069.440240 | 2471620.482635 |
| STOLSTIEMER_MINE_281 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 20.0 | 5/28/2014 | 02:17:20pm | 1186113.074071 | 2471636.167177 |
| STOLSTIEMER_MINE_281 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 5/28/2014 | 02:20:23pm | 1186181.885226 | 2471630.621161 |
| STOLSTIEMER_MINE_281 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 15.0 | 5/28/2014 | 02:22:53pm | 1186150.486182 | 2471571.967409 |
| STOLSTIEMER_MINE_281 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 15.0 | 5/28/2014 | 02:25:01pm | 1186116.098349 | 2471572.057727 |
| STOLSTIEMER_MINE_281 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 12.0 | 5/28/2014 | 02:28:00pm | 1186064.826116 | 2471578.854715 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 10.0 | 5/29/2014 | 09:31:18am | 1229379.595919 | 2432100.951807 |

ATTACHMENT 2
SUBSURFACE SOIL GAS AND TEMPERATURE MEASUREMENTS

| Datafile | Sub O ₂ (%) | Sub CH ₄ (PPM) | Sub H ₂ S (PPM) | Sub CO (PPM) | Sub CO ₂ (PPM) | Temp (°C) | GPS_Date | GPS_Time | Northing | Easting |
|----------------------|---------------------------|------------------------------|-------------------------------|-----------------|------------------------------|--------------|-----------|------------|----------------|----------------|
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 11.0 | 5/29/2014 | 09:33:26am | 1229378.778903 | 2432053.513142 |
| TRIPPLES_MINE_052914 | 20.6 | 0.00 | 0.00 | 0.00 | 2000.00 | 0.0 | 5/29/2014 | 09:35:32am | 1229437.606651 | 2432057.238623 |
| TRIPPLES_MINE_052914 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 4.0 | 5/29/2014 | 09:37:39am | 1229427.989155 | 2432106.227518 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 5.0 | 5/29/2014 | 09:39:45am | 1229427.194181 | 2432160.168026 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 3.0 | 5/29/2014 | 09:42:25am | 1229419.634764 | 2432199.003622 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 2.0 | 5/29/2014 | 09:44:33am | 1229428.939570 | 2432259.613911 |
| TRIPPLES_MINE_052914 | 20.5 | 0.00 | 0.00 | 0.00 | 4000.00 | 2.0 | 5/29/2014 | 09:46:26am | 1229415.543975 | 2432312.230462 |
| TRIPPLES_MINE_052914 | 20.5 | 0.00 | 0.00 | 0.00 | 0.00 | 1.0 | 5/29/2014 | 09:48:47am | 1229418.598322 | 2432360.318656 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 3.0 | 5/29/2014 | 09:51:11am | 1229418.283638 | 2432410.130575 |
| TRIPPLES_MINE_052914 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 5/29/2014 | 09:53:08am | 1229425.213455 | 2432453.582333 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 7.0 | 5/29/2014 | 09:55:32am | 1229429.536167 | 2432504.547719 |
| TRIPPLES_MINE_052914 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 9.0 | 5/29/2014 | 09:58:35am | 1229367.651697 | 2432492.589915 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 8.0 | 5/29/2014 | 09:59:43am | 1229377.228061 | 2432453.653456 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 4.0 | 5/29/2014 | 10:01:45am | 1229363.774423 | 2432406.747302 |
| TRIPPLES_MINE_052914 | 20.6 | 0.00 | 0.00 | 0.00 | 3000.00 | 6.0 | 5/29/2014 | 10:06:11am | 1229379.707822 | 2432363.178639 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 4.0 | 5/29/2014 | 10:09:11am | 1229372.137554 | 2432312.393832 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 7.0 | 5/29/2014 | 10:11:23am | 1229377.871527 | 2432266.634848 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 0.0 | 5/29/2014 | 10:13:57am | 1229376.697390 | 2432209.114642 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 6.0 | 5/29/2014 | 10:16:40am | 1229376.612144 | 2432150.566450 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 5.0 | 5/29/2014 | 10:20:02am | 1229339.774477 | 2432168.405838 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 5/29/2014 | 10:21:47am | 1229321.764118 | 2432202.415499 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 9.0 | 5/29/2014 | 10:24:01am | 1229318.719185 | 2432265.306167 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 7.0 | 5/29/2014 | 10:26:04am | 1229312.909776 | 2432329.550032 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 3.0 | 5/29/2014 | 10:28:49am | 1229320.680717 | 2432380.005674 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 1.0 | 5/29/2014 | 10:30:49am | 1229334.143772 | 2432416.973682 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 4.0 | 5/29/2014 | 10:33:09am | 1229322.948667 | 2432457.269113 |
| TRIPPLES_MINE_052914 | 20.5 | 0.00 | 0.00 | 0.00 | 3000.00 | 3.0 | 5/29/2014 | 10:34:57am | 1229320.740145 | 2432513.617062 |
| TRIPPLES_MINE_052914 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 9.0 | 5/29/2014 | 10:37:30am | 1229268.963742 | 2432517.888604 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 10.0 | 5/29/2014 | 10:39:05am | 1229267.631533 | 2432461.767560 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 9.0 | 5/29/2014 | 10:40:37am | 1229274.744355 | 2432410.638049 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 2.0 | 5/29/2014 | 10:42:23am | 1229274.725321 | 2432366.316145 |
| TRIPPLES_MINE_052914 | 20.2 | 0.00 | 0.00 | 0.00 | 4000.00 | 0.0 | 5/29/2014 | 10:44:31am | 1229261.193459 | 2432330.615480 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 8.0 | 5/29/2014 | 10:47:06am | 1229276.659826 | 2432263.303109 |
| TRIPPLES_MINE_052914 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 12.0 | 5/29/2014 | 10:49:33am | 1229280.234209 | 2432214.736765 |
| TRIPPLES_MINE_052914 | 20.6 | 0.00 | 0.00 | 0.00 | 2000.00 | 14.0 | 5/29/2014 | 10:51:48am | 1229282.310417 | 2432166.062951 |
| TRIPPLES_MINE_052914 | 20.3 | 0.00 | 0.00 | 0.00 | 3000.00 | 8.0 | 5/29/2014 | 10:54:03am | 1229262.186620 | 2432121.988185 |
| TRIPPLES_MINE_052914 | 20.5 | 0.00 | 0.00 | 0.00 | 4000.00 | 10.0 | 5/29/2014 | 10:57:07am | 1229321.729459 | 2432111.573741 |
| TRIPPLES_MINE_052914 | 20.6 | 0.00 | 0.00 | 0.00 | 3000.00 | 9.0 | 5/29/2014 | 10:59:26am | 1229318.907851 | 2432054.438249 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 8.0 | 5/29/2014 | 11:02:09am | 1229278.609083 | 2432061.395201 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 9.0 | 5/29/2014 | 11:04:28am | 1229228.303620 | 2432064.475803 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 9.0 | 5/29/2014 | 11:06:16am | 1229185.297229 | 2432056.349182 |
| TRIPPLES_MINE_052914 | 20.6 | 0.00 | 0.00 | 0.00 | 3000.00 | 10.0 | 5/29/2014 | 11:10:14am | 1229118.222094 | 2432063.002134 |
| TRIPPLES_MINE_052914 | 20.6 | 0.00 | 0.00 | 0.00 | 2000.00 | 5.0 | 5/29/2014 | 11:13:08am | 1229075.406729 | 2432057.379144 |



ATTACHMENT 2
SUBSURFACE SOIL GAS AND TEMPERATURE MEASUREMENTS

| Datafile | Sub O ₂ (%) | Sub CH ₄ (PPM) | Sub H ₂ S (PPM) | Sub CO (PPM) | Sub CO ₂ (PPM) | Temp (°C) | GPS_Date | GPS_Time | Northing | Easting |
|----------------------|---------------------------|------------------------------|-------------------------------|-----------------|------------------------------|--------------|-----------|------------|----------------|----------------|
| TRIPPLES_MINE_052914 | 20.6 | 0.00 | 0.00 | 0.00 | 2000.00 | 0.0 | 5/29/2014 | 11:16:44am | 1229037.830750 | 2432067.632811 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 1.0 | 5/29/2014 | 11:20:30am | 1228992.408350 | 2432066.588190 |
| TRIPPLES_MINE_052914 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 4.0 | 5/29/2014 | 11:24:02am | 1228973.817784 | 2432115.091072 |
| TRIPPLES_MINE_052914 | 20.6 | 0.00 | 0.00 | 0.00 | 2000.00 | 2.0 | 5/29/2014 | 11:26:45am | 1228981.074335 | 2432160.857577 |
| TRIPPLES_MINE_052914 | 20.6 | 0.00 | 0.00 | 0.00 | 2000.00 | -2.0 | 5/29/2014 | 11:28:52am | 1228991.113270 | 2432217.524065 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 1.0 | 5/29/2014 | 11:32:51am | 1228974.934189 | 2432273.688925 |
| TRIPPLES_MINE_052914 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 4.0 | 5/29/2014 | 11:35:25am | 1228984.045723 | 2432306.843285 |
| TRIPPLES_MINE_052914 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 4.0 | 5/29/2014 | 11:37:56am | 1229002.341773 | 2432364.468156 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 5.0 | 5/29/2014 | 11:40:25am | 1228983.042671 | 2432404.917962 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 1.0 | 5/29/2014 | 11:43:53am | 1228996.875068 | 2432464.378450 |
| TRIPPLES_MINE_052914 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 5/29/2014 | 11:49:17am | 1229000.749549 | 2432523.335426 |
| TRIPPLES_MINE_052914 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 5/29/2014 | 11:51:48am | 1229041.396157 | 2432520.154968 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 2.0 | 5/29/2014 | 11:55:09am | 1229070.776033 | 2432512.701129 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 2.0 | 5/29/2014 | 11:58:26am | 1229142.097117 | 2432521.930339 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 0.0 | 5/29/2014 | 12:00:44pm | 1229171.661735 | 2432508.247118 |
| TRIPPLES_MINE_052914 | 20.6 | 0.00 | 0.00 | 0.00 | 2000.00 | 4.0 | 5/29/2014 | 12:03:20pm | 1229228.455424 | 2432524.462573 |
| TRIPPLES_MINE_052914 | 20.6 | 0.00 | 0.00 | 0.00 | 1000.00 | 0.0 | 5/29/2014 | 12:06:27pm | 1229228.389592 | 2432488.710364 |
| TRIPPLES_MINE_052914 | 20.2 | 0.00 | 0.00 | 0.00 | 4000.00 | 2.0 | 5/29/2014 | 12:11:26pm | 1229218.524473 | 2432403.808937 |
| TRIPPLES_MINE_052914 | 20.5 | 0.00 | 0.00 | 0.00 | 1000.00 | 2.0 | 5/29/2014 | 12:13:40pm | 1229228.811404 | 2432362.119923 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 8.0 | 5/29/2014 | 12:15:25pm | 1229231.020311 | 2432313.965154 |
| TRIPPLES_MINE_052914 | 20.5 | 0.00 | 0.00 | 0.00 | 4000.00 | 11.0 | 5/29/2014 | 12:17:10pm | 1229226.830545 | 2432271.787185 |
| TRIPPLES_MINE_052914 | 20.4 | 0.00 | 0.00 | 0.00 | 5000.00 | -2.0 | 5/29/2014 | 12:19:30pm | 1229227.798270 | 2432206.437805 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 3000.00 | 11.0 | 5/29/2014 | 12:22:10pm | 1229235.789290 | 2432164.827241 |
| TRIPPLES_MINE_052914 | 20.5 | 0.00 | 0.00 | 0.00 | 2000.00 | 11.0 | 5/29/2014 | 12:24:48pm | 1229217.604632 | 2432103.945946 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 5/29/2014 | 12:26:50pm | 1229183.235672 | 2432111.160154 |
| TRIPPLES_MINE_052914 | 20.4 | 0.00 | 0.00 | 0.00 | 4000.00 | 0.0 | 5/29/2014 | 12:29:17pm | 1229120.572016 | 2432101.786630 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 4.0 | 5/29/2014 | 12:32:41pm | 1229071.386246 | 2432119.500850 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 4.0 | 5/29/2014 | 12:35:05pm | 1229037.608826 | 2432120.607999 |
| TRIPPLES_MINE_052914 | 20.5 | 0.00 | 0.00 | 0.00 | 1000.00 | 1.0 | 5/29/2014 | 12:39:09pm | 1229029.043178 | 2432191.788889 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 4.0 | 5/29/2014 | 12:42:42pm | 1229037.178372 | 2432218.095194 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 2.0 | 5/29/2014 | 12:44:53pm | 1229017.582950 | 2432266.826646 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 1.0 | 5/29/2014 | 12:47:00pm | 1229019.557740 | 2432313.248556 |
| TRIPPLES_MINE_052914 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 5/29/2014 | 12:49:30pm | 1229011.920229 | 2432356.824893 |
| TRIPPLES_MINE_052914 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 5/29/2014 | 12:52:06pm | 1229026.395326 | 2432409.223327 |
| TRIPPLES_MINE_052914 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 5/29/2014 | 12:54:47pm | 1229065.016352 | 2432401.605793 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 5/29/2014 | 12:58:43pm | 1229061.269691 | 2432365.651364 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 0.0 | 5/29/2014 | 01:02:54pm | 1229073.389658 | 2432468.040941 |
| TRIPPLES_MINE_052914 | 20.6 | 0.00 | 0.00 | 0.00 | 2000.00 | 2.0 | 5/29/2014 | 01:05:14pm | 1229103.101337 | 2432448.925654 |
| TRIPPLES_MINE_052914 | 20.5 | 0.00 | 0.00 | 0.00 | 1000.00 | 0.0 | 5/29/2014 | 01:08:06pm | 1229172.583412 | 2432467.259842 |
| TRIPPLES_MINE_052914 | 20.6 | 0.00 | 0.00 | 0.00 | 3000.00 | 3.0 | 5/29/2014 | 01:10:00pm | 1229182.508865 | 2432420.561633 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | -1.0 | 5/29/2014 | 01:12:33pm | 1229188.100184 | 2432369.481871 |
| TRIPPLES_MINE_052914 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | -1.0 | 5/29/2014 | 01:14:26pm | 1229165.511921 | 2432312.588069 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 0.0 | 5/29/2014 | 01:16:55pm | 1229163.961978 | 2432262.944740 |



ATTACHMENT 2
SUBSURFACE SOIL GAS AND TEMPERATURE MEASUREMENTS

| Datafile | Sub O ₂ (%) | Sub CH ₄ (PPM) | Sub H ₂ S (PPM) | Sub CO (PPM) | Sub CO ₂ (PPM) | Temp (°C) | GPS_Date | GPS_Time | Northing | Easting |
|----------------------|---------------------------|------------------------------|-------------------------------|-----------------|------------------------------|--------------|-----------|------------|----------------|----------------|
| TRIPPLES_MINE_052914 | 20.4 | 0.00 | 0.00 | 0.00 | 4000.00 | -1.0 | 5/29/2014 | 01:18:53pm | 1229158.078126 | 2432214.875547 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 2.0 | 5/29/2014 | 01:20:52pm | 1229165.093033 | 2432163.705076 |
| TRIPPLES_MINE_052914 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 5/29/2014 | 01:22:49pm | 1229123.612397 | 2432175.178088 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 6.0 | 5/29/2014 | 01:24:59pm | 1229068.928500 | 2432171.534511 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 5.0 | 5/29/2014 | 01:27:07pm | 1229090.631046 | 2432213.495925 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 2000.00 | 6.0 | 5/29/2014 | 01:28:59pm | 1229074.343467 | 2432264.054202 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 1000.00 | 6.0 | 5/29/2014 | 01:31:30pm | 1229082.326085 | 2432327.119242 |
| TRIPPLES_MINE_052914 | 20.9 | 0.00 | 0.00 | 0.00 | 1000.00 | 2.0 | 5/29/2014 | 01:33:56pm | 1229102.785321 | 2432352.363526 |
| TRIPPLES_MINE_052914 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | -2.0 | 5/29/2014 | 01:36:16pm | 1229121.714070 | 2432412.751399 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 6.0 | 5/29/2014 | 01:41:21pm | 1229123.146920 | 2432321.135200 |
| TRIPPLES_MINE_052914 | 20.7 | 0.00 | 0.00 | 0.00 | 1000.00 | 5.0 | 5/29/2014 | 01:43:48pm | 1229120.652044 | 2432252.124161 |
| TRIPPLES_MINE_052914 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 6.0 | 5/29/2014 | 01:48:13pm | 1229115.133093 | 2432216.344496 |

Notes:

CH₄ - methane

O₂ - oxygen

CO - carbon monoxide

° - degree

ppm - parts per million

H₂S - hydrogen sulfide

CO₂ - carbon dioxide

C - Celsius