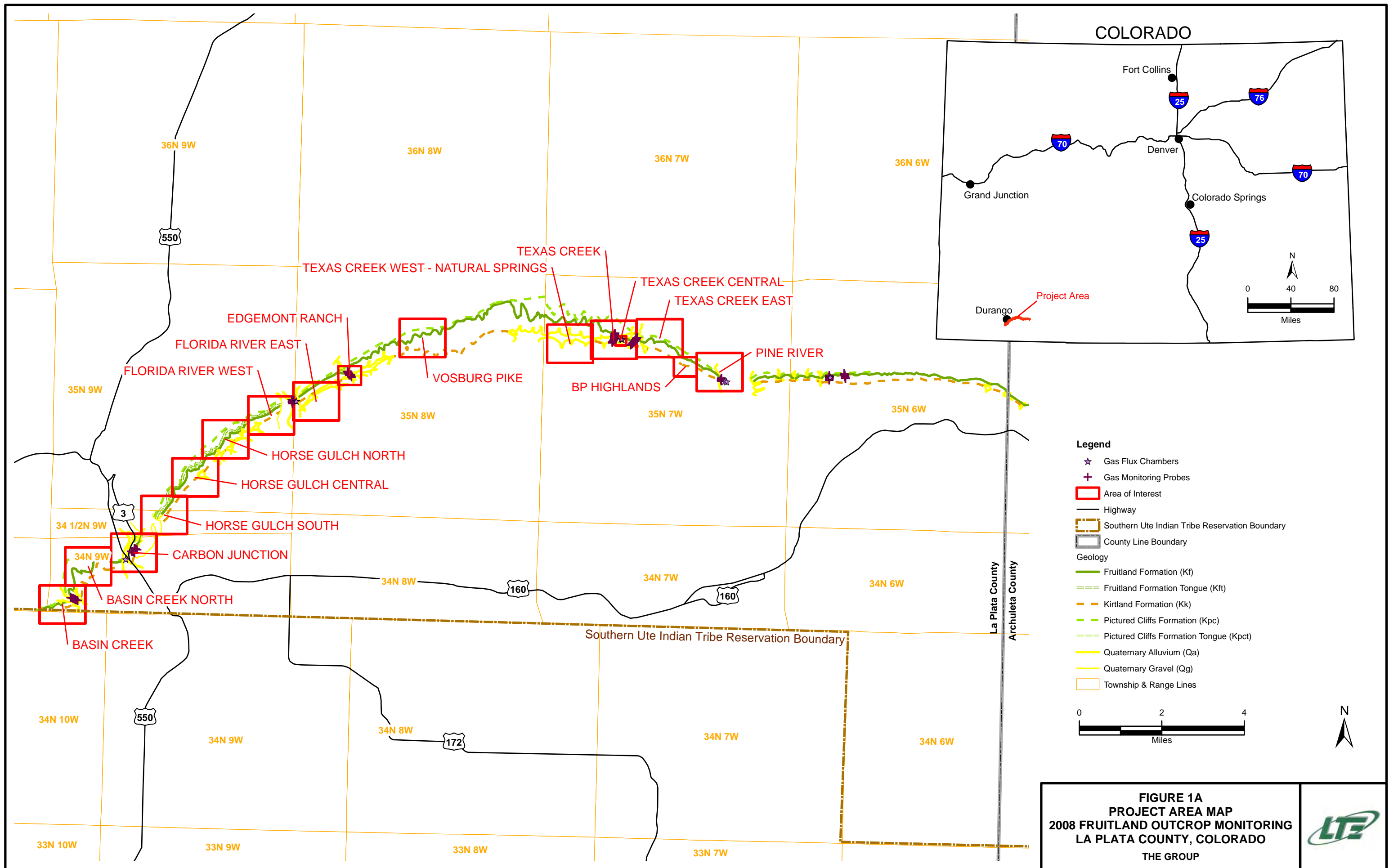


FIGURES





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



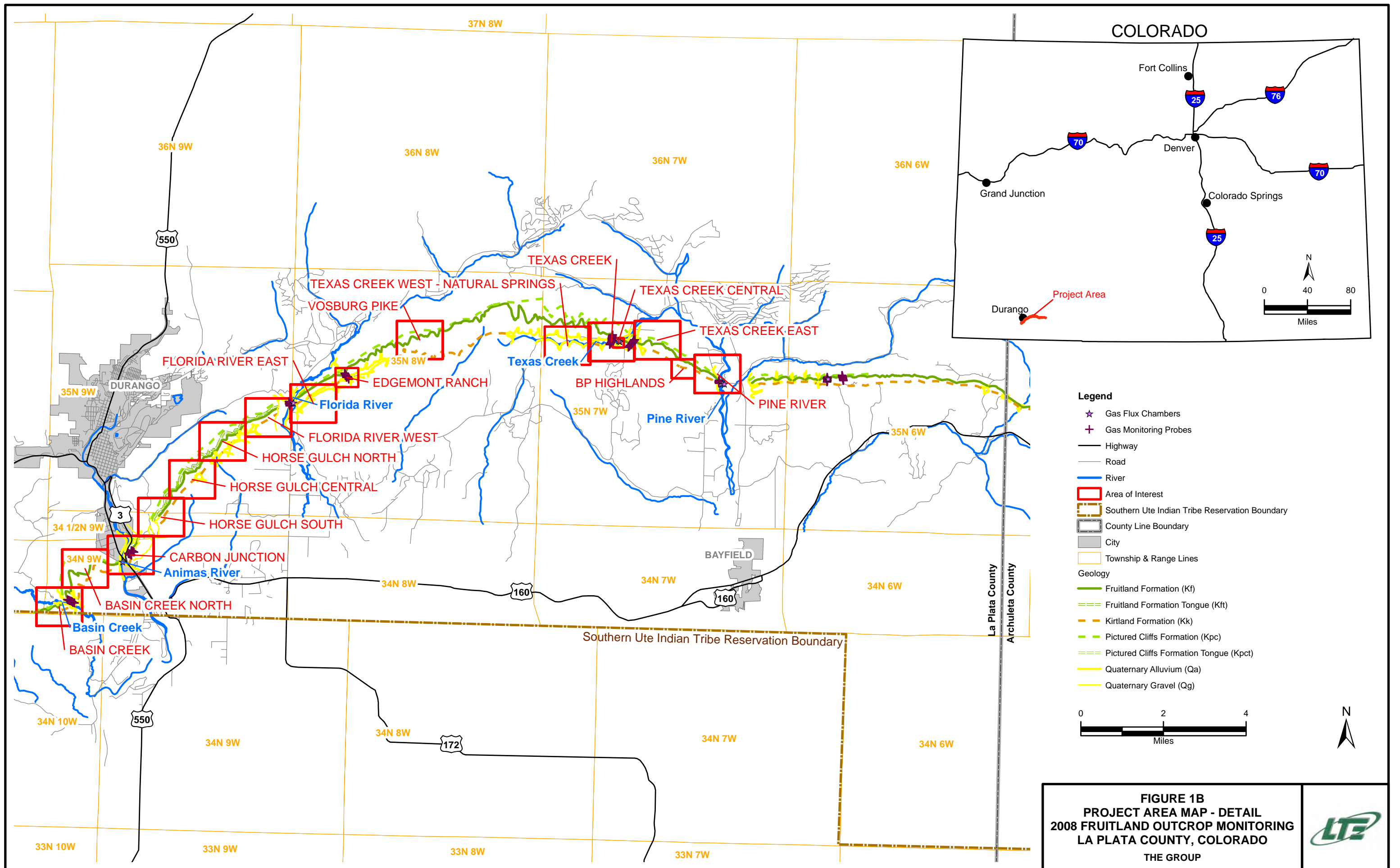
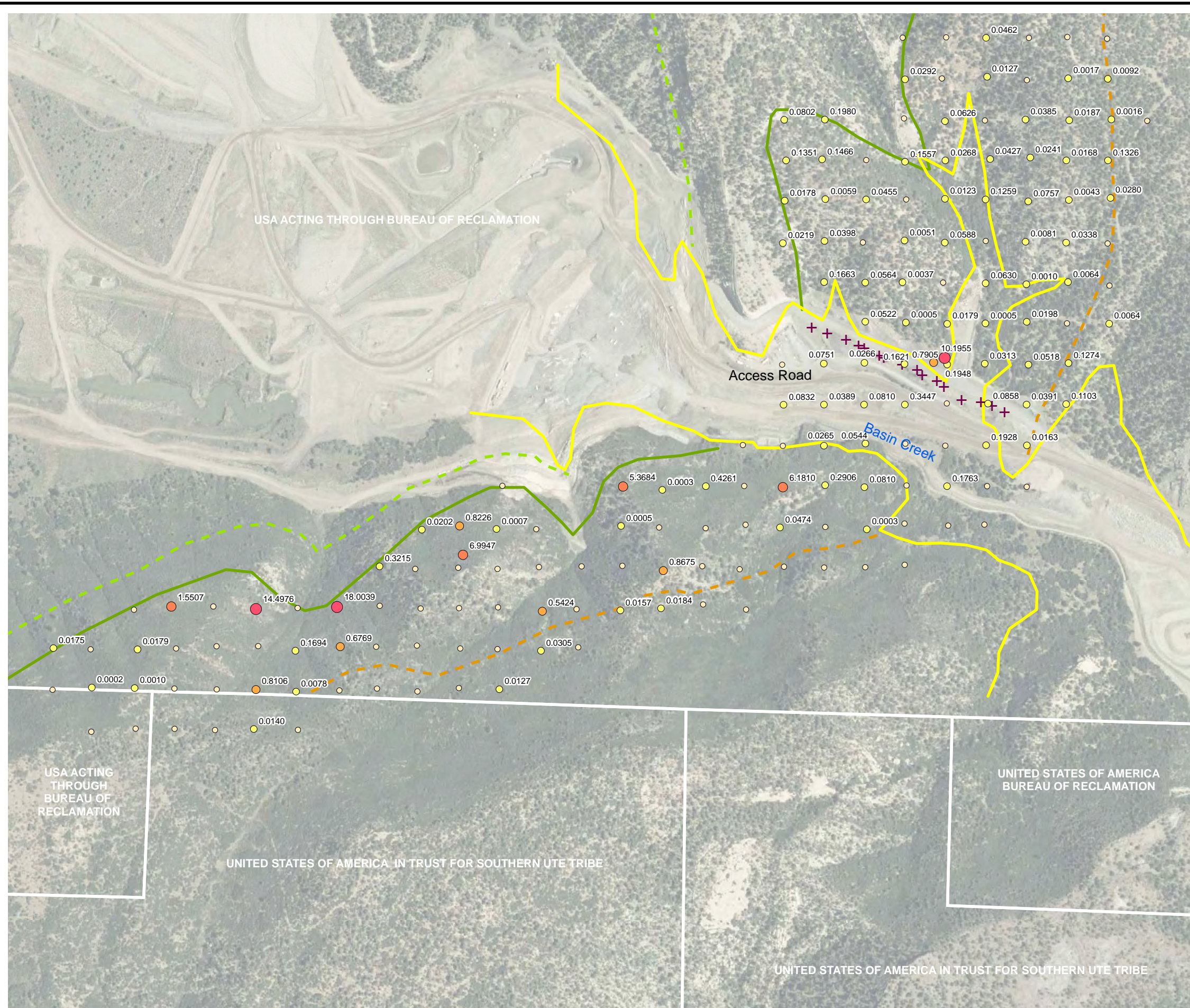


FIGURE 1B
PROJECT AREA MAP - DETAIL
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
 THE GROUP





LEGEND

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

Methane Flux Location (mol/m² • day)

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

Geology

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

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

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

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

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

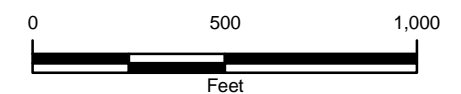
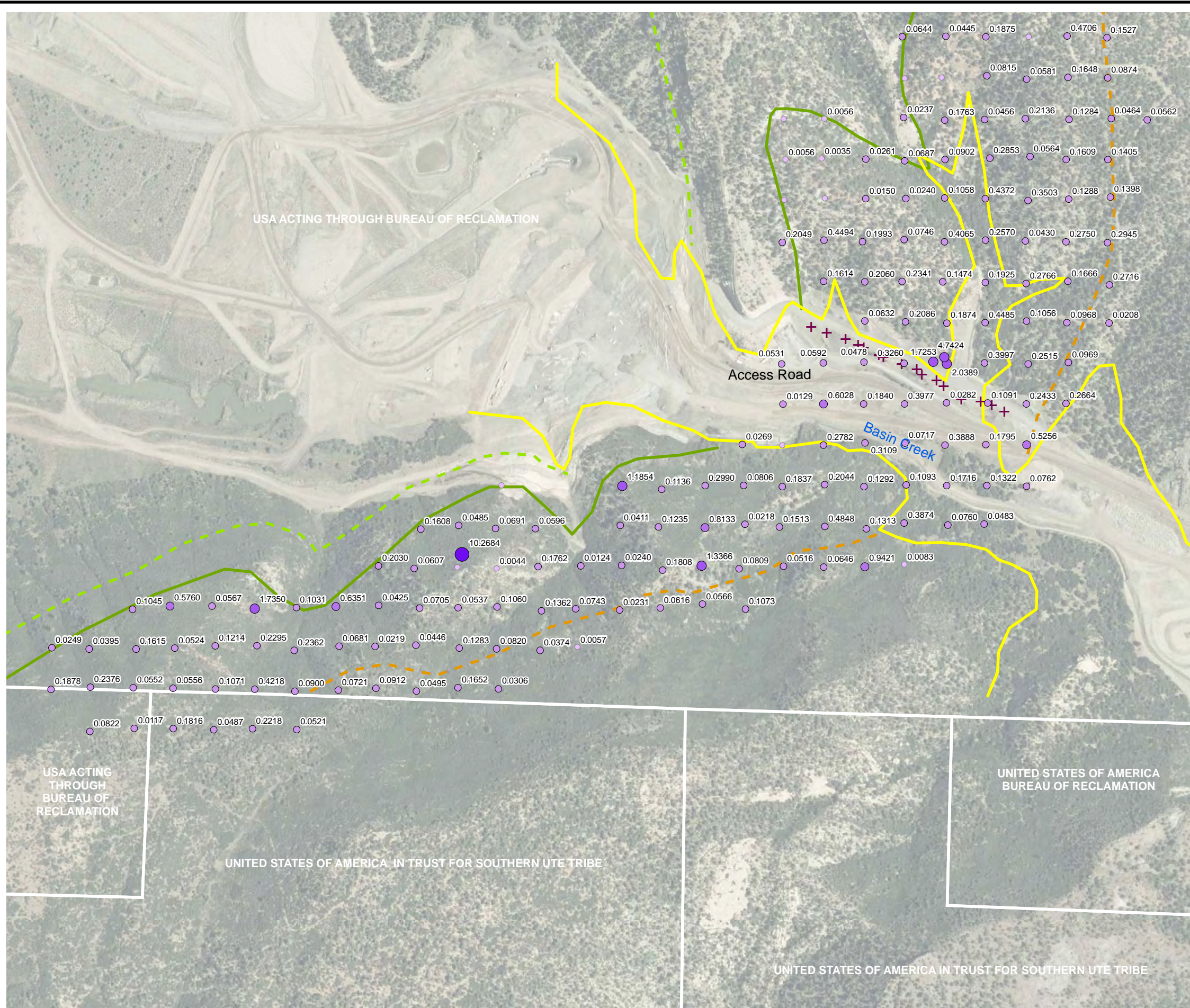


FIGURE 2
METHANE FLUX MEASUREMENTS
BASIN CREEK
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





LEGEND

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

Carbon Dioxide Flux Location (mol/m² • day)

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

Geology

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

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

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

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

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

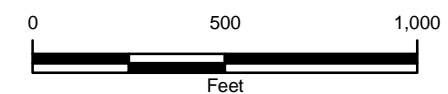
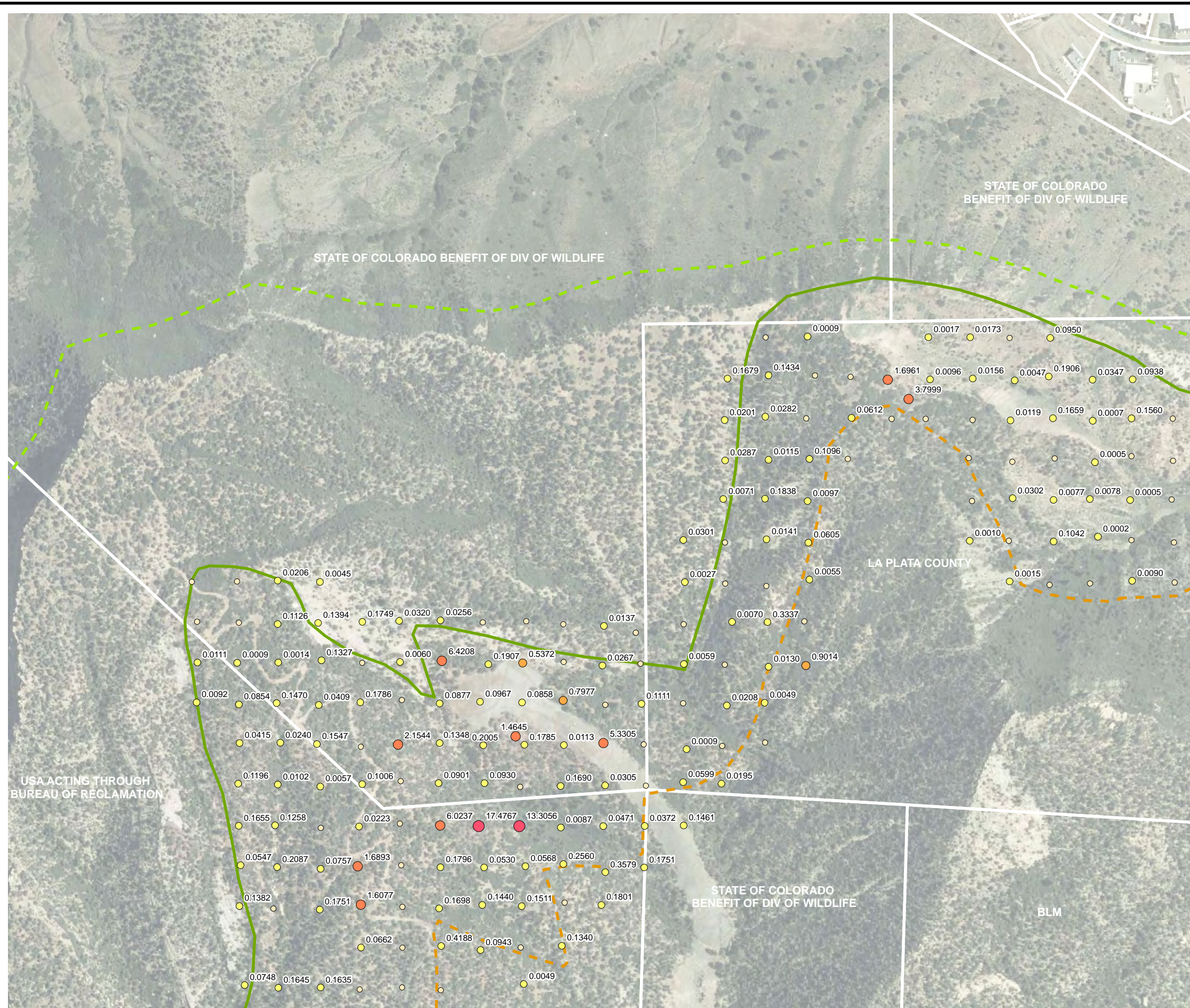


FIGURE 3
CARBON DIOXIDE FLUX MEASUREMENTS
BASIN CREEK
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





LEGEND

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

Methane Flux Location (mol/m² · day)

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

Geology

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

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

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

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

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

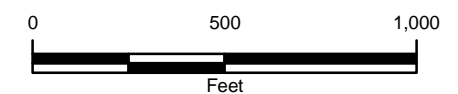
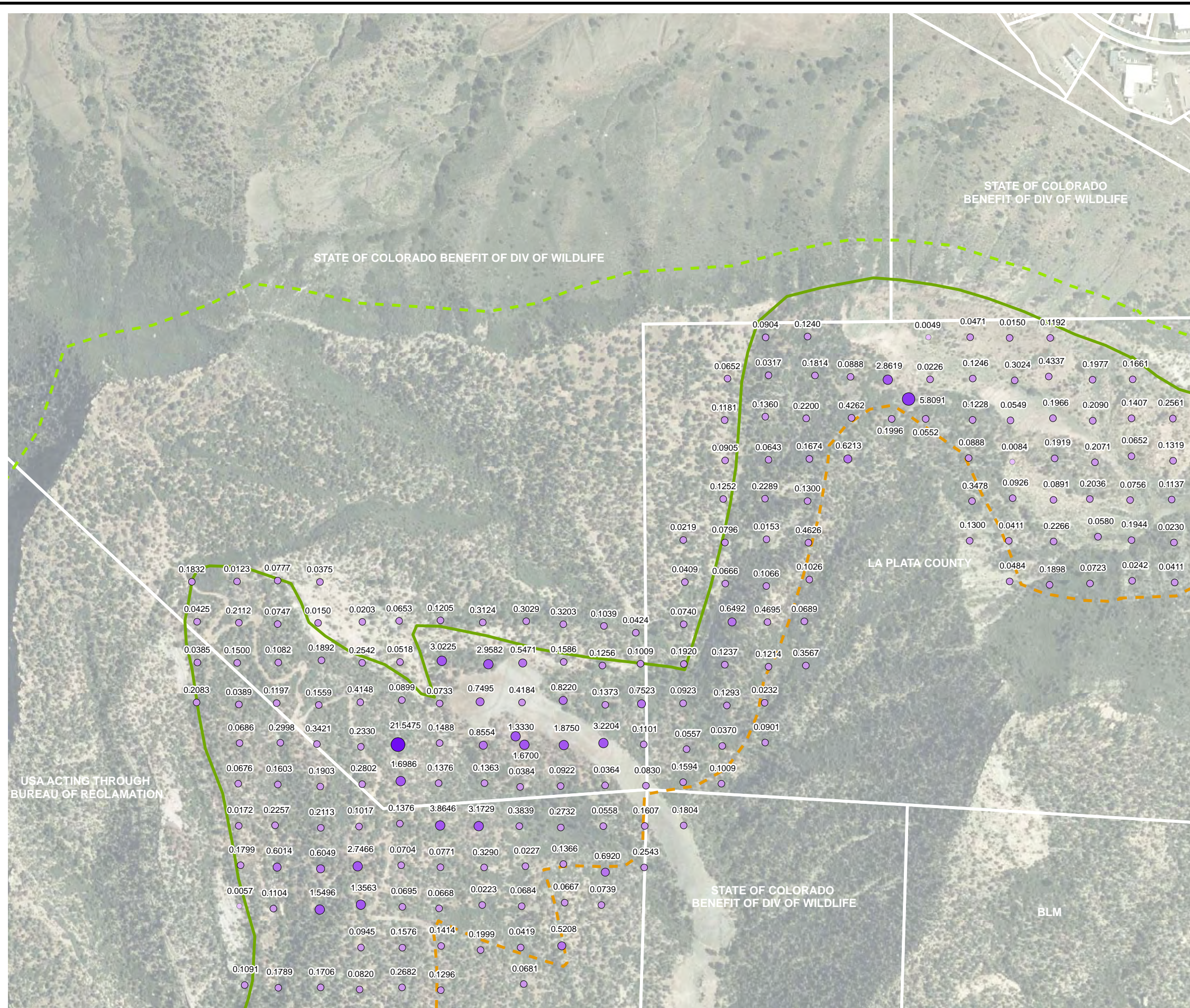


FIGURE 4
METHANE FLUX MEASUREMENTS
BASIN CREEK NORTH
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

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

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

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

Geology

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

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

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

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

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

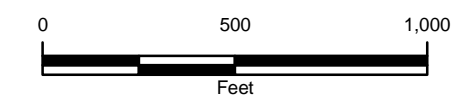
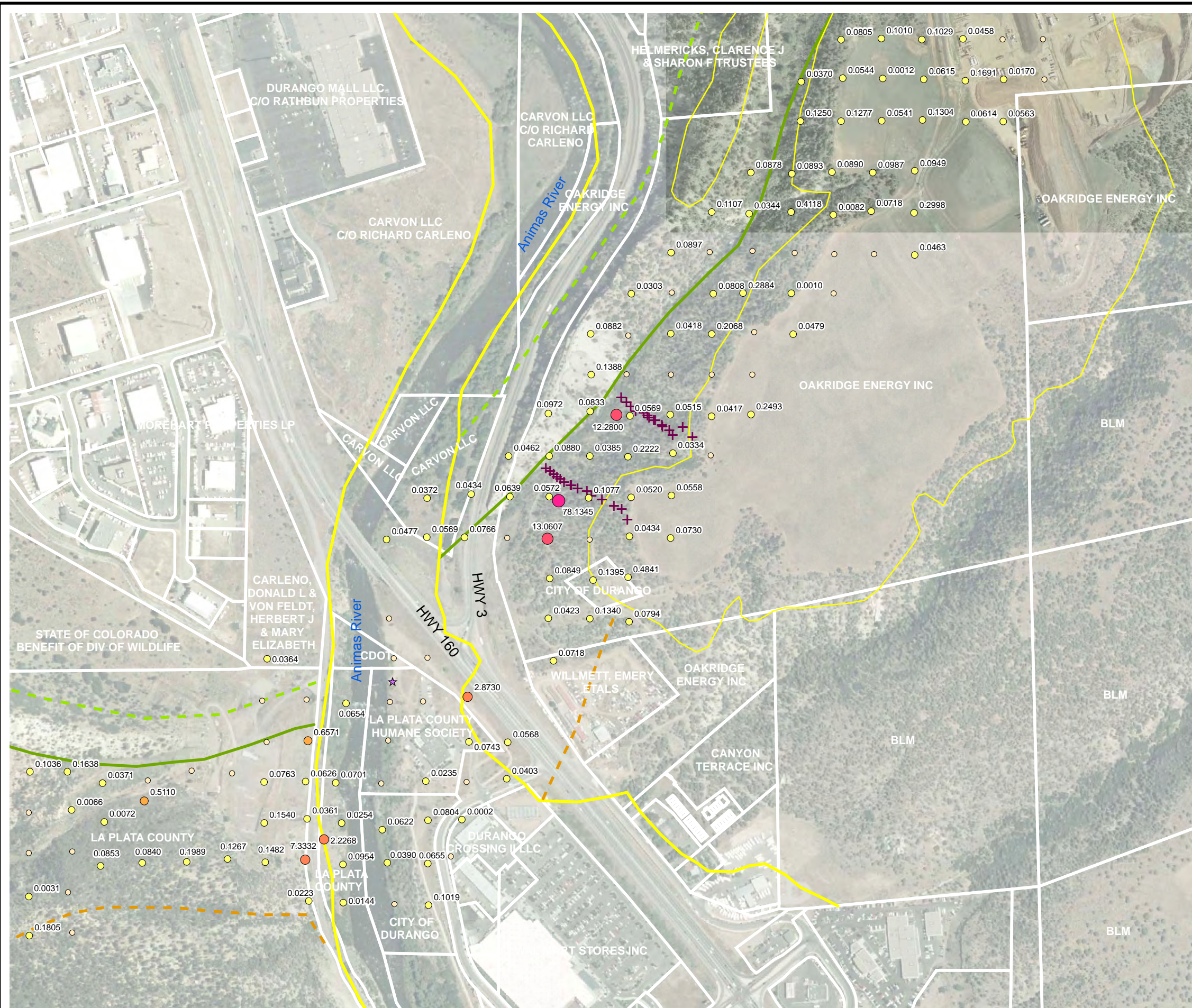


FIGURE 5
CARBON DIOXIDE FLUX MEASUREMENTS
BASIN CREEK NORTH
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

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

Methane Flux Location (mol/m²·day)

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

Geology

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

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

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

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

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

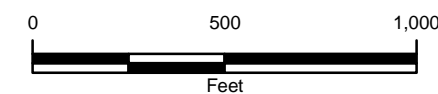
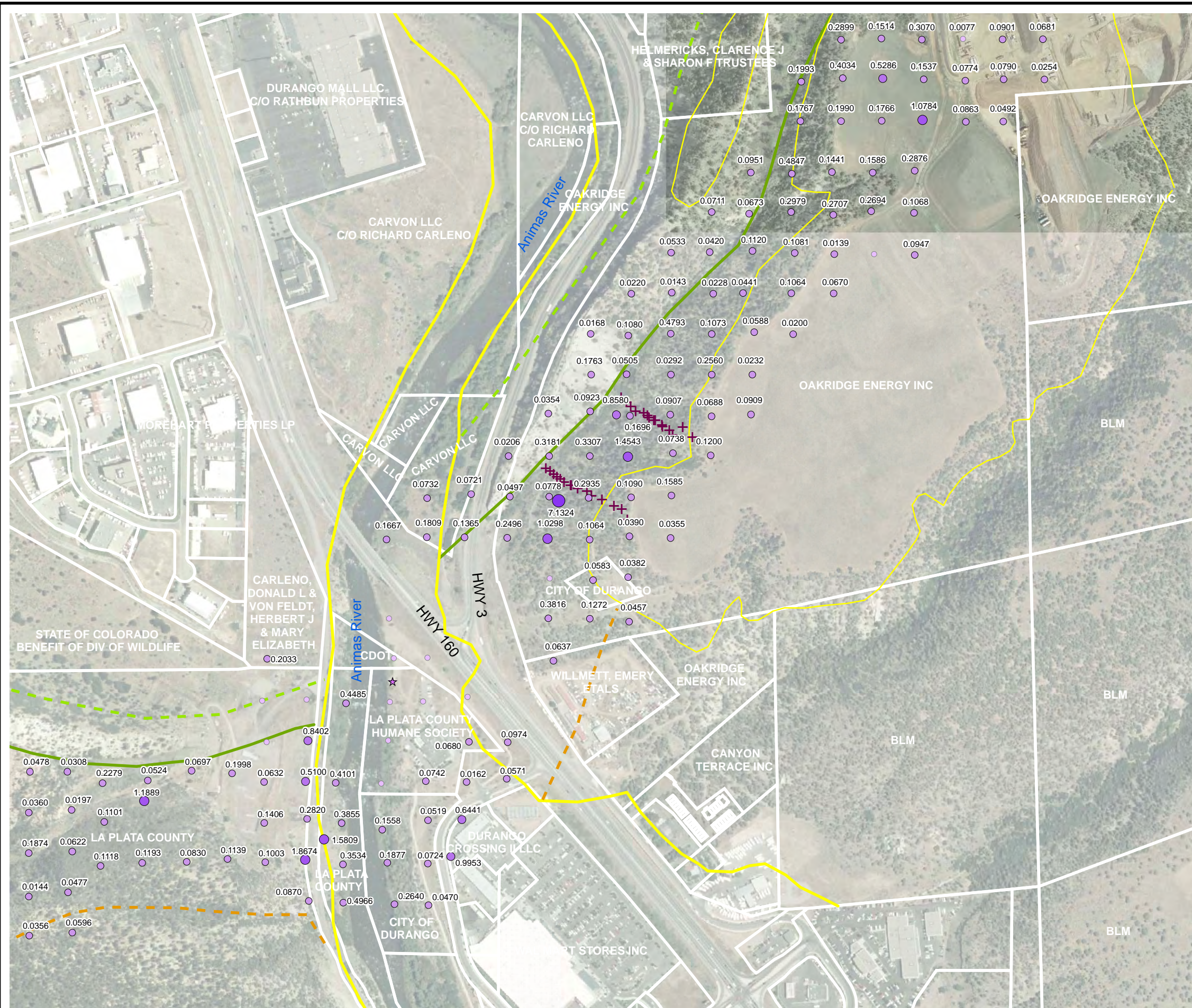


FIGURE 6
METHANE FLUX MEASUREMENTS
CARBON JUNCTION
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

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

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

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

Geology

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

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

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

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

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

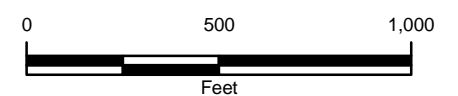
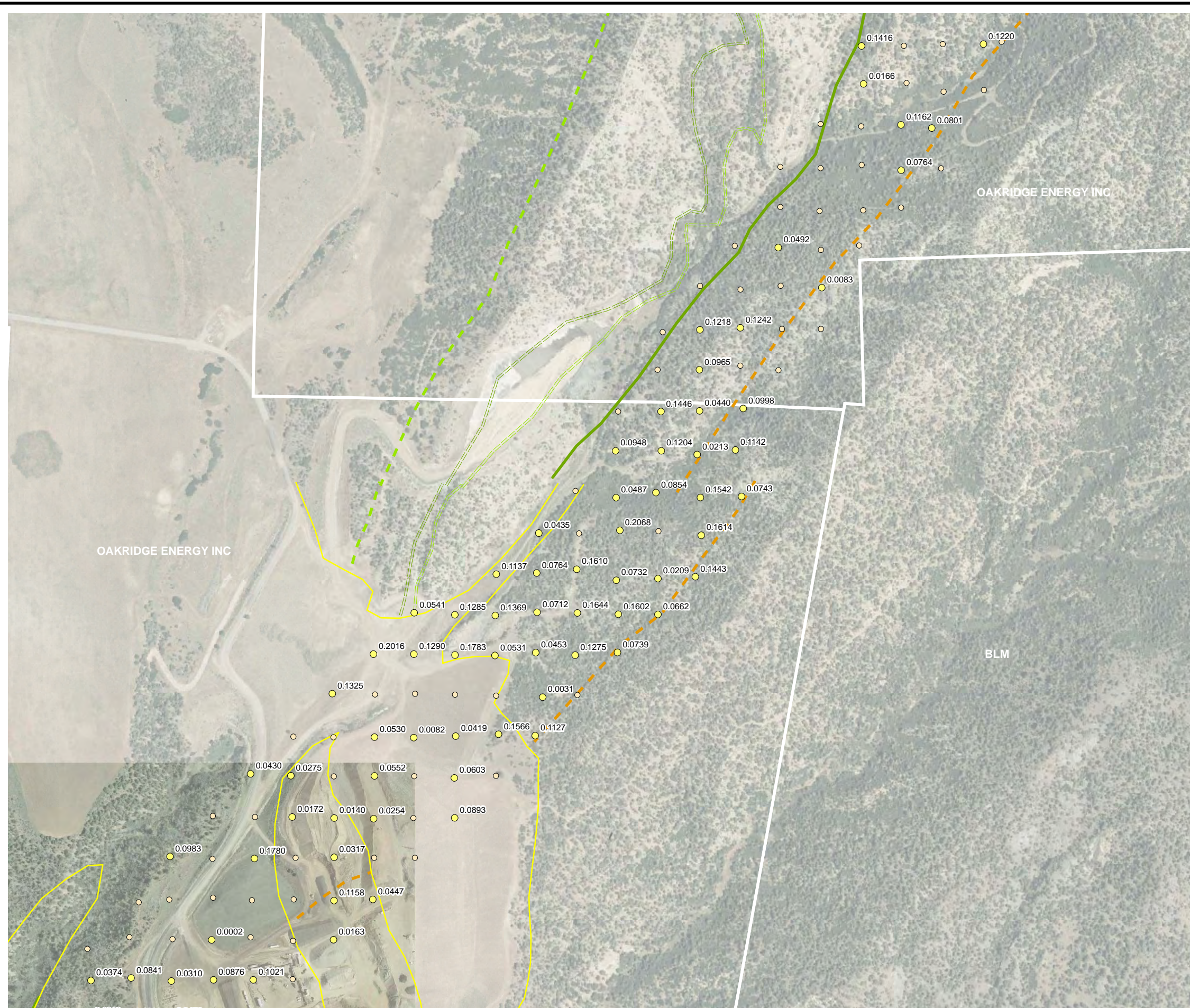


FIGURE 7
CARBON DIOXIDE FLUX MEASUREMENTS
CARBON JUNCTION
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

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

Methane Flux Location (mol/m² · day)

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

Geology

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

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

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

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

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

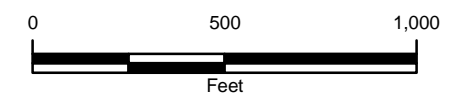
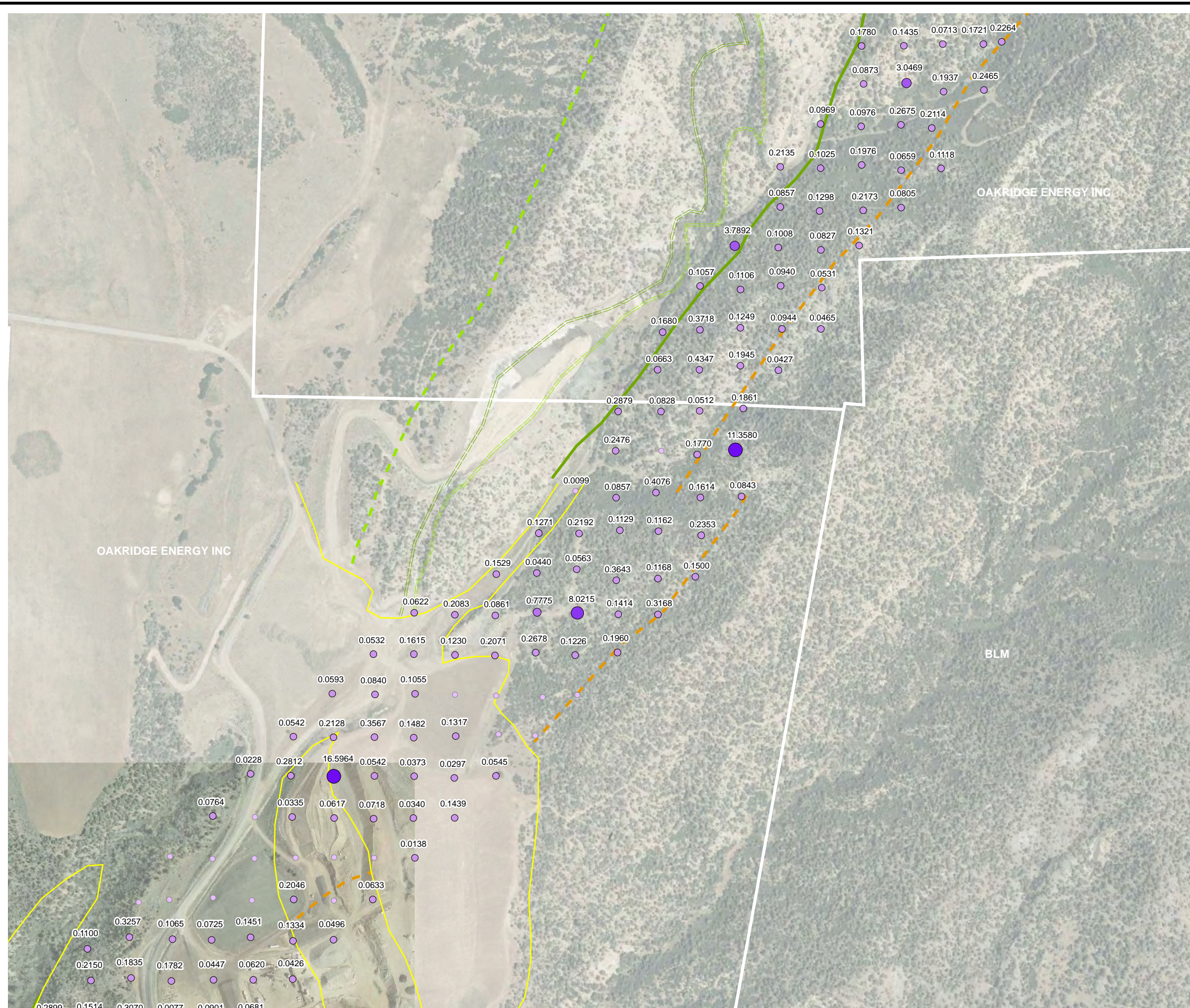


FIGURE 8
METHANE FLUX MEASUREMENTS
HORSE GULCH SOUTH
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





LEGEND

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

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

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

Geology

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

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

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

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

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

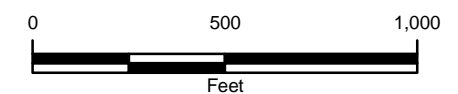
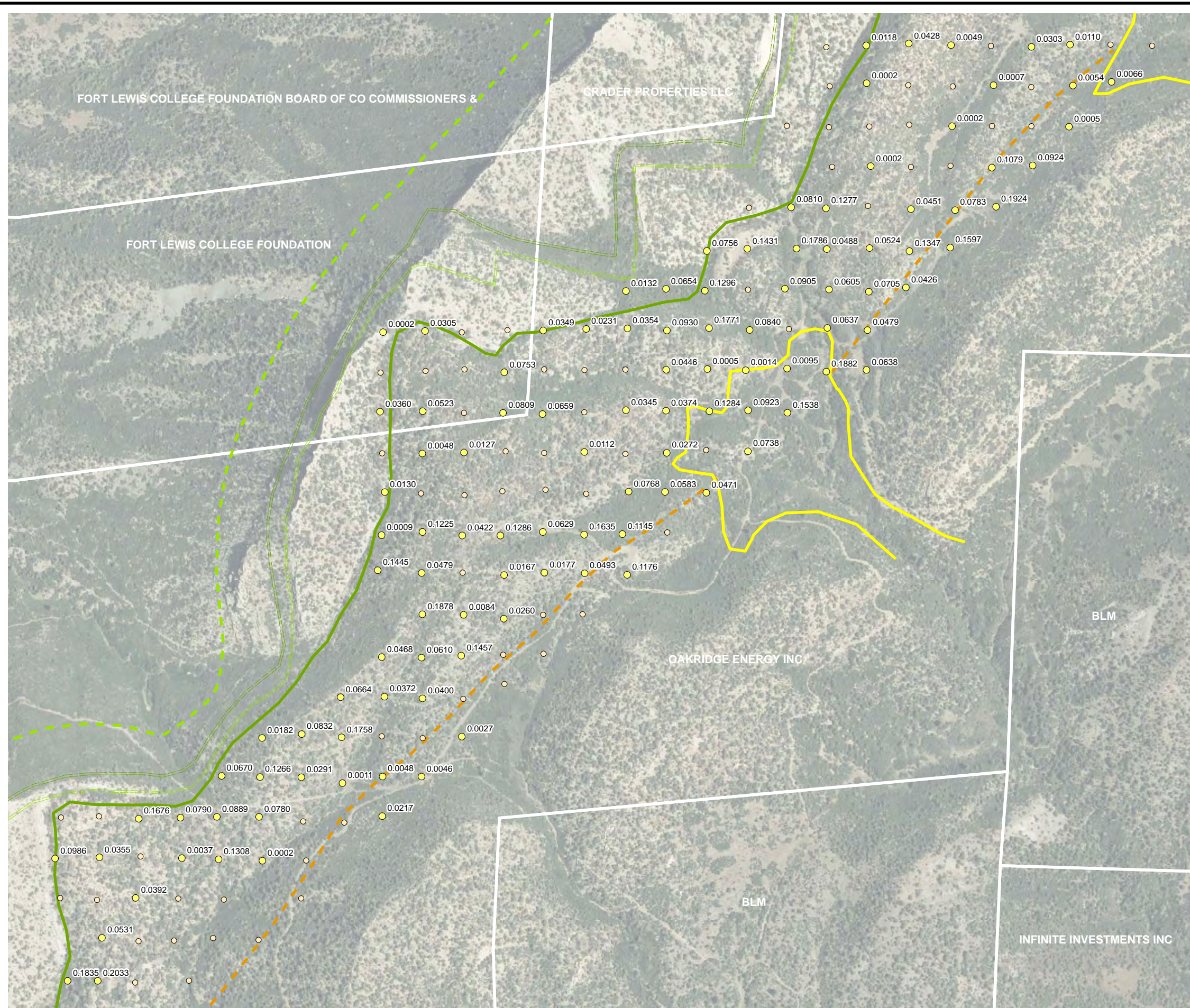


FIGURE 9
CARBON DIOXIDE FLUX MEASUREMENTS
HORSE GULCH SOUTH
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





LEGEND

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

Methane Flux Location (mol/m² · day)

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

Geology

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

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

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

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

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

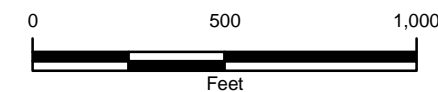
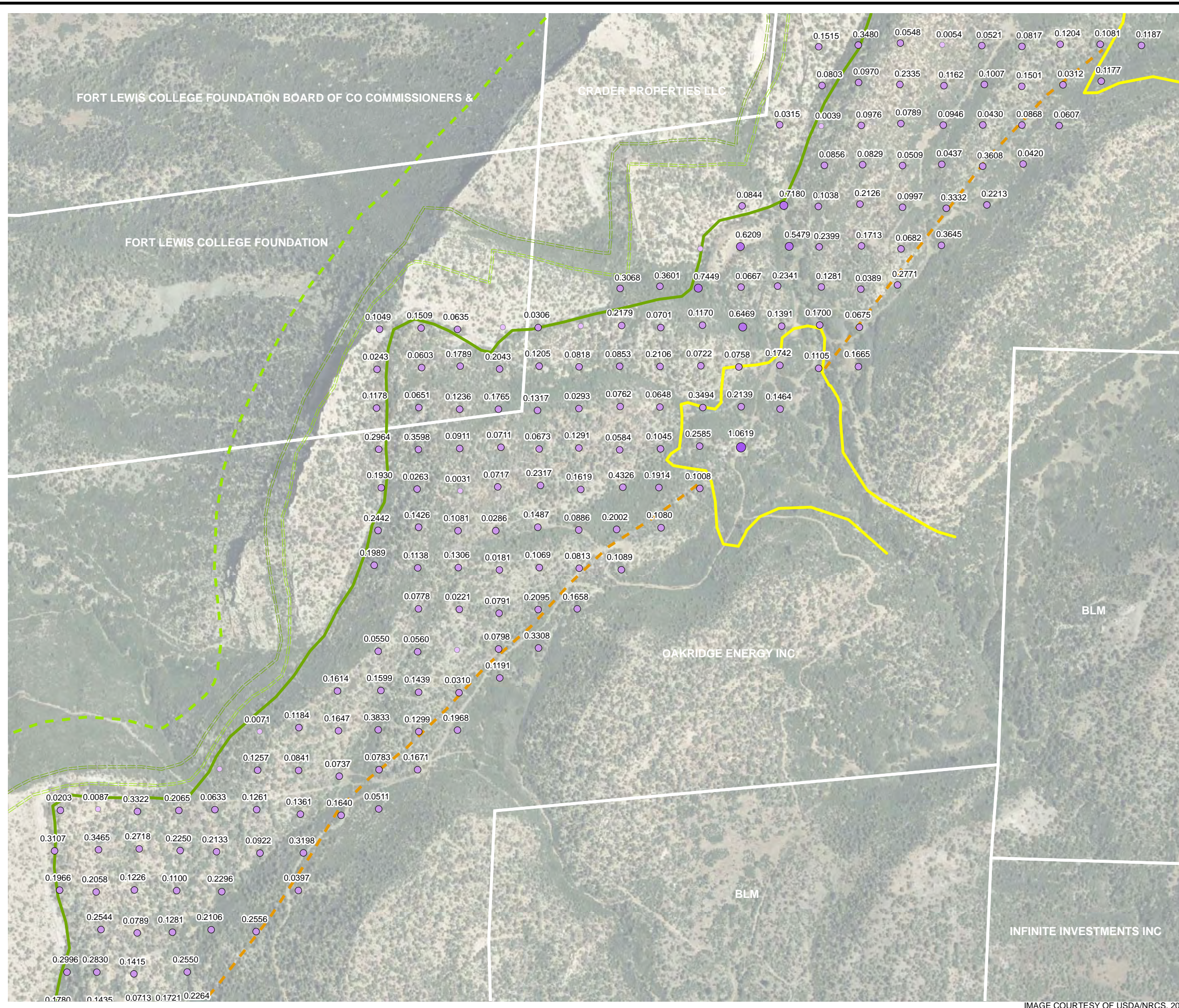


FIGURE 10
METHANE FLUX MEASUREMENTS
HORSE GULCH CENTRAL
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

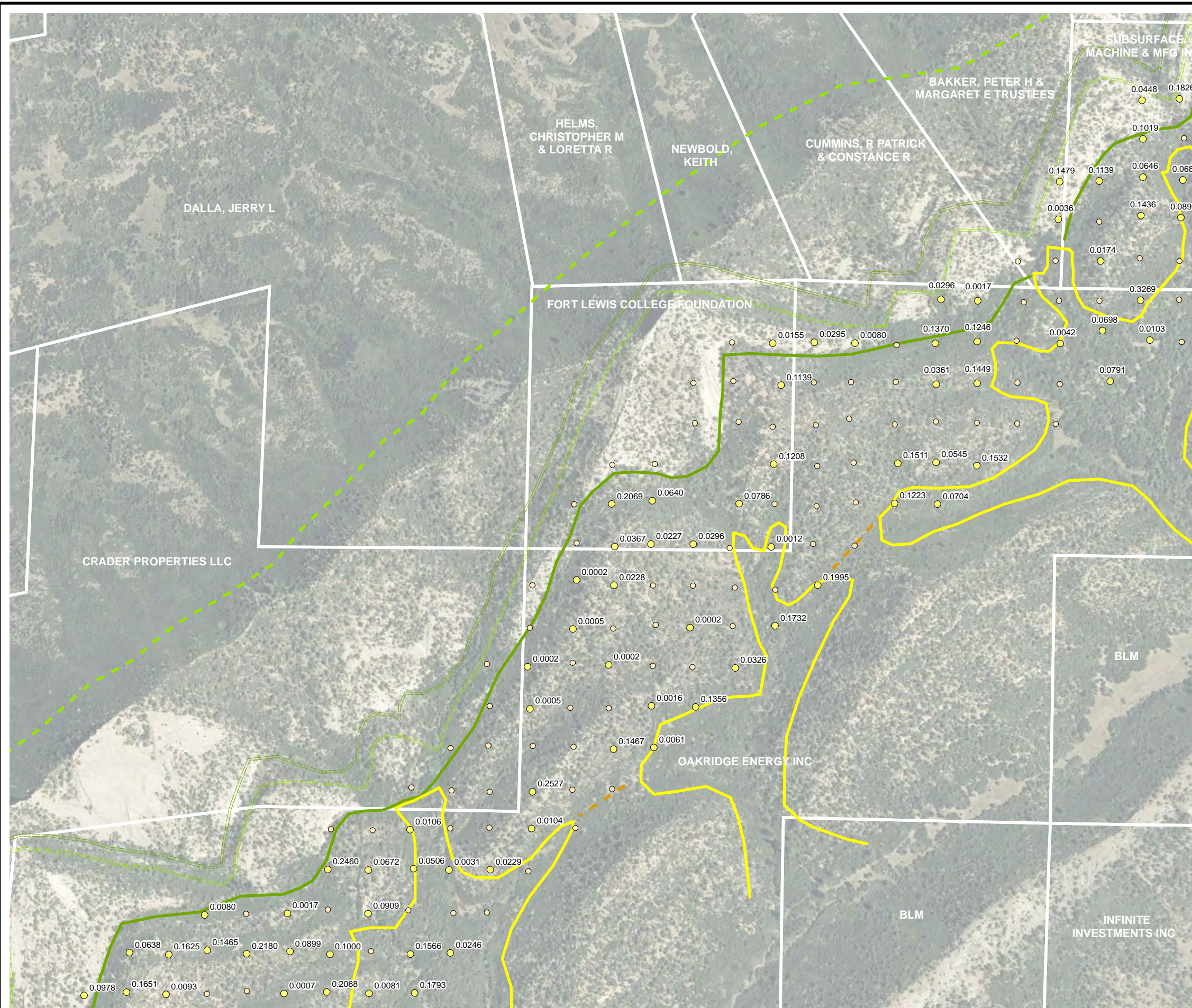
- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location (mol/m² • day)
 - 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Geology
 - Fruitland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



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



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

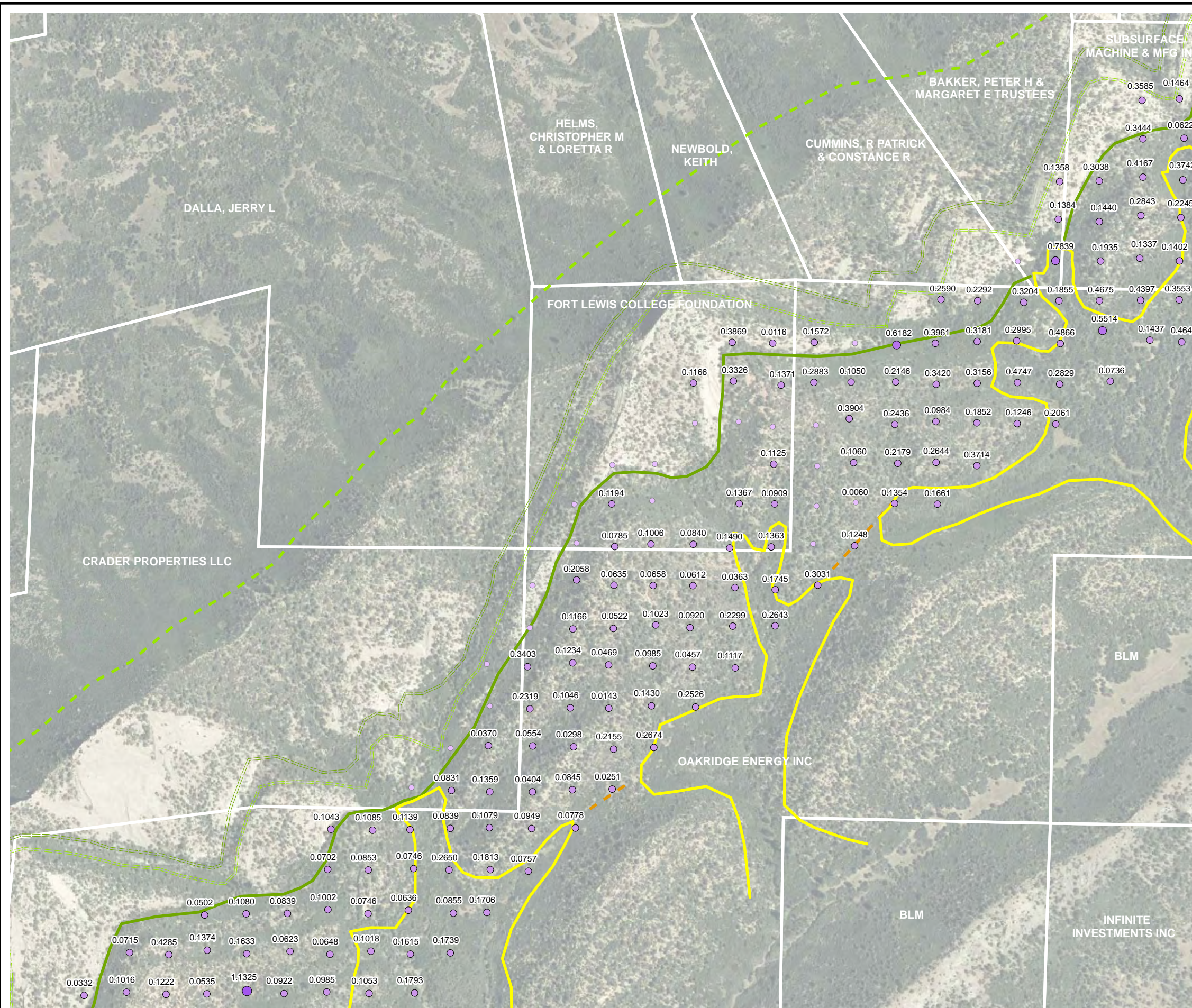
- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Methane Flux Location (mol/m² · day)
- 0.0000
 - 0.0001 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 1175.0000
- Geology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



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



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

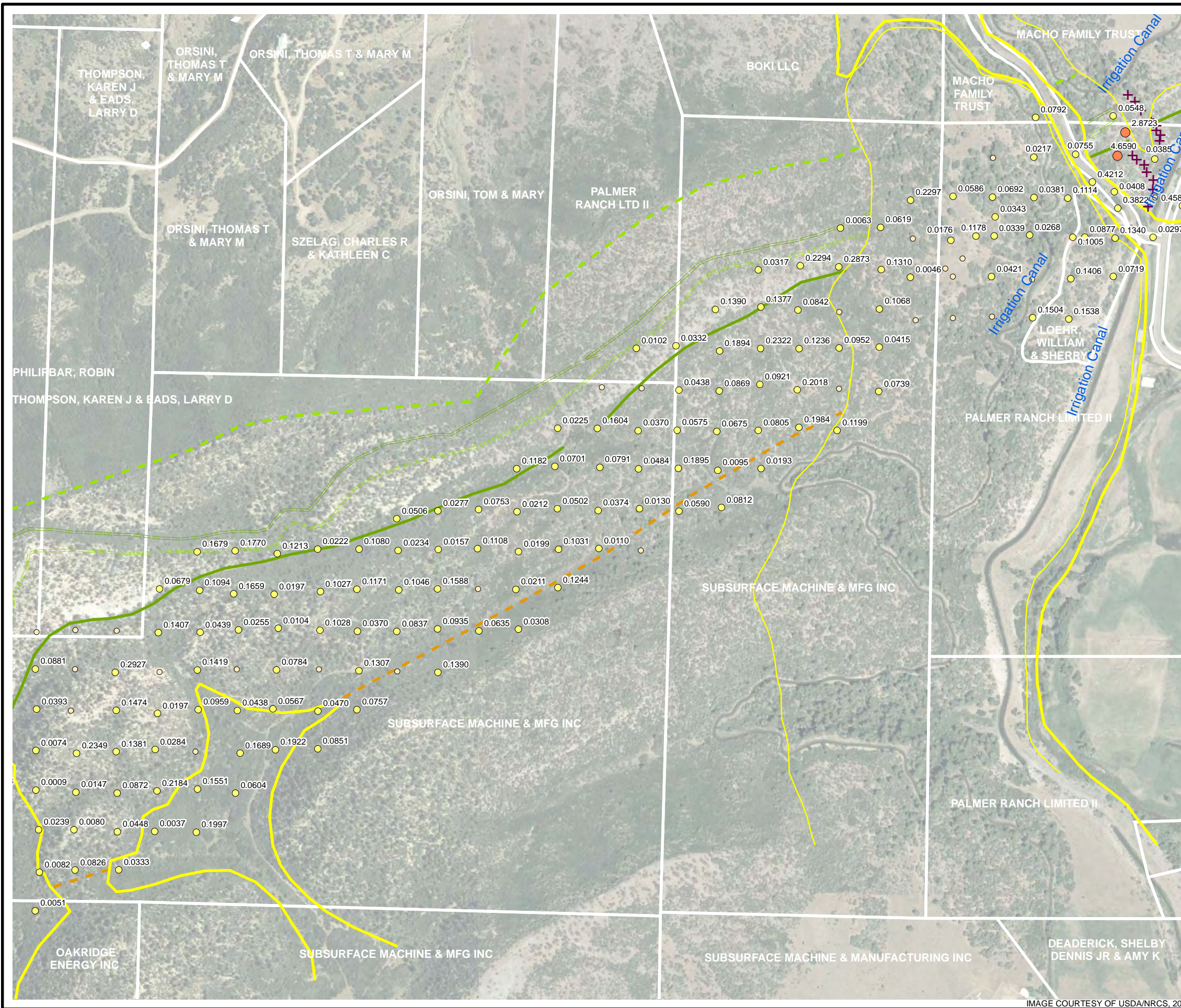
- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location (mol/m² · day)
- 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Geology
- Fruitland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



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



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

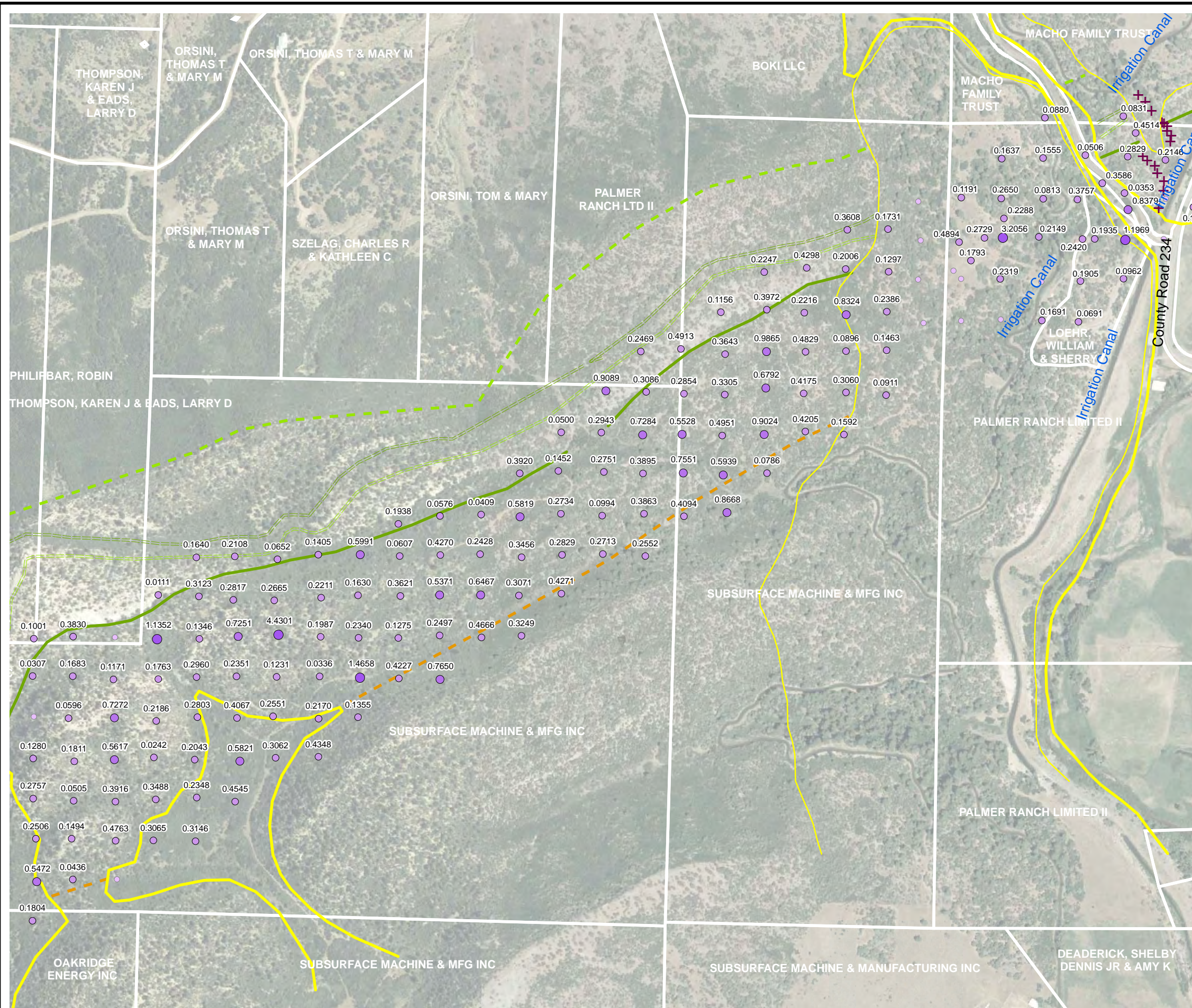
- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Methane Flux Location (mol/m² · day)
- 0.0000
 - 0.0001 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 1175.0000
- Geology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



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



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

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



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



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

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

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

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

Geology

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

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

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

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

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

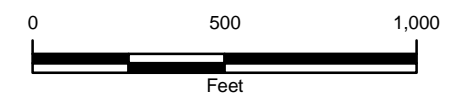


FIGURE 16
METHANE FLUX MEASUREMENTS
FLORIDA RIVER EAST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

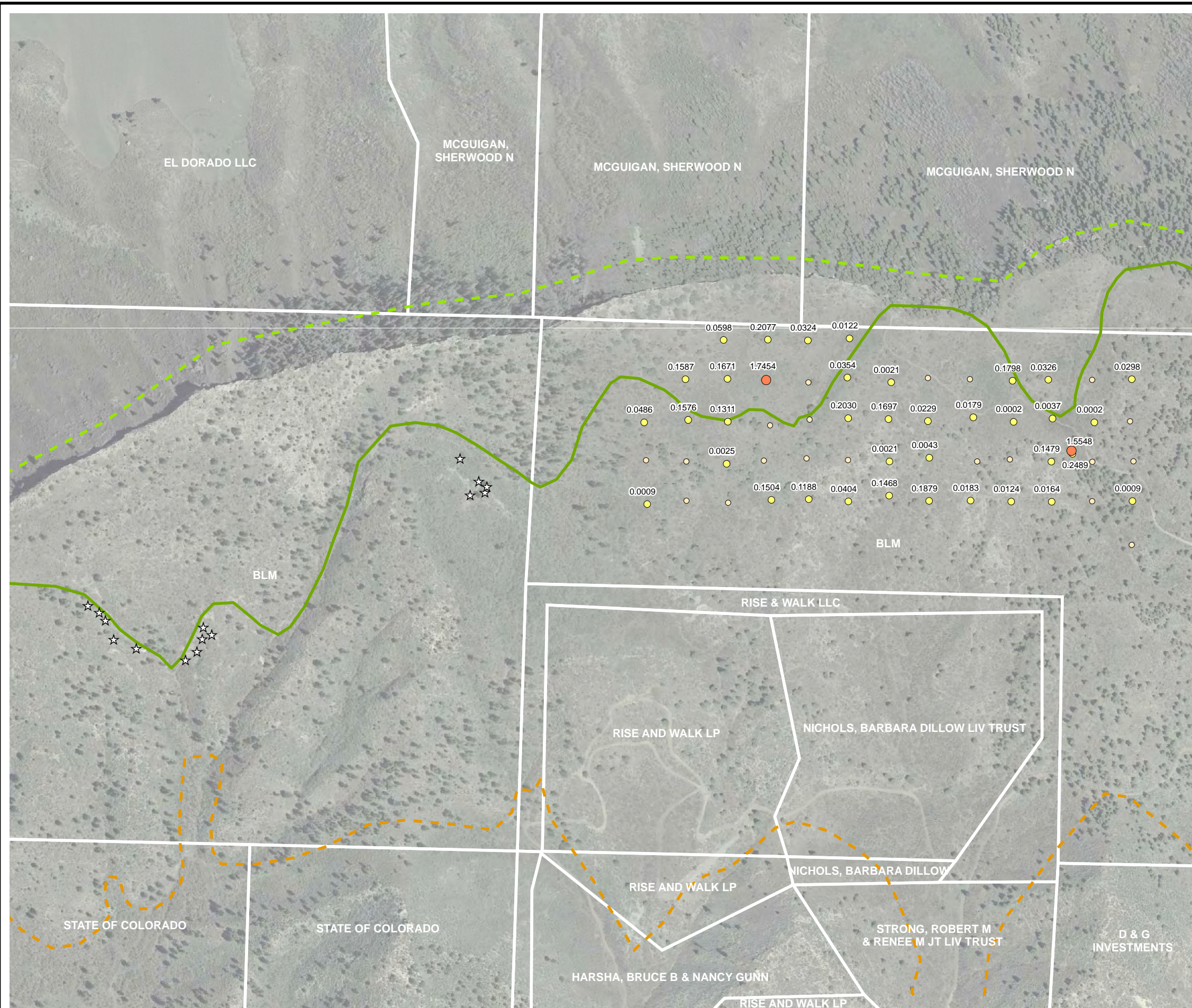
- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location ($\text{mol/m}^2 \cdot \text{day}$)
- 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000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



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



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

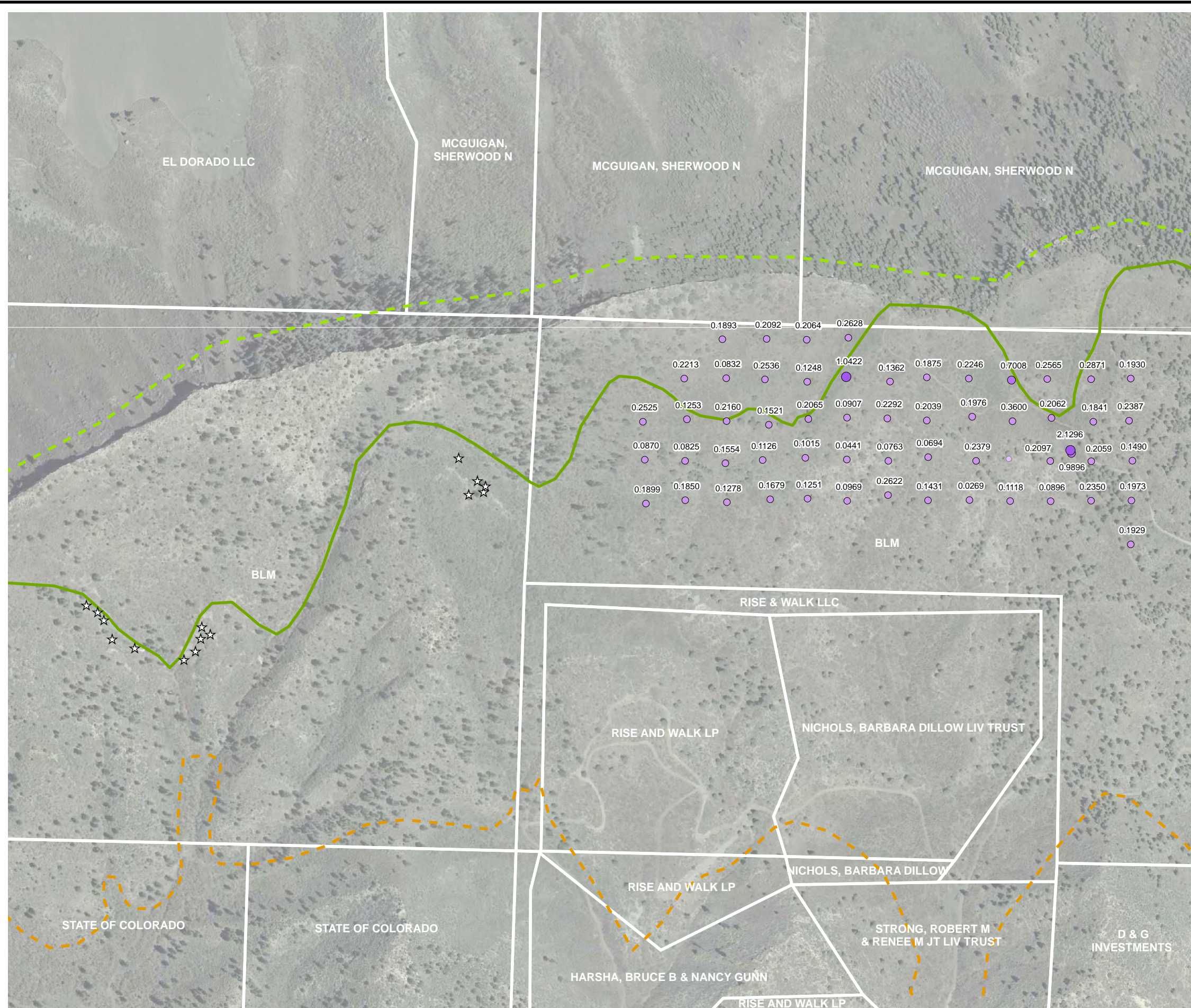
- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)
- Methane Flux Location (mol/m² • day)
 - 0.0000
 - 0.0001 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 1175.0000
- Geology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



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



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

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

Carbon Dioxide Flux Location (mol/m² · day)

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

Geology

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

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

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

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

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

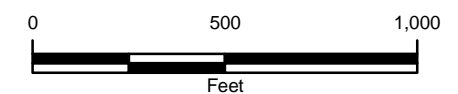
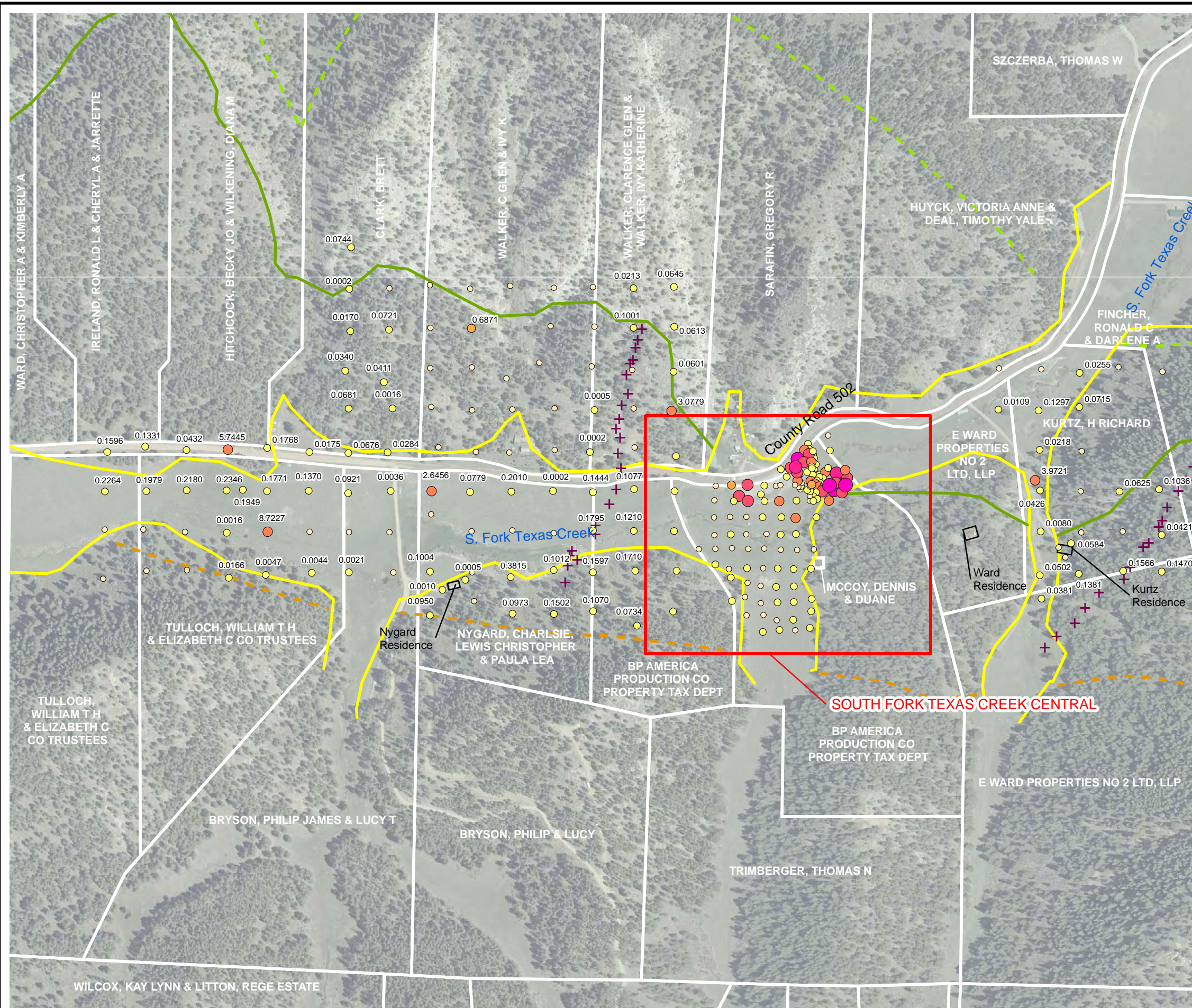


FIGURE 19
CARBON DIOXIDE FLUX MEASUREMENTS
VOSBURG PIKE
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

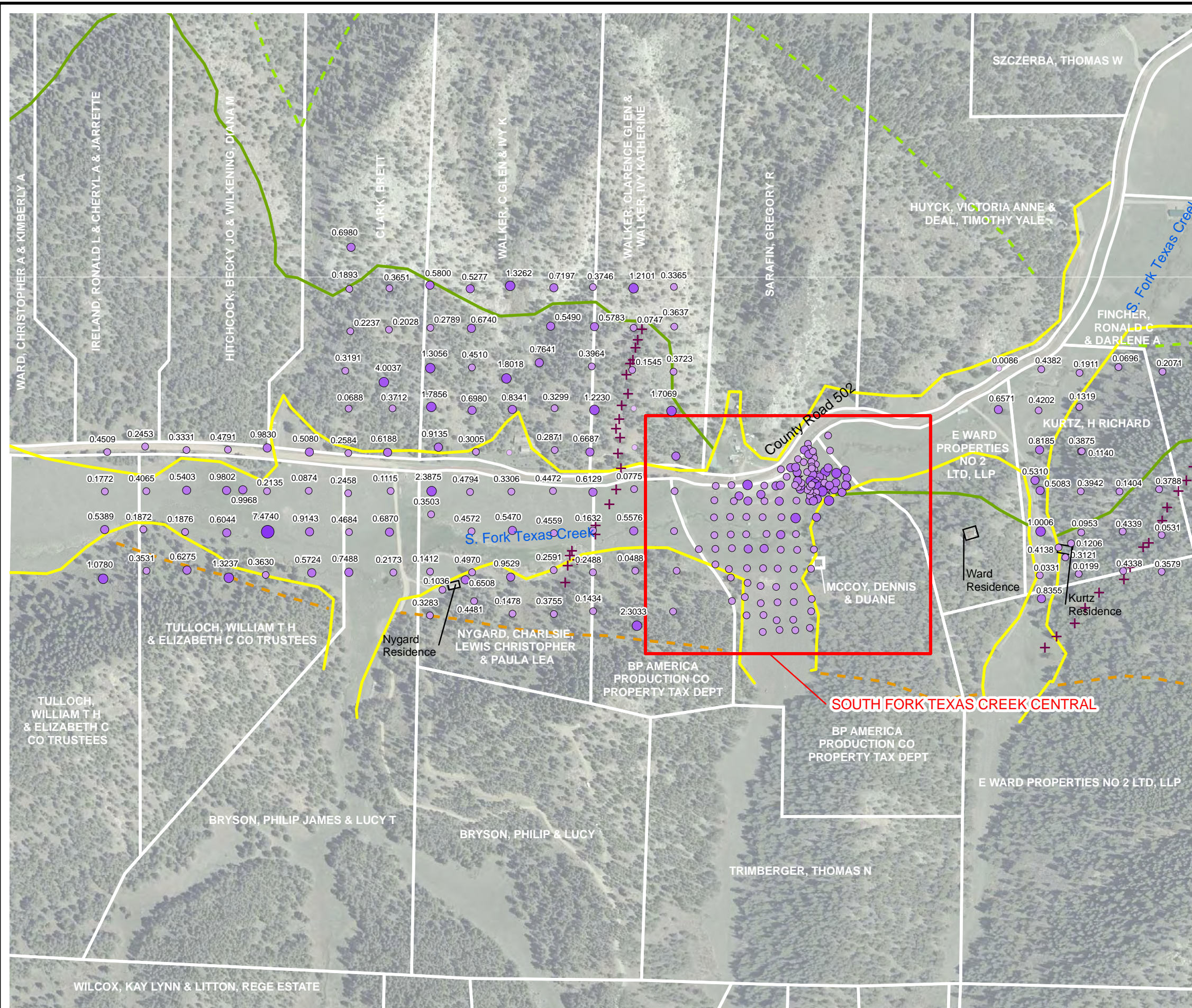
- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Methane Flux Location (mol/m² • day)
- 0.0000
 - 0.0001 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 1175.0000
- Geology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



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



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

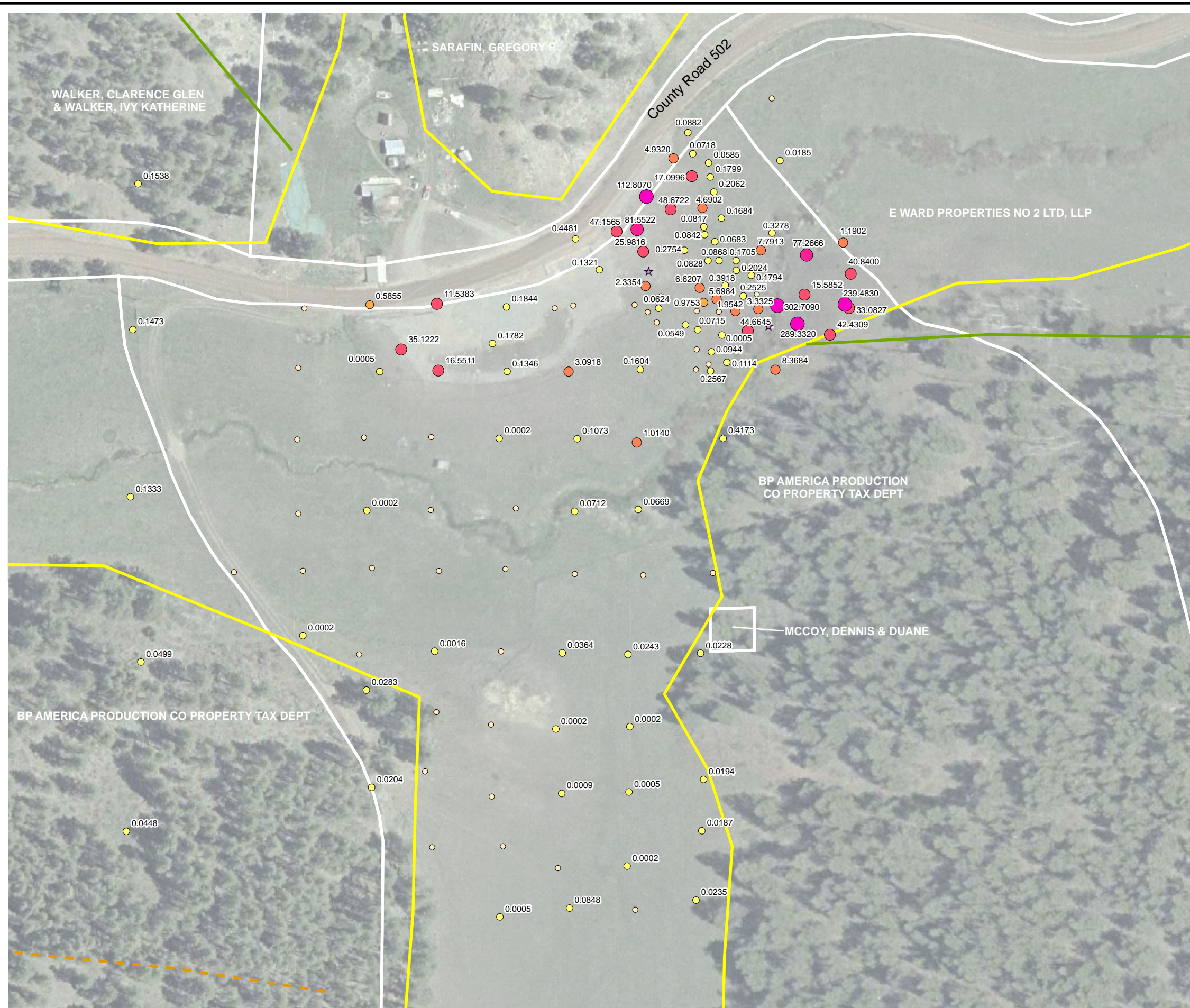
- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location (mol/m² · day)
 - 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Geology
 - Fruitland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



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



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

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

Methane Flux Location (mol/m²·day)

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

Geology

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

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

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

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

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

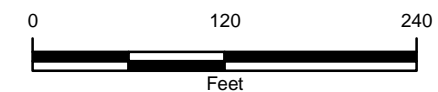
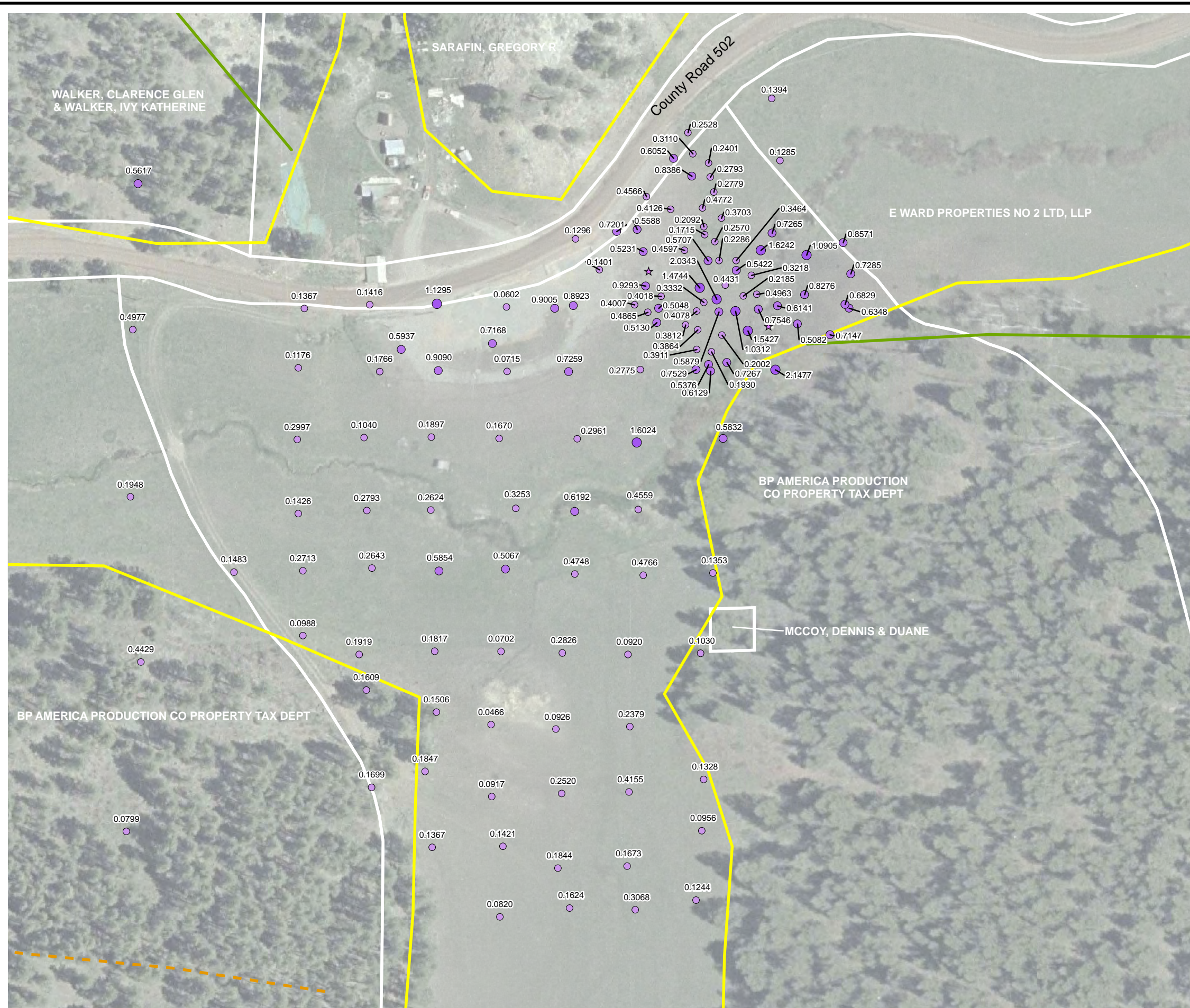


FIGURE 22
METHANE FLUX MEASUREMENTS
SOUTH FORK TEXAS CREEK CENTRAL
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





LEGEND

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

Parcel Boundary & Owner (white)

Carbon Dioxide Flux Location (mol/m² · day)

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

Geology

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

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

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

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

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

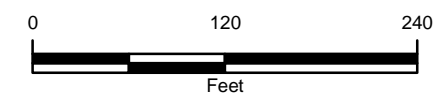
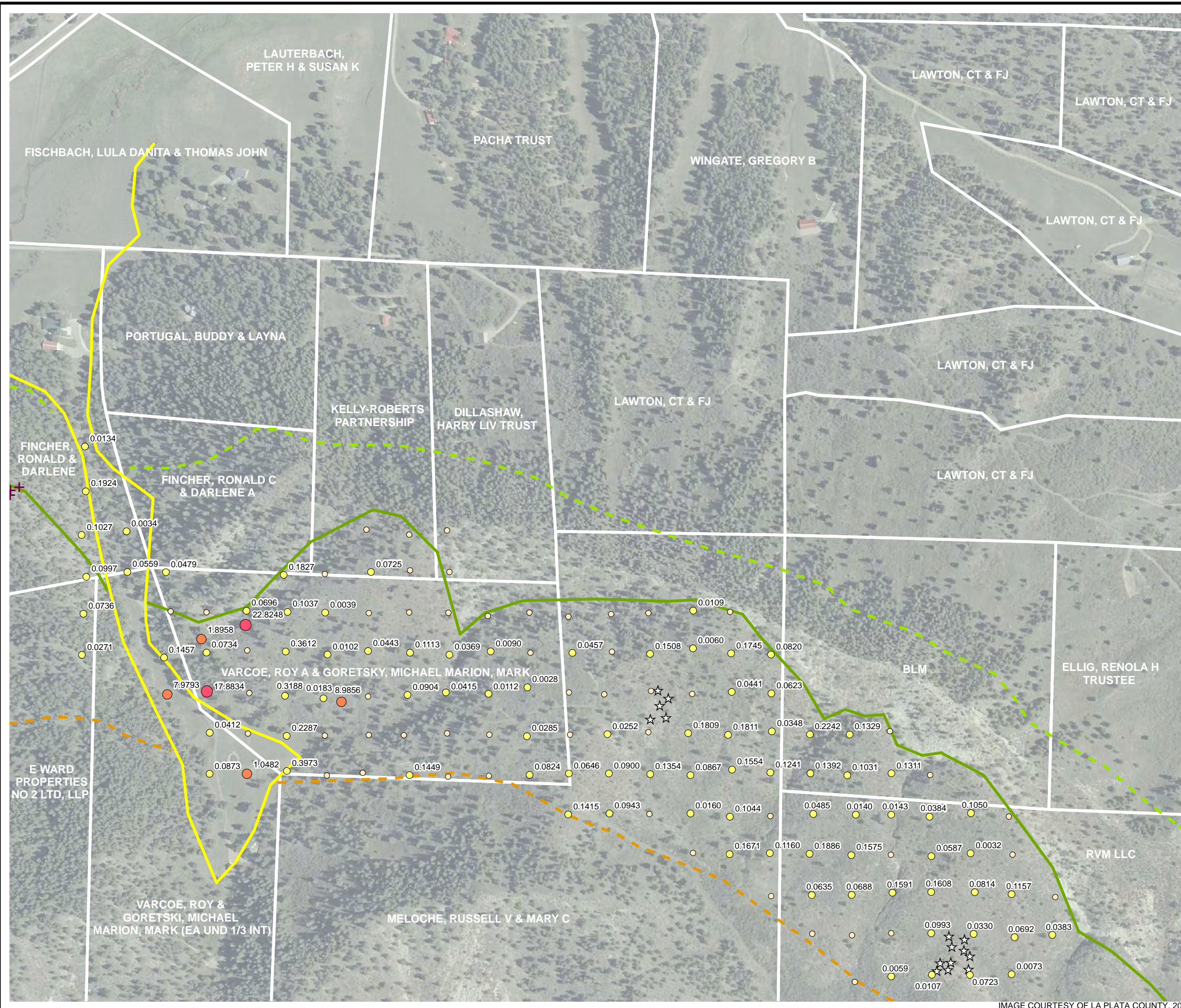


FIGURE 23
CARBON DIOXIDE FLUX MEASUREMENTS
SOUTH FORK TEXAS CREEK CENTRAL
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





LEGEND

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

Methane Flux Location (mol/m² • day)

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

Geology

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

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

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

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

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

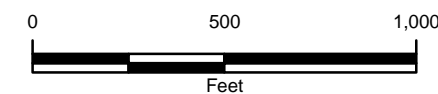
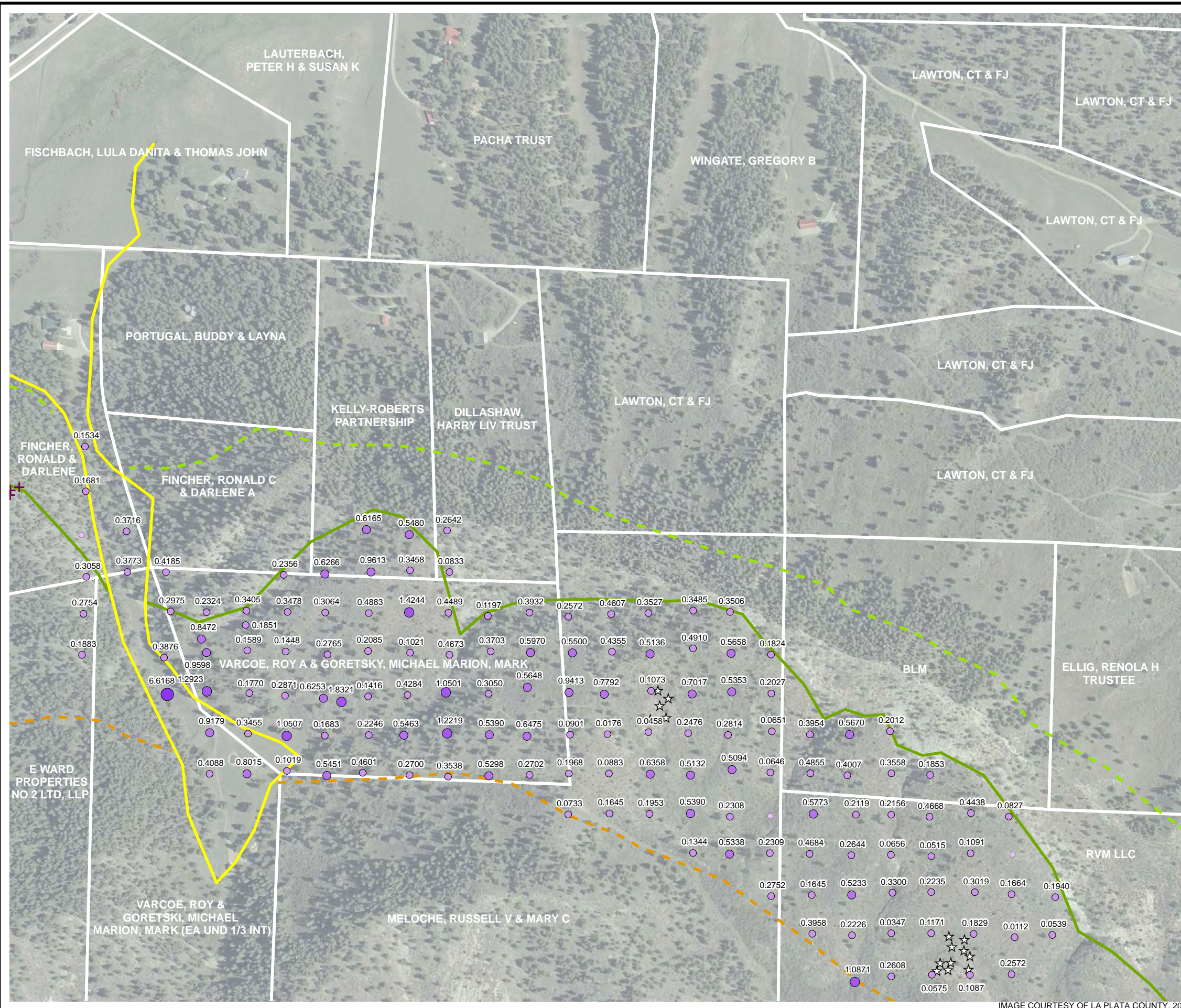


FIGURE 24
METHANE FLUX MEASUREMENTS
SOUTH FORK TEXAS CREEK EAST
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

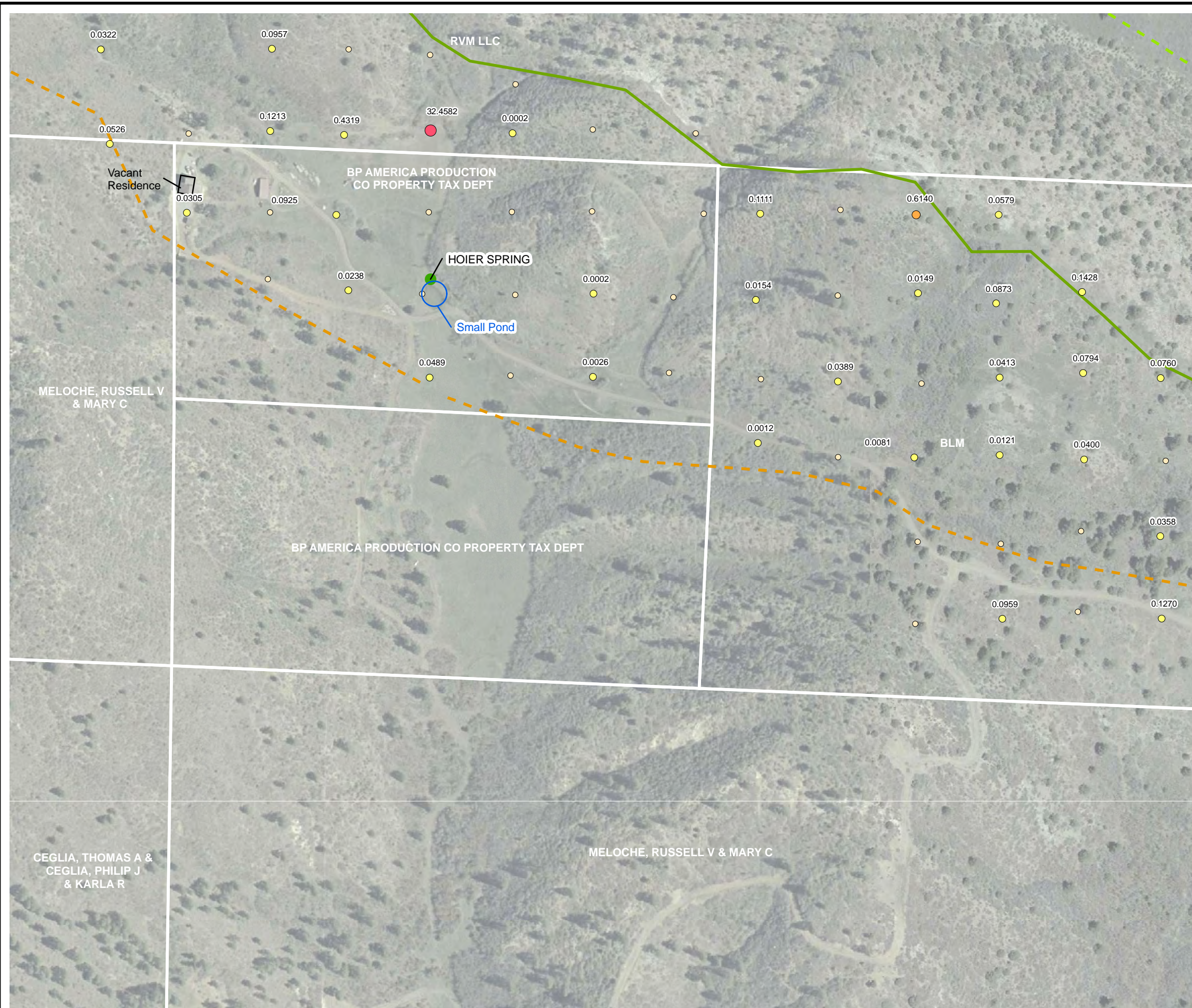
- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)
- Carbon Dioxide Flux Location (mol/m²·day)
 - 0.0000 - 0.0100
 - 0.0101 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 5.0000
 - 5.0001 - 10.0000
 - 10.0001 - 25.0000
- Geology
 - Fruitland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



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



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

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

Natural Spring Location

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

Methane Flux Location (mol/m² · day)

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

Geology

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

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

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

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

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

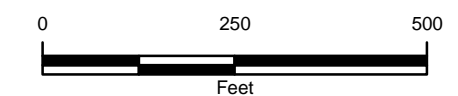
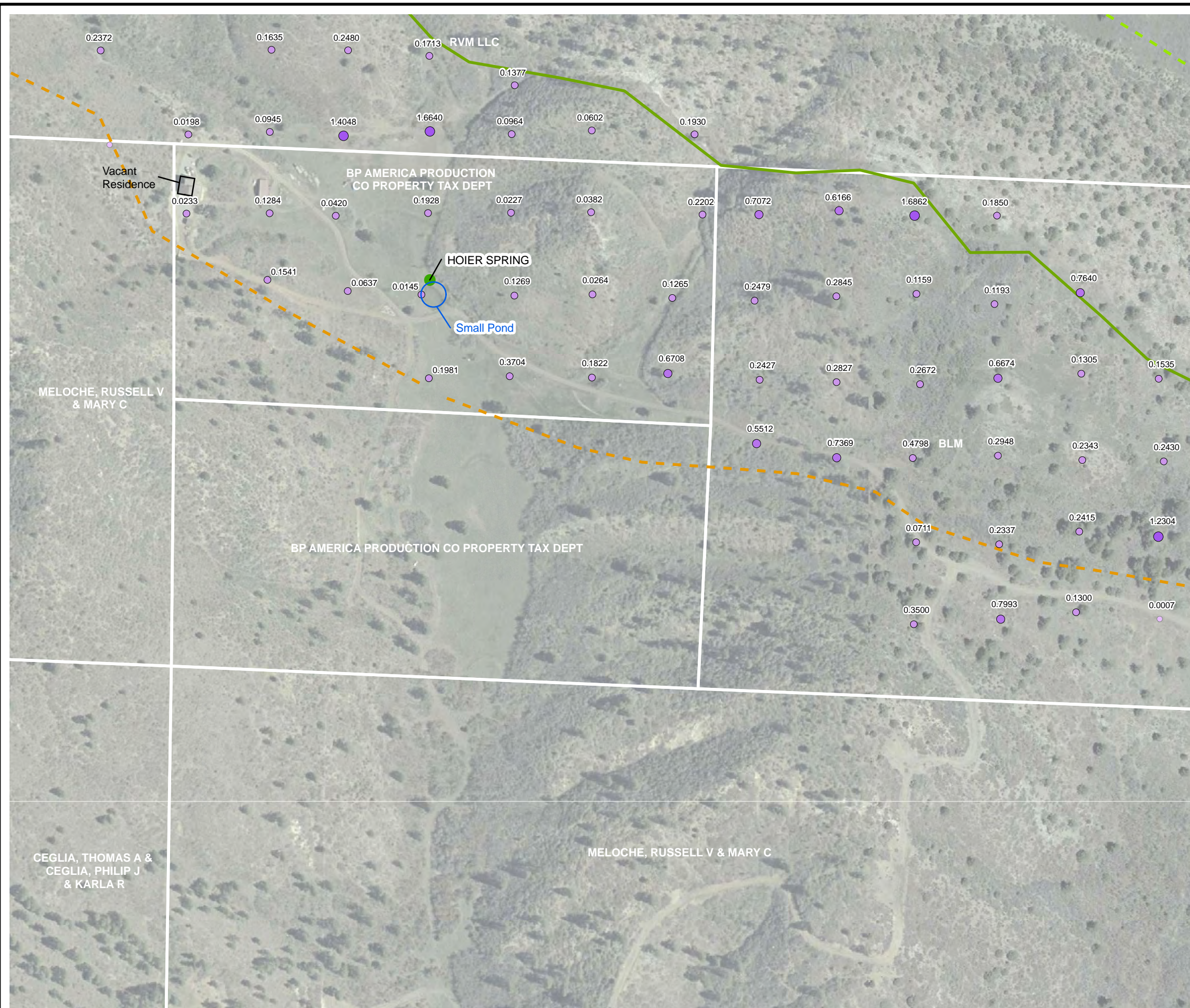


FIGURE 26
METHANE FLUX MEASUREMENTS
BP HIGHLANDS
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





LEGEND

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



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



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

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

Methane Flux Location (mol/m² • day)

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

Geology

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

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

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

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

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

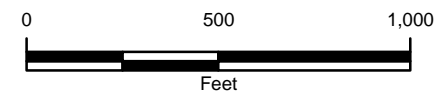


FIGURE 28
METHANE FLUX MEASUREMENTS
PINE RIVER
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP





LEGEND

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



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



IMAGE COURTESY OF LA PLATA COUNTY, 2007



LEGEND

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

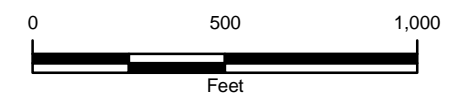
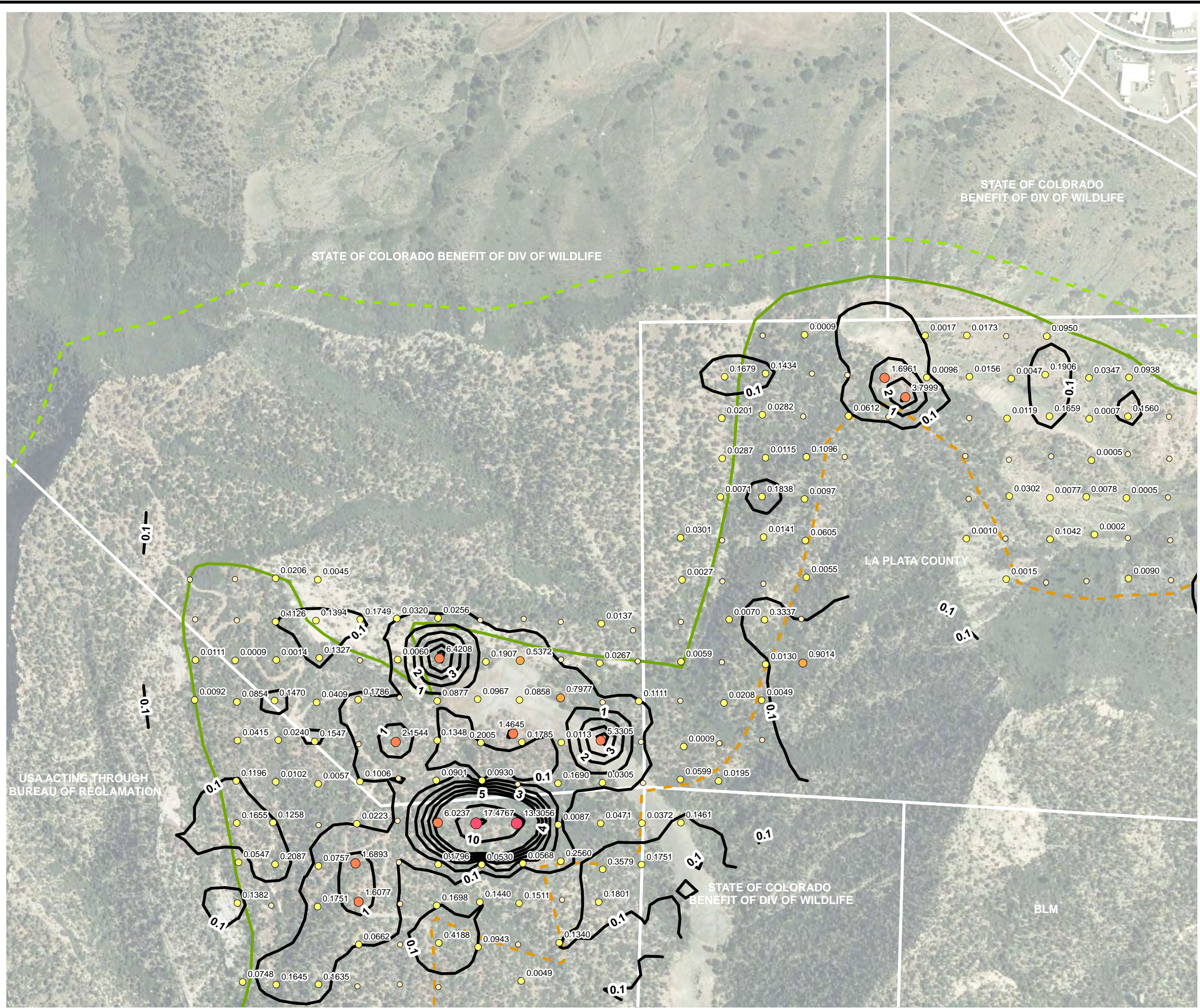


FIGURE 30
METHANE FLUX CONTOURS
BASIN CREEK
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

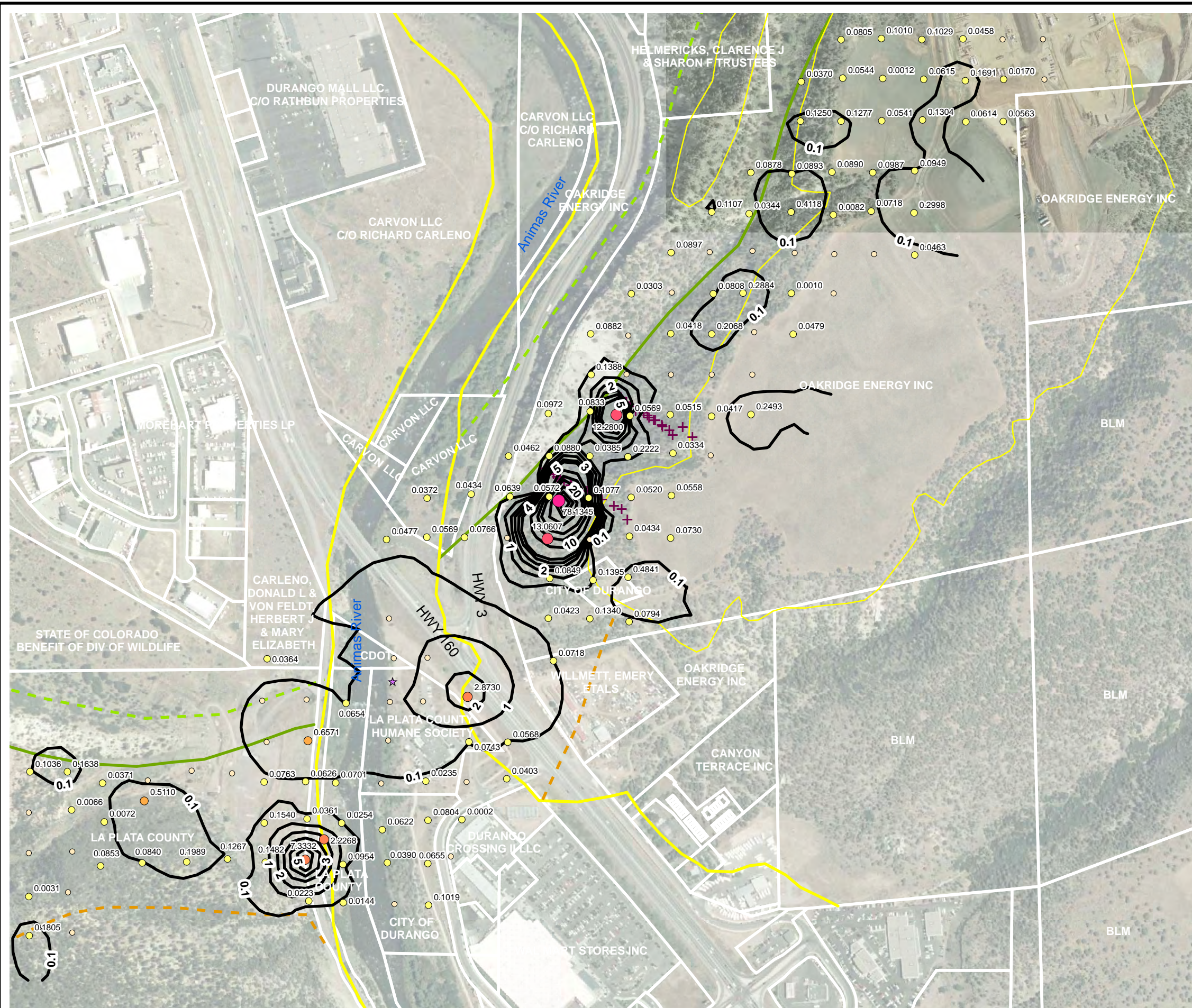
- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)
- Methane Flux Location (mol/m² · day)
 - 0.0000
 - 0.0001 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 1175.0000
- Methane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



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



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

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

Methane Flux Location (mol/m² · day)

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

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

Geology

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

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

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

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

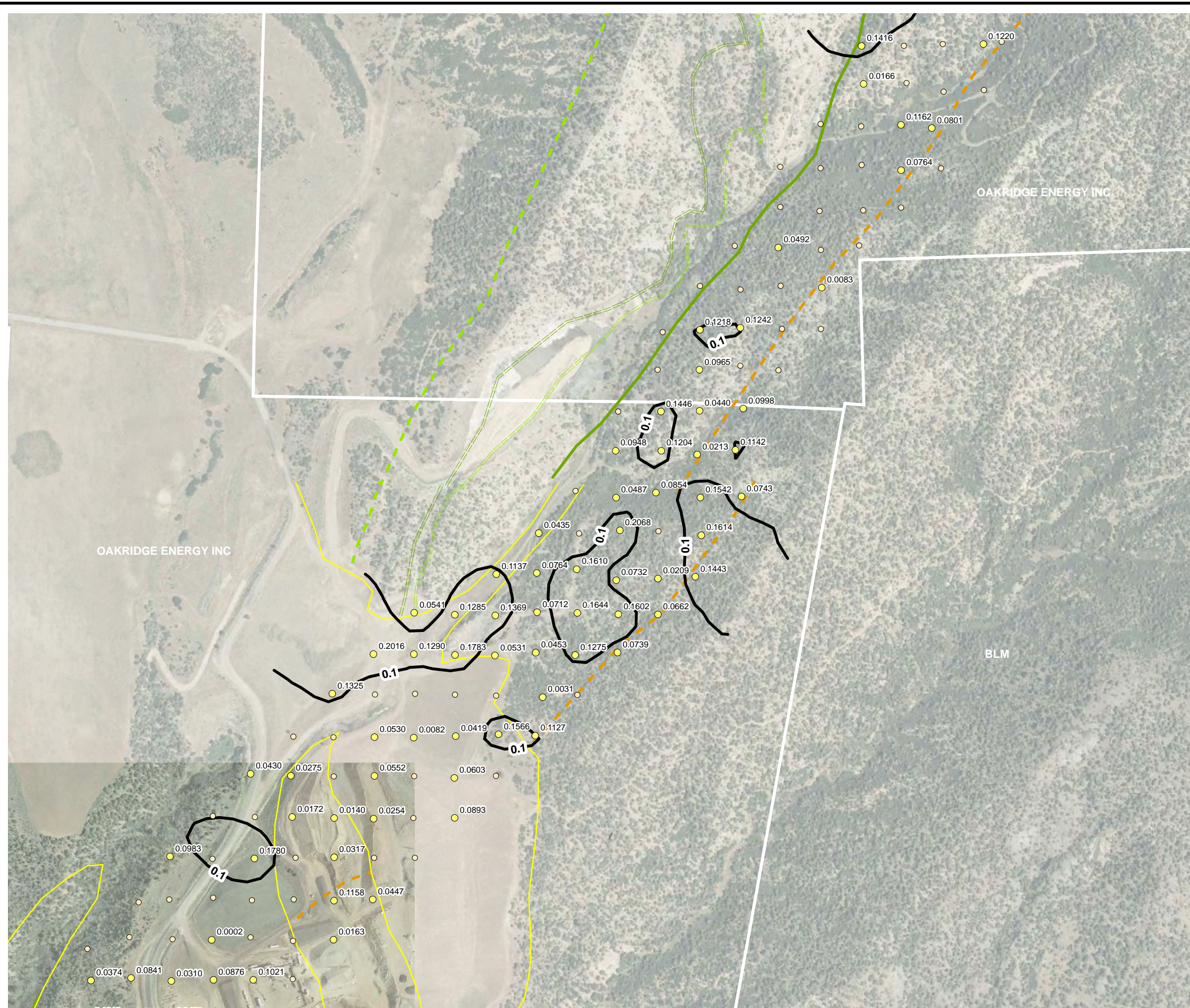
* Subsurface methane measurements collected from temporary soil probes advanced with slide hammer.



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



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

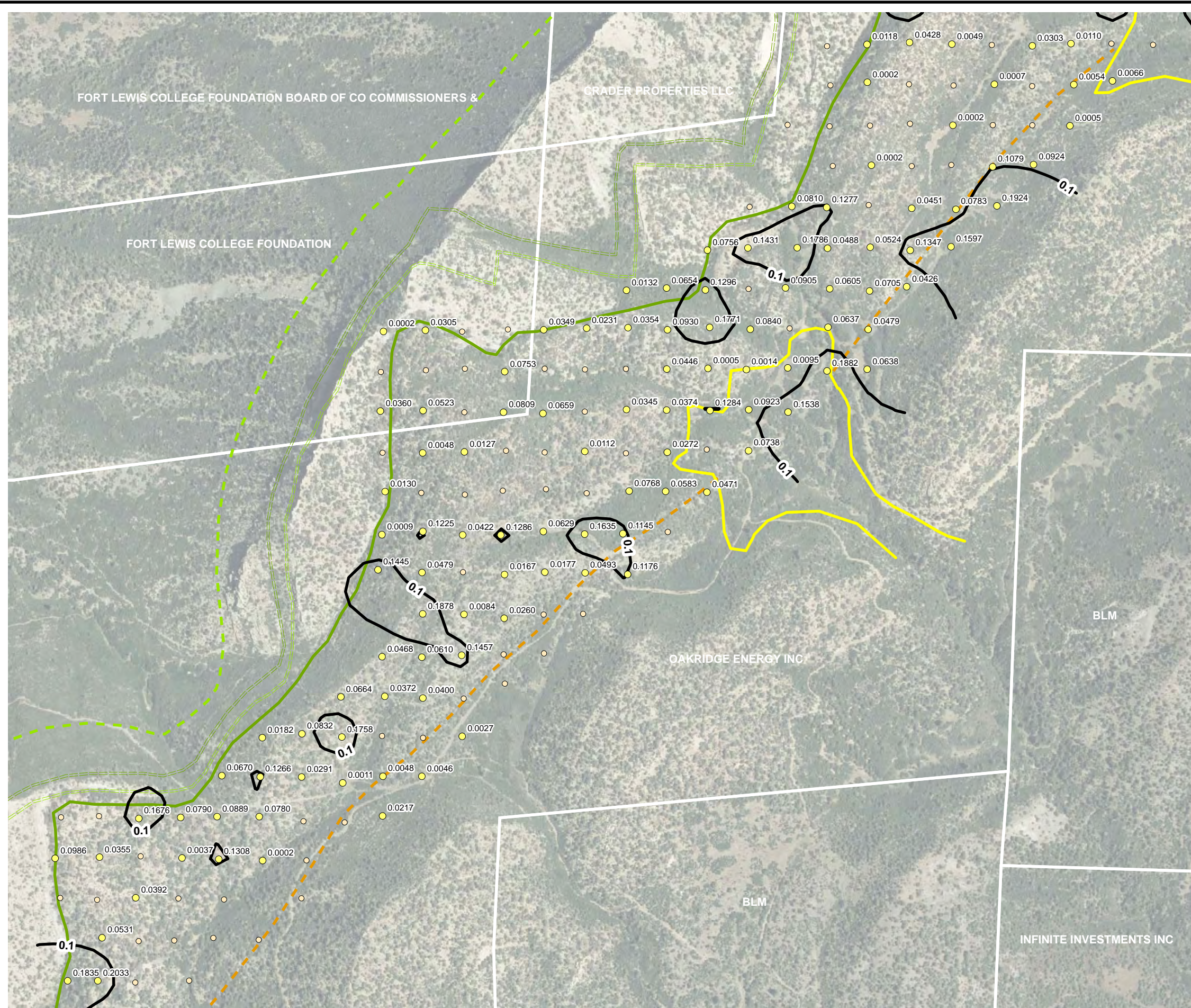
- ☆ Subsurface Methane Measurement
 - + Gas Monitoring Probes
 - ★ Gas Flux Chambers
 - Parcel Boundary & Owner (white)
- Methane Flux Location (mol/m² • day)
- 0.0000
 - 0.0001 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 1175.0000
- Methane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



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



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

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

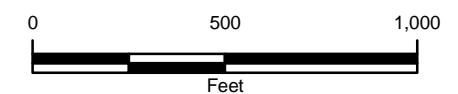
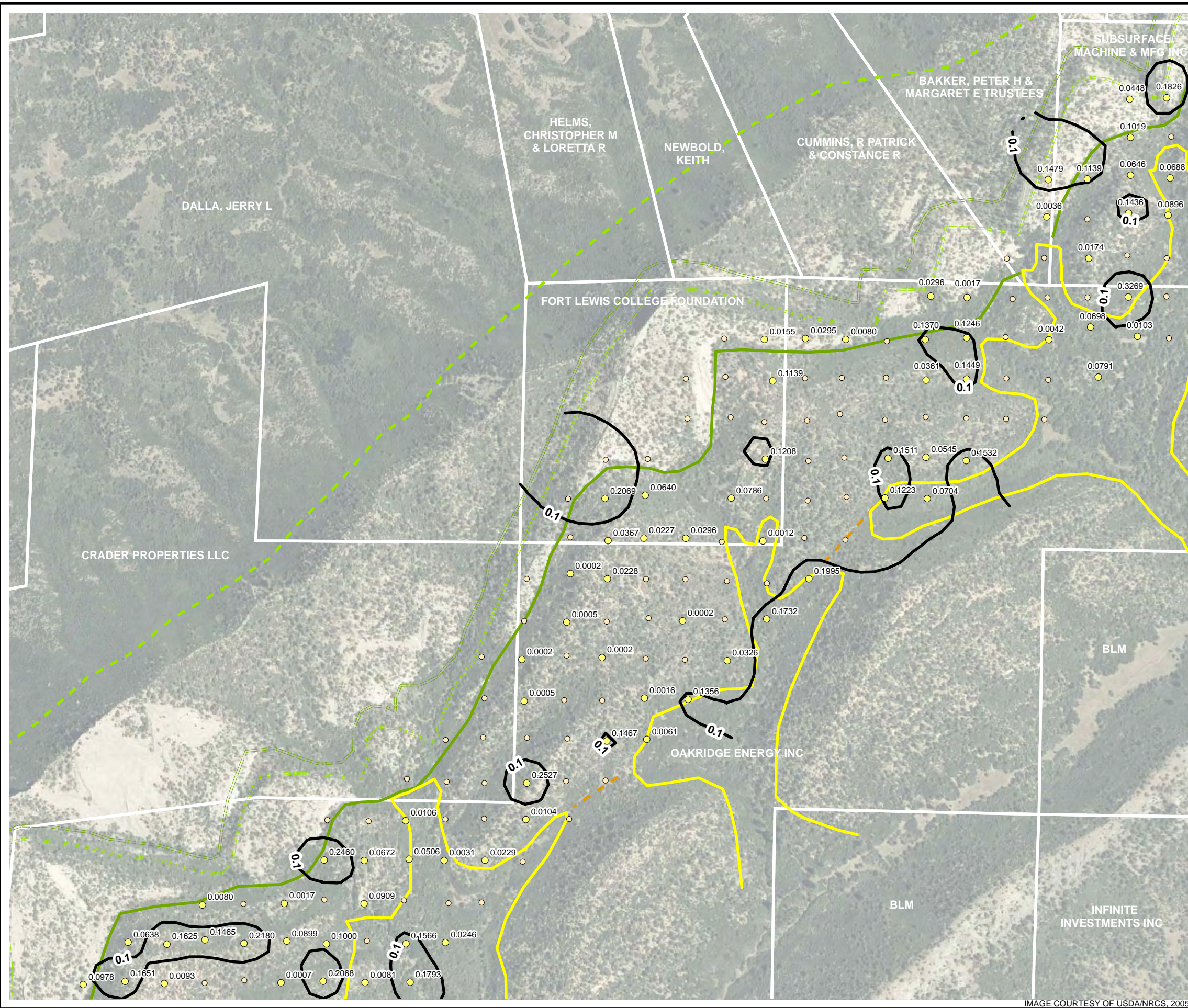


FIGURE 34
METHANE FLUX CONTOURS
HORSE GULCH CENTRAL
2008 FRUITLAND OUTCROP MONITORING
LA PLATA COUNTY, COLORADO
THE GROUP



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

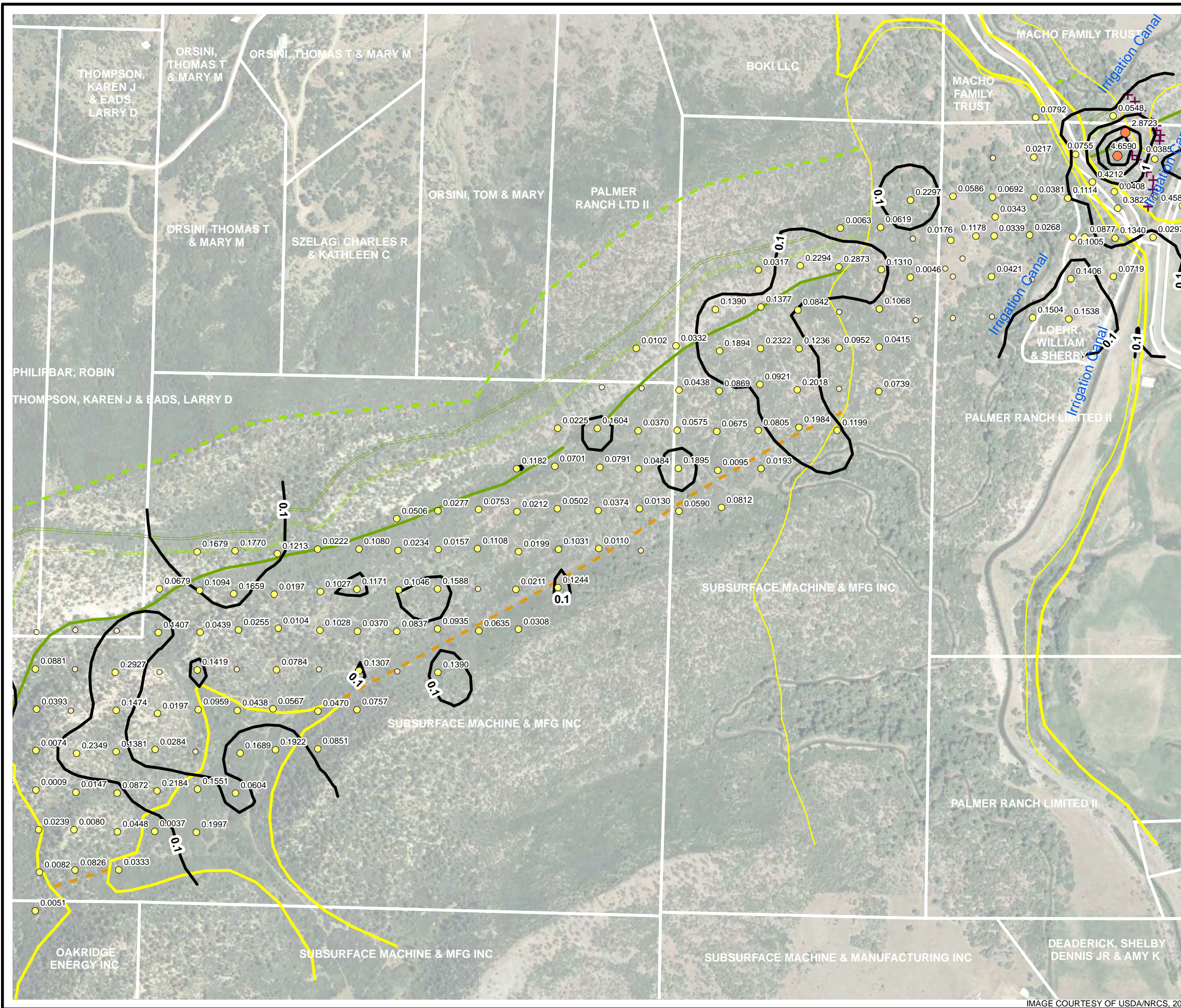
- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)
- Methane Flux Location (mol/m² · day)
 - 0.0000
 - 0.0001 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 1175.0000
- Methane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



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



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

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

Methane Flux Location (mol/m² · day)

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

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

Geology

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

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

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

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

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



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



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

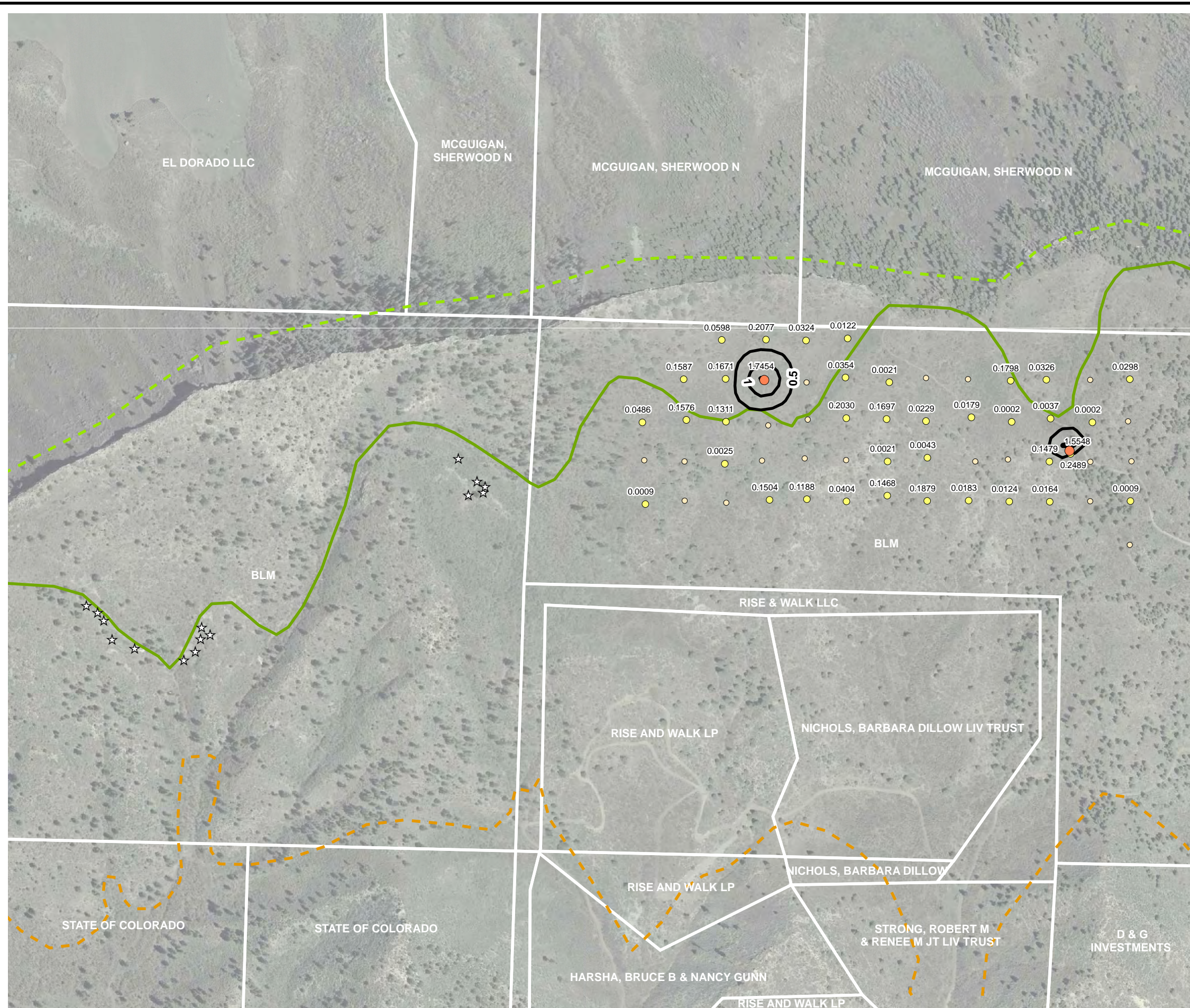
- ☆ Subsurface Methane Measurement
- + Gas Monitoring Probes
- ★ Gas Flux Chambers
- Parcel Boundary & Owner (white)
- Methane Flux Location (mol/m² · day)
 - 0.0000
 - 0.0001 - 0.5000
 - 0.5001 - 1.0000
 - 1.0001 - 10.0000
 - 10.0001 - 50.0000
 - 50.0001 - 100.0000
 - 100.0001 - 1175.0000
- Methane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



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



IMAGE COURTESY OF USDA/NRCS, 2005



LEGEND

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

Methane Flux Location (mol/m² · day)

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

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

Geology

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

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

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

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

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



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



IMAGE COURTESY OF LA PLATA COUNTY, 2007