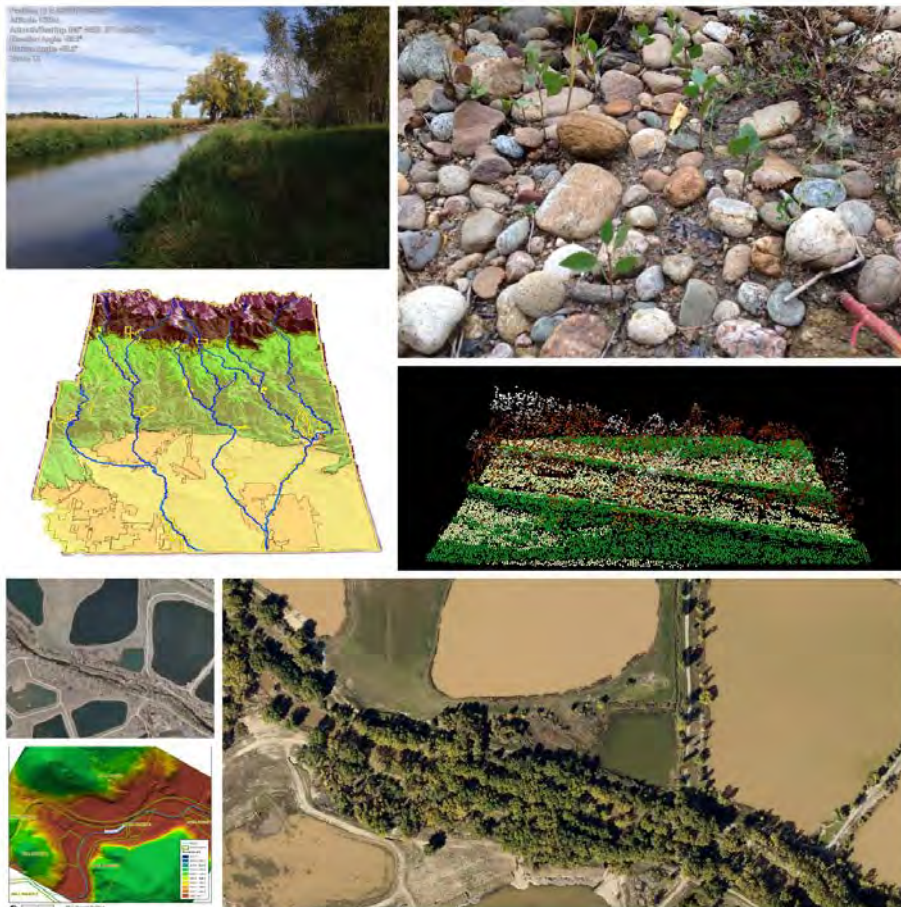


Pre- and Post-flood Assessment and Monitoring of Boulder County Riparian Areas

Project Report
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Abstract

The September 2013 floods in Boulder County caused extensive damage to property and infrastructure, but the effects on riparian ecosystems remain poorly understood. To improve basic understanding of the effects on riparian ecosystems, an approach combining remote-sensing and GIS analyses along with field sampling to map riparian forests, quantify changes within the riparian corridor, and document conditions in BCPOS riparian areas was developed. This report summarizes these analyses for riparian areas occurring along major streams on Boulder County Parks and Open Space (BCPOS) property.

Lidar and multispectral imagery were used to develop pre-flood and post-flood maps of riparian areas along selected study area streams. Height information from lidar data sets were used to characterize structure and maps were compared to evaluate changes to riparian zone and channel topography and surface morphology. Lidar analyses identified a variety of impacts to riparian corridors including changes in channel plan form and cross-sectional geometry. Image and lidar canopy models revealed changes in riparian tree canopy cover.

To complement these analyses and provide site-specific measures of riparian condition, a spatially-balanced statistical sampling design was used to identify points for field sampling. Points were drawn from areas of BCPOS properties with riparian frontage along Boulder and Lefthand Creeks, the St. Vrain River and their major tributaries. Field metrics of geomorphic characteristics, vegetation and soil cover, canopy structure, exotic plants, and channel condition were evaluated at sampled stream reaches and data were combined with extensive photo points to provide a baseline for assessing riparian corridor recovery.

There were significant differences between the nature of impacts between stream reaches located in dissimilar geomorphic process domains such as bedrock-confined foothills streams and unconfined alluvial rivers on the plains. The extent and magnitude of changes were spatially

variable within and between study area streams and individual BCPOS properties. Field data also revealed variable impacts at the site level. Localized changes in included channel and bank erosion, and extensive areas of sediment and debris deposits. Depositional deposits of coarse alluvium, ranging in size from sand and gravel to cobbles and boulders, characterized many stream reaches, especially along the St. Vrain River.

Data from field sampling also revealed significant flood effects on the geomorphic characteristics of stream channels and banks. Of particular importance to riparian communities are impacts to streambank stability, cross-sectional elevation profile, and the creation of extensive areas of sparsely-vegetated substrates. A variety of exotic species were common in field plots, but field data also documented extensive cottonwood (*Populus* spp.) and willow (*Salix* spp.) seedling emergence. Seedling density in excess of 60 seedling/m² were observed along all major rivers on the plains and on a variety of geomorphic surfaces from depositional bars to high riparian terraces. The high abundance of seedlings suggests that the establishment of a new cohort of riparian trees will be among the more important ecological effects from the 2013 flood on BCPOS properties.

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Introduction and objectives

Background

The September 2013 Colorado Front Range flood was among the state's most destructive, causing unprecedented damage to property and infrastructure. Particularly severe impacts occurred in Boulder County, with flooding along all major rivers. While the process of recovery will be long, the broad economic consequences of the floods are well understood. In contrast, impacts of the floods on riparian ecosystems remains poorly understood. Riparian areas are a critical ecological resource in the region, important areas for biodiversity and the provisioning of a variety of ecosystem functions (Stohlgren et al. 1997, Patten 1998, Brauman et al. 2007). Their condition is key to the ecological integrity of adjacent terrestrial and aquatic ecosystems and should be a focal point for management.

BCPOS manages extensive riparian resources found across a range of physical and ecological settings. Effective management requires basic information on resource extent, composition, condition, and uses. The extent and severity of the 2013 floods, assessing impacts and recovery issues requires a comprehensive approach that is properly scaled to the diversity of affected rivers. Remote sensing analyses can provide information unobtainable through other means. High-resolution satellite imagery and lidar (high resolution 3D airborne laser scanning data) are available before and after the flood for much of the Front Range region provide a means of evaluating pre-and post-flood riparian extent and condition and for assessing change.

There are limits to the kind of data that can be collected using remote sensing alone. Many elements of riparian condition such as the presence of exotic species are best assessed through field visitation. However, given BCPOS's extensive and diverse properties, it is unfeasible to directly sample the entirety of BCPOS streams. A statistically-based sampling

approach provides a way to develop broad inferences of flood effects and riparian condition. Ideally, both remote sensing and field-based methods can be combined.

To date, there have been no comprehensive assessment of riparian conditions on BCPOS properties. Information from these kind of analyses are an essential starting point from which to inform decisions about allocating finite resources for management and restoration. The study presented here attempted to develop and implement such a framework.

Objectives

The broad aim of this study was to provide was to develop baseline data and maps to post-flood recovery and management of BCPOS riparian areas. Specific objectives included the following:

1. Quantify changes to BCPOS riparian areas along major streams from the 2013 flood by mapping the extent and three-dimensional structure of pre-flood and post-flood riparian communities using remote sensing analyses.
2. Develop a spatially balanced sampling design for field sampling to characterize riparian areas, evaluate flood impacts, and provide a baseline for monitoring riparian area recovery.
3. Apply a rapid field protocol for assessing basic aspects of physical structure and condition.

Data from these analyses will be helpful for evaluating post-flood riparian change, structure, and condition, and provide a baseline for monitoring future recovery. This report summarizes the data, analyses, and primary findings. Maps and digital data products are provided as appendices.

Methods

Overview

There were three main components to this study: (1) GIS and remote sensing mapping of riparian resources and quantification of changes in riparian cover and structure; (2) development of a statistical sampling framework for directing analyses of riparian condition in the field; and (3) field sampling using rapid assessment metrics to assess riparian condition and provide a baseline on recovery.

Study area

Analyses were focused on riparian areas along Boulder, St. Vrain, and Left Hand Creeks, as well their major tributaries. Only properties owned and managed by BCPOS occurring east of the Peak to Peak Highway (Figure 1) were evaluated. These occur from the plains through the upper montane life zones (Marr 1961). Streams in the study area differ from each other in length, elevation, and the amount of riparian frontage on the BCPOS property (Figure 2). Streams exhibit important functional differences as they pass through distinct geomorphic process domains, from low-order, unconfined or partially-confined streams in glaciated valleys the high mountains, through steep, high gradient confined streams in mid-elevation montane areas, to broad, unconfined alluvial rivers on the plains. Importantly, BCPOS properties are discontinuously distributed along the major streams in the study area, with some rivers over represented or underrepresented relative to total stream area in the County. While BCPOS manages several large tracts in the mountains (e.g. Heil Ranch), these often lack significant riparian frontage along the selected study area streams.

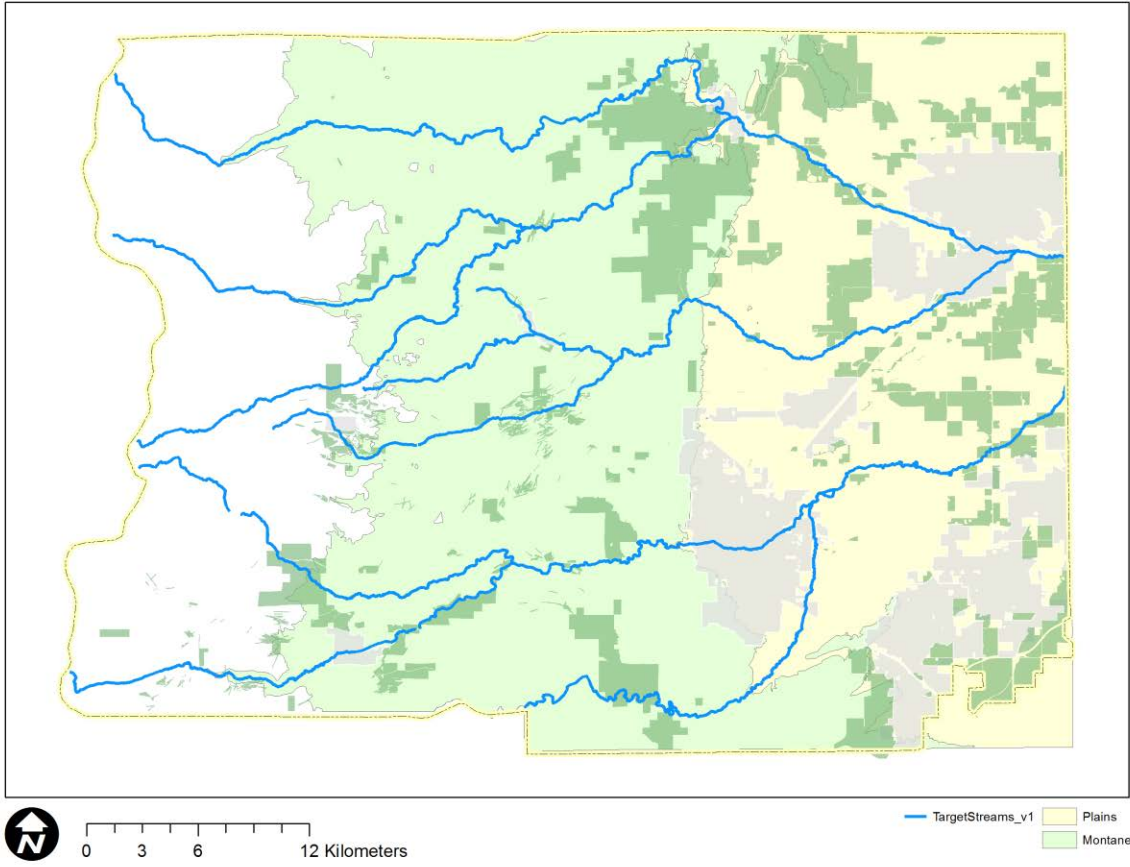


Figure 1. Location of major perennial streams in Boulder County and BCPOS managed properties abutting streams. Analyses were limited to areas with available lidar data in the plains and montane life zones east of the Peak to Peak Highway.

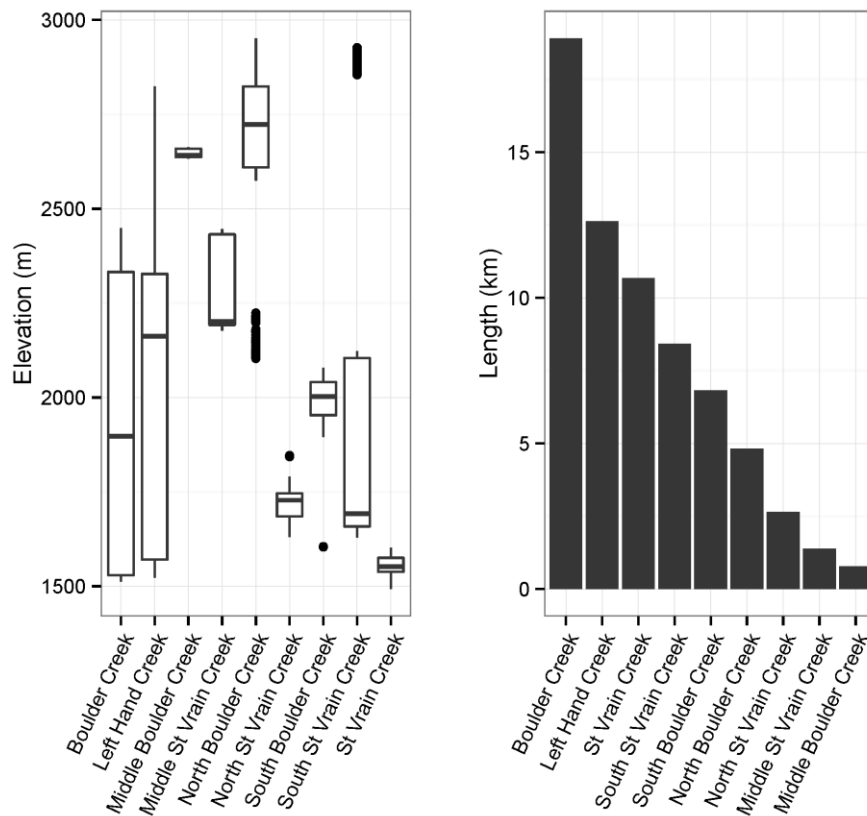


Figure 2. General characteristics of study area streams intersecting BCPOS properties. Boxplots of elevation for station points located along stream centerline for each major stream (left panel). Relative stream length for study area streams (right panel).

GIS and Remote Sensing analyses

Riparian mapping and morphometric analyses included the following general steps: (1) lidar and image data preprocessing; (2) lidar point classification and raster generation; (3) raster classification and segmentation; and (4) analysis of derived map products. A similar process was followed in analyzing pre-flood and post-flood data sets. An overview of the analysis approach is presented in Figure 3.

Small-footprint multiple-return lidar point cloud and intensity data collected in the spring and summer of 2011 were used to represent pre-flood conditions. Lidar data collected in October and November 2013 were used to represent post-flood conditions. Using processing algorithms

in the lastools library (Rapid Lasso, GmB; www.rapidlasso.com), raw LAS datafiles were cleaned and classified into ground (bare-Earth) and non-ground (canopy, building) points. Classified lidar data sets were used to generate separate 0.5 m resolution raster grids based on first returns, bare Earth, and lidar intensity (Figure 4). Normalized digital surface models (nDSM) representing the height of features above the ground surface were then created.

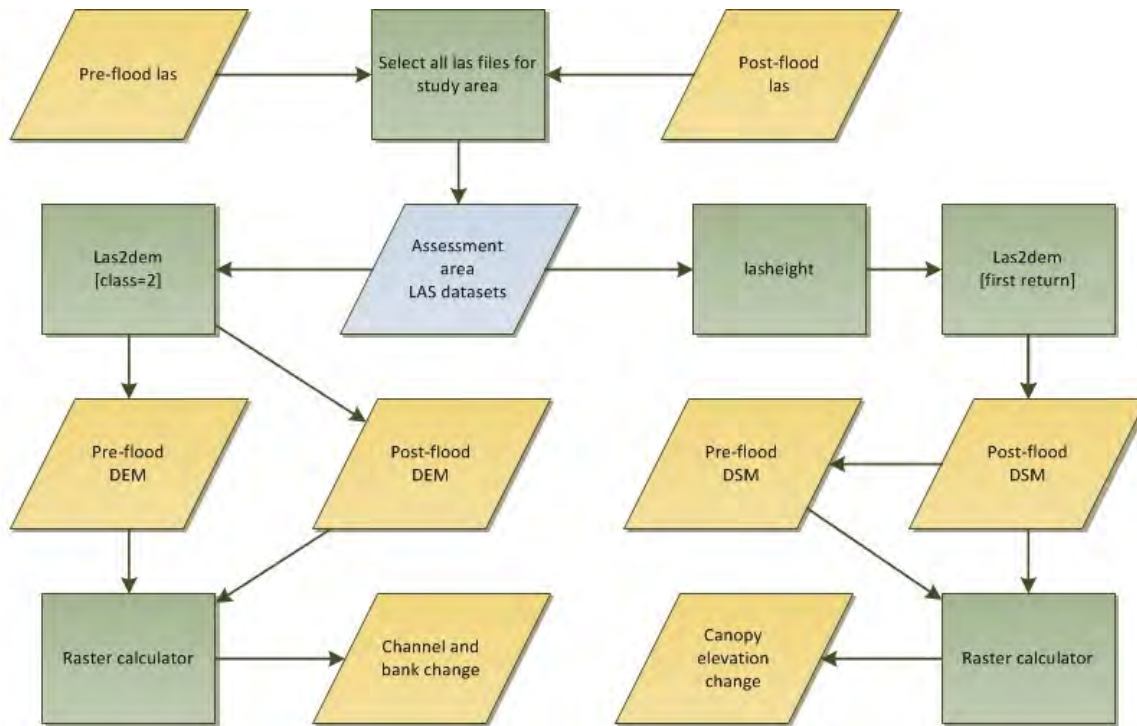


Figure 3. Remote sensing flow chart illustrating the main steps in one of the lidar data processing workflows used in this study.

Canopy height models (CHM), which are raster representations of tree canopy cover and structure, were developed by applying algorithms leveraging patterns of fine scale variance in point elevation to differentiate building and tree canopy (Khosravipour et al. 2014). These data were then used to derive vector representations of tree cover used in subsequent analyses of riparian areas along study area stream reaches. CHM models were processed using a watershed image segmentation routine to delineate individual tree crowns and enumerate trees. This approach is more effective with coniferous trees with conical canopies. Large deciduous

trees with multiple local canopy height maxima may be incorrectly delineated as multiple individual crowns; thus, these results are best viewed as approximations.

While lidar data were used for primary classification tasks, pre-and post-flood imagery were used to validate classification and for assist interpretation. Four-band (blue, green, red, near infrared) multispectral imagery collected in 2010 as part of a regional imagery and lidar data acquisition were obtained from the Boulder County GIS Department and represented pre-flood conditions. Post-flood 3-band true color data collected in October and November 2013 were used to represent post-flood conditions. The original imagery provided at a 0.125 m resolution was resampled using bilinear interpolation to a 0.25 m² pixel size (0.5 m GSD) to increase processing efficiency and reduce storage volume.

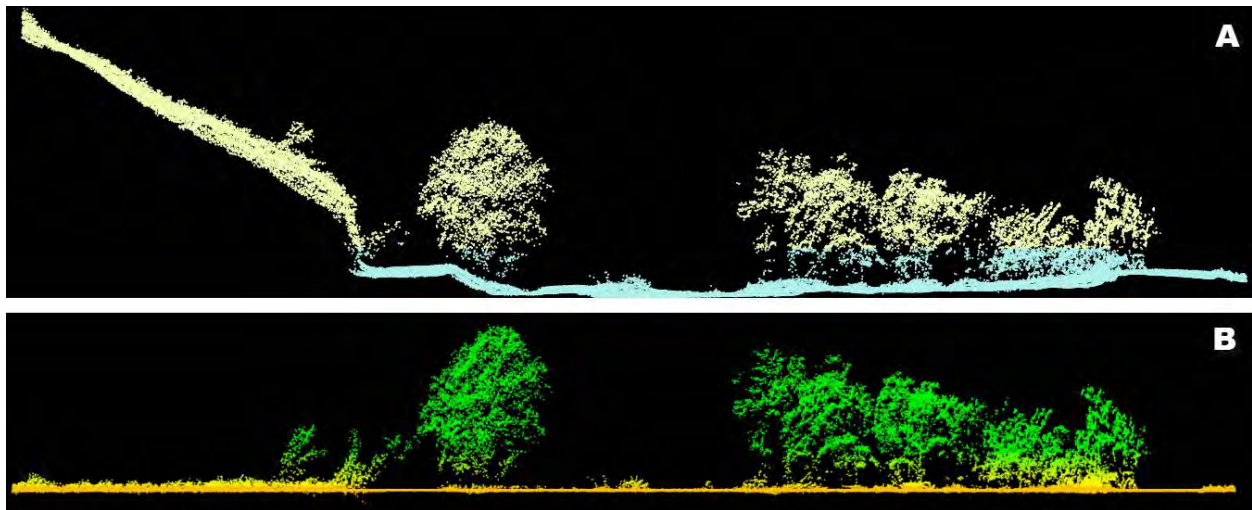


Figure 4. Example of point cloud before (A) and after (B) height normalization, whereby local elevation above a common base elevation of 0 is calculated using first return and bare ground surfaces.

Zonal analysis

To provide a framework for analysis, the intersection of BCPOS properties along study area streams and a polygon data layer provided by BOCO GIS depicting the maximum extent of the

2013 flood was calculated in ArcGIS. In general, the constrained nature of streams in the mountains reduced the lateral extent of overbank flooding, so a buffer of 75 m was used around streams. The combined inundated area and buffer were used to clip raster data. For reporting, zonal statistics in ArcGIS were used to extract relevant variables for those portions of properties in the combined buffer-inundated area mask. Importantly, these areas include non-riparian habitats, as the extent of the inundated area, particularly on the plains, was in cases very broad, particularly where there was active channel avulsion.

Analyses of cross-sections provide a complementary way to evaluate changes in topography. When used with bare earth surfaces, these can be used to identify patterns of deposition or erosion, while analyses of first return or nDSM surfaces can provide information regarding changes in riparian canopy cover and structure. Transects were manually created spanning a riparian zone. Elevation from different lidar derived raster layers were extracted to station points along a transect lines and plotted.

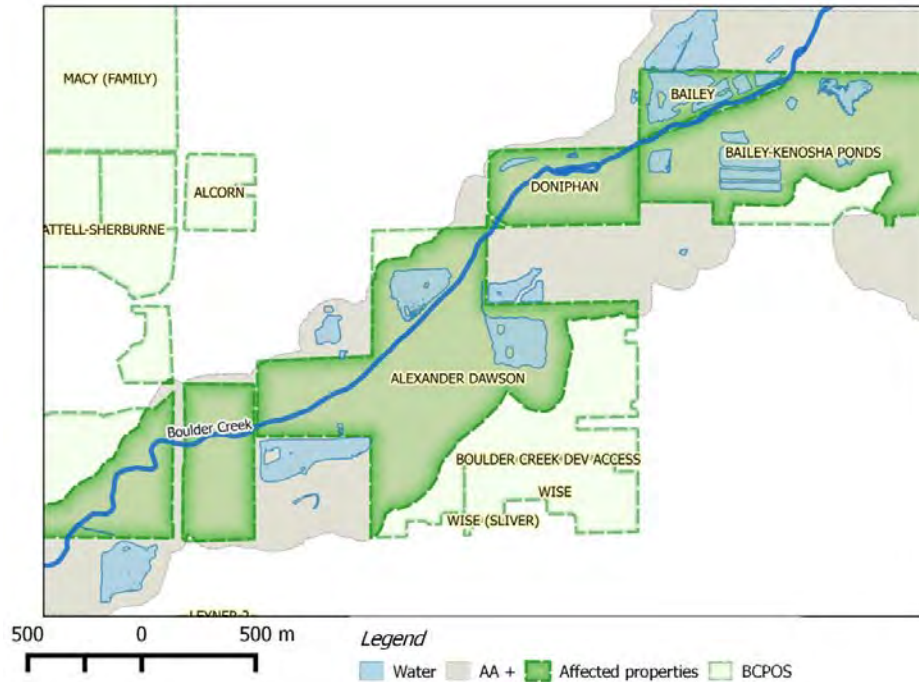


Figure 5. Illustration of how the intersection of flood-affected areas (grey polygon) and BCPOS property data were used to define an assessment area (green polygons) for a remote sensing analysis.

Field sampling

Sampling design

To compliment remote sensing analyses, riparian condition was assessed in the field using a set of rapid condition metrics along study area stream reaches. Random sampling locations were generated using a spatially balanced sampling design with stream centerlines from the US Geological Survey's National Hydrography Dataset (NHD) intersecting BCPOS properties as the sample frame. The Randomized Quadrant-Recursive Raster (RRQRR) algorithm in the ArcGIS Geostatistical Analyst toolbox, which maximizes the spatial independence among sample locations, thereby improving statistical efficiency (Theobald et al. 2007, Olsen et al. 2012), was used to generate a sequential list of 1000 points from the sample frame (Appendix 1). The RRQRR algorithm produces an ordered list of sample points, from which contiguous ranges of points have the property of approximate spatial balance. The intent was not to sample all the features in the full set of 1000 points; rather, a large oversample was included to allow for

flexible use of the sample design in the future, for example, by selecting additional points from the sample list as part of a multiyear panel sampling regime (Appendix 1). A fraction of points from this this complete list were visited in the field (appendix 3; see description below)

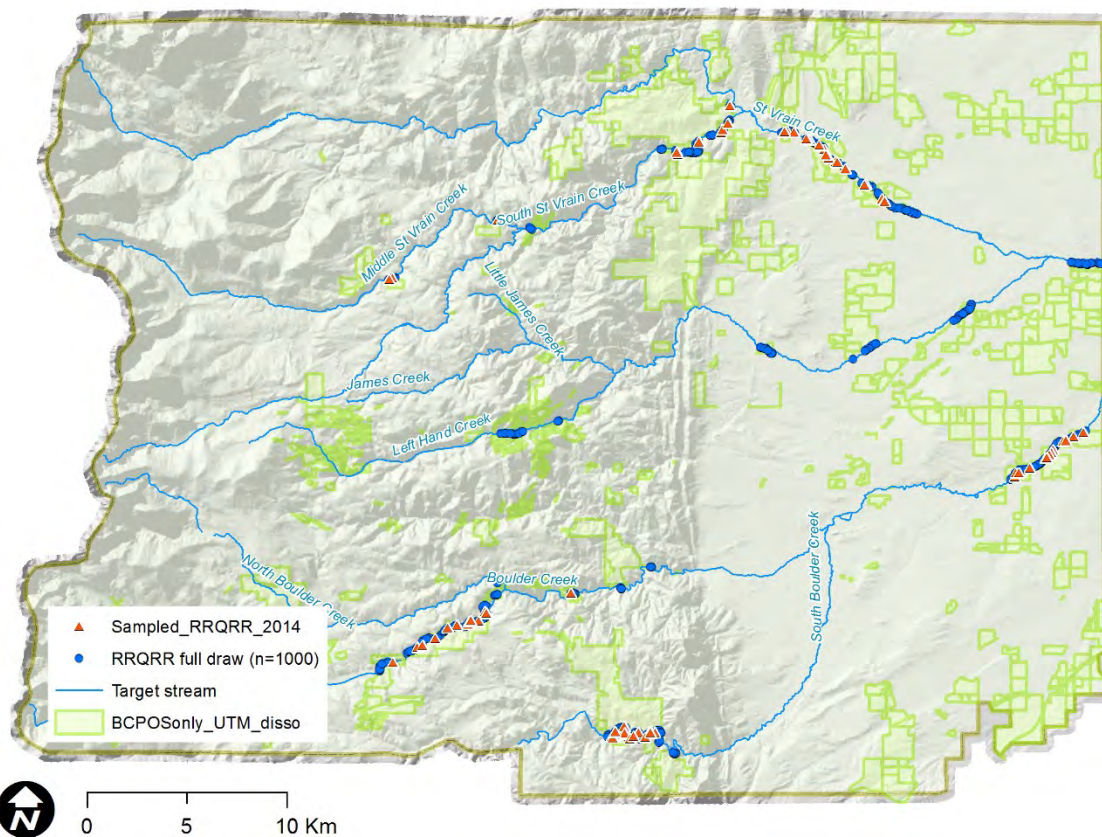


Figure 6. Location of sample points across study area, including extensive oversample. Diamonds corresponds to sampled points.

Reach selection and transect layout

Ninety five sites were visited from the master RRQRR point draw list. A GPS unit was used to navigate to the target RRQRR point where transects and field plots were established for collecting field data. Positional inaccuracies in the underlying stream centerline file used as the sampling frame were not uncommon. In these cases, the sampling point was shifted to the location on the stream edge of the stream and a new GPS point established. Points were rejected entirely where access, safety, or ownership was in question and the next point on the

sample list selected for visitation. Sampled points were visited on properties on all of the target area streams and elevation zones.

Vegetation and soil cover

Field sampling approach was centered on a transect line established perpendicular to the stream channel at the GPS coordinate defined by the RRQRR sample draw. A 10" steel stake and aluminum tag was installed at the zero-point of each transect, located perpendicular to the stream at the edge of the active riparian zone, and the transect azimuth recorded. A field tape was then extended to the edge of the water. The lateral distance from the active stream channel varied among transects depending on the geomorphic characteristics of individual sites. Along streams in narrow, geomorphically-confined areas with no developed floodplain, the zero point was well above maximum 2013 flood stage. However, in many locations on the plains, the inundated area extended hundreds of meters from the original and current channel locations. In these instances, the zero point was located at a position above the estimated normal bankfull position.

Starting from the transect zero point, square 1 m² plots were systematically placed at equal intervals and used to sample the percent cover of soil-surface features, geomorphic surface type, vegetation cover by physiognomic class, and weed cover. The number and spacing of plots varied among transects as a function of riparian zone width and topography, but a minimum of three plots spaced no closer than 1 m were sampled. Transects were bank-specific; i.e., a single transect line oriented orthogonally to the stream channel on either the right or left bank was sampled.

An area extending 5 m downstream from the zero point parallel with the stream was defined at each transect. In these plots, the diameter at breast height and species of trees was recorded. The health and vigor of trees was assessed using a semi-quantitative scale developed by the US Forest Service for riparian monitoring (Forest Service National Riparian

Technical Team 2014) by comparing the observed proportion of tree canopy showing evidence of leaf or branch die back relative to estimated full canopy characteristics (Table 1). Because a variety of factors can influence tree condition (e.g., disease, drought stress, etc.), specific evidence of flood damage was noted on the data forms in the field. This larger assessment area was also used for evaluating weed cover and native plant regeneration processes.

Table 1. Tree condition rating scale used to evaluate trees occurring in assessment area.

Tree condition rating	description
Critically stressed	Major leaf death and or branch die back (>50% of canopy volume affected)
Significantly stressed	Prominent leaf death and or branch die back (21-50% of canopy volume affected)
Stressed	Minimal leaf death and or branch die back (11-20% of canopy volume affected)
Normal	Little or no sign of leaf water stress/no water stress related leaf death (between 5 and 10 percent of canopy affected)
Vigorous	No sign of leaf water stress/very healthy looking canopy (< 5%of canopy affected)

At each transect location, multiple geo-tagged photographs were taken as photo points to provide a qualitative record of condition. Photos were taken at the edge of water and zero point of the transect and included areas upstream and downstream. Additional photographs were taken of notable features in the vicinity of the transect (e.g., large debris piles, flood scour, etc.).

Geomorphic characteristics

Each stream reach sampled in the field was classified into one of three geomorphic classes based on local physiographic characteristics: fully-confined, partially-confined, or unconfined (Table 2). Channel confinement is an important variable influencing hydrogeomorphic processes in river systems and their adjacent riparian areas and provides an indicator of the importance of hillslope processes in influencing the planform geometry of streams (Nanson and Croke 1992). Geomorphic responses to floods, particularly large magnitude events, can vary dramatically as a function of the degree of channel confinement (Wohl 2000).

Table 2. Degree of channel confinement attributed to sampled reaches. Descriptions adapted from Carlson (2009) and Nanson and Coke (1992).

Valley type	Description
Fully Confined	Hill slopes confine lateral channel migration and meandering width. Confinement may occur as the result of natural (e.g., bedrock outcropping) or anthropogenic features (e.g., railroad or road prism)
Partially Confined	Hill slopes partially confine lateral channel migration and meandering. Confinement may occur as the result of natural (e.g., bedrock outcropping) or anthropogenic features (e.g., railroad prism)
Unconfined	Channels are free to migrate unimpeded by adjacent hillslopes.

Plots along transects were classified by relative geomorphic position within the stream corridor. Classes identified included channel bed and depositional bars within the active channel; the flood plain and banks, subject to recurring high flows; and riparian and upland terraces supporting relict stands of cottonwood but no longer subject to regular flooding (Table 3). Because these terraces are located so high above the stream, they are typically dominated by upland species in the understory (Scott and Reynolds 2007).

Table 3. Geomorphic surfaces attributed to each sampling point along sampled transects. Descriptions modified from Scott and Reynolds (2007) as originally presented in Hupp and Osterkamp (1985),

Geomorphic surface	Description
Channel bed and depositional bars	The portion of the stream channel continually inundated in perennial streams. Elevation of depositional bars greater than stream base-flow.
Active channel shelf	Surface between the flood plain bank and the lower limit of persistent vegetation. Marks the edge of the channel bed or depositional bar and commonly. Frequently inundated and commonly supporting flood-tolerant woody species.
Flood plain	Portion of the riparian zone typically inundated by recurrent high flows and dominated by woody riparian vegetation.
Flood-plain bank	A relatively steep transitional surface between the channel bed, depositional bar, or active channel shelf and the flood plain
Riparian terrace	Terraces are relict flood plains whose surfaces are rarely if ever inundated by flows of the modern river. Understory vegetation dominated by upland species, but locations support relict cottonwoods.
Upland terrace	Higher, older terraces formed from channel incision of valley fills. Dominated by upland vegetation and not considered part of the riparian zone.
Colluvium	Material transported and deposited by the action of gravity. Dominated by upland vegetation.
Bedrock	Stream flow is completely confined within bedrock or bounded by side-

Geomorphic surface	Description
	valley exposures of bedrock.

Riparian condition

A stream reach was identified surrounding each sampled transect and was used in the collection of several rapid field assessment metrics. The specific metrics were adapted from existing riparian condition protocols developed by the US Forest Service and Natural Heritage programs (Muldavin et al. 2011, Lemly and Gilligan 2013, Forest Service National Riparian Technical Team 2014). Specific metrics evaluated included riparian cover, channel and bank physical characteristics, native seedling establishment, tree damage/ mortality, and the cover of exotic plant species. The riparian canopy structure of each area was classified using vertical structural metrics (Table 4)(Muldavin et al. 2011).

Table 4. Vertical structure metric used to characterize stream reach and assessment area (Muldavin et al. 2011)

Vertical structure class	Description
Type 1 – Tall trees with a well-developed understory	Tall or mature to mixed-aged trees (>12 m [40 feet]) with canopy covering >25% of the area of the community (polygon) and understory layer (0–4.6 m [0–15 feet]) covering >25% of the area of the community (polygon). Substantial foliage is in all height layers.
Type 2 – Tall trees with little or no understory	Tall or mature to mixed-aged trees (>12 m [40 feet]) with canopy covering >25% of the area of the community (polygon) and understory layer (0–4.6 m [0–15 feet]) covering <25% of the area of the community (polygon). Majority of foliage is over 9 m (30 feet) above the ground.
Type 3 – Intermediate-sized trees with dense understory	Intermediate-sized trees (6–12 m [20–40 feet]) with canopy covering >25% of the area of the community (polygon) and understory layer (0–4.6 m [0–15 feet]) covering >25% of the area of the community (polygon). Majority of foliage is between 0 and 9 m (0–30 feet) above the ground.
Type 4 – Intermediate-sized trees with little or no understory	Intermediate-sized trees (6–12 m [20–40 feet]) with canopy covering >25% of the area of the community (polygon) and understory layer (0–4.6 m [0–15 feet]) covering <25% of the area of the community (polygon). Majority of foliage is between 4.6 and 9 m (15–30 feet) above the ground.
Type 5 – Stands with dense, shrubby growth	Young tree and shrub layer only (1.5–4.6 m [5–20 feet]) covering >25% of the area of the community (polygon). The majority of vegetation is between 0 and 4.6 m (0–15 feet) and may include

Vertical structure class	Description
	herbaceous vegetation underneath the woody vegetation.
Type 6 – Very young, low growth, and herbaceous	Young understory layer (0–1.5 m [0–5 feet]) or herbaceous vegetation covering >25% of the area of the community (polygon). Majority of foliage is between 0 and 1.5 m (0–5 feet).

The 2013 floods dramatically altered sediment regimes along the county’s streams. Flood flows eroded channels, beds, and banks, while slope failures in the mountains contributed abundant new sediment sources in other locations. Excess sediments can contribute to channel aggradation, while a decrease in supply relative to stream capacity will lead to erosion, and if severe enough, floodplain abandonment. Channel incision lead to decreases in the extent of wetland and riparian habitats as water table drop. Channel condition and hydrologic conductivity was assessed using rapid assessment metrics adapted from the New Mexico Rapid Assessment Method (NMRAM)(Muldavain et al. 2011) and the Colorado Natural Heritage Program (Lemly and Gilligan 2013). Ratings were based on gross channel and bank characteristics and the presence of specific condition indicators.

Table 5. Channel stability condition assessment ratings and description. Ratings were applied to the larger assessment area (AA) associated with each sampling point

Rating	Description
Poor	The channel is concrete or otherwise artificially hardened through most of the AA. Streambanks have <50% cover of stabilizing plant species
Fair	There is evidence of severe aggradation or degradation of most of the channel within or near the AA or the channel is artificially hardened through less than half of the AA. Streambanks may have 50–70% cover of stabilizing plant species within several bare areas
Good	Most of the channel within or near the AA is characterized by some aggradation or degradation, none of which is severe, and the channel seems to be approaching an equilibrium form. Streambanks may have 70–90% cover of stabilizing plant species, but some bare areas occur
Excellent	Most of the channel within or near the AA is characterized by naturally dynamic equilibrium conditions, with little evidence of excessive aggradation or degradation. Streambanks typically dominated (>90% cover) by stabilizing plant species,

Rating	Description
	including trees, shrubs, herbs

Table 6. Hydrologic connectivity assessment ratings and description. Ratings were applied to the larger assessment area (AA) associated with each sampling point

Rating	Description
Poor	Fully disconnected from floodplain, either through incision (no inset floodplain), bank modification/channelization, or hydrologic modification (i.e., abandonment of floodplain due to decreased peak flows). Indicators may include upland vegetation, lack of fresh sediment deposits, etc.
Fair	Somewhat incised channelized or modified, but with an inset floodplain formed, which is regularly inundated and supports appropriate vegetation and sediment regimes. The stream has no access to the natural floodplain due to incision, channelization, or flow modification, and the natural floodplain does not support riparian vegetation expect for relatively long-lived phreatophytes
Good	Access to the floodplain not limited or moderately limited by incision, channelization, etc., but less frequent inundation than fully connected streams described above. Floodplain supports a riparian overstory, but some understory plants may be upland. An inset floodplain supporting riparian vegetation may also be present.
Excellent	Fully connected to the natural floodplain. Broad floodplain except where naturally constricted by valley. Stream provides adequate hydrology to utilize floodplain. Indicators of bankfull discharge are at the bank/floodplain transition, with over-bankfull flows likely to inundate a broad area of floodplain. Floodplain supports riparian vegetation and shows signs of overbank sediment deposition.

Woody debris is a critical functional element in streams and riparian areas (Harmon et al. 1986, Richmond and Fauseh 1995). To provide a general assessment of woody debris characteristics, a rapid wetland condition assessment metric developed for use in Colorado was employed (Lemly and Gilligan 2013)(Table 7). Individual sample study reaches were assessed a score based on narrative descriptions of woody debris characteristics. Assessments were contextualized to the particular process domain in question, as the expected historical range of woody debris characteristics will differ depending on factors like adjacent land cover.

Table 7. Rapid assessment metric used to characterize woody debris along study reaches (Lemly and Gilligan 2013).

Rating	Description
--------	-------------

Poor	Assessment area lacks woody debris, even though inputs are available.
Fair	Assessment area characterized by small amounts of woody debris OR debris is somewhat excessive. For riverine wetlands, lack of debris may affect stream temperatures and reduce available habitat.
Good	Assessment area characterized by moderate amount of coarse and fine woody debris, relative to expected conditions. For riverine wetlands, debris is sufficient to trap sediment, but does not inhibit stream flow. For non-riverine wetlands, woody debris provides structural complexity, but does not overwhelm the site.
NA	There are no obvious inputs of woody debris.

Two additional metrics developed by the Colorado Natural Heritage Program were used to assess riparian species composition (Lemly and Gilligan 2013). The “percent native” metric rates areas based on the relative cover of native versus exotic species (Table 8). A second measure, “percent cover noxious weeds” is focused on the cover of non-native species found on the Colorado Department of Agriculture’s official weed list (Table 9). While a detailed botanical survey was not part of the field protocol, these metrics combined allow for broad statements of floristic quality, which may be useful for guiding more detailed analysis of plant community composition.

Table 8. Rapid assessment metric describing the percent native cover (Lemly and Gilligan 2013)

Rank	State
Poor	≤50% of vegetation cover within the assessment area is comprised of native species.
Borderline	>50–80% of vegetation cover within the assessment area is comprised of native species.
Fair	>80–95% of vegetation cover within the assessment area is comprised of native species
Good	>95–99% of vegetation cover within the assessment area is comprised of native species.
Excellent	>99% of vegetation cover within the assessment area is comprised of native species

Table 9. Rapid assessment metric describing the percent of the assessment area supporting noxious weed species listed on the Colorado Department of Agriculture’s official weed list.

Rank	State
Excellent (A)	Noxious weeds absent.
Good (B)	Noxious weeds present, but sporadic (<3% absolute cover).

Fair (C)	Noxious weeds common (3–10% cover).
Poor (D)	Noxious weed abundant (>10%) cover.

Results

GIS and remote sensing analyses

There were significant differences in riparian area associated with each stream and BCPOS property in the study area. A total of 1163 ha were included in the assessment area, defined as the intersection of BCPOS properties, the maximum extent of the 2013 flood waters, and for mountain areas, a buffer around stream to capture the adjacent forests. A majority of the resulting assessment area (73%) occurred on the plains (Table 10). Properties along Boulder Creek had the largest area within the assessment area (426 ha), followed by Lefthand Creek (78 ha). On the plains, the Alexander Dawson property on the plains had the greatest area in the assessment area (184.7 ha), while in the mountains, Walker Ranch had the greatest area (64.1 ha) followed by Platte-Rogers Memorial Park along Boulder Creek (46.5 ha)(Table 11).

Table 10. Area of BCPOS property (ha) within assessment area defined by the estimated maximum flood-inundated area plus 75 m buffer around stream centerline.

Creek	Mountains	Plains	Total
Boulder Creek	104.5	321.9	426.4
Left Hand Creek	28.6	49.3	78.0
Middle St Vrain Creek	20.7		20.7
North Boulder Creek	0.4		0.4
North St Vrain Creek	3.3		3.3
South Boulder Creek	77.2		77.2
South St Vrain Creek	82.2		82.2
St Vrain Creek		474.6	474.6
Total	316.9	845.8	1162.7

Table 11. Area (ha) by property within assessment area. Note: lidar data were not available for both years for all sites; comparisons of 2011 and 2013 data were restricted to properties with available data.

Mountains		Plains	
Walker Ranch	64.1	Alexander Dawson	184.7
Platt-Rogers Memorial Park	46.5	Western Mobile	119.5
Hall Ranch 2	40.5	Bailey-Kenosha Ponds	90.6
Hall Ranch	36.4	Pella Crossing	80.1
Adams-Cowger	18.4	Gage	55.3
S&L Investments	16.1	Keyes	49.7
Heil Valley Ranch 2	13.3	Braly	44.1
Blm-South Boulder Creek	13.1	Doniphan	30.8
Steen	11.4	Gage Gravel Area	29.4
Rogers	7.5	Quicksilver Farm	21.0
Reynolds Ranch	7.3	Sadar	19.6
Boulder Falls	6.3	Brewbaker-Sorensson	16.6
Betasso Preserve	4.2	Bailey	15.8
Hendricks 2	3.8	Golden-Fredstrom	15.8
Tinsley	2.8	Western Mobile Lake 4	14.8
Custode	2.8	Imel	10.5
Anderson-Butzel Hill	2.7	Peck	8.4
Brooks	2.3	Ramey	8.2
Ador	2.2	Bullock	5.8
Randolph Pratt	2.1	Bishop	5.3
Steen Lodes (Bluejay-Ideal)	1.8	Montgomery	4.7
Forsberg (Bob)	1.7	Russell-Anderson-Schmidt	3.9
Mack	1.6	Golden Farm	2.9
Davies	1.1	Wallace	2.7
Great Northern	1.1	Bielins-Hock	2.0
Itec	1.1	Peck Lot	1.6
Boulder Canyon Trail-Fox (Ervin)	0.8	Birnbaum	0.9
White (Richard)	0.8	Hygiene Dairy	0.9
Richardson	0.8	Jackson-Mckinster	0.2
Mccurdy	0.4	Mms Partnership	0.0
Lawrence	0.4	Total	845.8
Boulder Canyon Trail-Olmsted	0.3		
Williams (Russel & Lafaunn)	0.3		
Randolph-Pratt	0.3		
Lee Sara	0.3		
Steen-Little Archie	0.2		
Olson	0.1		
Total	316.9		

Geomorphic and physical characteristics

Lidar analyses identified a variety of impacts to riparian corridors. Geomorphic and physical effects included changes in channel plan form and cross-sectional geometry and the creation of broad zones of sediment deposition. The degree of impact was highly variable spatially, and effects were conditioned by surrounding land-use characteristics and historical changes to channel and valley morphology (e.g., the presence of elevated road or rail prisms). Especially important in the dynamics of the flood on the plains were sand and gravel ponds adjacent to streams. Channel avulsions in these areas created dramatic changes in channel planform geometry and led to the most spatially extensive zones of deposition on the landscape.

Analysis of bare earth lidar derived surfaces were particularly useful for evaluating changes in terrain characteristics, revealing dramatic flood responses such as channel migration, as well as more subtle changes to topography (Figures 7-9). Particularly high magnitude changes in planform and cross-sectional geometry were often associated locations where anthropogenic features such as bridges or culverts interacted with flood waters carrying debris. Temporary debris jams, localized deposits of large woody debris, and other materials such as building debris were common. The phenomenon of buildings and engineering structures (e.g., bridges, ditch headgates) becoming loci of channel avulsions due to accumulation of upstream flood debris was seen elsewhere in the county.

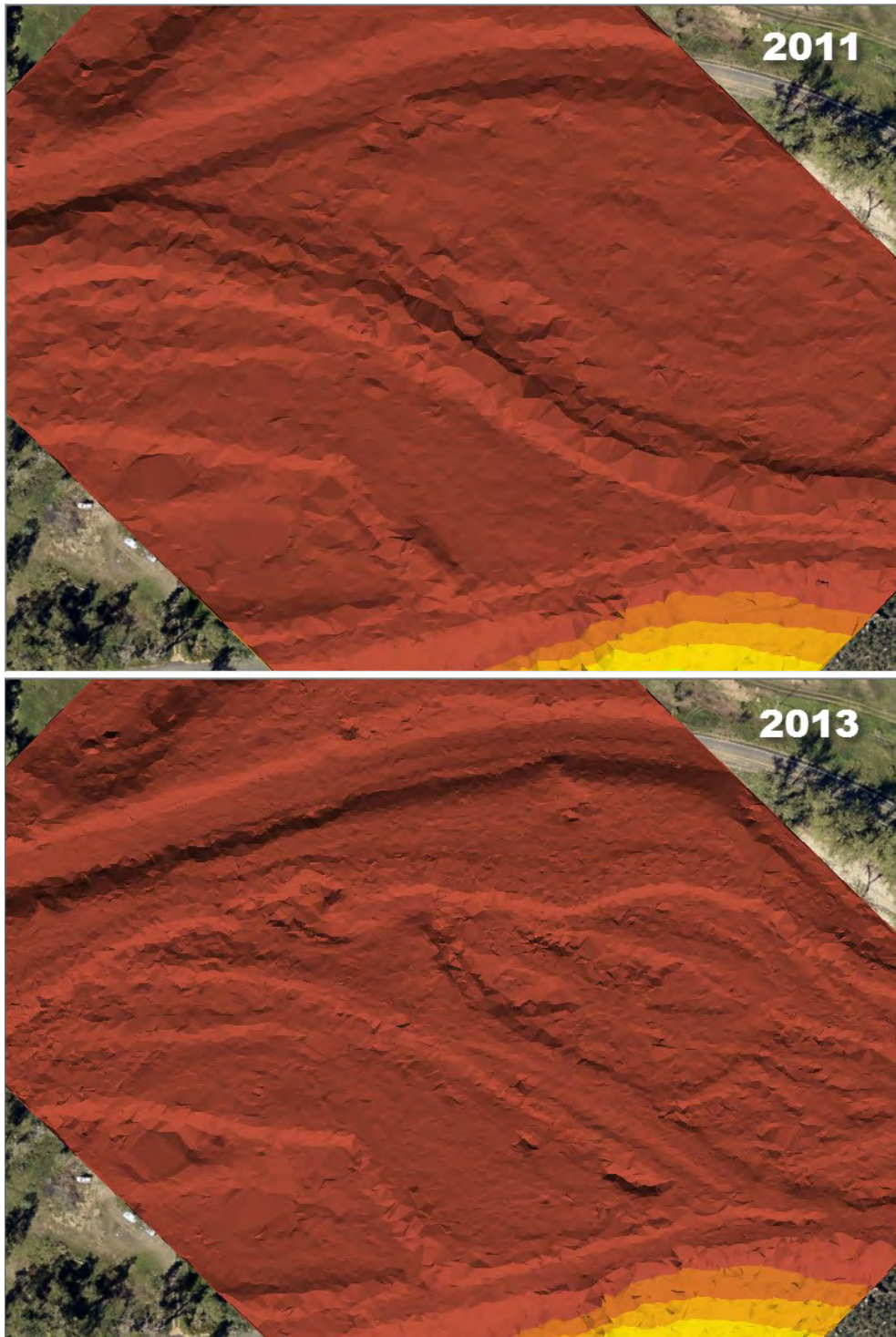


Figure 7. Bare Earth lidar-derived triangulated network surface for pre-flood and post-flood dates on the Hall Ranch 2 property. Note the distinct channel characteristics in the pre-flood damage in comparison to topographically complex braided network of sediment in the post flood image.

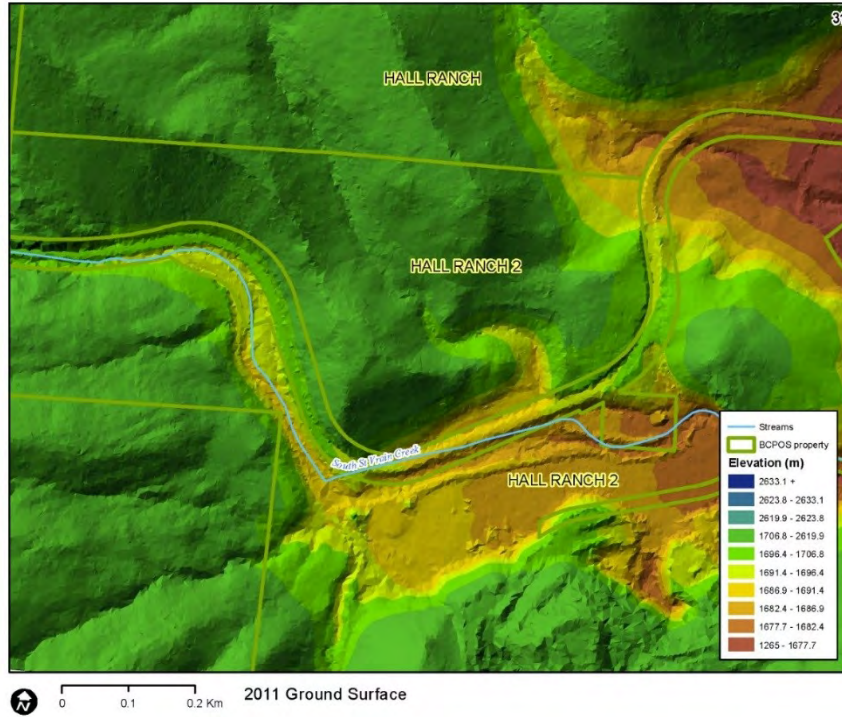


Figure 8. Pre-flood digital terrain model (2011 lidar data) for a portion of the Hall Ranch 2 BCPOS property. In contrast to maps developed using the normalized height above the ground, these maps allow examination of broader terrain patterns.

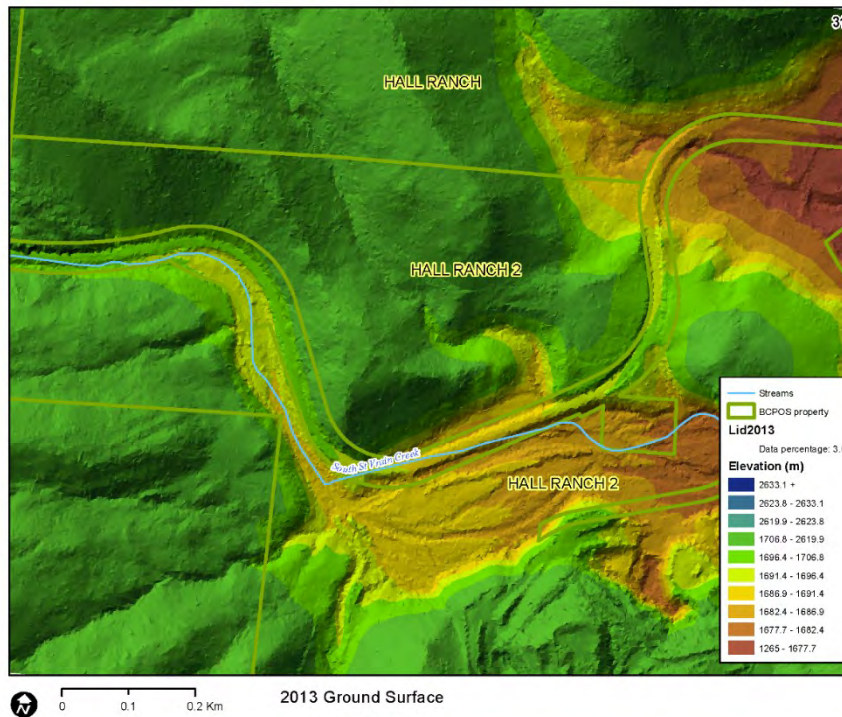


Figure 9. Post flood digital terrain model (2013 data) for a portion of the Hall Ranch 2 BCPOS property.

Difference maps created by subtracting the 2013 bare earth surface from the 2011 bare earth surface are useful for identifying areas where net changes in base elevation have occurred due to erosion or aggradation (Figure 10). The maps produced highlight the sometimes subtle and other times dramatic changes in topography resulting from 2013 floods. The elevation difference raster was also used with BCPOS property layer to calculate summary statistics regarding surface changes. This general approach can be updated as new lidar data are collected, providing a basis for assessing topographic change through time. An important caveat in interpreting data is that steep slopes add uncertainty to lidar height data. These errors may differ depending on the parameters of the original data acquisition and are difficult to address in steep mountain environments. Consequently, data from the plains are more reliable.

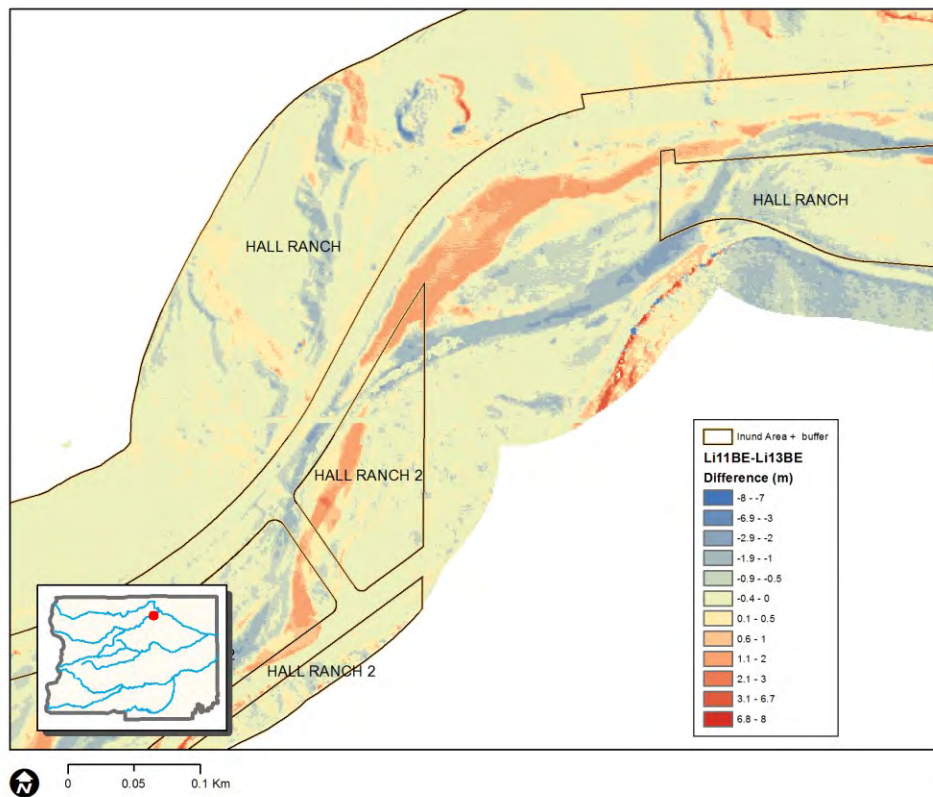


Figure 10. Elevation difference (m) between 2011 bare earth and 2013 bare earth surfaces for the Hall Ranch 2 BCPOS property. Negative values indicate net aggradation and positive values indicate net erosion relative (2011 surface elevation minus 2013 elevation).

Cross-sectional analyses of bare earth surfaces clearly identified zones of deposition and erosion, as well as locations of channel change (Figure 11). The mean and variance of elevation differences between pre-and post-flood surfaces provide a measure of net changes in elevation. As an example, Figure 12 presents summary statistics for cross-sections on a subset of BCPOS properties. Areas of net erosion have negative values, while net aggradation is indicated by positive values. The range of values show that, within any individual area, there are areas of erosion and deposition present.

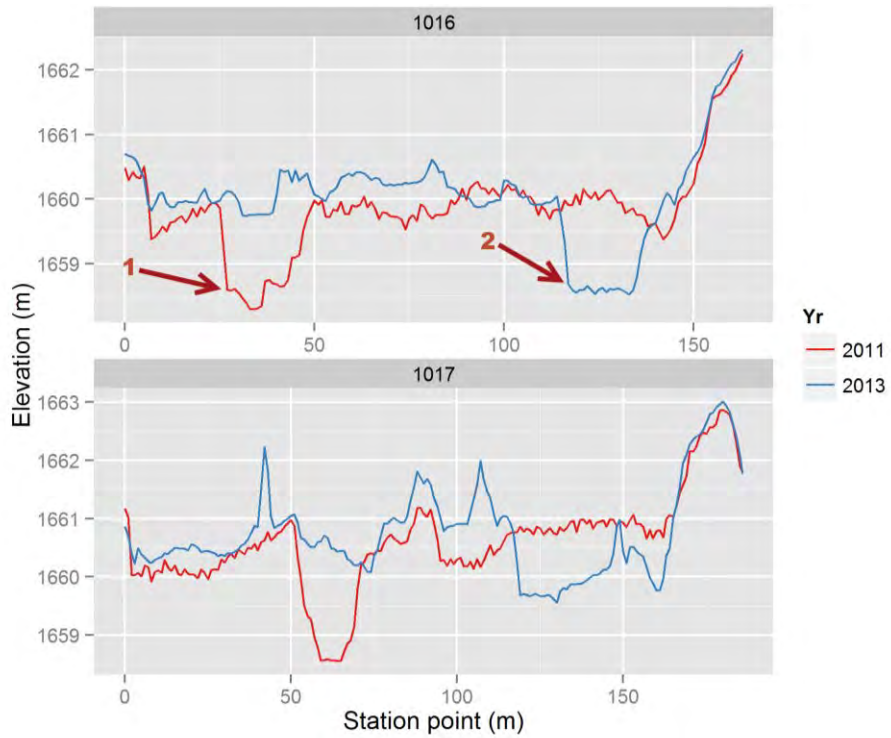


Figure 11. Bare Earth profiles for two representative cross-sections on the plains (Hall 2 Property, South Saint Vrain River). Note evidence of channel migration (labeled arrows 1 and 2) Additional cross section are provided in appendix 8.

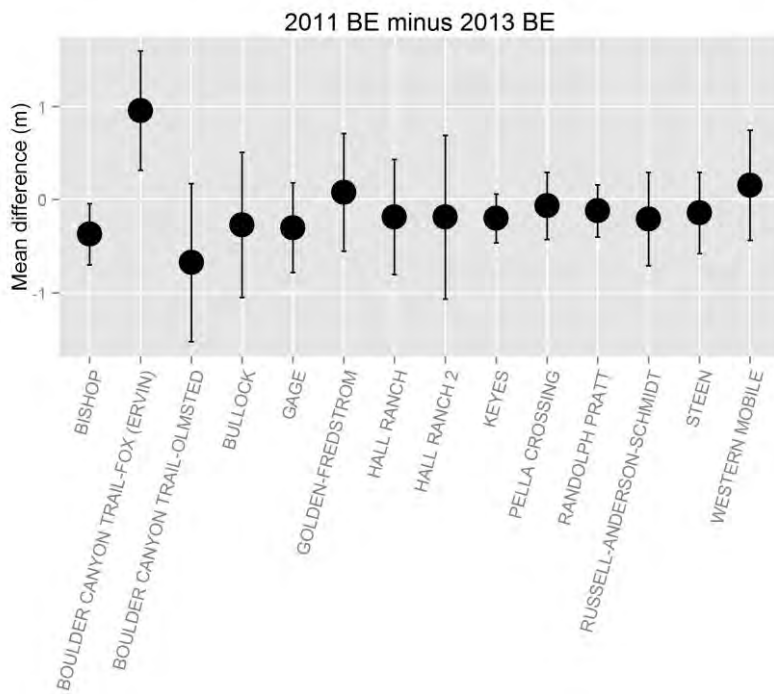


Figure 12. Mean elevation difference (2011-2013 bare earth surfaces) for cross-sections located on selected BCPOS properties. Bars indicate the net range of elevation differences for transects. Positive values indicate net aggradation, while negative values indicate net erosion.

Riparian tree canopy area and tree mortality

Riparian maps and data sets derived from remote sensing analyses and field data both document significant changes to riparian communities, although the nature and magnitude of effects were variable between properties and major streams. Within individual stream systems, impacts were highly variable spatially and were influenced by site-specific characteristics of streams as well as broader differences between stream reaches located in mountain and plains geomorphic process domains.

Lidar analyses of pre-flood riparian canopy cover and structure canopy highlighted the variability of riparian zone characteristics on BCPOS properties. The width of the active riparian zone is much narrower in high gradient mountain streams than for streams on the plains. The latter often support wide zones of tree cover. This includes trees occurring on riparian and upland terrace landforms, as well as those located immediately adjacent to active stream channels. In addition to differences in riparian tree abundance and distribution, riparian areas along streams in the mountains support different tree species than those on the plains. For example, narrow-leaved cottonwood (*Populus angustifolia*) and conifers like blue spruce (*Picea pungens*) are local dominants in montane and foothills riparian zones, while plains cottonwood (*Populus deltoides*) and other native and non-native deciduous species such as peach-leaved willow (*Salix amygdaloides*), crack willow (*Salix fragilis*), and Siberian elm (*Ulmus pumila*) are dominant in riparian areas on the plains.

In contrast to bare earth cross-sections, cross-sections through normalized height rasters are useful for detecting the presence and height characteristics of riparian tree cover (Figure 13). These plots are a useful complement to planimetric maps depicting canopy change. There

are in theory an infinite number of cross-sections that can be created. In practice, this approach is most useful for characterizing particular areas of interest identified through inspection of planimetric maps or field observations.

Planimetric maps of normalized canopy height identified locations supporting tree cover, and in conjunction with aerial imagery, were a useful tool for identifying areas of flood induced changes in tree cover (Figure 15). The watershed segmentation algorithms employed to delineate individual tree canopies provide an approximate means of quantifying tree density (as opposed to cover); however, the complex nature of large deciduous tree canopies resulted in an overstatement of tree numbers, as portions of canopies were sometimes separately delineated (Figure 16).

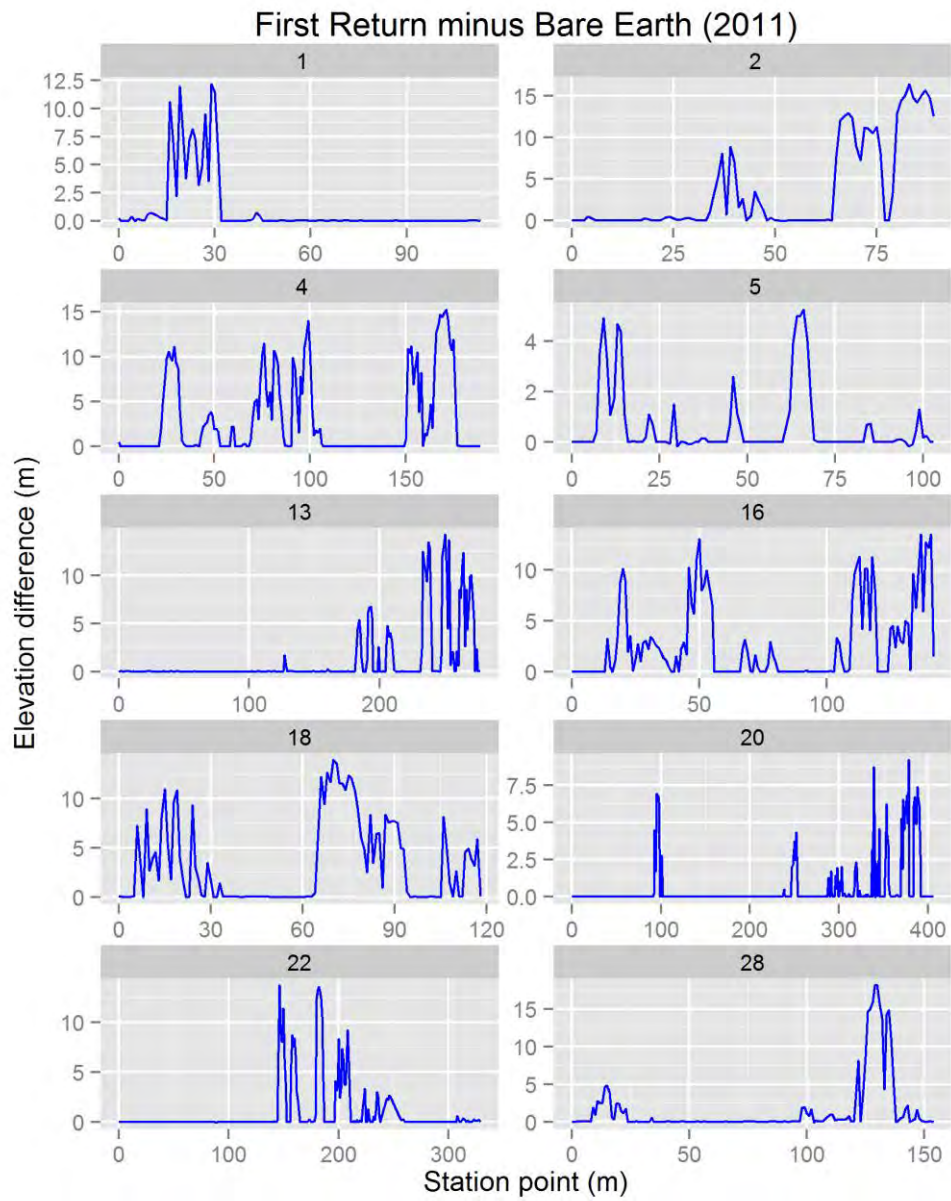


Figure 13. Examples of normalized digital surface model profiles created by subtracting first return and ground classified lidar points. Peaks in cross-sectional profiles correspond to the presence of trees.

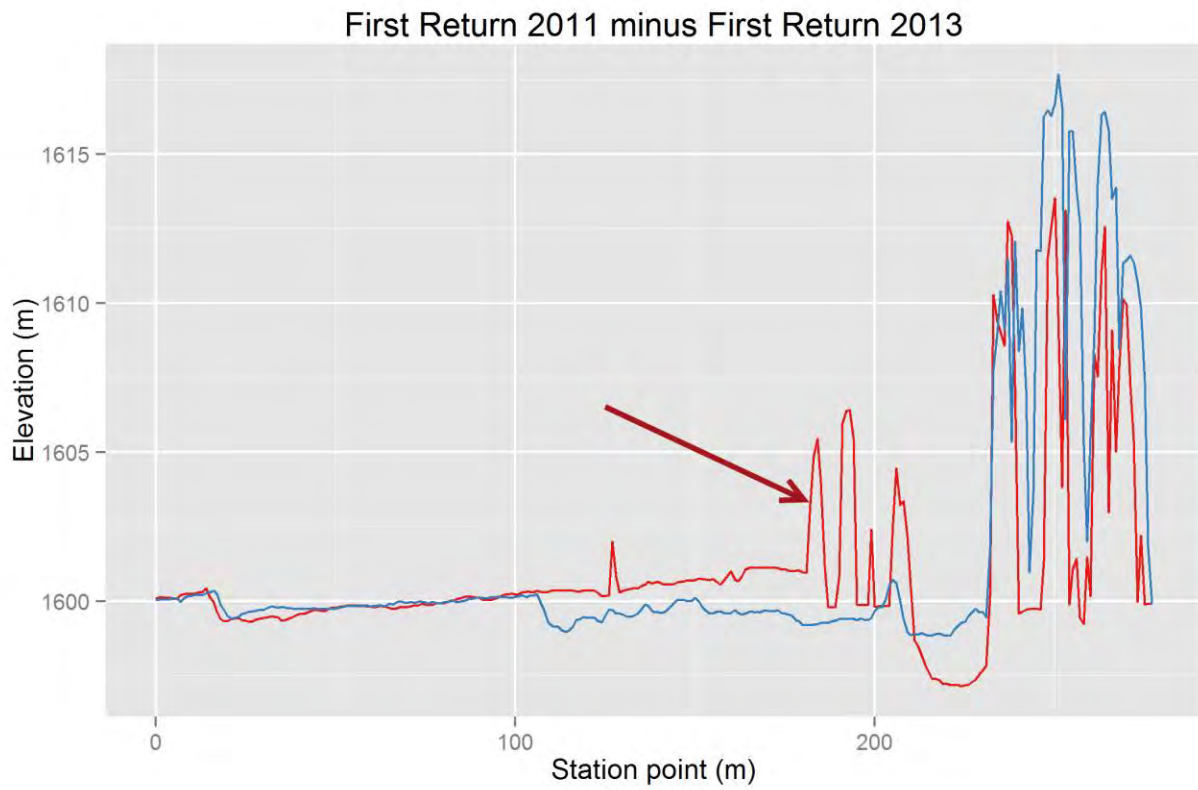


Figure 14. Crosssection of first return lidar surface derived from 2011 and 2013 datasets. Red arrow indicates areas where trees were removed by the flood (Saint Vrain River).

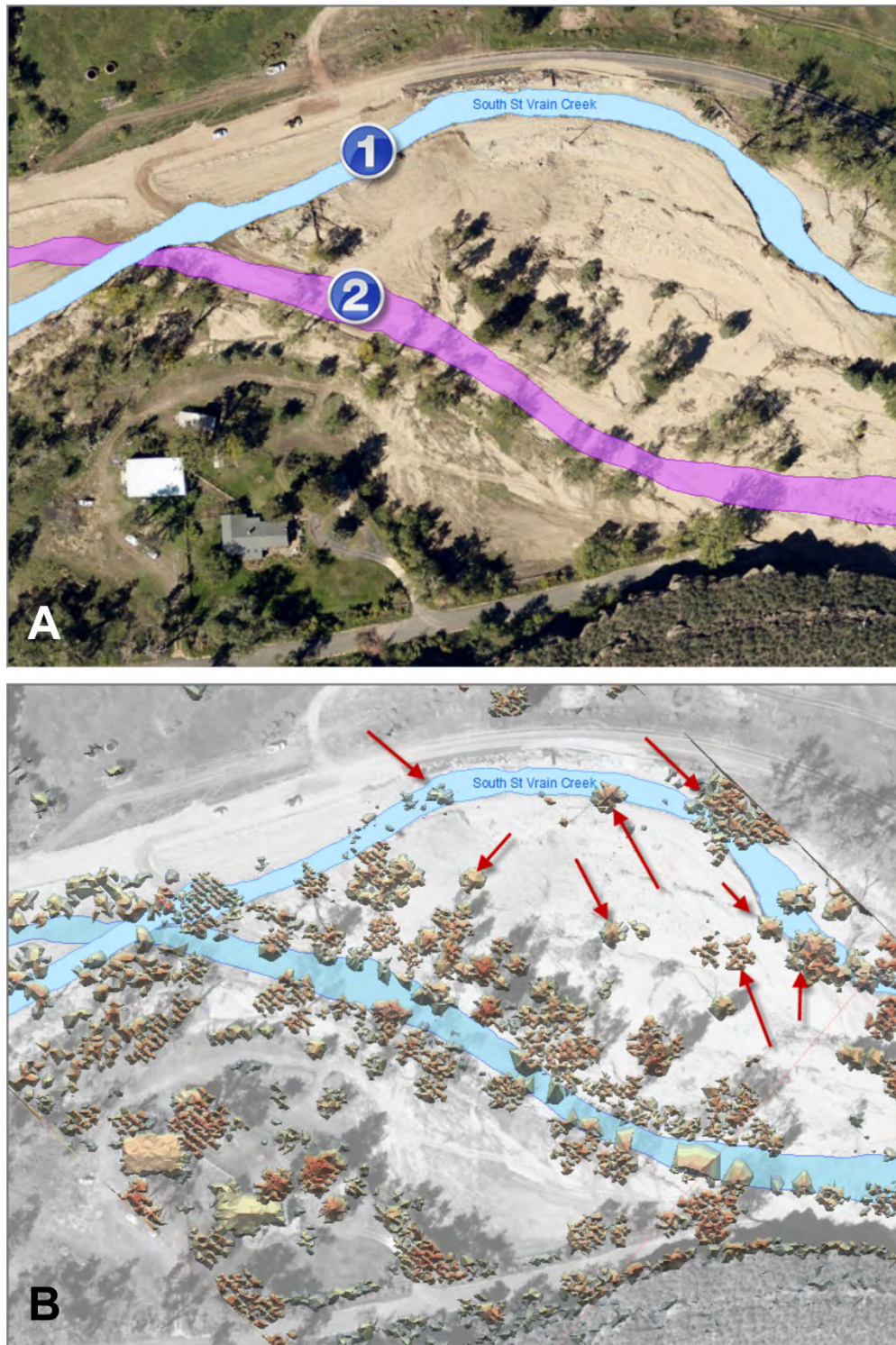


Figure 15. Channel location on the Hall 2 property in 2013 (panel A, marker 1) and 2011 (marker 2) superimposed on 2013 imagery. Normalized height data from 2011 superimposed on 2013 image in panel B reveal locations of tree mortality due to a channel change (red arrows). Note the trees highlighted by arrows in panel B are absent from panel A photo due to the channel migration to the north of the during the 2013 flood.

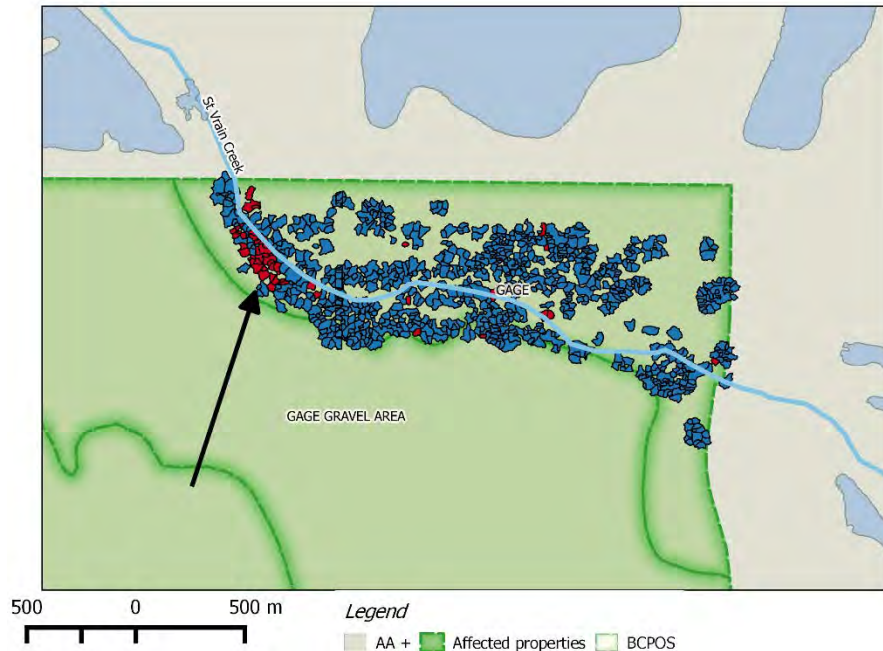


Figure 16. Tree canopy outlines identifying areas of tree mortality evident in comparisons of 2011 and 2013 lidar.

When summarized by stream, mean changes in predicted canopy area showed varying degrees of change between 2011 and 2013 (Figure 17). Four of the six main streams analyzed in this study showed modest decreases in tree canopy, while two showed very small increases. These may be explained as the combination of small additional differences between lidar data sets and the different conditions under which data were acquired. The 2011 data were collected during leaf off conditions in the spring. However, the 2013 data while large deciduous trees still had their leaves, and those presented a slightly broader and denser canopy to the sensor.

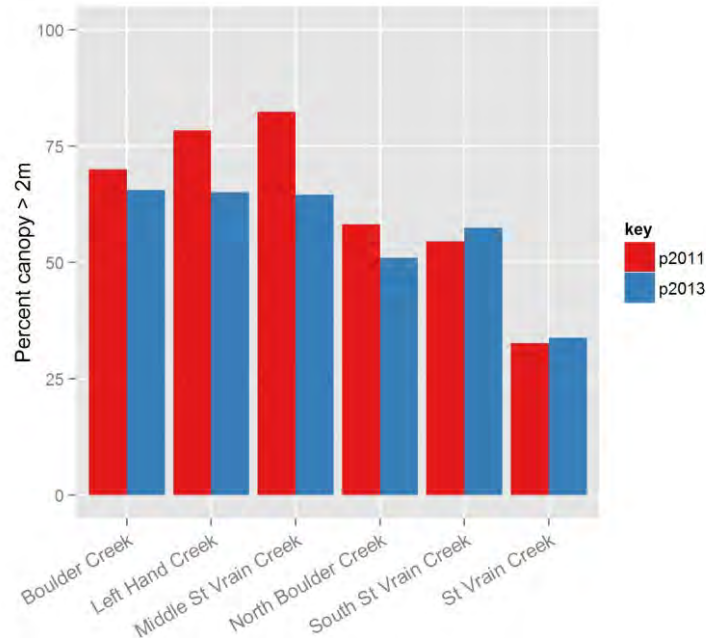


Figure 17. Mean percent of assessment area with canopy > 2m based on 2011 (red) and 2013 (blue) lidar data.

Field sampling

Significant flood effects on the geomorphic characteristics of stream channels and banks were observed during field sampling. General kinds of effects observed included impacts to streambank stability, cross-sectional elevation profile, and the creation of extensive areas of sparsely-vegetated substrates. Characterization using rapid assessment metrics highlighted the variability of riparian condition and impacts at the site level. Localized changes observed include channel and bank erosion, and extensive areas of sediment and debris deposits. There were significant differences in condition metrics between stream reaches located in dissimilar geomorphic process domains (Figure 18). Deposits of coarse alluvium, ranging in size from sand and gravel to cobbles and boulders, characterized many stream reaches on the plains. The lateral extent of erosion and deposition was generally much narrower in high gradient, confined foothills streams than stream reaches along unconfined alluvial rivers on the plains. Properties along the St. Vrain River saw particularly dramatic changes, when channel avulsions

into gravel ponds contributed to erosion and deposition hundreds of meters from the location of the original stream channel.

A significantly higher proportion of sample points in confined stream reaches were classified as “good” using the woody debris rapid assessment metric. A similar pattern was observed for stream reaches classified as partially confined. The highest proportion of points rated as “poor” were in unconfined stream reaches (Figure 18). The importance of geomorphic confinement as a conditioning variable for other rapid assessment metric scores was also evident. For example, hydrologic connectivity in reaches rated as either “fair” or “good” were more prevalent in confined stream reaches. As would be expected, confined stream reaches were less likely to be rated “poor” for channel stability.

The percent native rapid metric showed a similar pattern with regards to geomorphic confinement. Unconfined streams, limited to the plains, had a much higher proportion of reaches classified as “poor” (Figure 18). This is in part a consequence of differences in general ecology and community composition between riparian areas on the plains and mountains. Pasture grasses such as smooth brome (*Bromopsis inermis*) and species like reed canary grass (*Phalaroides arundinaceae*) are common dominants in the herbaceous understory of plains streams, which also commonly support an overstory comprised in part of non-native trees such as crack willow (*Salix fragilis*), Russian Olive (*Elaeagnus angustifolia*), and Siberian elm (*Ulmus pumila*). In contrast, narrower confined mountain streams typically support an overstory of native conifers and have fewer aggressive non-native species in their understory.

Qualitative ratings such as these must be set in the context of the particular process domain being considered. Hydrologic connectivity, for example, differs fundamentally between smaller mountain streams with significant groundwater inputs and large alluvial rivers, which typically lose water to the regional water table. In general, it is more appropriate to compare ratings for stream reaches located in a similar process domains.

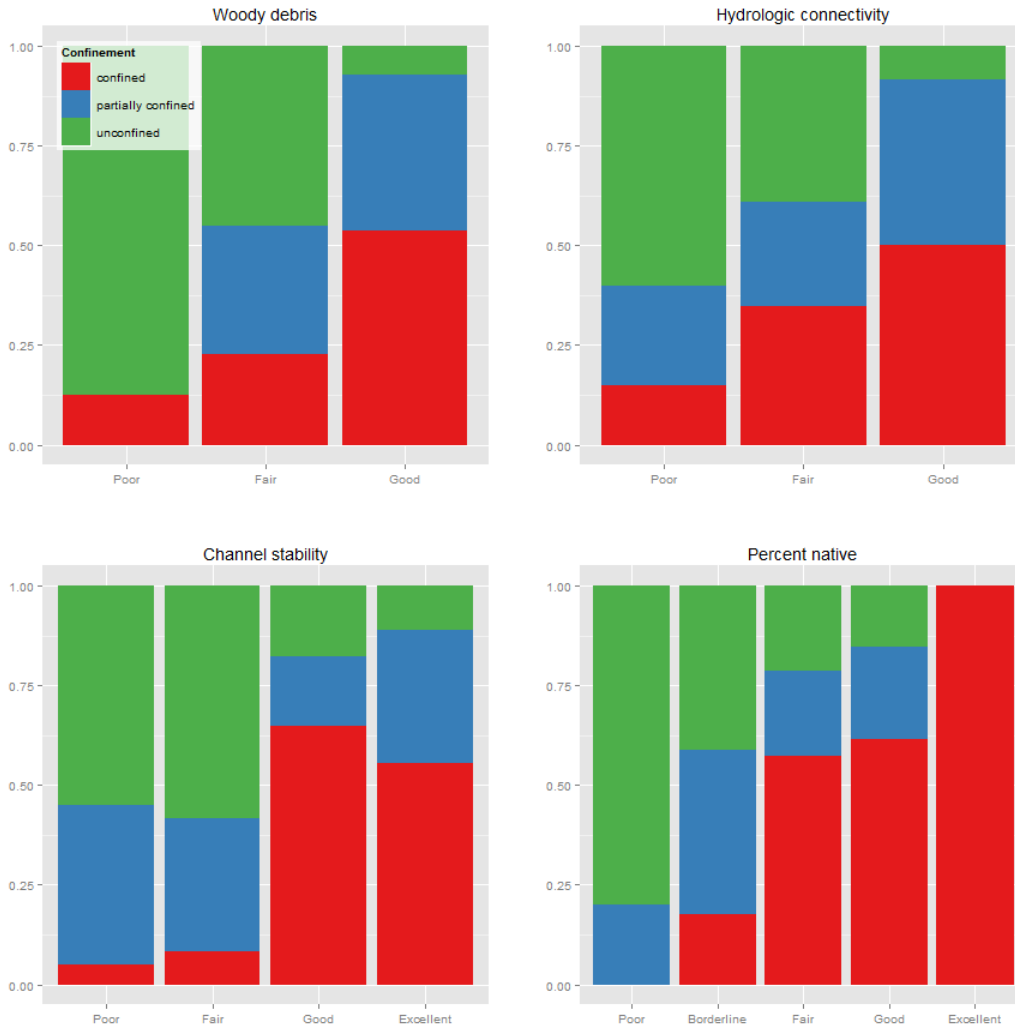


Figure 18. Proportion of sample transects classified into different condition classes as a function of channel confinement for the woody debris (top left), hydrologic connectivity (top right), channel stability (bottom left), and % native metrics.

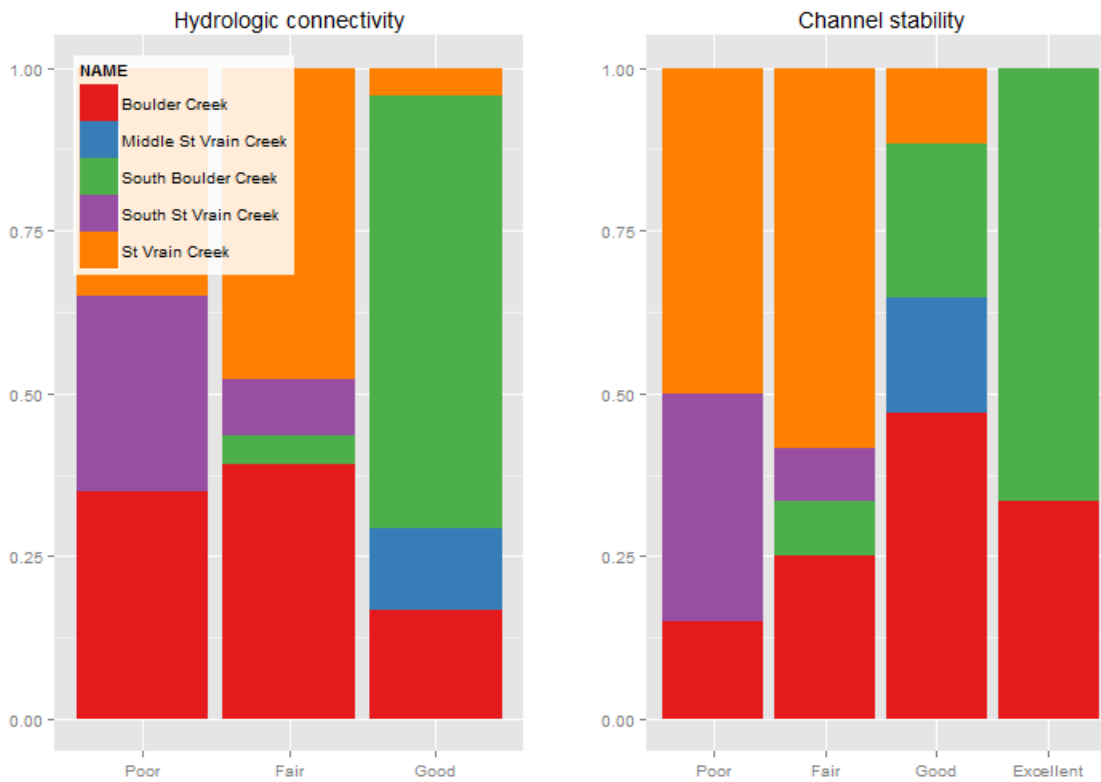


Figure 19. Proportion of sample transects classified into different condition classes as a function of stream name for the hydrologic connectivity (left) and channel stability (right).

Table 12. Common weeds encountered in study area stream reaches (nomenclature follows USDA PLANTS).

ScientificName	CommonName	Weed List Rating
<i>Carduus nutans</i>	Musk thistle	List B
<i>Centaurea diffusa</i>	Diffuse knapweed	List B
<i>Centaurea maculosa</i>	Spotted knapweed	List B
<i>Cirsium arvense</i>	Canada thistle	List B
<i>Cirsium vulgare</i>	Bull thistle	List B
<i>Cynoglossum officinale</i>	Houndstongue	List B
<i>Elaeagnus angustifolia</i>	Russian-olive	List B
<i>Elytrigia repens</i>	Quackgrass	List B
<i>Lepidium latifolium</i>	Perennial pepperweed	List B
<i>Saponaria officinalis</i>	Bouncingbet	List B
<i>Verbascum blattaria</i>	Moth mullein	List B
<i>Arctium minus</i>	Common burdock	List C
<i>Bromus tectorum</i>	Downy brome	List C
<i>Convolvulus arvensis</i>	Field bindweed	List C

ScientificName	CommonName	Weed List Rating
<i>Sonchus arvensis</i>	Perennial sowthistle	List C
<i>Verbascum thapsus</i>	Common mullein	List C

One of the most notable observations during field sampling was the abundance of native woody plant seedlings. Dense carpets of cottonwood and willow seedlings were commonly encountered on plains rivers. There was little evidence of extensive woody seedling establishment along mountain streams; however, high seedling densities (in excess of 60 seeds/m² in some plots) were observed in sampled reaches on the plains (Figure 20). Differences between streams in the mountains and plains can be attributed to several factors including the greater area of flood disturbance in unconfined stream reaches and the large amount of material deposited from high gradient sections of rivers on the plains.



Figure 20. River bank along Boulder Creek on the Doniphan Property illustrating extensive cottonwood seedling emergence (A). Close-up images of seedlings germinated in a relatively coarse sand and gravel substrate (B) and a silt/fine-sand substrate (C).

Discussion

Collectively, the analyses in this study highlight the diversity of riparian area characteristics found on BCPOS properties and provide important insights into changes in riparian areas induced by the 2013 floods. Remote-sensing analyses provided a particularly useful synoptic perspective, valuable for documenting basic topographic and geomorphic characteristics of BCPOS streams and changes they experienced due to the flood. Lidar data were especially useful for identifying and characterizing riparian forests, providing useful insights into patterns of forest cover and structure.

Results document a range of specific geomorphic and ecological effects, ranging from relatively small disturbances associated with overbank flows to wholesale transformation of stream planform and cross-sectional characteristics. Responses are complex, exhibiting significant variability among streams and at fine spatial scales within individual stream reaches.

Geomorphic and geological differences between stream reaches are important predictors of response. For example, the width of flood affected areas was relatively narrow in confined bedrock and colluvial channels in the foothills (e.g., South Boulder Creek on the Walker Ranch property). This is in stark contrast to the very wide depositional zones along rivers on the plains created by channel avulsions and interactions with adjacent gravel ponds. This coupled with partial dewatering of ponds, created extensive areas of bare, coarse substrates (e.g., sands, gravels, and cobbles). These areas warrant future monitoring, as they represent likely areas of weed the establishment. However, evidence of extensive native woody plant establishment suggests these areas may ultimately support large native woodland communities valuable for wildlife, provided there is sufficient recruitment.

Many indicators of channel instability such as steeply cut banks were encountered during field sampling. This is not unexpected considering the significant modification of local terrain

from the flood evident in lidar analyses. There are numerous areas that experienced extreme scour or deposition, as well as more widespread evidence of over bank flooding such as debris accumulation of sediment deposition. Emergence of any quasi-equilibrium would be expected to take some time considering the magnitude of flood effects. One of the more notable aspects of the impacts are how localized and varied they are.

Foothills and montane sites generally fared better on condition metrics related to hydrologic connectivity, channel stability, and invasive species. This likely is the result of several factors. Topography, microclimate, soils, and geomorphic structure are different between plains and mountain properties. The broad functional differences between rivers in different geomorphic and climatic process domains (Montgomery 1999, Wohl 2000) rightly justify different perspectives on condition. Applying the same specific criteria to distinctly different stream types can produce misleading interpretations.

One of the most dramatic impacts to riparian corridors are the altered patterns of large woody debris in streams. Wood plays a critical functional role in natural stream systems (Harmon et al. 1986, Montgomery and Piegay 2003), affecting processes like sediment and nutrient retention, habitat formation, and stream productivity (Naiman et al. 2002). Large Woody debris piles contribute to functional heterogeneity in riparian areas by accumulating fine sediments, nutrients, and moisture (Pettit and Naiman 2005). Large Woody debris is also critical to geomorphic process by influencing factors like hydraulic resistance (Malanson and Butler 1990, Wilcox and Wohl 2006). Large Woody debris is problematic for infrastructure, motivating the removal of many piles under emergency watershed measures in 2013 and 2014. While this study included an existing woody debris rapid assessment metric, a more rigorous assessment of debris distribution and abundance should be considered as part of future investigations of BCPOS riparian areas.

This study demonstrates the value of lidar for mapping tree canopies and for evaluating direct tree mortality from the 2013 flood. However, fine scale contrasts between tree canopies pushed the limits of the accuracy of the underlying lidar. The complexity of tree canopies including differences in phenology and accumulated growth between acquisition dates complicated the assessment. In addition, the random nature of which specific laser pulses penetrate the canopy versus are reflected back from branches. However, the approach was sensitive enough to identify large areas of change and was reasonably accurate, particularly in the plains. The incidence and nature of riparian tree mortality was more difficult to detect in the higher gradient mountain streams. Geomorphically-constrained mountain rivers have much narrower riparian zones than the often wide floodplain and associated terraces dominated by cottonwoods and other broadleaved trees. In addition, lidar height information is less reliable in steeply sloped terrain.

Disturbances, whether natural or anthropogenic in origin, can influence the ecological integrity of riparian areas by facilitating the establishment of non-native species (Masters and Sheley 2001). These can displace more desirable native species, negatively affecting community composition, structure, and habitat quality for wildlife (De Waal 1994, Zedler and Kercher 2004). Plant compositional data and rapid field metrics concerning plant composition indicated the wide-spread occurrence of common non-native and aggressive native species in many riparian areas. Common non-native herbaceous species in stream reaches on the plains included common weeds such as *Breca arvensis* (Canada thistle), *Conyza canadensis* (horse weed), *Convolvulus arvensis* (field bindweed). Many reaches on the plains were dominated by reed canary grass (*Phalaris arundinacea*). This species is considered by the USDA PLANTS database, but local populations are likely dominated by the more aggressive non-native Eurasian ecotype, and Colorado Flora (Weber and Wittmann 2001) considers it an exotic. While the net effect of the flood is likely an increase in non-native cover, native riparian species are

also disturbance adapted. Future monitoring should focus on how the prevalence of these two changes over time.

There is a diverse literature on the relationship between floods and the establishment of native woody species. Both willows (*Salix* spp.) and cottonwoods (*Populous* spp.) are naturally dependent on flood disturbance for seedling establishment (Scott et al. 1997, Stromberg 1997, Gage and Cooper 2004). Although the specific establishment requirements vary among species and regional context, native woody riparian species show broad similarities in life history attributes and establishment requirements. Both genera produce abundant crops of small seeds with limited endosperm reserves to support developing seedlings (Niiyama 1990). Their seeds require bare, moist substrates for germination, with floods being the most common natural source (Scott et al. 1997, Rood et al. 2003). The 2013 floods produced an abundance of suitable substrates for germination, particularly in areas where there was channel avulsion to gravel ponds adjacent to the active channel.

Young seedlings are especially vulnerable to mortality from lack of soil moisture, as spring water tables decline with stream stage following peak spring runoff. Seedlings surviving the first summer have a markedly increased chance of recruitment if they are able to develop root systems of sufficient biomass and vertical extent to access late summer water soil moisture. Seedlings germinating on lower topographic surfaces are less vulnerable to desiccation, but can be killed by erosion in the years following germination. This vulnerability declines after the first full year as developing root systems provide increasing stability and resistance to flood scour (Kui et al. 2014). The relationship between drought induced seedling mortality in higher landform positions and mortality from flood scour at higher locations has been used to define the recruitment box model of establishment, which provides a useful heuristic for thinking about the lasting effects of the 2013 floods on BCPOS riparian communities. Field data was collected in

late summer and fall, after most summer mortality would have affected seedling numbers. Nonetheless, high densities seedlings were observed.

Floods control the age structure and distributional patterns of disturbance-dependent riparian species such as cottonwoods and willow (McBride and Strahan 1984, Cooper et al. 1999, Levine and Stromberg 2001, Friedman and Lee 2002). Various flow characteristics operating over different temporal scales can affect establishment and recruitment dynamics. While low flow characteristics are important in influencing initial seedling survival by affecting water availability to developing seedlings, it is high flows occurring at time scale of decades or longer that are most important in shaping the demographic attributes of riparian forests at broad scales (Friedman and Lee 2002, Cooper et al. 2003). Where sites have not experienced any major floods, cottonwood reproduction is typically limited, leading over time to a decrease in tree density and succession to other community types such as grasslands (Friedman and Lee 2002).

Various environmental factors act in concert to influence establishment, making long-term prediction of demographic changes in riparian communities difficult (Rood et al. 1998, Kalischuk et al. 2001). Recruitment of trees into larger size classes is dependent on the existence of an initial cohort of seedlings. This is predicated on the availability of adequate propagules and suitable substrates for establishment (Cooper et al. 1999, Dixon et al. 2002), both of which have occurred following the September 2013 floods.

The effects of the floods on Boulder County streams, including those sections of streams crossing BCPOS properties, is strongly conditioned by adjacent and historical land use characteristics. Streams throughout the region have been altered in numerous ways, both subtle and dramatic. It's important to recognize these anthropogenic changes to stream corridors when considering broader questions of flood recovery or active restoration. Most riparian areas in the region were to some extent already functionally compromised prior to the 2013 floods. Mining and trapping, streamflow diversion and augmentation, exotic species, and hard engineering are

pervasive historically, with lasting effects on geomorphic and ecological condition (Wohl 2005, Wohl 2006, Gage and Cooper 2013). Many of the County's properties, particularly those with an agricultural land use history, already had high cover of non-native species. As before the flood, resources for restoration or habitat improvement are finite, so it's important to ask what factors should drive prioritization.

Management implications and recommendations

The analyses in this study were intended to provide a broad perspective of basic riparian characteristics along the major streams intersecting BCPOS properties. Results of both the remote sensing and field analyses highlight both the diversity of riparian ecosystem types under BCPOS management and the broad range of resources management issues. Together, the different analyses included in this study suggest that a nuanced approach to managing resource is appropriate, one that takes into account the ecological and geomorphic context, the presence of contemporary or historical constraints on ecohydrological function, and desired conditions.

The evidence from field assessments suggest a widespread tree establishment event was initiated in 2014. Significant thinning will inevitably occur from future floods, weather shifts, and herbivory, but the combination of ideal seedbed, a significant mountain snowpack, and a wet and moderate summer, have promoted widespread seedling germination on the plains. These seedlings may be one of the most significant ecological legacies of the 2013 floods.

Future monitoring and research should follow and refine understanding of the demographic changes in forest and riparian community structure that will follow in the years ahead. Anecdotal observations and field data on BCPOS properties indicate positive effects from the flood on establishment of native cottonwoods and willows. It is unknown whether non-native riparian trees, which are pervasive on the plains (Friedman et al. 2005), will also respond favorably.

Future sampling of both can be accomplished using the over sample points produced in this study (Appendix 1 and digital data files).

Protection of newly established native species is an important management concern. Best management practices already restrict access to riparian areas by livestock, but particular care should be taken to prevent even accidental exposure of young seedlings and saplings to cattle, as trampling can cause high mortality rates. It may also be useful to consider protecting developing seedlings from native herbivores, at least temporarily, as they can cause significant mortality (Case and Kauffman 1997, Andersen and Cooper 2000). While prohibitively costly at large scales, localized protection can serve to provide loci of establishment and continued seed sources to facilitate natural establishment.

The design used to draw sample points in this study combines the advantages of a true probability sample with the desirable statistical characteristics conferred by a spatially balanced allocation of sample points (Stevens and Olsen 2004). The RRQRR algorithm and similar approaches (e.g., GRTS) are well suited for long-term monitoring, since any continuous subset of the sample draw retains approximate spatial balance. This provides flexibility for variable revisit designs, whereby staggered sampling of sites occurs in a rotation over time. The sample draw of points sampled in 2014 can be revisited or supplemented with additional sites utilizing the same sampling framework, facilitating additional sampling of riparian condition for unsampled locations on BCPOS properties along target streams.

These analyses allow for some broad scale management recommendations, but more extensive assessments and monitoring are ultimately needed to provide the information needed to drive project level decision making. However the sampling framework and data sets developed are a useful basis for expanding and refining management priorities. Some general recommendations include the following:

- **Focus management in areas with unstable geomorphic and topographic conditions.** Areas with the most significant changes in topography or riparian structure are not necessarily those that are most suitable for any management intervention. Field sampling in 2014 involved visitation of a relatively small number of sites relative to the total riparian area. These data should be supplemented with additional reconnaissance to identify specific sites requiring active stabilization or intervention.
- **Protect seedlings where possible and take care to minimize impacts to locations supporting large densities of seedlings/saplings.** Given the extensive and highly localized pattern of seedling emergence, it is not possible to make specific recommendations as to areas for protection. Rapid reconnaissance and GPS mapping of hotspots of new establishment by qualified staff could be conducted. This information combined with knowledge of property specific management characteristics (e.g., livestock or public access, etc.), could be used to identify areas for detection. Relatively small and inexpensive temporary exclusion could be used to protect small areas, while fencing could be used to protect larger areas as needed.
- **Use the oversample points produced by the sampling design as a basis for expanded monitoring.** A panel design may be suitable for future monitoring; however, the design is flexible, allowing for different sampling intensities based on the specific monitoring objectives. The value of monitoring data is influenced both by the spatial intensity and temporal frequency of sampling. Where inventory and broad spatial assessment is a priority, a greater fraction of sampling resources should be directed to expanding the number of sample point visited. If changes in condition are a priority, more emphasis should be placed on revisiting points. Many effective

sampling strategies balance the two, relying on rotating panel designs that over time incorporate extensive sampling and revisits.

- **Develop a separate monitoring approach for flood affected gravel ponds.** The gravel ponds adjacent to the major plains streams were not part of the sampling design, which was based on a more geographically restricted notion of riparian. Functionally, while part of the broader stream corridor, these gravel ponds may not be best considered riparian, but they are nonetheless an important resource. A separate sampling design focusing on these features may be appropriate. Rapid metrics focused on weed and native plant establishment would provide valuable information at relatively low cost.
- **Implement active restoration to areas with more intensive impacts or where there are specific high value resource issues.** Allocation of finite resources for active restoration should be based on multiple criteria. Restoration to historical conditions will often not be either feasible or desirable. Rather, prioritization should be based on specific resource values, which may include ecological, cultural (e.g., aesthetic), and practical considerations.

Future research

The property of approximate spatial balance produced by the RRQRR algorithm is maintained as long as contiguous sequences of sample points are evaluated from the list (Theobald et al. 2007). As a consequence, future sampling can incorporate a panel-based approach, whereby rotating groups of contiguous points along the sample list are visited in different years, but because they are drawn from the same sample population, a unified basis for analysis and inference is provided. For example, in year 2, sample points 100-200 could be visited; in year 3, points 200-300; etc., until the first panel is revisited.

The specific field metrics evaluated in this study were chosen to provide general insights into riparian cover and condition, yet be rapidly collectable. Because of the large area included in the analysis, metrics were selected with sampling efficiency in mind. Future monitoring could include all or a subset of these depending on the purposes of the work. However, future sampling need not be restricted to these metrics. The sampling design can also accommodate the addition of more intensive sampling approaches if needed to address specific resource management questions.

An important consideration for future sampling is the timing of data collection. Field sampling for analyses in this report occurred in the mid-September through early October, after the hottest part of the growing season had passed but before leaf drop by deciduous trees. An advantage of sampling later in the growing season is it allows for assessment of native woody plant establishment patterns after young seedlings have been thinned through mortality caused by desiccation. In addition, sampling later in the season allows for evaluation of channel and riparian characteristics under low flow conditions. Channel and bank condition metrics used in this analysis can be assessed any time of year. However, for the full suite of measurements, the ideal sampling time is the low flow period during the active growing season, as both streambed/bank conditions and characteristic of the riparian vegetation can be assessed.

The September 2013 floods dramatically changed the landscape. Some of these changes can be viewed in a positive light, for example, the pulse of native woody plant establishment observed in many areas. Others changes are clearly negative. Localized streambank instability, for example, will continue to contribute excessive sediment loads to streams, negatively affecting aquatic species. However, many of the changes are less difficult to place into a simple dualistic viewpoint. Ecosystems, especially riparian ones, are naturally dynamic. This study provides a broad baseline from which to evaluate the evolution of BCPOS riparian areas.

Literature cited

- Andersen, D. C., and D. J. Cooper. 2000. Plant-Herbivore-Hydroperiod Interactions: Effects of Native Mammals on Floodplain Tree Recruitment. *Ecological Applications* **10**:1384-1399.
- Brauman, K. A., G. C. Daily, T. K. Duarte, and H. A. Mooney. 2007. The nature and value of ecosystem services: An overview highlighting hydrologic services. *Annual Review of Environment and Resources* **32**:67-98.
- Carlson, E. A. 2009. Fluvial riparian classification for national forests in the western United States. Colorado State University, Fort Collins, CO.
- Case, R. L., and J. B. Kauffman. 1997. Wild ungulate influences on the recovery of willows, black cottonwood and thin-leaf alder following cessation of cattle grazing in northeastern Oregon. *Northwest Science* **71**:115-126.
- Cooper, D. J., D. C. Andersen, and R. A. Chimner. 2003. Multiple pathways for woody plant establishment on floodplains at local to regional scales. *Journal of Ecology* **91**:182-196.
- Cooper, D. J., D. M. Merritt, D. C. Andersen, and R. A. Chimner. 1999. Factors controlling the establishment of Fremont cottonwood seedlings on the upper Green River, USA. *Regulated Rivers: Research and Management* **15**:419-440.
- De Waal, L. C., editor. 1994. Ecology and management of invasive riverside plants. Published for the International Centre of Landscape Ecology by Wiley, Chichester, New York.
- Dixon, M. D., M. G. Turner, and C. F. Jin. 2002. Riparian Tree Seedling Distribution on Wisconsin River Sandbars: Controls at Different Spatial Scales. *Ecological Monographs* **72**:465-485.
- Forest Service National Riparian Technical Team. 2014. USDA Forest Service National Riparian Vegetation Monitoring Core Protocol: Conterminous U.S. [Draft]. U.S.D.A. Forest Service.
- Friedman, J. M., G. T. Auble, P. B. Shafroth, M. L. Scott, M. F. Merigliano, M. D. Preehling, and E. K. Griffin. 2005. Dominance of non-native riparian trees in Western USA. *Biological Invasions* **7**:747-751.
- Friedman, J. M., and V. J. Lee. 2002. Extreme floods, channel change, and riparian forests along ephemeral streams. *Ecological Monographs* **72**:409-425.

Gage, E., and D. J. Cooper. 2013. Historical range of variation assessment for wetland and riparian ecosystems, US Forest Service Rocky Mountain Region. Gen. Tech. Rep. RMRS-GTR-286WWW, U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fort Collins, CO.

Gage, E. A., and D. J. Cooper. 2004. Constraints on willow seedling survival in a Rocky Mountain montane floodplain. *Wetlands* **24**:908-911.

Harmon, M. E., J. F. Franklin, F. J. Swanson, P. Sollins, S. V. Gregory, J. D. Lattin, N. H. Anderson, S. P. Cline, N. G. Aumen, J. R. Sedell, G. W. Lienkaemper, K. Cromack, and K. W. Cummins. 1986. Ecology of coarse woody debris in temperate ecosystems. *Advances in Ecological Research* **15**:133-302.

Hupp, C. R., and W. R. Osterkamp. 1985. Bottomland vegetation distribution along Passage Creek, Virginia, in relation to fluvial landforms. *Ecology* **66**:670-681.

Kalischuk, A. R., S. B. Rood, and J. M. Mahoney. 2001. Environmental Influences on Seedling Growth of Cottonwood Species Following a Major Flood. *Forest Ecology and Management* **144**:75-89.

Khosravipour, A., A. K. Skidmore, M. Isenburg, T. Wang, and Y. A. Hussin. 2014. Generating pit-free canopy height models from airborne lidar. *Photogrammetric Engineering & Remote Sensing* **80**:863-872.

Kui, L., J. Stella, A. Lightbody, and A. C. Wilcox. 2014. Ecogeomorphic feedbacks and flood loss of riparian tree seedlings in meandering channel experiments. *Water Resources Research*:n/a-n/a.

Lemly, J., and L. Gilligan. 2013. Ecological Integrity Assessment for Colorado Wetlands Field Manual, version 1.0 [draft]. Colorado State University, Colorado Natural Heritage Program, Fort Collins, CO.

Levine, C. M., and J. C. Stromberg. 2001. Effects of flooding on native and exotic plant seedlings: implications for restoring south-western riparian forests by manipulating water and sediment flows. *Journal of Arid Environments* **49**:111-131.

Malanson, G. P., and D. R. Butler. 1990. Woody debris, sediment, and riparian vegetation of a subalpine river, Montana, U.S.A. *Arctic and Alpine Research* **22**:183-194.

- Marr, J. W. 1961. Ecosystems of the east slope of the Front Range in Colorado. Series in Biology no. 8. University of Colorado, Institute of Arctic and Alpine Research, Boulder, CO.
- Masters, R. A., and R. L. Sheley. 2001. Principles and Practices for Managing Rangeland Invasive Plants. *Journal of Range Management* **54**:502-517.
- McBride, J. R., and J. Strahan. 1984. Establishment and survival of woody riparian species on gravel bars of an intermittent stream. *The American Midland Naturalist* **12**:235-245.
- Montgomery, D. R. 1999. Process domains and the river continuum. *Journal of the American Water Resources Association* **35**:397-410.
- Montgomery, D. R., and H. Piegay. 2003. Wood in Rivers: Interactions With Channel Morphology and Processes. *Geomorphology* **51**:1-5.
- Muldavin, E. H., B. Bader, E. R. Milford, M. McGraw, D. Lightfoot, B. Nicholson, and G. Larson. 2011. New Mexico Rapid Assessment Method: Montane Riverine Wetlands. Field Guide Version 1.1. Final report to the New Mexico Environment Department, Surface Water Quality Bureau, Santa Fe New Mexico. Santa Fe, NM.
- Naiman, R. J., E. V. Balian, K. K. Bartz, R. E. Bilby, and J. J. Latterell. 2002. Dead wood dynamics in stream ecosystems. Pages 23-48 *Proceedings of the Symposium on the Ecology and Management of Dead Wood in Western Forests*. USDA Forest Service.
- Nanson, G., and J. Croke. 1992. A genetic classification of floodplains. *Geomorphology* **4**:459-486.
- Niiyama, K. 1990. The role of seed dispersal and seedling traits in colonization and coexistence of *Salix* species in a seasonally flooded habitat. *Ecological Research* **5**:317-331.
- Olsen, A. R., T. M. Kincaid, and Q. Payton. 2012. Spatially balanced survey designs for natural resources. Pages 126-150 *in* R. A. Gitzen, J. J. Millsaugh, A. B. Cooper, and D. S. Licht, editors. *Design and Analysis of Long-Term Ecological Monitoring Studies*. Cambridge University Press, Cambridge, UK.
- Patten, D. T. 1998. Riparian ecosystems of semi-arid North America: Diversity and human impacts. *Wetlands* **18**:498-512.
- Pettit, N. E., and R. J. Naiman. 2005. Flood-Deposited Wood Debris and Its Contribution to Heterogeneity and Regeneration in a Semi-Arid Riparian Landscape. *Oecologia* **145**:434-444.

- Richmond, A. D., and K. D. Fauseh. 1995. Characteristics and function of large woody debris in subalpine Rocky Mountain streams in northern Colorado. *Canadian Journal of Fisheries and Aquatic Sciences* **52**:1789-1802.
- Rood, S. B., J. H. Braatne, and F. M. R. Hughes. 2003. Ecophysiology of riparian cottonwoods: streamflow dependency, water relations and restoration. *Tree physiology* **23**:1113-1124.
- Rood, S. B., A. R. Kalischuk, and J. M. Mahoney. 1998. Initial Cottonwood Seedling Recruitment Following the Flood of the Century of the Oldman River, Alberta, Canada. *Wetlands* **18**:557-570.
- Scott, M. L., G. T. Auble, and J. M. Friedman. 1997. Flood dependency of cottonwood establishment along the Missouri River, Montana, USA. *Ecological Applications* **7**:677-690.
- Scott, M. L., and E. W. Reynolds. 2007. Field-based evaluations of sampling techniques to support long-term monitoring of riparian ecosystems along wadeable streams on the Colorado Plateau. U.S. Geological Survey Open-File Report 2007-1266, US Department of the Interior, U.S. Geological Survey, Reston, VA.
- Stohlgren, T. J., M. B. Coughenour, G. W. Chong, D. Binkley, M. A. Kalkhan, L. D. Schell, D. J. Buckley, and J. K. Berry. 1997. Landscape analysis of plant diversity. *Landscape Ecology* **12**:155-170.
- Stromberg, J. C. 1997. Growth and survivorship of Fremont cottonwood, Goodding willow, and salt cedar seedlings after large floods in central Arizona. *Great Basin Naturalist* **57**:198-208.
- Theobald, D. M., D. L. Stevens Jr, D. White, N. S. Urquhart, A. R. Olsen, and J. B. Norman. 2007. Using GIS to generate spatially balanced random survey designs for natural resource applications. *Environmental Management* **40**:134-146.
- Weber, W. A., and R. C. Wittmann, editors. 2001. *Colorado Flora: Eastern Slope*. 3rd edition. University Press of Colorado, Niwot, Colorado.
- Wilcox, A. C., and E. E. Wohl. 2006. Flow Resistance Dynamics in Step-Pool Stream Channels: 1. Large Woody Debris and Controls on Total Resistance. *Water Resources Research* **42**.
- Wohl, E. 2006. Human Impacts to Mountain Streams. *Geomorphology* **79**:217-248.
- Wohl, E. E. 2000. *Mountain Rivers*. American Geophysical Union, Washington, D.C.

Wohl, E. E. 2005. Compromised rivers: understanding historical human impacts on rivers in the context of restoration. *Ecology and Society* **10**:[\[online only\]](#).

Zedler, J. B., and S. Kercher. 2004. Causes and consequences of invasive plants in wetlands: opportunities, opportunists, and outcomes. *Critical Reviews in Plant Sciences* **23**:431-452.

List of Appendices

See supplemental files for additional data and maps.

Appendix 1. Sampling design: RRQRR table of points

Appendix 2. Tree canopy maps: 2011.

Appendix 3. Tree canopy maps: 2013.

Appendix 4. Tree canopy difference maps.

Appendix 5 .Bare earth elevation difference maps.

Appendix 6. Normalized digital surface model: 2011.

Appendix 7. Maps of all RRQRR sample points, including oversample.

Appendix 8. Additional elevation cross-sections key to RRQRR id.

Appendix 1. Sampling design: table of points

Points highlighted in bold and blue text were sampled in the 2014 field season. Gaps in the RRQRR point id sequence are due point rejection.

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
2	South St Vrain Creek	68	HALL RANCH 2	1665	Grasslands Prairie	475063.10	4450764.00
3	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2268	Lower Montane	464324.39	4427225.70
6	South Boulder Creek	57	WALKER RANCH	1975	Lower Montane	472843.27	4421178.38
7	South Boulder Creek	55	WALKER RANCH	2008	Lower Montane	472032.82	4421185.98
8	St Vrain Creek	81	BRALY	1572	Grasslands Prairie	481876.68	4449777.97
9	Boulder Creek	27	DONIPHAN	1517	Grasslands Prairie	493394.63	4435755.02
10	Boulder Creek	27	DONIPHAN	1516	Grasslands Prairie	493556.64	4435848.56
11	South Boulder Creek	51	WALKER RANCH	2058	Lower Montane	470821.95	4420967.31
12	St Vrain Creek	77	MONTGOMERY	1588	Grasslands Prairie	480624.28	4450848.42
13	St Vrain Creek	75	BULLOCK	1600	Grasslands Prairie	479291.82	4451227.65
15	Boulder Creek	25	ALEXANDER DAWSON	1520	Grasslands Prairie	492804.36	4435362.24
17	Boulder Creek	21	ALEXANDER DAWSON	1527	Grasslands Prairie	491635.05	4434409.05
19	South Boulder Creek	53	WALKER RANCH	2040	Lower Montane	471345.81	4421470.16
20	St Vrain Creek	75	BULLOCK	1598	Grasslands Prairie	479493.24	4451284.41
21	Boulder Creek	10	PLATT-ROGERS MEMORIAL PARK	2293	Lower Montane	464020.22	4426776.45
22	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	494078.64	4444678.70

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
23	Boulder Creek	25	ALEXANDER DAWSON	1521	Grasslands Prairie	492715.04	4435192.12
24	South Boulder Creek	53	WALKER RANCH	2026	Lower Montane	471368.08	4421095.26
25	South Boulder Creek	51	WALKER RANCH	2061	Lower Montane	470684.83	4420965.03
26	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	492991.72	4435629.32
27	Boulder Creek	27	BAILEY-KENOSHA PONDS	1516	Grasslands Prairie	493730.78	4435929.85
28	South St Vrain Creek	70	HALL RANCH	1646	Grasslands Prairie	476171.64	4451208.70
30	South Boulder Creek	57	WALKER RANCH	1979	Lower Montane	472678.54	4421142.74
31	South St Vrain Creek	64	HALL RANCH 2	1695	Grasslands Prairie	474020.47	4450120.88
32	South St Vrain Creek	71	HALL RANCH	1645	Grasslands Prairie	476251.66	4451351.45
33	South St Vrain Creek	64	HALL RANCH 2	1695	Grasslands Prairie	473938.89	4450243.22
35	St Vrain Creek	79	WESTERN MOBILE	1579	Grasslands Prairie	481349.81	4450365.96
36	Boulder Creek	29	BAILEY	1514	Grasslands Prairie	494326.43	4436194.62
37	South Boulder Creek	52	WALKER RANCH	2051	Lower Montane	470849.97	4421073.79
38	South Boulder Creek	57	WALKER RANCH	1984	Lower Montane	472590.43	4421188.94
40	Boulder Creek	19	ALEXANDER DAWSON	1531	Grasslands Prairie	490898.38	4433989.67
41	South Boulder Creek	53	WALKER RANCH	2040	Lower Montane	471300.14	4421476.51
42	South Boulder Creek	53	WALKER RANCH	2029	Lower Montane	471328.79	4421153.37
44	St Vrain Creek	82	RAMEY	1566	Grasslands Prairie	482416.91	4449397.11
46	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	484236.61	4447884.71

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
47	South Boulder Creek	56	WALKER RANCH	1988	Lower Montane	472363.46	4420922.08
48	Left Hand Creek	33	STEEN	2266	Lower Montane	465282.54	4436160.13
49	South Boulder Creek	57	WALKER RANCH	1975	Lower Montane	472858.52	4421181.34
50	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	492623.08	4435095.13
51	St Vrain Creek	77	MONTGOMERY	1588	Grasslands Prairie	480609.06	4450851.55
52	St Vrain Creek	85	GAGE	1556	Grasslands Prairie	483427.13	4448608.35
53	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2304	Lower Montane	463470.89	4426621.10
54	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2274	Lower Montane	464406.28	4427158.20
56	Boulder Creek	24	ALEXANDER DAWSON	1523	Grasslands Prairie	492445.32	4434910.27
57	Middle St Vrain Creek	46	RANDOLPH PRATT	2434	Upper Montane Ecotone	459701.55	4443943.12
58	South St Vrain Creek	64	HALL RANCH 2	1695	Grasslands Prairie	474011.38	4450130.08
59	Boulder Creek	8	PLATT-ROGERS MEMORIAL PARK	2315	Lower Montane	462922.00	4426544.96
60	Middle St Vrain Creek	46	RANDOLPH PRATT	2442	Upper Montane Ecotone	459542.68	4443867.84
61	South St Vrain Creek	72	HALL RANCH	1646	Grasslands Prairie	476500.25	4451669.98
62	South Boulder Creek	56	BLM-SOUTH BOULDER CREEK	1990	Lower Montane	472372.67	4420934.22
64	North St Vrain Creek	73	HALL RANCH	1638	Grasslands Prairie	476624.06	4452555.95
66	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2371	Upper Montane Ecotone	461216.02	4425518.56
68	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2381	Upper Montane Ecotone	460935.26	4425440.92
69	Left Hand Creek	33	STEEN	2268	Lower Montane	465163.65	4436148.62

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
<i>70</i>	<i>Boulder Creek</i>	<i>26</i>	<i>DONIPHAN</i>	<i>1518</i>	<i>Grasslands Prairie</i>	<i>493239.17</i>	<i>4435743.71</i>
<i>72</i>	<i>St Vrain Creek</i>	<i>81</i>	<i>BRALY</i>	<i>1571</i>	<i>Grasslands Prairie</i>	<i>481904.04</i>	<i>4449765.63</i>
<i>73</i>	<i>Boulder Creek</i>	<i>7</i>	<i>PLATT-ROGERS MEMORIAL PARK</i>	<i>2327</i>	<i>Lower Montane</i>	<i>462476.47</i>	<i>4426425.58</i>
<i>74</i>	<i>St Vrain Creek</i>	<i>95</i>	<i>KEYES</i>	<i>1494</i>	<i>Grasslands Prairie</i>	<i>494599.56</i>	<i>4444657.49</i>
<i>75</i>	<i>Boulder Creek</i>	<i>20</i>	<i>ALEXANDER DAWSON</i>	<i>1530</i>	<i>Grasslands Prairie</i>	<i>490929.89</i>	<i>4434175.36</i>
<i>77</i>	<i>Boulder Creek</i>	<i>27</i>	<i>DONIPHAN</i>	<i>1516</i>	<i>Grasslands Prairie</i>	<i>493464.98</i>	<i>4435803.37</i>
<i>78</i>	<i>St Vrain Creek</i>	<i>80</i>	<i>WESTERN MOBILE</i>	<i>1575</i>	<i>Grasslands Prairie</i>	<i>481542.36</i>	<i>4449929.16</i>
<i>79</i>	<i>South Boulder Creek</i>	<i>54</i>	<i>WALKER RANCH</i>	<i>2022</i>	<i>Lower Montane</i>	<i>471607.56</i>	<i>4420877.58</i>
<i>80</i>	<i>St Vrain Creek</i>	<i>80</i>	<i>WESTERN MOBILE</i>	<i>1576</i>	<i>Grasslands Prairie</i>	<i>481418.33</i>	<i>4450088.30</i>
<i>82</i>	<i>South St Vrain Creek</i>	<i>67</i>	<i>HALL RANCH 2</i>	<i>1666</i>	<i>Grasslands Prairie</i>	<i>475047.71</i>	<i>4450736.67</i>
<i>84</i>	<i>St Vrain Creek</i>	<i>88</i>	<i>PELLA CROSSING</i>	<i>1548</i>	<i>Grasslands Prairie</i>	<i>484351.89</i>	<i>4447795.70</i>
<i>86</i>	<i>St Vrain Creek</i>	<i>81</i>	<i>BRALY</i>	<i>1571</i>	<i>Grasslands Prairie</i>	<i>481998.27</i>	<i>4449725.49</i>
<i>88</i>	<i>South Boulder Creek</i>	<i>54</i>	<i>WALKER RANCH</i>	<i>2016</i>	<i>Lower Montane</i>	<i>471763.67</i>	<i>4421004.67</i>
<i>89</i>	<i>South St Vrain Creek</i>	<i>64</i>	<i>HALL RANCH 2</i>	<i>1695</i>	<i>Grasslands Prairie</i>	<i>473957.04</i>	<i>4450218.74</i>
<i>91</i>	<i>St Vrain Creek</i>	<i>77</i>	<i>MONTGOMERY</i>	<i>1588</i>	<i>Grasslands Prairie</i>	<i>480466.08</i>	<i>4450891.97</i>
<i>92</i>	<i>St Vrain Creek</i>	<i>76</i>	<i>WALLACE</i>	<i>1595</i>	<i>Grasslands Prairie</i>	<i>479815.94</i>	<i>4451233.84</i>
<i>93</i>	<i>St Vrain Creek</i>	<i>78</i>	<i>WESTERN MOBILE</i>	<i>1582</i>	<i>Grasslands Prairie</i>	<i>481082.89</i>	<i>4450583.79</i>
<i>94</i>	<i>South Boulder Creek</i>	<i>57</i>	<i>WALKER RANCH</i>	<i>1983</i>	<i>Lower Montane</i>	<i>472620.90</i>	<i>4421188.77</i>
<i>95</i>	<i>St Vrain Creek</i>	<i>75</i>	<i>BULLOCK</i>	<i>1599</i>	<i>Grasslands Prairie</i>	<i>479349.81</i>	<i>4451245.61</i>

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
98	Boulder Creek	27	DONIPHAN	1517	Grasslands Prairie	493352.11	4435779.63
99	Boulder Creek	20	ALEXANDER DAWSON	1530	Grasslands Prairie	491103.68	4434195.71
100	South Boulder Creek	52	WALKER RANCH	2051	Lower Montane	470850.06	4421089.03
101	Middle St Vrain Creek	48	ADAMS-COWGER	2185	Lower Montane	464961.62	4446826.40
102	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	484379.20	4447774.21
103	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	493284.92	4435752.59
104	Boulder Creek	5	PLATT-ROGERS MEMORIAL PARK	2344	Lower Montane	461845.73	4425880.67
107	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	493306.37	4435773.80
108	St Vrain Creek	85	GAGE	1557	Grasslands Prairie	483369.13	4448590.39
109	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2302	Lower Montane	463547.68	4426730.36
110	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	492479.02	4434943.60
111	St Vrain Creek	93	GOLDEN FARM	1497	Grasslands Prairie	493801.56	4444713.78
112	Boulder Creek	10	PLATT-ROGERS MEMORIAL PARK	2303	Lower Montane	463627.20	4426784.75
113	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2372	Upper Montane Ecotone	461210.08	4425546.02
114	South Boulder Creek	51	BLM-SOUTH BOULDER CREEK	2059	Lower Montane	470745.54	4420925.08
115	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	493260.48	4435740.54
116	South Boulder Creek	52	WALKER RANCH	2048	Lower Montane	470878.28	4421232.08
117	Boulder Creek	15	ADOR	1893	Lower Montane	468653.30	4428158.11
118	Boulder Creek	32	ROGERS	2424	Upper Montane Ecotone	459721.38	4424689.03

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
119	<i>St Vrain Creek</i>	77	<i>MONTGOMERY</i>	1588	<i>Grasslands Prairie</i>	480450.86	4450895.10
121	<i>Boulder Creek</i>	28	<i>BAILEY</i>	1515	<i>Grasslands Prairie</i>	493843.91	4435999.29
125	<i>Boulder Creek</i>	27	<i>DONIPHAN</i>	1516	<i>Grasslands Prairie</i>	493452.74	4435794.30
126	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	494178.90	4444626.34
127	St Vrain Creek	86	GAGE	1554	Grasslands Prairie	483600.41	4448537.29
128	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2334	Lower Montane	462298.76	4426249.85
129	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	494441.21	4444673.61
130	Left Hand Creek	45	PECK	1524	Grasslands Prairie	488651.50	4442430.17
131	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	492313.62	4434789.14
132	St Vrain Creek	95	KEYES	1494	Grasslands Prairie	494571.95	4444624.13
133	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	494477.61	4444645.99
134	Left Hand Creek	42	IMEL	1556	Grasslands Prairie	483719.98	4440538.37
135	Left Hand Creek	44	RUSSELL-ANDERSON-SCHMIDT	1525	Grasslands Prairie	488428.15	4442266.89
136	Boulder Creek	4	PLATT-ROGERS MEMORIAL PARK	2359	Upper Montane Ecotone	461244.99	4425795.68
137	South Boulder Creek	55	WALKER RANCH	2003	Lower Montane	472099.29	4421085.06
138	Middle St Vrain Creek	47	RANDOLPH PRATT	2429	Upper Montane Ecotone	459847.85	4443951.43
139	South Boulder Creek	52	WALKER RANCH	2049	Lower Montane	470914.98	4421256.25
140	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	484082.59	4448129.33
141	Boulder Creek	5	PLATT-ROGERS MEMORIAL PARK	2348	Lower Montane	461815.26	4425880.84

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
142	South St Vrain Creek	72	HALL RANCH	1645	Grasslands Prairie	476552.56	4451761.09
143	St Vrain Creek	78	WESTERN MOBILE	1582	Grasslands Prairie	481167.93	4450534.56
144	St Vrain Creek	83	SADAR	1562	Grasslands Prairie	482790.00	4449096.40
145	Boulder Creek	24	ALEXANDER DAWSON	1521	Grasslands Prairie	492696.62	4435167.85
146	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2298	Lower Montane	464145.42	4426824.50
147	St Vrain Creek	89	PELLA CROSSING	1546	Grasslands Prairie	484661.48	4447580.66
148	Boulder Creek	22	ALEXANDER DAWSON	1526	Grasslands Prairie	491818.19	4434465.91
149	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2365	Upper Montane Ecotone	461164.99	4425655.97
150	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2278	Lower Montane	464415.36	4427145.96
151	Left Hand Creek	42	IMEL	1554	Grasslands Prairie	483774.96	4440562.44
152	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	492601.63	4435073.93
153	South St Vrain Creek	64	HALL RANCH 2	1700	Grasslands Prairie	473908.61	4450276.91
154	South St Vrain Creek	69	HALL RANCH	1653	Grasslands Prairie	475735.23	4451086.23
155	Boulder Creek	8	PLATT-ROGERS MEMORIAL PARK	2315	Lower Montane	462937.22	4426541.82
156	Boulder Creek	25	ALEXANDER DAWSON	1520	Grasslands Prairie	492795.06	4435334.87
157	Left Hand Creek	44	RUSSELL-ANDERSON-SCHMIDT	1524	Grasslands Prairie	488385.27	4442227.52
158	Boulder Creek	23	ALEXANDER DAWSON	1525	Grasslands Prairie	492068.79	4434598.56
159	St Vrain Creek	80	WESTERN MOBILE	1575	Grasslands Prairie	481551.26	4449886.45
160	Left Hand Creek	43	RUSSELL-ANDERSON-SCHMIDT	1525	Grasslands Prairie	488097.83	4442046.33

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
161	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2332	Lower Montane	462570.70	4426385.44
162	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2395	Upper Montane Ecotone	460666.26	4425287.03
163	St Vrain Creek	89	PELLA CROSSING	1547	Grasslands Prairie	484603.85	4447626.69
164	St Vrain Creek	94	KEYES	1495	Grasslands Prairie	494304.04	4444665.25
165	Boulder Creek	20	ALEXANDER DAWSON	1529	Grasslands Prairie	491116.15	4434244.39
166	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2327	Lower Montane	462491.70	4426425.49
167	Boulder Creek	30	REYNOLDS RANCH	2440	Upper Montane Ecotone	459086.67	4424521.97
168	Boulder Creek	22	ALEXANDER DAWSON	1526	Grasslands Prairie	491717.51	4434442.10
169	St Vrain Creek	80	BRALY	1574	Grasslands Prairie	481654.72	4449861.49
170	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2276	Lower Montane	464430.37	4427106.27
171	South Boulder Creek	57	WALKER RANCH	1978	Lower Montane	472977.69	4421241.61
172	Boulder Creek	18	BOULDER CANYON TRAIL-OLMSTED	1738	Lower Montane Ecotone	472707.08	4429475.98
173	Boulder Creek	22	ALEXANDER DAWSON	1526	Grasslands Prairie	491790.72	4434456.92
174	Left Hand Creek	34	STEEN	2253	Lower Montane	465596.27	4436140.09
175	Boulder Creek	18	BOULDER CANYON TRAIL-OLMSTED	1743	Lower Montane Ecotone	472679.71	4429485.27
176	St Vrain Creek	94	KEYES	1495	Grasslands Prairie	494252.06	4444632.02
177	Boulder Creek	20	ALEXANDER DAWSON	1530	Grasslands Prairie	490895.66	4434047.58
178	South Boulder Creek	59	BLM-SOUTH BOULDER CREEK	1938	Lower Montane	473063.19	4420732.29
179	South Boulder Creek	54	WALKER RANCH	2019	Lower Montane	471748.30	4420980.39

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
180	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	493318.49	4435761.54
181	South Boulder Creek	55	WALKER RANCH	2005	Lower Montane	472116.32	4420862.53
182	St Vrain Creek	91	GOLDEN-FREDSTROM	1540	Grasslands Prairie	485500.99	4447319.99
183	South Boulder Creek	54	WALKER RANCH	2025	Lower Montane	471474.13	4420991.07
184	Boulder Creek	21	ALEXANDER DAWSON	1527	Grasslands Prairie	491467.31	4434379.52
185	St Vrain Creek	76	WALLACE	1596	Grasslands Prairie	479676.06	4451283.38
186	Left Hand Creek	35	STEEN	2207	Lower Montane	466160.51	4436237.46
187	Left Hand Creek	42	IMEL	1553	Grasslands Prairie	483833.11	4440607.82
188	South Boulder Creek	55	WALKER RANCH	2002	Lower Montane	472074.47	4421005.98
189	St Vrain Creek	92	GOLDEN-FREDSTROM	1537	Grasslands Prairie	485996.59	4447131.33
190	South St Vrain Creek	70	HALL RANCH	1646	Grasslands Prairie	476183.84	4451211.67
191	South Boulder Creek	51	WALKER RANCH	2066	Lower Montane	470508.74	4421078.76
192	Boulder Creek	27	DONIPHAN	1516	Grasslands Prairie	493584.15	4435863.64
193	St Vrain Creek	95	KEYES	1494	Grasslands Prairie	494767.26	4444677.87
194	Boulder Creek	5	PLATT-ROGERS MEMORIAL PARK	2350	Lower Montane	461772.64	4425887.17
195	St Vrain Creek	91	GOLDEN-FREDSTROM	1539	Grasslands Prairie	485640.80	4447258.26
196	Boulder Creek	22	ALEXANDER DAWSON	1525	Grasslands Prairie	492044.33	4434583.46
197	St Vrain Creek	90	GOLDEN-FREDSTROM	1542	Grasslands Prairie	485230.43	4447431.21
198	South St Vrain Creek	68	HALL RANCH 2	1665	Grasslands Prairie	475069.26	4450776.16

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
199	Left Hand Creek	37	ANDERSON-BUTZEL HILL	2116	Lower Montane	467994.73	4436769.50
200	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	493294.12	4435761.68
201	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	484248.71	4447869.40
202	Boulder Creek	1	PLATT-ROGERS MEMORIAL PARK	2400	Upper Montane Ecotone	460424.90	4425172.60
203	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2331	Lower Montane	462402.97	4426358.96
204	Left Hand Creek	34	STEEN	2253	Lower Montane	465581.04	4436140.17
205	South St Vrain Creek	69	HALL RANCH	1654	Grasslands Prairie	475646.79	4451071.50
206	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	494151.51	4444632.59
207	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2307	Lower Montane	463391.09	4426517.95
208	St Vrain Creek	96	KEYES	1493	Grasslands Prairie	495047.73	4444703.71
209	St Vrain Creek	81	BRALY	1572	Grasslands Prairie	481815.74	4449778.32
210	Boulder Creek	24	ALEXANDER DAWSON	1521	Grasslands Prairie	492687.41	4435155.71
211	South St Vrain Creek	66	HALL RANCH 2	1677	Grasslands Prairie	474916.81	4450216.37
212	St Vrain Creek	91	GOLDEN-FREDSTROM	1541	Grasslands Prairie	485342.91	4447384.87
213	Left Hand Creek	42	IMEL	1552	Grasslands Prairie	483921.71	4440649.97
214	South Boulder Creek	57	WALKER RANCH	1979	Lower Montane	472666.40	4421151.95
215	St Vrain Creek	76	WALLACE	1596	Grasslands Prairie	479703.43	4451274.09
216	Boulder Creek	32	ROGERS	2430	Upper Montane Ecotone	459562.89	4424680.78
217	St Vrain Creek	77	MONTGOMERY	1588	Grasslands Prairie	480706.38	4450817.48

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
218	South Boulder Creek	50	BLM-SOUTH BOULDER CREEK	1897	Lower Montane	473922.32	4420169.87
219	South St Vrain Creek	66	HALL RANCH 2	1677	Grasslands Prairie	474904.59	4450210.35
220	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2331	Lower Montane	462384.55	4426334.69
221	St Vrain Creek	92	GOLDEN-FREDSTROM	1537	Grasslands Prairie	485947.97	4447155.98
222	Left Hand Creek	42	IMEL	1555	Grasslands Prairie	483747.47	4440550.41
223	St Vrain Creek	88	PELLA CROSSING	1549	Grasslands Prairie	484215.78	4447973.19
224	Boulder Creek	29	BAILEY-KENOSHA PONDS	1513	Grasslands Prairie	494433.36	4436245.81
225	South Boulder Creek	58	WALKER RANCH	1964	Lower Montane	473032.95	4421314.42
226	Left Hand Creek	39	BREWBAKER-SORENSSON	1633	Grasslands Prairie	478629.66	4440207.50
227	Boulder Creek	27	DONIPHAN	1516	Grasslands Prairie	493504.71	4435824.48
228	Boulder Creek	20	ALEXANDER DAWSON	1529	Grasslands Prairie	491125.80	4434335.74
229	South Boulder Creek	57	WALKER RANCH	1970	Lower Montane	472901.23	4421190.24
230	Boulder Creek	16	DAVIES	1891	Lower Montane	468869.50	4428132.52
231	St Vrain Creek	85	GAGE	1557	Grasslands Prairie	483341.73	4448593.59
232	St Vrain Creek	88	PELLA CROSSING	1549	Grasslands Prairie	484224.76	4447945.71
233	South St Vrain Creek	70	HALL RANCH	1646	Grasslands Prairie	476199.09	4451214.64
234	St Vrain Creek	85	GAGE	1556	Grasslands Prairie	483484.95	4448595.83
235	South Boulder Creek	51	WALKER RANCH	2065	Lower Montane	470618.36	4421065.95
236	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2306	Lower Montane	463424.77	4426548.23

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
237	St Vrain Creek	81	BRALY	1572	Grasslands Prairie	481846.23	4449781.19
238	Boulder Creek	21	ALEXANDER DAWSON	1527	Grasslands Prairie	491586.13	4434378.85
239	North St Vrain Creek	74	HALL RANCH	1638	Grasslands Prairie	476639.28	4452552.82
240	Boulder Creek	20	ALEXANDER DAWSON	1529	Grasslands Prairie	491027.56	4434205.28
241	South St Vrain Creek	66	HALL RANCH 2	1672	Grasslands Prairie	475036.49	4450368.05
242	South Boulder Creek	58	WALKER RANCH	1952	Lower Montane	473160.01	4421152.22
243	Boulder Creek	25	ALEXANDER DAWSON	1521	Grasslands Prairie	492739.62	4435228.54
244	South St Vrain Creek	64	HALL RANCH 2	1695	Grasslands Prairie	473966.11	4450206.51
245	St Vrain Creek	96	KEYES	1493	Grasslands Prairie	495056.81	4444694.52
246	Boulder Creek	14	BOULDER FALLS	2148	Lower Montane	464938.67	4428093.68
247	St Vrain Creek	91	GOLDEN-FREDSTROM	1540	Grasslands Prairie	485586.21	4447304.28
248	Left Hand Creek	38	BREWBAKER-SORENSSON	1636	Grasslands Prairie	478423.60	4440409.76
249	Left Hand Creek	45	PECK	1524	Grasslands Prairie	488698.23	4442612.72
250	Left Hand Creek	38	BREWBAKER-SORENSSON	1636	Grasslands Prairie	478451.01	4440406.56
251	South Boulder Creek	57	WALKER RANCH	1986	Lower Montane	472581.24	4421179.85
252	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	493178.37	4435768.42
253	Left Hand Creek	35	STEEN	2227	Lower Montane	465980.25	4436150.11
254	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	484170.42	4448034.38
255	Middle St Vrain Creek	48	ADAMS-COWGER	2180	Lower Montane	465019.43	4446810.84

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
256	Left Hand Creek	38	BREWBAKER-SORENSSON	1641	Grasslands Prairie	478174.08	4440469.06
257	South Boulder Creek	54	BLM-SOUTH BOULDER CREEK	2030	Lower Montane	471492.09	4420933.07
258	Left Hand Creek	45	PECK	1523	Grasslands Prairie	488698.16	4442600.54
259	South Boulder Creek	55	WALKER RANCH	2002	Lower Montane	472065.26	4420993.84
260	Left Hand Creek	43	RUSSELL-ANDERSON-SCHMIDT	1525	Grasslands Prairie	488067.19	4442016.03
261	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2372	Upper Montane Ecotone	461203.67	4425491.21
262	St Vrain Creek	95	KEYES	1494	Grasslands Prairie	494593.40	4444645.33
263	South Boulder Creek	53	WALKER RANCH	2038	Lower Montane	471269.64	4421470.59
264	South Boulder Creek	58	WALKER RANCH	1964	Lower Montane	473060.37	4421314.27
265	Boulder Creek	28	BAILEY	1515	Grasslands Prairie	494121.82	4436113.50
266	South Boulder Creek	52	WALKER RANCH	2047	Lower Montane	470902.76	4421250.22
267	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	492359.54	4434828.49
268	St Vrain Creek	80	WESTERN MOBILE	1577	Grasslands Prairie	481421.72	4450149.22
269	Left Hand Creek	35	STEEN	2206	Lower Montane	466191.05	4436249.48
270	Boulder Creek	18	BOULDER CANYON TRAIL-OLMSTED	1738	Lower Montane Ecotone	472719.23	4429469.81
271	St Vrain Creek	75	BULLOCK	1599	Grasslands Prairie	479365.05	4451245.52
272	Left Hand Creek	35	STEEN	2235	Lower Montane	465940.55	4436135.10
273	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	494032.97	4444685.06
274	St Vrain Creek	89	GOLDEN-FREDSTROM	1546	Grasslands Prairie	484877.06	4447445.38

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
275	Boulder Creek	19	ALEXANDER DAWSON	1531	Grasslands Prairie	490711.99	4433896.27
276	Left Hand Creek	41	IMEL	1558	Grasslands Prairie	483466.17	4440375.27
277	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2383	Upper Montane Ecotone	460956.70	4425462.13
278	St Vrain Creek	77	MONTGOMERY	1587	Grasslands Prairie	480536.01	4450864.15
279	Boulder Creek	25	ALEXANDER DAWSON	1520	Grasslands Prairie	492751.96	4435255.89
280	Left Hand Creek	44	PECK	1524	Grasslands Prairie	488522.94	4442327.30
281	South Boulder Creek	54	WALKER RANCH	2028	Lower Montane	471425.71	4421049.23
282	South Boulder Creek	53	WALKER RANCH	2035	Lower Montane	471414.82	4421280.86
283	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	480967.57	4450666.71
284	South St Vrain Creek	69	HALL RANCH	1655	Grasslands Prairie	475622.50	4451086.87
285	St Vrain Creek	80	WESTERN MOBILE	1575	Grasslands Prairie	481503.09	4449990.32
286	South Boulder Creek	50	BLM-SOUTH BOULDER CREEK	1902	Lower Montane	473794.20	4420143.17
287	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	484067.59	4448172.07
288	Boulder Creek	20	ALEXANDER DAWSON	1530	Grasslands Prairie	491122.07	4434213.89
289	Left Hand Creek	37	ANDERSON-BUTZEL HILL	2112	Lower Montane	468022.19	4436775.44
290	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2387	Upper Montane Ecotone	460879.83	4425337.63
291	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	492558.74	4435031.51
292	St Vrain Creek	80	BRALY	1573	Grasslands Prairie	481715.61	4449852.01
293	South St Vrain Creek	66	HALL RANCH 2	1675	Grasslands Prairie	474959.54	4450228.32

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
294	St Vrain Creek	94	KEYES	1495	Grasslands Prairie	494352.85	4444674.11
295	Left Hand Creek	43	RUSSELL-ANDERSON-SCHMIDT	1525	Grasslands Prairie	488042.53	4441964.37
296	Left Hand Creek	41	IMEL	1555	Grasslands Prairie	483652.50	4440459.53
297	South Boulder Creek	52	WALKER RANCH	2047	Lower Montane	470966.95	4421286.42
298	Boulder Creek	17	BETASSO PRESERVE	1807	Lower Montane Ecotone	471186.65	4428390.67
299	South Boulder Creek	53	WALKER RANCH	2038	Lower Montane	471257.43	4421467.61
300	St Vrain Creek	85	GAGE	1556	Grasslands Prairie	483515.38	4448589.57
301	St Vrain Creek	79	WESTERN MOBILE	1582	Grasslands Prairie	481277.38	4450491.29
302	St Vrain Creek	89	PELLA CROSSING	1547	Grasslands Prairie	484515.79	4447682.04
303	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	494209.35	4444623.12
304	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	492151.26	4434634.66
305	Left Hand Creek	41	IMEL	1555	Grasslands Prairie	483692.37	4440505.01
306	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2374	Upper Montane Ecotone	461148.74	4425476.28
307	Boulder Creek	25	ALEXANDER DAWSON	1521	Grasslands Prairie	492733.45	4435216.39
308	Left Hand Creek	41	IMEL	1555	Grasslands Prairie	483615.81	4440435.36
309	Boulder Creek	16	DAVIES	1887	Lower Montane	468881.72	4428138.55
310	Boulder Creek	28	BAILEY-KENOSHA PONDS	1515	Grasslands Prairie	493932.32	4436007.93
311	Left Hand Creek	44	RUSSELL-ANDERSON-SCHMIDT	1524	Grasslands Prairie	488373.03	4442218.45
312	St Vrain Creek	90	GOLDEN-FREDSTROM	1543	Grasslands Prairie	485126.83	4447431.79

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
313	South Boulder Creek	51	WALKER RANCH	2064	Lower Montane	470645.58	4421029.24
314	St Vrain Creek	96	KEYES	1492	Grasslands Prairie	495257.70	4444656.82
315	South St Vrain Creek	69	HALL RANCH	1654	Grasslands Prairie	475631.57	4451074.63
316	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2293	Lower Montane	464228.06	4426891.07
317	St Vrain Creek	91	GOLDEN-FREDSTROM	1540	Grasslands Prairie	485592.22	4447289.01
318	Boulder Creek	22	ALEXANDER DAWSON	1525	Grasslands Prairie	491876.22	4434489.95
319	St Vrain Creek	81	BRALY	1573	Grasslands Prairie	481727.55	4449809.28
320	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	492240.06	4434713.38
321	St Vrain Creek	85	GAGE	1558	Grasslands Prairie	483244.60	4448661.17
322	South St Vrain Creek	66	HALL RANCH 2	1679	Grasslands Prairie	474858.85	4450204.51
323	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2325	Lower Montane	462674.21	4426369.62
324	South Boulder Creek	53	WALKER RANCH	2035	Lower Montane	471408.80	4421293.08
325	Left Hand Creek	38	BREWBAKER-SORENSSON	1634	Grasslands Prairie	478502.46	4440345.33
326	Boulder Creek	28	BAILEY	1515	Grasslands Prairie	494106.59	4436113.59
327	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	494133.37	4444657.07
328	Boulder Creek	17	BETASSO PRESERVE	1808	Lower Montane Ecotone	471122.99	4428448.92
329	South Boulder Creek	58	WALKER RANCH	1951	Lower Montane	473145.10	4421210.20
330	Boulder Creek	32	ROGERS	2426	Upper Montane Ecotone	459611.45	4424646.99
331	St Vrain Creek	76	BULLOCK	1596	Grasslands Prairie	479590.90	4451311.28

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
332	Left Hand Creek	45	PECK	1523	Grasslands Prairie	488565.63	4442333.15
333	St Vrain Creek	85	GAGE	1555	Grasslands Prairie	483539.69	4448577.24
334	Left Hand Creek	35	STEEN	2230	Lower Montane	465913.04	4436120.02
335	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	484248.80	4447884.64
336	St Vrain Creek	89	PELLA CROSSING	1546	Grasslands Prairie	484694.82	4447550.01
337	South Boulder Creek	53	WALKER RANCH	2030	Lower Montane	471368.64	4421195.80
338	St Vrain Creek	77	MONTGOMERY	1585	Grasslands Prairie	480760.95	4450768.43
339	South St Vrain Creek	71	HALL RANCH	1646	Grasslands Prairie	476300.25	4451323.76
340	South Boulder Creek	57	WALKER RANCH	1973	Lower Montane	472885.98	4421187.28
341	Boulder Creek	21	ALEXANDER DAWSON	1528	Grasslands Prairie	491317.70	4434325.52
342	Boulder Creek	32	GREAT NORTHERN	2426	Upper Montane Ecotone	459638.82	4424637.70
343	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	493251.39	4435749.73
344	South Boulder Creek	57	WALKER RANCH	1986	Lower Montane	472559.69	4421140.36
345	Left Hand Creek	45	PECK	1523	Grasslands Prairie	488688.67	4442539.65
346	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	494410.70	4444667.69
347	South Boulder Creek	56	BLM-SOUTH BOULDER CREEK	1986	Lower Montane	472406.56	4421001.06
348	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2317	Lower Montane	462836.57	4426524.11
349	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	484288.27	4447860.04
350	South St Vrain Creek	66	HALL RANCH 2	1679	Grasslands Prairie	474843.62	4450204.60

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
351	Boulder Creek	30	REYNOLDS RANCH	2446	Upper Montane	459063.87	4424260.05
352	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2290	Lower Montane	464267.79	4426912.18
353	South Boulder Creek	51	WALKER RANCH	2068	Lower Montane	470594.07	4421081.33
354	St Vrain Creek	89	PELLA CROSSING	1546	Grasslands Prairie	484706.96	4447540.80
355	Boulder Creek	4	PLATT-ROGERS MEMORIAL PARK	2356	Upper Montane Ecotone	461306.17	4425837.99
356	Left Hand Creek	39	BREWBAKER-SORENSSON	1633	Grasslands Prairie	478647.84	4440189.11
357	South Boulder Creek	54	WALKER RANCH	2023	Lower Montane	471537.54	4420887.11
358	Left Hand Creek	39	BREWBAKER-SORENSSON	1633	Grasslands Prairie	478620.89	4440274.58
359	South Boulder Creek	51	WALKER RANCH	2068	Lower Montane	470502.25	4421008.71
360	Left Hand Creek	41	IMEL	1555	Grasslands Prairie	483664.74	4440468.60
361	South St Vrain Creek	71	HALL RANCH	1647	Grasslands Prairie	476284.63	4451253.76
362	South Boulder Creek	53	WALKER RANCH	2040	Lower Montane	471357.98	4421467.04
363	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	494492.81	4444639.81
364	South St Vrain Creek	66	HALL RANCH 2	1673	Grasslands Prairie	475048.17	4450276.57
365	St Vrain Creek	92	GOLDEN-FREDSTROM	1538	Grasslands Prairie	485865.86	4447183.87
366	St Vrain Creek	79	WESTERN MOBILE	1579	Grasslands Prairie	481346.59	4450335.51
367	Boulder Creek	19	ALEXANDER DAWSON	1531	Grasslands Prairie	490794.61	4433959.79
368	St Vrain Creek	91	GOLDEN-FREDSTROM	1539	Grasslands Prairie	485601.29	4447276.77
369	Middle St Vrain Creek	46	RANDOLPH PRATT	2433	Upper Montane Ecotone	459732.05	4443949.04

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
370	Boulder Creek	31	REYNOLDS RANCH	2441	Upper Montane Ecotone	459114.17	4424537.05
371	St Vrain Creek	79	WESTERN MOBILE	1583	Grasslands Prairie	481240.96	4450515.87
372	Left Hand Creek	38	BREWBAKER-SORENSSON	1639	Grasslands Prairie	478240.96	4440441.26
373	Boulder Creek	22	ALEXANDER DAWSON	1527	Grasslands Prairie	491659.51	4434424.14
374	South Boulder Creek	54	WALKER RANCH	2023	Lower Montane	471699.24	4420925.82
375	Left Hand Creek	44	RUSSELL-ANDERSON-SCHMIDT	1525	Grasslands Prairie	488235.30	4442109.54
376	St Vrain Creek	93	GOLDEN FARM	1496	Grasslands Prairie	493917.24	4444694.85
377	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2309	Lower Montane	463314.67	4426475.72
378	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	494194.13	4444626.26
379	Left Hand Creek	34	STEEN	2252	Lower Montane	465638.96	4436145.94
380	South Boulder Creek	53	WALKER RANCH	2039	Lower Montane	471211.66	4421455.68
381	St Vrain Creek	85	GAGE	1557	Grasslands Prairie	483299.17	4448612.12
382	South Boulder Creek	53	WALKER RANCH	2049	Lower Montane	471098.72	4421419.75
383	South St Vrain Creek	66	HALL RANCH 2	1679	Grasslands Prairie	474828.38	4450204.69
384	South St Vrain Creek	72	HALL RANCH	1645	Grasslands Prairie	476527.96	4451721.62
385	Left Hand Creek	44	RUSSELL-ANDERSON-SCHMIDT	1524	Grasslands Prairie	488363.84	4442209.36
386	St Vrain Creek	85	GAGE	1558	Grasslands Prairie	483223.40	4448682.62
387	St Vrain Creek	90	GOLDEN-FREDSTROM	1543	Grasslands Prairie	485111.58	4447428.83
388	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	484321.63	4447832.43

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
389	South St Vrain Creek	62	BROOKS	2109	Lower Montane	466659.39	4446393.30
390	St Vrain Creek	82	RAMEY	1566	Grasslands Prairie	482368.35	4449430.90
391	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2387	Upper Montane Ecotone	460901.55	4425407.59
392	Boulder Creek	16	ADOR	1891	Lower Montane	468838.99	4428126.60
393	South St Vrain Creek	69	HALL RANCH	1654	Grasslands Prairie	475662.06	4451077.51
394	St Vrain Creek	85	GAGE	1556	Grasslands Prairie	483500.17	4448592.70
395	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2375	Upper Montane Ecotone	461090.96	4425494.89
396	South Boulder Creek	53	WALKER RANCH	2045	Lower Montane	471055.96	4421401.71
397	Left Hand Creek	42	IMEL	1555	Grasslands Prairie	483698.53	4440517.17
398	South St Vrain Creek	70	HALL RANCH	1647	Grasslands Prairie	476156.44	4451214.88
399	South St Vrain Creek	66	HALL RANCH 2	1678	Grasslands Prairie	474889.32	4450204.34
400	South Boulder Creek	53	WALKER RANCH	2038	Lower Montane	471184.19	4421446.69
401	South Boulder Creek	52	WALKER RANCH	2045	Lower Montane	471012.88	4421325.77
402	Boulder Creek	1	PLATT-ROGERS MEMORIAL PARK	2397	Upper Montane Ecotone	460531.85	4425226.85
403	Boulder Creek	27	BAILEY-KENOSHA PONDS	1516	Grasslands Prairie	493703.29	4435917.81
404	St Vrain Creek	95	KEYES	1494	Grasslands Prairie	494556.70	4444621.16
405	Boulder Creek	27	DONIPHAN	1517	Grasslands Prairie	493410.07	4435791.49
406	St Vrain Creek	85	GAGE	1557	Grasslands Prairie	483384.40	4448596.40
407	St Vrain Creek	90	GOLDEN-FREDSTROM	1543	Grasslands Prairie	485157.32	4447434.66

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
408	St Vrain Creek	93	GOLDEN FARM	1497	Grasslands Prairie	493786.35	4444716.91
409	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	484124.92	4448071.20
410	South Boulder Creek	51	WALKER RANCH	2066	Lower Montane	470551.47	4421090.71
411	South Boulder Creek	57	WALKER RANCH	1984	Lower Montane	472550.48	4421128.23
412	South Boulder Creek	50	BLM-SOUTH BOULDER CREEK	1898	Lower Montane	473888.65	4420142.64
413	St Vrain Creek	95	KEYES	1494	Grasslands Prairie	494779.48	4444683.90
414	St Vrain Creek	76	WALLACE	1595	Grasslands Prairie	479746.00	4451258.61
415	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	481037.52	4450641.94
416	St Vrain Creek	92	GOLDEN-FREDSTROM	1537	Grasslands Prairie	485923.70	4447174.40
417	Boulder Creek	19	ALEXANDER DAWSON	1531	Grasslands Prairie	490837.29	4433962.59
418	Boulder Creek	14	BOULDER FALLS	2162	Lower Montane	464840.96	4428057.66
419	South Boulder Creek	55	WALKER RANCH	2007	Lower Montane	472060.04	4421149.26
420	St Vrain Creek	92	GOLDEN-FREDSTROM	1538	Grasslands Prairie	485786.92	4447233.07
421	Boulder Creek	25	ALEXANDER DAWSON	1520	Grasslands Prairie	492831.98	4435398.65
422	South Boulder Creek	57	WALKER RANCH	1980	Lower Montane	472712.44	4421212.63
423	South Boulder Creek	54	WALKER RANCH	2013	Lower Montane	471813.12	4421129.32
424	St Vrain Creek	93	GOLDEN FARM	1497	Grasslands Prairie	493758.96	4444723.16
425	South Boulder Creek	55	WALKER RANCH	2020	Lower Montane	471874.42	4421192.96
426	South St Vrain Creek	65	HALL RANCH 2	1682	Grasslands Prairie	474563.51	4450242.74

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
427	South Boulder Creek	56	WALKER RANCH	1990	Lower Montane	472329.77	4420891.80
428	St Vrain Creek	77	MONTGOMERY	1587	Grasslands Prairie	480523.85	4450870.31
429	Boulder Creek	19	ALEXANDER DAWSON	1530	Grasslands Prairie	490852.52	4433962.51
430	St Vrain Creek	93	GOLDEN FARM	1497	Grasslands Prairie	493743.73	4444723.25
431	St Vrain Creek	79	WESTERN MOBILE	1578	Grasslands Prairie	481358.47	4450280.59
432	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2326	Lower Montane	462506.94	4426425.41
433	South Boulder Creek	57	WALKER RANCH	1969	Lower Montane	472946.97	4421196.08
434	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2363	Upper Montane Ecotone	461192.70	4425707.61
435	St Vrain Creek	80	WESTERN MOBILE	1576	Grasslands Prairie	481445.30	4450008.93
436	South Boulder Creek	55	WALKER RANCH	2008	Lower Montane	472023.73	4421195.17
437	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2392	Upper Montane Ecotone	460724.25	4425304.99
438	South Boulder Creek	54	WALKER RANCH	2024	Lower Montane	471720.67	4420943.98
439	Boulder Creek	27	DONIPHAN	1517	Grasslands Prairie	493379.39	4435755.10
440	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	484424.69	4447737.39
441	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	481152.72	4450537.70
442	St Vrain Creek	77	MONTGOMERY	1585	Grasslands Prairie	480739.72	4450786.83
443	South St Vrain Creek	65	HALL RANCH 2	1684	Grasslands Prairie	474395.85	4450228.46
444	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	492540.32	4435007.24
445	St Vrain Creek	85	GAGE	1556	Grasslands Prairie	483411.89	4448608.43

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
446	St Vrain Creek	91	GOLDEN-FREDSTROM	1540	Grasslands Prairie	485571.10	4447325.69
447	Boulder Creek	21	ALEXANDER DAWSON	1527	Grasslands Prairie	491436.84	4434379.69
448	St Vrain Creek	89	PELLA CROSSING	1547	Grasslands Prairie	484527.93	4447672.83
449	Left Hand Creek	39	BREWBAKER-SORENSSON	1634	Grasslands Prairie	478569.25	4440302.29
450	Left Hand Creek	39	BREWBAKER-SORENSSON	1630	Grasslands Prairie	478751.43	4440188.53
451	South Boulder Creek	54	WALKER RANCH	2013	Lower Montane	471819.29	4421141.47
452	South Boulder Creek	58	WALKER RANCH	1968	Lower Montane	472984.04	4421287.28
453	St Vrain Creek	95	KEYES	1494	Grasslands Prairie	494544.49	4444618.19
454	Left Hand Creek	33	STEEN	2260	Lower Montane	465404.45	4436165.54
455	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	480982.79	4450663.58
456	Boulder Creek	31	REYNOLDS RANCH	2438	Upper Montane Ecotone	459172.56	4424625.08
457	St Vrain Creek	79	WESTERN MOBILE	1582	Grasslands Prairie	481210.54	4450525.18
458	St Vrain Creek	81	BRALY	1572	Grasslands Prairie	481788.30	4449775.42
459	Boulder Creek	20	ALEXANDER DAWSON	1530	Grasslands Prairie	490895.74	4434062.81
460	Left Hand Creek	33	STEEN	2275	Lower Montane	465133.18	4436148.79
461	St Vrain Creek	89	PELLA CROSSING	1547	Grasslands Prairie	484591.71	4447635.90
462	South St Vrain Creek	67	HALL RANCH 2	1666	Grasslands Prairie	475038.52	4450727.58
463	Left Hand Creek	45	PECK	1524	Grasslands Prairie	488636.12	4442405.88
464	South Boulder Creek	56	WALKER RANCH	1994	Lower Montane	472201.56	4420849.87

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
465	South Boulder Creek	54	WALKER RANCH	2014	Lower Montane	471806.96	4421117.17
466	South Boulder Creek	55	WALKER RANCH	2010	Lower Montane	472050.97	4421161.50
467	South St Vrain Creek	67	HALL RANCH 2	1667	Grasslands Prairie	474931.55	4450670.29
468	South Boulder Creek	56	WALKER RANCH	1993	Lower Montane	472274.77	4420864.69
469	South Boulder Creek	57	WALKER RANCH	1983	Lower Montane	472565.85	4421152.51
470	Left Hand Creek	35	STEEN	2206	Lower Montane	466203.25	4436252.46
471	Left Hand Creek	34	STEEN	2235	Lower Montane	465812.43	4436108.40
472	St Vrain Creek	80	WESTERN MOBILE	1576	Grasslands Prairie	481427.16	4450033.40
473	St Vrain Creek	92	GOLDEN-FREDSTROM	1537	Grasslands Prairie	485935.85	4447168.24
474	South Boulder Creek	52	WALKER RANCH	2047	Lower Montane	470942.51	4421274.37
475	South St Vrain Creek	66	HALL RANCH 2	1671	Grasslands Prairie	474954.61	4450435.54
476	Left Hand Creek	38	BREWBAKER-SORENSSON	1636	Grasslands Prairie	478408.35	4440406.80
477	Left Hand Creek	41	IMEL	1559	Grasslands Prairie	483435.49	4440338.88
478	South St Vrain Creek	66	HALL RANCH 2	1675	Grasslands Prairie	474974.79	4450231.28
479	St Vrain Creek	90	GOLDEN-FREDSTROM	1544	Grasslands Prairie	484977.47	4447420.44
480	Left Hand Creek	38	BREWBAKER-SORENSSON	1634	Grasslands Prairie	478505.42	4440330.08
481	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	484022.09	4448208.89
482	South Boulder Creek	58	WALKER RANCH	1957	Lower Montane	473111.96	4421277.42
483	St Vrain Creek	93	GOLDEN FARM	1496	Grasslands Prairie	493886.74	4444688.93

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
484	Boulder Creek	15	ADOR	1893	Lower Montane	468641.10	4428155.14
485	Left Hand Creek	39	BREWBAKER-SORENSSON	1633	Grasslands Prairie	478608.76	4440283.79
486	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2377	Upper Montane Ecotone	461048.35	4425504.27
487	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	484182.54	4448022.12
488	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2286	Lower Montane	464353.25	4426939.12
489	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2372	Upper Montane Ecotone	461209.84	4425503.36
490	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2326	Lower Montane	462558.57	4426394.65
491	North Boulder Creek	49	LAWRENCE	2206	Lower Montane	464984.59	4428675.39
492	St Vrain Creek	90	GOLDEN-FREDSTROM	1543	Grasslands Prairie	485065.84	4447422.99
493	Boulder Creek	24	ALEXANDER DAWSON	1523	Grasslands Prairie	492399.41	4434873.97
494	St Vrain Creek	91	GOLDEN-FREDSTROM	1540	Grasslands Prairie	485555.90	4447331.87
495	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2303	Lower Montane	463501.63	4426669.67
496	St Vrain Creek	76	WALLACE	1595	Grasslands Prairie	479788.57	4451243.14
497	St Vrain Creek	92	GOLDEN-FREDSTROM	1538	Grasslands Prairie	485823.17	4447178.02
498	South Boulder Creek	59	BLM-SOUTH BOULDER CREEK	1940	Lower Montane	473062.87	4420674.40
499	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	484312.61	4447853.81
500	Boulder Creek	29	BAILEY-KENOSHA PONDS	1513	Grasslands Prairie	494451.79	4436273.13
501	St Vrain Creek	79	WESTERN MOBILE	1581	Grasslands Prairie	481310.74	4450463.68
502	South Boulder Creek	57	WALKER RANCH	1976	Lower Montane	472828.05	4421181.51

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
503	South St Vrain Creek	64	HALL RANCH 2	1694	Grasslands Prairie	474056.98	4450111.54
504	Boulder Creek	22	ALEXANDER DAWSON	1527	Grasslands Prairie	491760.22	4434451.00
505	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2375	Upper Montane Ecotone	461106.16	4425488.71
506	St Vrain Creek	93	GOLDEN FARM	1497	Grasslands Prairie	493844.15	4444701.35
507	South Boulder Creek	54	WALKER RANCH	2013	Lower Montane	471788.27	4421044.15
508	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	493248.45	4435768.03
509	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	492589.38	4435061.81
510	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2338	Lower Montane	462121.01	4426068.03
511	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2271	Lower Montane	464348.67	4427207.28
512	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2309	Lower Montane	463299.46	4426478.85
513	Middle St Vrain Creek	48	ADAMS-COWGER	2180	Lower Montane	465034.64	4446807.71
514	Boulder Creek	20	ALEXANDER DAWSON	1529	Grasslands Prairie	491088.45	4434195.79
515	Middle St Vrain Creek	46	RANDOLPH PRATT	2444	Upper Montane Ecotone	459527.44	4443867.92
516	St Vrain Creek	90	GOLDEN-FREDSTROM	1543	Grasslands Prairie	485172.55	4447434.58
517	Boulder Creek	26	DONIPHAN	1519	Grasslands Prairie	493086.59	4435701.91
518	St Vrain Creek	81	BRALY	1571	Grasslands Prairie	481928.32	4449750.26
519	St Vrain Creek	80	WESTERN MOBILE	1576	Grasslands Prairie	481421.13	4450045.62
520	Boulder Creek	20	ALEXANDER DAWSON	1530	Grasslands Prairie	490914.52	4434151.07
521	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	492175.74	4434652.80

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
522	South Boulder Creek	52	WALKER RANCH	2049	Lower Montane	470859.70	4421177.34
523	South St Vrain Creek	61	BROOKS	2112	Lower Montane	466577.59	4446476.03
524	Boulder Creek	31	REYNOLDS RANCH	2441	Upper Montane Ecotone	459126.39	4424543.07
525	Boulder Creek	16	ADOR	1889	Lower Montane	468778.28	4428166.55
526	St Vrain Creek	94	KEYES	1495	Grasslands Prairie	494307.18	4444680.46
527	Left Hand Creek	39	BREWBAKER-SORENSSON	1631	Grasslands Prairie	478733.03	4440167.30
528	Boulder Creek	31	ROGERS	2432	Upper Montane Ecotone	459480.79	4424711.71
529	South Boulder Creek	51	BLM-SOUTH BOULDER CREEK	2059	Lower Montane	470797.47	4420949.16
530	South St Vrain Creek	67	HALL RANCH 2	1665	Grasslands Prairie	475056.92	4450748.80
531	Boulder Creek	32	ROGERS	2428	Upper Montane Ecotone	459584.11	4424662.38
532	South Boulder Creek	58	WALKER RANCH	1954	Lower Montane	473139.07	4421222.42
533	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	492610.83	4435083.01
534	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2376	Upper Montane Ecotone	461118.31	4425482.55
535	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	484324.75	4447844.60
536	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	493263.70	4435770.99
537	South St Vrain Creek	67	HALL RANCH 2	1668	Grasslands Prairie	474903.92	4450633.88
538	Left Hand Creek	38	BREWBAKER-SORENSSON	1641	Grasslands Prairie	478198.36	4440450.64
539	St Vrain Creek	78	WESTERN MOBILE	1583	Grasslands Prairie	481091.97	4450571.56
540	South Boulder Creek	51	WALKER RANCH	2069	Lower Montane	470495.99	4420978.28

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
541	St Vrain Creek	80	WESTERN MOBILE	1574	Grasslands Prairie	481575.45	4449852.80
542	Left Hand Creek	44	RUSSELL-ANDERSON-SCHMIDT	1525	Grasslands Prairie	488168.08	4442076.40
543	Left Hand Creek	45	PECK	1524	Grasslands Prairie	488645.32	4442414.97
544	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2274	Lower Montane	464397.21	4427170.44
545	St Vrain Creek	92	GOLDEN-FREDSTROM	1538	Grasslands Prairie	485759.54	4447242.36
546	Left Hand Creek	33	STEEN	2264	Lower Montane	465358.75	4436165.80
547	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2361	Upper Montane Ecotone	461220.41	4425759.25
548	South Boulder Creek	53	WALKER RANCH	2026	Lower Montane	471355.94	4421104.47
549	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2394	Upper Montane Ecotone	460629.56	4425262.86
550	St Vrain Creek	76	WALLACE	1595	Grasslands Prairie	479761.22	4451255.48
551	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	492632.27	4435104.22
552	St Vrain Creek	96	KEYES	1493	Grasslands Prairie	495068.93	4444682.26
553	St Vrain Creek	91	GOLDEN-FREDSTROM	1541	Grasslands Prairie	485382.40	4447363.32
554	St Vrain Creek	92	GOLDEN-FREDSTROM	1538	Grasslands Prairie	485814.05	4447181.11
555	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	494465.39	4444639.96
556	South Boulder Creek	58	WALKER RANCH	1966	Lower Montane	473002.44	4421308.50
557	Boulder Creek	13	PLATT-ROGERS MEMORIAL PARK	2251	Lower Montane	464317.17	4427567.00
558	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	484309.48	4447838.59
559	Boulder Creek	22	ALEXANDER DAWSON	1525	Grasslands Prairie	491943.42	4434520.05

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
560	South Boulder Creek	53	WALKER RANCH	2042	Lower Montane	471330.59	4421473.29
561	Boulder Creek	32	ROGERS	2425	Upper Montane Ecotone	459681.51	4424643.55
562	Boulder Creek	25	ALEXANDER DAWSON	1520	Grasslands Prairie	492770.38	4435280.17
563	St Vrain Creek	80	WESTERN MOBILE	1577	Grasslands Prairie	481421.55	4450118.75
564	Boulder Creek	32	ROGERS	2426	Upper Montane Ecotone	459745.84	4424704.13
565	Left Hand Creek	35	STEEN	2229	Lower Montane	465965.01	4436150.20
566	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	480824.59	4450707.13
567	South St Vrain Creek	65	HALL RANCH 2	1690	Grasslands Prairie	474603.21	4450257.75
568	South Boulder Creek	55	WALKER RANCH	2014	Lower Montane	471862.18	4421183.89
569	St Vrain Creek	86	GAGE	1554	Grasslands Prairie	483630.86	4448534.07
570	South St Vrain Creek	66	HALL RANCH 2	1671	Grasslands Prairie	474978.88	4450417.12
571	Left Hand Creek	38	BREWBAKER-SORENSSON	1636	Grasslands Prairie	478435.79	4440409.69
572	South Boulder Creek	50	BLM-SOUTH BOULDER CREEK	1899	Lower Montane	473818.49	4420127.80
573	South St Vrain Creek	66	HALL RANCH 2	1685	Grasslands Prairie	474697.39	4450208.47
574	Left Hand Creek	38	BREWBAKER-SORENSSON	1640	Grasslands Prairie	478210.51	4440444.48
575	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2271	Lower Montane	464372.94	4427188.86
576	Boulder Creek	21	ALEXANDER DAWSON	1527	Grasslands Prairie	491525.13	4434367.01
577	Left Hand Creek	41	IMEL	1559	Grasslands Prairie	483401.70	4440290.32
578	Left Hand Creek	34	STEEN	2254	Lower Montane	465507.98	4436152.77

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
579	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	493272.69	4435743.52
580	Boulder Creek	25	ALEXANDER DAWSON	1520	Grasslands Prairie	492822.77	4435386.51
581	South Boulder Creek	57	WALKER RANCH	1976	Lower Montane	472705.96	4421142.59
582	St Vrain Creek	94	KEYES	1495	Grasslands Prairie	494313.34	4444692.62
583	St Vrain Creek	79	WESTERN MOBILE	1577	Grasslands Prairie	481406.81	4450207.19
584	St Vrain Creek	96	KEYES	1493	Grasslands Prairie	495084.15	4444679.13
585	Left Hand Creek	41	IMEL	1558	Grasslands Prairie	483453.91	4440363.15
586	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	492509.66	4434973.89
587	Left Hand Creek	34	STEEN	2259	Lower Montane	465492.76	4436155.90
588	St Vrain Creek	79	WESTERN MOBILE	1580	Grasslands Prairie	481325.74	4450420.94
589	South St Vrain Creek	64	HALL RANCH 2	1697	Grasslands Prairie	473905.82	4450322.63
590	Boulder Creek	4	PLATT-ROGERS MEMORIAL PARK	2352	Lower Montane	461541.30	4425928.08
591	Boulder Creek	32	ROGERS	2424	Upper Montane Ecotone	459699.93	4424667.83
592	Left Hand Creek	41	IMEL	1555	Grasslands Prairie	483628.03	4440441.39
593	South St Vrain Creek	72	HALL RANCH	1636	Grasslands Prairie	476610.83	4451827.80
594	South Boulder Creek	55	WALKER RANCH	2005	Lower Montane	472104.18	4420871.74
595	Boulder Creek	22	ALEXANDER DAWSON	1526	Grasslands Prairie	491848.73	4434477.92
596	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2290	Lower Montane	464203.58	4426872.93
597	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2320	Lower Montane	462775.17	4426442.18

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
598	St Vrain Creek	90	GOLDEN-FREDSTROM	1545	Grasslands Prairie	484904.43	4447436.09
599	South Boulder Creek	53	WALKER RANCH	2045	Lower Montane	471071.23	4421407.71
600	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	484091.56	4448098.81
601	South St Vrain Creek	66	HALL RANCH 2	1678	Grasslands Prairie	474874.09	4450204.43
602	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	494453.34	4444664.40
603	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2334	Lower Montane	462277.31	4426228.65
604	Left Hand Creek	42	IMEL	1552	Grasslands Prairie	483952.21	4440655.90
605	Left Hand Creek	42	IMEL	1553	Grasslands Prairie	483790.23	4440568.45
606	South St Vrain Creek	66	HALL RANCH 2	1679	Grasslands Prairie	474813.15	4450204.77
607	Boulder Creek	5	PLATT-ROGERS MEMORIAL PARK	2342	Lower Montane	461983.18	4425940.83
608	South Boulder Creek	53	WALKER RANCH	2028	Lower Montane	471328.72	4421141.18
609	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	492139.02	4434625.59
610	South St Vrain Creek	64	HALL RANCH 2	1694	Grasslands Prairie	473984.17	4450166.79
611	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	494514.04	4444621.41
612	Left Hand Creek	44	RUSSELL-ANDERSON-SCHMIDT	1525	Grasslands Prairie	488195.57	4442088.43
613	Left Hand Creek	34	STEEN	2252	Lower Montane	465535.35	4436143.48
614	Boulder Creek	18	BOULDER CANYON TRAIL-OLMSTED	1738	Lower Montane Ecotone	472664.49	4429488.40
615	South Boulder Creek	52	WALKER RANCH	2048	Lower Montane	470869.08	4421219.94
616	South Boulder Creek	51	WALKER RANCH	2068	Lower Montane	470609.27	4421075.15

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
617	South Boulder Creek	53	WALKER RANCH	2028	Lower Montane	471343.80	4421113.68
618	Left Hand Creek	45	PECK	1523	Grasslands Prairie	488740.95	4442624.67
619	South St Vrain Creek	72	HALL RANCH	1645	Grasslands Prairie	476543.35	4451748.96
620	Left Hand Creek	34	STEEN	2248	Lower Montane	465715.13	4436145.51
621	South St Vrain Creek	66	HALL RANCH 2	1673	Grasslands Prairie	475063.64	4450319.14
622	South Boulder Creek	53	WALKER RANCH	2030	Lower Montane	471344.18	4421180.71
623	South St Vrain Creek	66	HALL RANCH 2	1681	Grasslands Prairie	474670.03	4450220.81
624	St Vrain Creek	85	GAGE	1557	Grasslands Prairie	483287.04	4448621.33
625	St Vrain Creek	77	MONTGOMERY	1587	Grasslands Prairie	480581.66	4450854.75
626	South Boulder Creek	51	WALKER RANCH	2064	Lower Montane	470636.50	4421041.48
627	Boulder Creek	32	ROGERS	2432	Upper Montane Ecotone	459508.18	4424705.47
628	South St Vrain Creek	64	HALL RANCH 2	1694	Grasslands Prairie	473978.14	4450179.01
629	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2319	Lower Montane	462787.51	4426469.54
630	Boulder Creek	27	DONIPHAN	1517	Grasslands Prairie	493422.08	4435760.96
631	St Vrain Creek	80	WESTERN MOBILE	1576	Grasslands Prairie	481436.23	4450021.16
632	St Vrain Creek	81	BRALY	1572	Grasslands Prairie	481757.85	4449778.64
633	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2283	Lower Montane	464426.98	4427045.35
634	South Boulder Creek	56	WALKER RANCH	1993	Lower Montane	472290.04	4420870.70
635	Boulder Creek	27	DONIPHAN	1516	Grasslands Prairie	493516.91	4435827.45

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
636	South St Vrain Creek	72	HALL RANCH	1636	Grasslands Prairie	476620.04	4451839.93
637	Boulder Creek	20	ALEXANDER DAWSON	1529	Grasslands Prairie	491214.16	4434335.24
638	Boulder Creek	16	ADOR	1891	Lower Montane	468814.69	4428138.93
639	Left Hand Creek	33	STEEN	2266	Lower Montane	465270.34	4436157.16
640	Left Hand Creek	43	BIELINS-HOCK	1528	Grasslands Prairie	487825.41	4441825.43
641	South Boulder Creek	53	WALKER RANCH	2043	Lower Montane	471037.56	4421380.48
642	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2385	Upper Montane Ecotone	460923.00	4425428.80
643	St Vrain Creek	93	GOLDEN FARM	1497	Grasslands Prairie	493832.00	4444707.52
644	South Boulder Creek	51	WALKER RANCH	2069	Lower Montane	470502.17	4420993.48
645	South Boulder Creek	55	WALKER RANCH	1996	Lower Montane	472143.67	4420850.19
646	South Boulder Creek	51	BLM-SOUTH BOULDER CREEK	2059	Lower Montane	470809.71	4420958.24
647	St Vrain Creek	82	RAMEY	1566	Grasslands Prairie	482356.21	4449440.11
648	South St Vrain Creek	67	HALL RANCH 2	1669	Grasslands Prairie	474909.23	4450493.69
649	St Vrain Creek	89	PELLA CROSSING	1546	Grasslands Prairie	484731.23	4447522.38
650	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2294	Lower Montane	464090.43	4426800.43
651	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	494121.21	4444663.23
652	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2294	Lower Montane	464133.19	4426818.48
653	South Boulder Creek	57	WALKER RANCH	1987	Lower Montane	472736.90	4421227.73
654	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2379	Upper Montane Ecotone	461005.63	4425492.32

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
655	St Vrain Creek	89	PELLA CROSSING	1547	Grasslands Prairie	484567.42	4447651.27
656	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2331	Lower Montane	462393.76	4426346.82
657	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2297	Lower Montane	464078.23	4426797.46
658	South Boulder Creek	53	WALKER RANCH	2036	Lower Montane	471394.39	4421439.42
659	South Boulder Creek	57	WALKER RANCH	1974	Lower Montane	472764.24	4421212.34
660	Boulder Creek	25	DONIPHAN	1519	Grasslands Prairie	492930.22	4435529.11
661	Left Hand Creek	33	STEEN	2265	Lower Montane	465313.03	4436163.01
662	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2338	Lower Montane	462311.01	4426261.97
663	South Boulder Creek	55	WALKER RANCH	2014	Lower Montane	471914.15	4421214.07
664	Left Hand Creek	39	BREWBAKER-SORENSSON	1633	Grasslands Prairie	478675.21	4440179.82
665	Left Hand Creek	45	PECK	1523	Grasslands Prairie	488697.99	4442570.07
666	Left Hand Creek	34	STEEN	2235	Lower Montane	465797.23	4436114.58
667	South St Vrain Creek	63	CUSTODE	1713	Lower Montane Ecotone	473156.61	4450381.70
668	Boulder Creek	14	BOULDER FALLS	2162	Lower Montane	464825.73	4428057.75
669	Left Hand Creek	34	STEEN	2252	Lower Montane	465550.57	4436140.34
670	South St Vrain Creek	72	HALL RANCH	1645	Grasslands Prairie	476534.14	4451736.82
671	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2384	Upper Montane Ecotone	460886.10	4425368.07
672	South Boulder Creek	53	WALKER RANCH	2038	Lower Montane	471406.42	4421411.93
673	St Vrain Creek	79	WESTERN MOBILE	1582	Grasslands Prairie	481183.15	4450531.43

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
674	South St Vrain Creek	66	HALL RANCH 2	1672	Grasslands Prairie	475054.66	4450346.62
675	St Vrain Creek	80	WESTERN MOBILE	1575	Grasslands Prairie	481512.18	4449981.13
676	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	493163.15	4435771.56
677	South St Vrain Creek	67	HALL RANCH 2	1666	Grasslands Prairie	475026.28	4450718.51
678	Boulder Creek	10	PLATT-ROGERS MEMORIAL PARK	2297	Lower Montane	463947.01	4426761.63
679	South St Vrain Creek	61	BROOKS	2112	Lower Montane	466598.82	4446457.63
680	St Vrain Creek	78	WESTERN MOBILE	1583	Grasslands Prairie	481067.80	4450608.26
681	Boulder Creek	28	BAILEY-KENOSHA PONDS	1515	Grasslands Prairie	493959.79	4436016.92
682	St Vrain Creek	86	GAGE	1554	Grasslands Prairie	483703.93	4448524.52
683	Boulder Creek	24	ALEXANDER DAWSON	1523	Grasslands Prairie	492497.42	4434964.82
684	St Vrain Creek	93	GOLDEN FARM	1497	Grasslands Prairie	493816.78	4444710.65
685	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	494465.48	4444655.20
686	St Vrain Creek	96	KEYES	1492	Grasslands Prairie	495272.92	4444653.69
687	St Vrain Creek	81	BRALY	1571	Grasslands Prairie	481983.03	4449725.58
688	Left Hand Creek	35	STEEN	2207	Lower Montane	466175.78	4436243.47
689	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	493202.68	4435756.10
690	South Boulder Creek	53	WALKER RANCH	2042	Lower Montane	471156.71	4421437.70
691	Left Hand Creek	38	BREWBAKER-SORENSSON	1641	Grasslands Prairie	478149.78	4440481.38
692	Boulder Creek	22	ALEXANDER DAWSON	1526	Grasslands Prairie	491702.26	4434439.14

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
693	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2378	Upper Montane Ecotone	461017.85	4425498.35
694	Boulder Creek	19	ALEXANDER DAWSON	1531	Grasslands Prairie	490733.42	4433914.43
695	South Boulder Creek	53	WALKER RANCH	2036	Lower Montane	471432.97	4421256.38
696	St Vrain Creek	79	WESTERN MOBILE	1580	Grasslands Prairie	481343.80	4450381.23
697	St Vrain Creek	96	KEYES	1493	Grasslands Prairie	495126.76	4444669.75
698	Left Hand Creek	43	BIELINS-HOCK	1526	Grasslands Prairie	488011.77	4441912.75
699	Boulder Creek	17	BETASSO PRESERVE	1810	Lower Montane Ecotone	471189.61	4428375.42
700	Boulder Creek	17	BETASSO PRESERVE	1810	Lower Montane Ecotone	471135.14	4428442.76
701	Boulder Creek	1	PLATT-ROGERS MEMORIAL PARK	2400	Upper Montane Ecotone	460559.34	4425238.88
702	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	493150.91	4435762.48
703	St Vrain Creek	81	BRALY	1572	Grasslands Prairie	481803.54	4449775.34
704	South St Vrain Creek	72	HALL RANCH	1641	Grasslands Prairie	476570.96	4451782.32
705	Boulder Creek	8	PLATT-ROGERS MEMORIAL PARK	2314	Lower Montane	462995.02	4426526.27
706	South St Vrain Creek	64	HALL RANCH 2	1695	Grasslands Prairie	474002.31	4450142.31
707	Left Hand Creek	33	STEEN	2262	Lower Montane	465389.22	4436165.63
708	South St Vrain Creek	64	HALL RANCH 2	1698	Grasslands Prairie	473908.70	4450292.14
709	South Boulder Creek	53	WALKER RANCH	2046	Lower Montane	471126.19	4421428.73
710	St Vrain Creek	90	GOLDEN-FREDSTROM	1541	Grasslands Prairie	485327.71	4447391.05
711	Left Hand Creek	34	STEEN	2241	Lower Montane	465757.72	4436133.08

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
712	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2256	Lower Montane	464222.12	4427460.89
713	South St Vrain Creek	63	CUSTODE	1713	Lower Montane Ecotone	473187.06	4450378.49
714	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2283	Lower Montane	464405.34	4426990.62
715	Left Hand Creek	34	STEEN	2254	Lower Montane	465520.13	4436146.61
716	South Boulder Creek	53	WALKER RANCH	2032	Lower Montane	471445.00	4421228.89
717	South St Vrain Creek	69	HALL RANCH	1652	Grasslands Prairie	475765.72	4451089.11
718	South St Vrain Creek	65	HALL RANCH 2	1683	Grasslands Prairie	474554.32	4450233.66
719	Boulder Creek	8	PLATT-ROGERS MEMORIAL PARK	2314	Lower Montane	462964.61	4426535.58
720	Boulder Creek	27	DONIPHAN	1516	Grasslands Prairie	493477.20	4435809.40
721	St Vrain Creek	90	GOLDEN-FREDSTROM	1542	Grasslands Prairie	485257.78	4447418.86
722	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2318	Lower Montane	462824.33	4426515.04
723	Boulder Creek	22	ALEXANDER DAWSON	1526	Grasslands Prairie	491775.47	4434453.96
724	Boulder Creek	28	BAILEY-KENOSHA PONDS	1515	Grasslands Prairie	493944.52	4436010.91
725	South St Vrain Creek	63	CUSTODE	1713	Grasslands Prairie	473144.44	4450384.82
726	South Boulder Creek	56	WALKER RANCH	1988	Lower Montane	472351.22	4420913.01
727	Boulder Creek	32	ROGERS	2429	Upper Montane Ecotone	459571.98	4424671.59
728	St Vrain Creek	80	BRALY	1574	Grasslands Prairie	481633.41	4449864.66
729	St Vrain Creek	79	WESTERN MOBILE	1577	Grasslands Prairie	481421.80	4450164.45
730	Left Hand Creek	38	BREWBAKER-SORENSSON	1638	Grasslands Prairie	478326.15	4440419.45

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
731	St Vrain Creek	79	WESTERN MOBILE	1579	Grasslands Prairie	481346.52	4450323.32
732	St Vrain Creek	81	BRALY	1572	Grasslands Prairie	481830.98	4449778.23
733	Boulder Creek	17	BETASSO PRESERVE	1809	Lower Montane Ecotone	471171.55	4428415.13
734	St Vrain Creek	83	SADAR	1563	Grasslands Prairie	482735.26	4449114.99
735	St Vrain Creek	96	KEYES	1493	Grasslands Prairie	495184.66	4444672.47
736	Left Hand Creek	39	BREWBAKER-SORENSSON	1633	Grasslands Prairie	478632.64	4440195.29
737	South St Vrain Creek	67	HALL RANCH 2	1670	Grasslands Prairie	474933.38	4450453.94
738	Left Hand Creek	38	BREWBAKER-SORENSSON	1638	Grasslands Prairie	478310.95	4440425.63
739	South Boulder Creek	54	WALKER RANCH	2016	Lower Montane	471782.09	4421028.95
740	North St Vrain Creek	74	HALL RANCH	1633	Grasslands Prairie	476678.78	4452534.31
741	Boulder Creek	25	ALEXANDER DAWSON	1520	Grasslands Prairie	492791.93	4435319.65
742	St Vrain Creek	92	GOLDEN-FREDSTROM	1536	Grasslands Prairie	486011.84	4447134.30
743	St Vrain Creek	88	PELLA CROSSING	1547	Grasslands Prairie	484476.30	4447703.59
744	Boulder Creek	13	PLATT-ROGERS MEMORIAL PARK	2241	Lower Montane	464435.76	4427523.67
745	South Boulder Creek	56	BLM-SOUTH BOULDER CREEK	1987	Lower Montane	472381.88	4420946.36
746	Left Hand Creek	44	RUSSELL-ANDERSON-SCHMIDT	1525	Grasslands Prairie	488305.69	4442163.99
747	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2293	Lower Montane	464240.30	4426900.14
748	St Vrain Creek	75	BULLOCK	1600	Grasslands Prairie	479264.35	4451218.67
749	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	480909.72	4450673.13

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
750	Boulder Creek	20	ALEXANDER DAWSON	1530	Grasslands Prairie	491115.91	4434201.73
751	Left Hand Creek	43	BIELINS-HOCK	1527	Grasslands Prairie	487959.76	4441876.48
752	St Vrain Creek	75	BULLOCK	1600	Grasslands Prairie	479221.64	4451209.77
753	South St Vrain Creek	67	HALL RANCH 2	1667	Grasslands Prairie	474922.36	4450661.20
754	Boulder Creek	17	BETASSO PRESERVE	1810	Lower Montane Ecotone	471147.29	4428436.60
755	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2304	Lower Montane	463467.76	4426605.88
756	Boulder Creek	19	ALEXANDER DAWSON	1531	Grasslands Prairie	490672.12	4433850.79
757	Boulder Creek	22	ALEXANDER DAWSON	1525	Grasslands Prairie	491967.88	4434535.14
758	South St Vrain Creek	62	BROOKS	2113	Lower Montane	466616.96	4446433.15
759	St Vrain Creek	96	KEYES	1492	Grasslands Prairie	495215.12	4444669.25
760	South Boulder Creek	53	WALKER RANCH	2029	Lower Montane	471334.97	4421168.57
761	St Vrain Creek	75	BULLOCK	1600	Grasslands Prairie	479206.39	4451206.81
762	Left Hand Creek	38	BREWBAKER-SORENSSON	1636	Grasslands Prairie	478393.08	4440400.79
763	Boulder Creek	20	ALEXANDER DAWSON	1529	Grasslands Prairie	491116.61	4434326.65
764	Middle St Vrain Creek	48	ADAMS-COWGER	2185	Lower Montane	464949.47	4446832.56
765	South Boulder Creek	55	WALKER RANCH	1999	Lower Montane	472043.71	4420954.35
766	St Vrain Creek	78	WESTERN MOBILE	1583	Grasslands Prairie	481122.28	4450543.96
767	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2384	Upper Montane Ecotone	460889.21	4425380.24
768	St Vrain Creek	79	WESTERN MOBILE	1582	Grasslands Prairie	481265.25	4450500.50

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
769	Left Hand Creek	39	BREWBAKER-SORENSSON	1631	Grasslands Prairie	478745.27	4440176.38
770	Left Hand Creek	41	IMEL	1558	Grasslands Prairie	483426.28	4440326.74
771	South Boulder Creek	52	WALKER RANCH	2047	Lower Montane	470982.24	4421295.48
772	South Boulder Creek	56	BLM-SOUTH BOULDER CREEK	1988	Lower Montane	472422.12	4421058.87
773	Left Hand Creek	45	PECK	1523	Grasslands Prairie	488725.72	4442624.76
774	Boulder Creek	21	ALEXANDER DAWSON	1528	Grasslands Prairie	491345.19	4434337.55
775	South St Vrain Creek	72	HALL RANCH	1641	Grasslands Prairie	476580.17	4451794.45
776	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	492249.27	4434725.51
777	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	484191.61	4448009.89
778	Boulder Creek	32	ROGERS	2428	Upper Montane Ecotone	459596.25	4424653.17
779	South St Vrain Creek	64	HALL RANCH 2	1694	Grasslands Prairie	473972.13	4450194.28
780	South St Vrain Creek	63	CUSTODE	1709	Grasslands Prairie	473260.27	4450393.31
781	Left Hand Creek	39	BREWBAKER-SORENSSON	1633	Grasslands Prairie	478639.04	4440250.10
782	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2309	Lower Montane	463357.40	4426487.67
783	Boulder Creek	31	REYNOLDS RANCH	2438	Upper Montane Ecotone	459150.87	4424561.22
784	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2285	Lower Montane	464337.97	4426930.06
785	Boulder Creek	25	DONIPHAN	1519	Grasslands Prairie	492899.44	4435474.44
786	Middle St Vrain Creek	48	ADAMS-COWGER	2184	Lower Montane	464973.77	4446820.24
787	Boulder Creek	16	ADOR	1889	Lower Montane	468753.99	4428181.92

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
788	South Boulder Creek	51	WALKER RANCH	2073	Lower Montane	470496.49	4421066.64
789	Boulder Creek	27	DONIPHAN	1516	Grasslands Prairie	493489.44	4435818.47
790	Left Hand Creek	33	STEEN	2268	Lower Montane	465178.90	4436151.58
791	St Vrain Creek	77	MONTGOMERY	1585	Grasslands Prairie	480748.81	4450777.64
792	South Boulder Creek	51	WALKER RANCH	2068	Lower Montane	470499.28	4421020.92
793	Left Hand Creek	45	PECK	1523	Grasslands Prairie	488685.39	4442497.01
794	St Vrain Creek	95	KEYES	1494	Grasslands Prairie	494736.79	4444678.04
795	St Vrain Creek	93	GOLDEN FARM	1496	Grasslands Prairie	493901.99	4444691.89
796	South Boulder Creek	54	WALKER RANCH	2013	Lower Montane	471828.50	4421153.61
797	Boulder Creek	28	BAILEY	1516	Grasslands Prairie	493816.43	4435990.30
798	Left Hand Creek	41	IMEL	1555	Grasslands Prairie	483600.43	4440411.07
799	St Vrain Creek	86	GAGE	1553	Grasslands Prairie	483743.42	4448502.97
800	Boulder Creek	27	DONIPHAN	1517	Grasslands Prairie	493409.86	4435754.93
801	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	493059.10	4435689.88
802	Boulder Creek	5	PLATT-ROGERS MEMORIAL PARK	2344	Lower Montane	461830.50	4425880.75
803	South Boulder Creek	56	WALKER RANCH	1987	Lower Montane	472443.60	4421086.17
804	South Boulder Creek	53	WALKER RANCH	2036	Lower Montane	471438.99	4421244.16
805	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	484300.46	4447859.97
806	South St Vrain Creek	70	HALL RANCH	1648	Grasslands Prairie	476129.00	4451211.98

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
807	South Boulder Creek	51	BLM-SOUTH BOULDER CREEK	2058	Lower Montane	470776.04	4420931.00
808	St Vrain Creek	80	WESTERN MOBILE	1575	Grasslands Prairie	481539.40	4449944.41
809	Boulder Creek	30	REYNOLDS RANCH	2447	Upper Montane	459094.71	4424326.91
810	South Boulder Creek	55	WALKER RANCH	2011	Lower Montane	471849.94	4421174.82
811	St Vrain Creek	86	GAGE	1555	Grasslands Prairie	483588.24	4448540.41
812	South Boulder Creek	52	WALKER RANCH	2047	Lower Montane	470859.78	4421192.57
813	South Boulder Creek	53	WALKER RANCH	2042	Lower Montane	471141.44	4421431.70
814	St Vrain Creek	90	GOLDEN-FREDSTROM	1543	Grasslands Prairie	485187.81	4447437.54
815	Boulder Creek	20	ALEXANDER DAWSON	1530	Grasslands Prairie	491122.15	4434229.12
816	Boulder Creek	14	BOULDER FALLS	2160	Lower Montane	464856.20	4428057.58
817	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	493275.89	4435770.92
818	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	493120.27	4435732.19
819	South Boulder Creek	57	WALKER RANCH	1970	Lower Montane	472916.48	4421193.20
820	St Vrain Creek	76	WALLACE	1595	Grasslands Prairie	479846.34	4451221.48
821	Left Hand Creek	33	STEEN	2262	Lower Montane	465373.98	4436165.71
822	St Vrain Creek	79	WESTERN MOBILE	1581	Grasslands Prairie	481289.52	4450482.08
823	St Vrain Creek	88	PELLA CROSSING	1549	Grasslands Prairie	484221.51	4447909.17
824	South St Vrain Creek	65	HALL RANCH 2	1684	Grasslands Prairie	474380.60	4450225.49
825	South Boulder Creek	53	WALKER RANCH	2037	Lower Montane	471402.88	4421323.58

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
826	South St Vrain Creek	67	HALL RANCH 2	1666	Grasslands Prairie	475011.01	4450712.50
827	Boulder Creek	30	REYNOLDS RANCH	2443	Upper Montane	459082.76	4424369.64
828	South St Vrain Creek	65	HALL RANCH 2	1690	Grasslands Prairie	474591.02	4450257.82
829	Left Hand Creek	44	RUSSELL-ANDERSON-SCHMIDT	1524	Grasslands Prairie	488348.55	4442200.31
830	St Vrain Creek	81	BRALY	1572	Grasslands Prairie	481861.46	4449781.11
831	St Vrain Creek	75	BULLOCK	1599	Grasslands Prairie	479380.30	4451248.48
832	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	480867.16	4450691.65
833	South St Vrain Creek	62	BROOKS	2108	Lower Montane	466717.20	4446377.74
834	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	484285.24	4447863.10
835	South Boulder Creek	55	WALKER RANCH	1999	Lower Montane	472046.84	4420969.57
836	South Boulder Creek	50	BLM-SOUTH BOULDER CREEK	1902	Lower Montane	473764.00	4420192.09
837	Boulder Creek	14	BOULDER FALLS	2157	Lower Montane	464898.94	4428072.57
838	St Vrain Creek	77	MONTGOMERY	1588	Grasslands Prairie	480727.59	4450796.04
839	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2359	Upper Montane Ecotone	461235.80	4425786.59
840	Boulder Creek	13	PLATT-ROGERS MEMORIAL PARK	2263	Lower Montane	464255.99	4427524.68
841	St Vrain Creek	79	WESTERN MOBILE	1579	Grasslands Prairie	481343.39	4450308.10
842	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2384	Upper Montane Ecotone	460895.39	4425395.44
843	St Vrain Creek	88	PELLA CROSSING	1547	Grasslands Prairie	484503.64	4447688.20
844	St Vrain Creek	82	RAMEY	1566	Grasslands Prairie	482341.11	4449464.57

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
845	South St Vrain Creek	62	BROOKS	2111	Lower Montane	466635.10	4446408.67
846	St Vrain Creek	91	GOLDEN-FREDSTROM	1539	Grasslands Prairie	485683.41	4447248.88
847	Boulder Creek	28	BAILEY	1515	Grasslands Prairie	494079.12	4436104.60
848	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	493141.72	4435753.40
849	South Boulder Creek	53	WALKER RANCH	2040	Lower Montane	471284.89	4421473.55
850	St Vrain Creek	92	GOLDEN-FREDSTROM	1538	Grasslands Prairie	485799.05	4447223.86
851	South St Vrain Creek	66	HALL RANCH 2	1674	Grasslands Prairie	475026.72	4450255.36
852	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2268	Lower Montane	464336.53	4427216.49
853	South St Vrain Creek	72	HALL RANCH	1641	Grasslands Prairie	476589.38	4451806.59
854	South St Vrain Creek	71	HALL RANCH	1646	Grasslands Prairie	476294.07	4451308.56
855	St Vrain Creek	80	WESTERN MOBILE	1576	Grasslands Prairie	481460.50	4450002.75
856	Boulder Creek	27	DONIPHAN	1517	Grasslands Prairie	493364.18	4435758.24
857	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	484046.37	4448190.47
858	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2367	Upper Montane Ecotone	461208.07	4425731.90
859	Boulder Creek	32	GREAT NORTHERN	2426	Upper Montane Ecotone	459654.06	4424637.61
860	Boulder Creek	19	ALEXANDER DAWSON	1531	Grasslands Prairie	490822.05	4433962.68
861	St Vrain Creek	90	GOLDEN-FREDSTROM	1543	Grasslands Prairie	485199.98	4447434.42
862	South St Vrain Creek	65	HALL RANCH 2	1684	Grasslands Prairie	474618.41	4450251.58
863	South Boulder Creek	53	WALKER RANCH	2047	Lower Montane	471385.31	4421451.65

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
864	South St Vrain Creek	65	HALL RANCH 2	1683	Grasslands Prairie	474420.12	4450210.04
865	South St Vrain Creek	72	HALL RANCH	1645	Grasslands Prairie	476561.77	4451773.23
866	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	494504.95	4444630.60
867	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	492580.19	4435052.72
868	Boulder Creek	22	ALEXANDER DAWSON	1526	Grasslands Prairie	491690.03	4434433.11
869	Left Hand Creek	38	BREWBAKER-SORENSSON	1641	Grasslands Prairie	478186.22	4440459.85
870	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2309	Lower Montane	463345.18	4426481.64
871	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2294	Lower Montane	464117.92	4426812.47
872	St Vrain Creek	80	WESTERN MOBILE	1576	Grasslands Prairie	481415.11	4450057.85
873	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	492126.78	4434616.51
874	South Boulder Creek	50	BLM-SOUTH BOULDER CREEK	1902	Lower Montane	473806.33	4420133.96
875	South Boulder Creek	57	WALKER RANCH	1973	Lower Montane	472715.34	4421185.19
876	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	492457.57	4434922.39
877	Boulder Creek	21	ALEXANDER DAWSON	1528	Grasslands Prairie	491369.67	4434355.70
878	Boulder Creek	28	BAILEY-KENOSHA PONDS	1515	Grasslands Prairie	493975.06	4436022.92
879	South Boulder Creek	54	WALKER RANCH	2026	Lower Montane	471510.15	4420893.36
880	St Vrain Creek	92	GOLDEN-FREDSTROM	1538	Grasslands Prairie	485808.09	4447205.52
881	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2338	Lower Montane	462320.21	4426271.06
882	South St Vrain Creek	68	HALL RANCH 2	1665	Grasslands Prairie	475072.39	4450791.37

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
883	Left Hand Creek	34	STEEN	2249	Lower Montane	465669.45	4436148.82
884	South Boulder Creek	57	WALKER RANCH	1984	Lower Montane	472605.68	4421191.90
885	Left Hand Creek	42	IMEL	1552	Grasslands Prairie	483936.96	4440652.94
886	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	493291.14	4435773.88
887	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	480855.01	4450697.82
888	Left Hand Creek	38	BREWBAKER-SORENSSON	1634	Grasslands Prairie	478499.50	4440360.58
889	St Vrain Creek	88	PELLA CROSSING	1549	Grasslands Prairie	484218.74	4447957.93
890	Left Hand Creek	35	STEEN	2222	Lower Montane	466053.32	4436140.56
891	South Boulder Creek	57	WALKER RANCH	1973	Lower Montane	472968.40	4421214.24
892	Boulder Creek	24	ALEXANDER DAWSON	1521	Grasslands Prairie	492653.72	4435125.43
893	Left Hand Creek	45	PECK	1523	Grasslands Prairie	488577.87	4442342.22
894	St Vrain Creek	81	BRALY	1571	Grasslands Prairie	482010.49	4449731.51
895	South Boulder Creek	54	WALKER RANCH	2025	Lower Montane	471446.92	4421027.78
896	St Vrain Creek	95	KEYES	1494	Grasslands Prairie	494712.50	4444693.41
897	Left Hand Creek	39	BREWBAKER-SORENSSON	1634	Grasslands Prairie	478581.42	4440299.18
898	St Vrain Creek	79	WESTERN MOBILE	1578	Grasslands Prairie	481367.54	4450268.35
899	Boulder Creek	17	BETASSO PRESERVE	1807	Lower Montane Ecotone	471180.62	4428402.90
900	South Boulder Creek	51	BLM-SOUTH BOULDER CREEK	2058	Lower Montane	470760.78	4420924.99
901	South Boulder Creek	54	WALKER RANCH	2011	Lower Montane	471840.75	4421165.73

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
902	St Vrain Creek	82	RAMEY	1566	Grasslands Prairie	482347.14	4449452.35
903	Boulder Creek	20	ALEXANDER DAWSON	1529	Grasslands Prairie	490969.61	4434193.42
904	Middle St Vrain Creek	46	RANDOLPH PRATT	2430	Upper Montane Ecotone	459805.14	4443942.53
905	St Vrain Creek	85	GAGE	1558	Grasslands Prairie	483253.68	4448648.94
906	Boulder Creek	14	BOULDER FALLS	2146	Lower Montane	464975.37	4428117.85
907	South Boulder Creek	53	WALKER RANCH	2041	Lower Montane	471226.91	4421458.64
908	Boulder Creek	26	DONIPHAN	1519	Grasslands Prairie	492957.85	4435565.52
909	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2292	Lower Montane	464252.52	4426906.17
910	St Vrain Creek	86	GAGE	1555	Grasslands Prairie	483576.08	4448546.57
911	Left Hand Creek	34	STEEN	2252	Lower Montane	465623.71	4436142.98
912	St Vrain Creek	79	WESTERN MOBILE	1577	Grasslands Prairie	481400.78	4450219.42
913	Boulder Creek	26	DONIPHAN	1519	Grasslands Prairie	493003.98	4435641.44
914	Left Hand Creek	37	ANDERSON-BUTZEL HILL	2116	Lower Montane	468006.94	4436772.48
915	South St Vrain Creek	67	HALL RANCH 2	1668	Grasslands Prairie	474998.77	4450703.43
916	St Vrain Creek	75	BULLOCK	1600	Grasslands Prairie	479233.83	4451209.70
917	Boulder Creek	20	ALEXANDER DAWSON	1529	Grasslands Prairie	491141.07	4434341.75
918	Boulder Creek	10	PLATT-ROGERS MEMORIAL PARK	2294	Lower Montane	464035.49	4426782.46
919	St Vrain Creek	80	WESTERN MOBILE	1575	Grasslands Prairie	481545.32	4449913.91
920	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2306	Lower Montane	463412.53	4426539.15

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
921	Left Hand Creek	41	IMEL	1558	Grasslands Prairie	483444.70	4440351.01
922	Boulder Creek	32	ROGERS	2426	Upper Montane Ecotone	459733.62	4424698.11
923	Left Hand Creek	39	BREWBAKER-SORENSSON	1632	Grasslands Prairie	478717.80	4440167.39
924	St Vrain Creek	79	WESTERN MOBILE	1579	Grasslands Prairie	481349.40	4450292.83
925	Left Hand Creek	38	BREWBAKER-SORENSSON	1636	Grasslands Prairie	478377.83	4440397.83
926	Left Hand Creek	44	RUSSELL-ANDERSON-SCHMIDT	1525	Grasslands Prairie	488293.45	4442154.92
927	St Vrain Creek	76	WALLACE	1594	Grasslands Prairie	479858.50	4451215.32
928	St Vrain Creek	77	MONTGOMERY	1587	Grasslands Prairie	480481.28	4450885.79
929	St Vrain Creek	90	GOLDEN-FREDSTROM	1543	Grasslands Prairie	485096.35	4447428.91
930	South Boulder Creek	53	WALKER RANCH	2046	Lower Montane	471046.77	4421392.62
931	Boulder Creek	15	ADOR	1900	Lower Montane	468665.54	4428167.19
932	South Boulder Creek	53	WALKER RANCH	2030	Lower Montane	471356.42	4421189.78
933	Boulder Creek	25	ALEXANDER DAWSON	1521	Grasslands Prairie	492724.25	4435204.25
934	St Vrain Creek	94	KEYES	1495	Grasslands Prairie	494322.38	4444674.28
935	St Vrain Creek	78	MONTGOMERY	1585	Grasslands Prairie	480785.22	4450750.01
936	Boulder Creek	31	ROGERS	2432	Upper Montane Ecotone	459465.59	4424717.89
937	St Vrain Creek	91	GOLDEN-FREDSTROM	1541	Grasslands Prairie	485415.76	4447335.71
938	Left Hand Creek	43	BIELINS-HOCK	1528	Grasslands Prairie	487840.64	4441825.35
939	Boulder Creek	27	DONIPHAN	1516	Grasslands Prairie	493437.46	4435785.25

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
940	South Boulder Creek	55	WALKER RANCH	2002	Lower Montane	472083.66	4421015.06
941	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	494063.43	4444681.84
942	South Boulder Creek	56	WALKER RANCH	1987	Lower Montane	472486.31	4421095.07
943	St Vrain Creek	77	MONTGOMERY	1589	Grasslands Prairie	480669.95	4450842.07
944	Boulder Creek	31	ROGERS	2432	Upper Montane Ecotone	459492.96	4424708.60
945	South Boulder Creek	52	WALKER RANCH	2049	Lower Montane	470856.39	4421131.65
946	North Boulder Creek	49	LAWRENCE	2206	Lower Montane	464975.51	4428687.63
947	South Boulder Creek	54	WALKER RANCH	2016	Lower Montane	471772.88	4421016.81
948	South Boulder Creek	52	WALKER RANCH	2047	Lower Montane	470954.73	4421280.40
949	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	484251.72	4447863.29
950	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	494477.55	4444633.80
951	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2393	Upper Montane Ecotone	460696.78	4425296.00
952	St Vrain Creek	93	GOLDEN FARM	1497	Grasslands Prairie	493728.51	4444726.38
953	Boulder Creek	22	ALEXANDER DAWSON	1525	Grasslands Prairie	491955.66	4434529.12
954	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2278	Lower Montane	464421.38	4427133.74
955	Boulder Creek	22	ALEXANDER DAWSON	1525	Grasslands Prairie	492004.58	4434559.31
956	St Vrain Creek	91	GOLDEN-FREDSTROM	1539	Grasslands Prairie	485656.00	4447252.08
957	Boulder Creek	21	ALEXANDER DAWSON	1527	Grasslands Prairie	491497.76	4434376.30
958	South Boulder Creek	58	WALKER RANCH	1954	Lower Montane	473133.07	4421237.69

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
959	Boulder Creek	26	DONIPHAN	1519	Grasslands Prairie	493034.62	4435671.73
960	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	481046.61	4450632.75
961	South Boulder Creek	58	WALKER RANCH	1951	Lower Montane	473157.05	4421167.47
962	South St Vrain Creek	66	HALL RANCH 2	1674	Grasslands Prairie	475014.50	4450249.34
963	St Vrain Creek	85	GAGE	1558	Grasslands Prairie	483220.43	4448697.87
964	South Boulder Creek	57	WALKER RANCH	1977	Lower Montane	472712.20	4421169.97
965	St Vrain Creek	91	GOLDEN-FREDSTROM	1540	Grasslands Prairie	485488.76	4447313.97
966	Middle St Vrain Creek	46	RANDOLPH PRATT	2434	Upper Montane Ecotone	459716.80	4443946.08
967	South St Vrain Creek	65	HALL RANCH 2	1687	Grasslands Prairie	474575.77	4450254.86
968	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	492056.57	4434592.53
969	Left Hand Creek	41	IMEL	1559	Grasslands Prairie	483395.54	4440278.16
970	St Vrain Creek	77	MONTGOMERY	1588	Grasslands Prairie	480715.45	4450805.25
971	St Vrain Creek	82	RAMEY	1567	Grasslands Prairie	482323.16	4449522.56
972	Boulder Creek	4	PLATT-ROGERS MEMORIAL PARK	2354	Upper Montane Ecotone	461434.36	4425876.88
973	Boulder Creek	26	DONIPHAN	1519	Grasslands Prairie	493013.17	4435650.52
974	St Vrain Creek	80	BRALY	1574	Grasslands Prairie	481605.95	4449858.72
975	Boulder Creek	13	PLATT-ROGERS MEMORIAL PARK	2250	Lower Montane	464347.67	4427572.92
976	South Boulder Creek	53	WALKER RANCH	2042	Lower Montane	471315.36	4421473.38
977	Boulder Creek	22	ALEXANDER DAWSON	1525	Grasslands Prairie	491888.44	4434495.98

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
978	South Boulder Creek	54	WALKER RANCH	2022	Lower Montane	471595.34	4420871.56
979	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2394	Upper Montane Ecotone	460641.80	4425271.94
980	Boulder Creek	31	REYNOLDS RANCH	2438	Upper Montane Ecotone	459187.79	4424625.00
981	St Vrain Creek	79	WESTERN MOBILE	1580	Grasslands Prairie	481319.71	4450433.16
982	St Vrain Creek	80	BRALY	1574	Grasslands Prairie	481676.10	4449870.51
983	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	492338.09	4434807.28
984	St Vrain Creek	91	GOLDEN-FREDSTROM	1541	Grasslands Prairie	485473.55	4447317.10
985	South St Vrain Creek	63	CUSTODE	1713	Lower Montane Ecotone	473202.31	4450381.45
986	South Boulder Creek	50	BLM-SOUTH BOULDER CREEK	1902	Lower Montane	473761.04	4420207.34
987	Left Hand Creek	38	BREWBAKER-SORENSSON	1637	Grasslands Prairie	478335.24	4440410.26
988	Left Hand Creek	39	BREWBAKER-SORENSSON	1634	Grasslands Prairie	478538.80	4440305.51
989	Left Hand Creek	45	PECK	1523	Grasslands Prairie	488626.81	4442375.46
990	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2331	Lower Montane	462375.34	4426322.55
991	St Vrain Creek	79	WESTERN MOBILE	1578	Grasslands Prairie	481376.61	4450256.12
992	South Boulder Creek	59	BLM-SOUTH BOULDER CREEK	1946	Lower Montane	473115.38	4420802.08
993	South Boulder Creek	54	WALKER RANCH	2028	Lower Montane	471437.85	4421040.02
994	South Boulder Creek	51	WALKER RANCH	2071	Lower Montane	470486.78	4420966.14
995	Left Hand Creek	35	STEEN	2204	Lower Montane	466230.74	4436264.49
996	St Vrain Creek	81	BRALY	1573	Grasslands Prairie	481745.72	4449787.85

RQR1id	NAME	TileID	PROP_NAME	Elev_m	ELEV_ZONE	UTMx	UTMy
997	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	493211.78	4435749.95
998	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	484058.50	4448181.26
999	South Boulder Creek	57	WALKER RANCH	1981	Lower Montane	472645.19	4421173.40
1000	South Boulder Creek	55	WALKER RANCH	1999	Lower Montane	472055.74	4420926.86

Appendix 2.

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
1	South St Vrain Creek	66	HALL RANCH 2	1684	Grasslands Prairie	47464 2.70	445023 6.20
2	South St Vrain Creek	68	HALL RANCH 2	1665	Grasslands Prairie	47506 3.10	445076 4.00
3	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2268	Lower Montane	46432 4.39	442722 5.70
4	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	48403 4.21	444819 6.64
5	Boulder Creek	18	BOULDER CANYON TRAIL-OLMSTED	1739	Lower Montane Ecotone	47263 4.02	442948 8.57
6	South Boulder Creek	57	WALKER RANCH	1975	Lower Montane	47284 3.27	442117 8.38
7	South Boulder Creek	55	WALKER RANCH	2008	Lower Montane	47203 2.82	442118 5.98
8	St Vrain Creek	81	BRALY	1572	Grasslands Prairie	48187 6.68	444977 7.97
9	Boulder Creek	27	DONIPHAN	1517	Grasslands Prairie	49339 4.63	443575 5.02
10	Boulder Creek	27	DONIPHAN	1516	Grasslands Prairie	49355 6.64	443584 8.56
11	South Boulder Creek	51	WALKER RANCH	2058	Lower Montane	47082 1.95	442096 7.31
12	St Vrain Creek	77	MONTGOMERY	1588	Grasslands Prairie	48062 4.28	445084 8.42
13	St Vrain Creek	75	BULLOCK	1600	Grasslands Prairie	47929 1.82	445122 7.65
14	St Vrain Creek	83	SADAR	1562	Grasslands Prairie	48277 7.85	444910 2.57
15	Boulder Creek	25	ALEXANDER DAWSON	1520	Grasslands Prairie	49280 4.36	443536 2.24

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
16	St Vrain Creek	91	GOLDEN-FREDSTROM	1540	Grasslands Prairie	48558 0.19	444731 6.50
17	Boulder Creek	21	ALEXANDER DAWSON	1527	Grasslands Prairie	49163 5.05	443440 9.05
18	Left Hand Creek	40	BISHOP	1566	Grasslands Prairie	48279 0.00	443987 9.38
19	South Boulder Creek	53	WALKER RANCH	2040	Lower Montane	47134 5.81	442147 0.16
20	St Vrain Creek	75	BULLOCK	1598	Grasslands Prairie	47949 3.24	445128 4.41
21	Boulder Creek	10	PLATT-ROGERS MEMORIAL PARK	2293	Lower Montane	46402 0.22	442677 6.45
22	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	49407 8.64	444467 8.70
23	Boulder Creek	25	ALEXANDER DAWSON	1521	Grasslands Prairie	49271 5.04	443519 2.12
24	South Boulder Creek	53	WALKER RANCH	2026	Lower Montane	47136 8.08	442109 5.26
25	South Boulder Creek	51	WALKER RANCH	2061	Lower Montane	47068 4.83	442096 5.03
26	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	49299 1.72	443562 9.32
27	Boulder Creek	27	BAILEY-KENOSHA PONDS	1516	Grasslands Prairie	49373 0.78	443592 9.85
28	South St Vrain Creek	70	HALL RANCH	1646	Grasslands Prairie	47617 1.64	445120 8.70
29	Boulder Creek	31	REYNOLDS RANCH	2437	Upper Montane Ecotone	45923 0.54	442463 9.99
30	South Boulder Creek	57	WALKER RANCH	1979	Lower Montane	47267 8.54	442114 2.74
31	South St Vrain Creek	64	HALL RANCH 2	1695	Grasslands Prairie	47402 0.47	445012 0.88

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
32	South St Vrain Creek	71	HALL RANCH	1645	Grasslands Prairie	47625 1.66	445135 1.45
33	South St Vrain Creek	64	HALL RANCH 2	1695	Grasslands Prairie	47393 8.89	445024 3.22
34	St Vrain Creek	90	GOLDEN-FREDSTROM	1543	Grasslands Prairie	48505 3.66	444742 3.06
35	St Vrain Creek	79	WESTERN MOBILE	1579	Grasslands Prairie	48134 9.81	445036 5.96
36	Boulder Creek	29	BAILEY	1514	Grasslands Prairie	49432 6.43	443619 4.62
37	South Boulder Creek	52	WALKER RANCH	2051	Lower Montane	47084 9.97	442107 3.79
38	South Boulder Creek	57	WALKER RANCH	1984	Lower Montane	47259 0.43	442118 8.94
39	Boulder Creek	30	REYNOLDS RANCH	2443	Upper Montane	45907 6.74	442438 1.86
40	Boulder Creek	19	ALEXANDER DAWSON	1531	Grasslands Prairie	49089 8.38	443398 9.67
41	South Boulder Creek	53	WALKER RANCH	2040	Lower Montane	47130 0.14	442147 6.51
42	South Boulder Creek	53	WALKER RANCH	2029	Lower Montane	47132 8.79	442115 3.37
43	Boulder Creek	30	REYNOLDS RANCH	2443	Upper Montane	45905 8.59	442440 6.34
44	St Vrain Creek	82	RAMEY	1566	Grasslands Prairie	48241 6.91	444939 7.11
45	South Boulder Creek	58	WALKER RANCH	1958	Lower Montane	47309 9.93	442130 4.91
46	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	48423 6.61	444788 4.71
47	South Boulder Creek	56	WALKER RANCH	1988	Lower Montane	47236 3.46	442092 2.08

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
48	Left Hand Creek	33	STEEN	2266	Lower Montane	46528 2.54	443616 0.13
49	South Boulder Creek	57	WALKER RANCH	1975	Lower Montane	47285 8.52	442118 1.34
50	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	49262 3.08	443509 5.13
51	St Vrain Creek	77	MONTGOMERY	1588	Grasslands Prairie	48060 9.06	445085 1.55
52	St Vrain Creek	85	GAGE	1556	Grasslands Prairie	48342 7.13	444860 8.35
53	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2304	Lower Montane	46347 0.89	442662 1.10
54	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2274	Lower Montane	46440 6.28	442715 8.20
55	Left Hand Creek	44	RUSSELL-ANDERSON- SCHMIDT	1525	Grasslands Prairie	48825 9.78	444212 7.68
56	Boulder Creek	24	ALEXANDER DAWSON	1523	Grasslands Prairie	49244 5.32	443491 0.27
57	Middle St Vrain Creek	46	RANDOLPH PRATT	2434	Upper Montane Ecotone	45970 1.55	444394 3.12
58	South St Vrain Creek	64	HALL RANCH 2	1695	Grasslands Prairie	47401 1.38	445013 0.08
59	Boulder Creek	8	PLATT-ROGERS MEMORIAL PARK	2315	Lower Montane	46292 2.00	442654 4.96
60	Middle St Vrain Creek	46	RANDOLPH PRATT	2442	Upper Montane Ecotone	45954 2.68	444386 7.84
61	South St Vrain Creek	72	HALL RANCH	1646	Grasslands Prairie	47650 0.25	445166 9.98
62	South Boulder Creek	56	BLM-SOUTH BOULDER CREEK	1990	Lower Montane	47237 2.67	442093 4.22
63	South Boulder Creek	59	BLM-SOUTH BOULDER CREEK	1936	Lower Montane	47305 3.88	442070 1.87

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
64	North St Vrain Creek	73	HALL RANCH	1638	Grasslands Prairie	47662 4.06	445255 5.95
65	Left Hand Creek	38	BREWBAKER- SORENSEN	1634	Grasslands Prairie	47849 9.58	444037 5.81
66	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2371	Upper Montane Ecotone	46121 6.02	442551 8.56
67	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	49216 3.50	443464 3.73
68	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2381	Upper Montane Ecotone	46093 5.26	442544 0.92
69	Left Hand Creek	33	STEEN	2268	Lower Montane	46516 3.65	443614 8.62
70	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	49323 9.17	443574 3.71
71	St Vrain Creek	83	SADAR	1563	Grasslands Prairie	48274 7.41	444910 8.83
72	St Vrain Creek	81	BRALY	1571	Grasslands Prairie	48190 4.04	444976 5.63
73	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2327	Lower Montane	46247 6.47	442642 5.58
74	St Vrain Creek	95	KEYES	1494	Grasslands Prairie	49459 9.56	444465 7.49
75	Boulder Creek	20	ALEXANDER DAWSON	1530	Grasslands Prairie	49092 9.89	443417 5.36
76	Boulder Creek	30	REYNOLDS RANCH	2446	Upper Montane	45907 6.11	442426 9.13
77	Boulder Creek	27	DONIPHAN	1516	Grasslands Prairie	49346 4.98	443580 3.37
78	St Vrain Creek	80	WESTERN MOBILE	1575	Grasslands Prairie	48154 2.36	444992 9.16
79	South Boulder Creek	54	WALKER RANCH	2022	Lower Montane	47160 7.56	442087 7.58

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
80	St Vrain Creek	80	WESTERN MOBILE	1576	Grasslands Prairie	48141 8.33	445008 8.30
81	Boulder Creek	22	ALEXANDER DAWSON	1525	Grasslands Prairie	49203 2.09	443457 4.39
82	South St Vrain Creek	67	HALL RANCH 2	1666	Grasslands Prairie	47504 7.71	445073 6.67
83	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	49229 2.17	443476 7.93
84	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	48435 1.89	444779 5.70
85	South Boulder Creek	50	BLM-SOUTH BOULDER CREEK	1899	Lower Montane	47386 1.14	442012 7.56
86	St Vrain Creek	81	BRALY	1571	Grasslands Prairie	48199 8.27	444972 5.49
87	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	49219 7.18	443467 4.01
88	South Boulder Creek	54	WALKER RANCH	2016	Lower Montane	47176 3.67	442100 4.67
89	South St Vrain Creek	64	HALL RANCH 2	1695	Grasslands Prairie	47395 7.04	445021 8.74
90	South St Vrain Creek	66	HALL RANCH 2	1672	Grasslands Prairie	47506 0.66	445033 1.35
91	St Vrain Creek	77	MONTGOMERY	1588	Grasslands Prairie	48046 6.08	445089 1.97
92	St Vrain Creek	76	WALLACE	1595	Grasslands Prairie	47981 5.94	445123 3.84
93	St Vrain Creek	78	WESTERN MOBILE	1582	Grasslands Prairie	48108 2.89	445058 3.79
94	South Boulder Creek	57	WALKER RANCH	1983	Lower Montane	47262 0.90	442118 8.77
95	St Vrain Creek	75	BULLOCK	1599	Grasslands Prairie	47934 9.81	445124 5.61

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
96	Left Hand Creek	44	RUSSELL-ANDERSON- SCHMIDT	1525	Grasslands Prairie	48827 2.02	444213 6.75
97	Left Hand Creek	37	ANDERSON-BUTZEL HILL	2114	Lower Montane	46804 9.68	443678 7.47
98	Boulder Creek	27	DONIPHAN	1517	Grasslands Prairie	49335 2.11	443577 9.63
99	Boulder Creek	20	ALEXANDER DAWSON	1530	Grasslands Prairie	49110 3.68	443419 5.71
100	South Boulder Creek	52	WALKER RANCH	2051	Lower Montane	47085 0.06	442108 9.03
101	Middle St Vrain Creek	48	ADAMS-COWGER	2185	Lower Montane	46496 1.62	444682 6.40
102	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	48437 9.20	444777 4.21
103	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	49328 4.92	443575 2.59
104	Boulder Creek	5	PLATT-ROGERS MEMORIAL PARK	2344	Lower Montane	46184 5.73	442588 0.67
105	St Vrain Creek	96	KEYES	1492	Grasslands Prairie	49523 0.33	444466 6.12
106	South St Vrain Creek	66	HALL RANCH 2	1672	Grasslands Prairie	47501 5.30	445039 2.54
107	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	49330 6.37	443577 3.80
108	St Vrain Creek	85	GAGE	1557	Grasslands Prairie	48336 9.13	444859 0.39
109	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2302	Lower Montane	46354 7.68	442673 0.36
110	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	49247 9.02	443494 3.60
111	St Vrain Creek	93	GOLDEN FARM	1497	Grasslands Prairie	49380 1.56	444471 3.78

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
112	Boulder Creek	10	PLATT-ROGERS MEMORIAL PARK	2303	Lower Montane	46362 7.20	442678 4.75
113	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2372	Upper Montane Ecotone	46121 0.08	442554 6.02
114	South Boulder Creek	51	BLM-SOUTH BOULDER CREEK	2059	Lower Montane	47074 5.54	442092 5.08
115	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	49326 0.48	443574 0.54
116	South Boulder Creek	52	WALKER RANCH	2048	Lower Montane	47087 8.28	442123 2.08
117	Boulder Creek	15	ADOR	1893	Lower Montane	46865 3.30	442815 8.11
118	Boulder Creek	32	ROGERS	2424	Upper Montane Ecotone	45972 1.38	442468 9.03
119	St Vrain Creek	77	MONTGOMERY	1588	Grasslands Prairie	48045 0.86	445089 5.10
120	St Vrain Creek	96	KEYES	1493	Grasslands Prairie	49515 7.22	444466 9.58
121	Boulder Creek	28	BAILEY	1515	Grasslands Prairie	49384 3.91	443599 9.29
122	Boulder Creek	14	BOULDER FALLS	2157	Lower Montane	46488 6.70	442806 3.50
123	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	49450 4.92	444462 4.50
124	Left Hand Creek	38	BREWBAKER- SORENSSON	1641	Grasslands Prairie	47816 1.95	444047 8.27
125	Boulder Creek	27	DONIPHAN	1516	Grasslands Prairie	49345 2.74	443579 4.30
126	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	49417 8.90	444462 6.34
127	St Vrain Creek	86	GAGE	1554	Grasslands Prairie	48360 0.41	444853 7.29

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
128	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2334	Lower Montane	46229 8.76	442624 9.85
129	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	49444 1.21	444467 3.61
130	Left Hand Creek	45	PECK	1524	Grasslands Prairie	48865 1.50	444243 0.17
131	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	49231 3.62	443478 9.14
132	St Vrain Creek	95	KEYES	1494	Grasslands Prairie	49457 1.95	444462 4.13
133	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	49447 7.61	444464 5.99
134	Left Hand Creek	42	IMEL	1556	Grasslands Prairie	48371 9.98	444053 8.37
135	Left Hand Creek	44	RUSSELL-ANDERSON- SCHMIDT	1525	Grasslands Prairie	48842 8.15	444226 6.89
136	Boulder Creek	4	PLATT-ROGERS MEMORIAL PARK	2359	Upper Montane Ecotone	46124 4.99	442579 5.68
137	South Boulder Creek	55	WALKER RANCH	2003	Lower Montane	47209 9.29	442108 5.06
138	Middle St Vrain Creek	47	RANDOLPH PRATT	2429	Upper Montane Ecotone	45984 7.85	444395 1.43
139	South Boulder Creek	52	WALKER RANCH	2049	Lower Montane	47091 4.98	442125 6.25
140	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	48408 2.59	444812 9.33
141	Boulder Creek	5	PLATT-ROGERS MEMORIAL PARK	2348	Lower Montane	46181 5.26	442588 0.84
142	South St Vrain Creek	72	HALL RANCH	1645	Grasslands Prairie	47655 2.56	445176 1.09
143	St Vrain Creek	78	WESTERN MOBILE	1582	Grasslands Prairie	48116 7.93	445053 4.56

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
144	St Vrain Creek	83	SADAR	1562	Grasslands Prairie	48279 0.00	444909 6.40
145	Boulder Creek	24	ALEXANDER DAWSON	1521	Grasslands Prairie	49269 6.62	443516 7.85
146	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2298	Lower Montane	46414 5.42	442682 4.50
147	St Vrain Creek	89	PELLA CROSSING	1546	Grasslands Prairie	48466 1.48	444758 0.66
148	Boulder Creek	22	ALEXANDER DAWSON	1526	Grasslands Prairie	49181 8.19	443446 5.91
149	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2365	Upper Montane Ecotone	46116 4.99	442565 5.97
150	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2278	Lower Montane	46441 5.36	442714 5.96
151	Left Hand Creek	42	IMEL	1554	Grasslands Prairie	48377 4.96	444056 2.44
152	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	49260 1.63	443507 3.93
153	South St Vrain Creek	64	HALL RANCH 2	1700	Grasslands Prairie	47390 8.61	445027 6.91
154	South St Vrain Creek	69	HALL RANCH	1653	Grasslands Prairie	47573 5.23	445108 6.23
155	Boulder Creek	8	PLATT-ROGERS MEMORIAL PARK	2315	Lower Montane	46293 7.22	442654 1.82
156	Boulder Creek	25	ALEXANDER DAWSON	1520	Grasslands Prairie	49279 5.06	443533 4.87
157	Left Hand Creek	44	RUSSELL-ANDERSON- SCHMIDT	1524	Grasslands Prairie	48838 5.27	444222 7.52
158	Boulder Creek	23	ALEXANDER DAWSON	1525	Grasslands Prairie	49206 8.79	443459 8.56
159	St Vrain Creek	80	WESTERN MOBILE	1575	Grasslands Prairie	48155 1.26	444988 6.45

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
160	Left Hand Creek	43	RUSSELL-ANDERSON- SCHMIDT	1525	Grasslands Prairie	48809 7.83	444204 6.33
161	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2332	Lower Montane	46257 0.70	442638 5.44
162	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2395	Upper Montane Ecotone	46066 6.26	442528 7.03
163	St Vrain Creek	89	PELLA CROSSING	1547	Grasslands Prairie	48460 3.85	444762 6.69
164	St Vrain Creek	94	KEYES	1495	Grasslands Prairie	49430 4.04	444466 5.25
165	Boulder Creek	20	ALEXANDER DAWSON	1529	Grasslands Prairie	49111 6.15	443424 4.39
166	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2327	Lower Montane	46249 1.70	442642 5.49
167	Boulder Creek	30	REYNOLDS RANCH	2440	Upper Montane Ecotone	45908 6.67	442452 1.97
168	Boulder Creek	22	ALEXANDER DAWSON	1526	Grasslands Prairie	49171 7.51	443444 2.10
169	St Vrain Creek	80	BRALY	1574	Grasslands Prairie	48165 4.72	444986 1.49
170	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2276	Lower Montane	46443 0.37	442710 6.27
171	South Boulder Creek	57	WALKER RANCH	1978	Lower Montane	47297 7.69	442124 1.61
172	Boulder Creek	18	BOULDER CANYON TRAIL-OLMSTED	1738	Lower Montane Ecotone	47270 7.08	442947 5.98
173	Boulder Creek	22	ALEXANDER DAWSON	1526	Grasslands Prairie	49179 0.72	443445 6.92
174	Left Hand Creek	34	STEEN	2253	Lower Montane	46559 6.27	443614 0.09
175	Boulder Creek	18	BOULDER CANYON TRAIL-OLMSTED	1743	Lower Montane Ecotone	47267 9.71	442948 5.27

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
176	St Vrain Creek	94	KEYES	1495	Grasslands Prairie	49425 2.06	444463 2.02
177	Boulder Creek	20	ALEXANDER DAWSON	1530	Grasslands Prairie	49089 5.66	443404 7.58
178	South Boulder Creek	59	BLM-SOUTH BOULDER CREEK	1938	Lower Montane	47306 3.19	442073 2.29
179	South Boulder Creek	54	WALKER RANCH	2019	Lower Montane	47174 8.30	442098 0.39
180	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	49331 8.49	443576 1.54
181	South Boulder Creek	55	WALKER RANCH	2005	Lower Montane	47211 6.32	442086 2.53
182	St Vrain Creek	91	GOLDEN-FREDSTROM	1540	Grasslands Prairie	48550 0.99	444731 9.99
183	South Boulder Creek	54	WALKER RANCH	2025	Lower Montane	47147 4.13	442099 1.07
184	Boulder Creek	21	ALEXANDER DAWSON	1527	Grasslands Prairie	49146 7.31	443437 9.52
185	St Vrain Creek	76	WALLACE	1596	Grasslands Prairie	47967 6.06	445128 3.38
186	Left Hand Creek	35	STEEN	2207	Lower Montane	46616 0.51	443623 7.46
187	Left Hand Creek	42	IMEL	1553	Grasslands Prairie	48383 3.11	444060 7.82
188	South Boulder Creek	55	WALKER RANCH	2002	Lower Montane	47207 4.47	442100 5.98
189	St Vrain Creek	92	GOLDEN-FREDSTROM	1537	Grasslands Prairie	48599 6.59	444713 1.33
190	South St Vrain Creek	70	HALL RANCH	1646	Grasslands Prairie	47618 3.84	445121 1.67
191	South Boulder Creek	51	WALKER RANCH	2066	Lower Montane	47050 8.74	442107 8.76

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
192	Boulder Creek	27	DONIPHAN	1516	Grasslands Prairie	49358 4.15	443586 3.64
193	St Vrain Creek	95	KEYES	1494	Grasslands Prairie	49476 7.26	444467 7.87
194	Boulder Creek	5	PLATT-ROGERS MEMORIAL PARK	2350	Lower Montane	46177 2.64	442588 7.17
195	St Vrain Creek	91	GOLDEN-FREDSTROM	1539	Grasslands Prairie	48564 0.80	444725 8.26
196	Boulder Creek	22	ALEXANDER DAWSON	1525	Grasslands Prairie	49204 4.33	443458 3.46
197	St Vrain Creek	90	GOLDEN-FREDSTROM	1542	Grasslands Prairie	48523 0.43	444743 1.21
198	South St Vrain Creek	68	HALL RANCH 2	1665	Grasslands Prairie	47506 9.26	445077 6.16
199	Left Hand Creek	37	ANDERSON-BUTZEL HILL	2116	Lower Montane	46799 4.73	443676 9.50
200	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	49329 4.12	443576 1.68
201	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	48424 8.71	444786 9.40
202	Boulder Creek	1	PLATT-ROGERS MEMORIAL PARK	2400	Upper Montane Ecotone	46042 4.90	442517 2.60
203	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2331	Lower Montane	46240 2.97	442635 8.96
204	Left Hand Creek	34	STEEN	2253	Lower Montane	46558 1.04	443614 0.17
205	South St Vrain Creek	69	HALL RANCH	1654	Grasslands Prairie	47564 6.79	445107 1.50
206	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	49415 1.51	444463 2.59
207	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2307	Lower Montane	46339 1.09	442651 7.95

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
208	St Vrain Creek	96	KEYES	1493	Grasslands Prairie	49504 7.73	444470 3.71
209	St Vrain Creek	81	BRALY	1572	Grasslands Prairie	48181 5.74	444977 8.32
210	Boulder Creek	24	ALEXANDER DAWSON	1521	Grasslands Prairie	49268 7.41	443515 5.71
211	South St Vrain Creek	66	HALL RANCH 2	1677	Grasslands Prairie	47491 6.81	445021 6.37
212	St Vrain Creek	91	GOLDEN-FREDSTROM	1541	Grasslands Prairie	48534 2.91	444738 4.87
213	Left Hand Creek	42	IMEL	1552	Grasslands Prairie	48392 1.71	444064 9.97
214	South Boulder Creek	57	WALKER RANCH	1979	Lower Montane	47266 6.40	442115 1.95
215	St Vrain Creek	76	WALLACE	1596	Grasslands Prairie	47970 3.43	445127 4.09
216	Boulder Creek	32	ROGERS	2430	Upper Montane Ecotone	45956 2.89	442468 0.78
217	St Vrain Creek	77	MONTGOMERY	1588	Grasslands Prairie	48070 6.38	445081 7.48
218	South Boulder Creek	50	BLM-SOUTH BOULDER CREEK	1897	Lower Montane	47392 2.32	442016 9.87
219	South St Vrain Creek	66	HALL RANCH 2	1677	Grasslands Prairie	47490 4.59	445021 0.35
220	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2331	Lower Montane	46238 4.55	442633 4.69
221	St Vrain Creek	92	GOLDEN-FREDSTROM	1537	Grasslands Prairie	48594 7.97	444715 5.98
222	Left Hand Creek	42	IMEL	1555	Grasslands Prairie	48374 7.47	444055 0.41
223	St Vrain Creek	88	PELLA CROSSING	1549	Grasslands Prairie	48421 5.78	444797 3.19

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
224	Boulder Creek	29	BAILEY-KENOSHA PONDS	1513	Grasslands Prairie	49443 3.36	443624 5.81
225	South Boulder Creek	58	WALKER RANCH	1964	Lower Montane	47303 2.95	442131 4.42
226	Left Hand Creek	39	BREWBAKER- SORENSEN	1633	Grasslands Prairie	47862 9.66	444020 7.50
227	Boulder Creek	27	DONIPHAN	1516	Grasslands Prairie	49350 4.71	443582 4.48
228	Boulder Creek	20	ALEXANDER DAWSON	1529	Grasslands Prairie	49112 5.80	443433 5.74
229	South Boulder Creek	57	WALKER RANCH	1970	Lower Montane	47290 1.23	442119 0.24
230	Boulder Creek	16	DAVIES	1891	Lower Montane	46886 9.50	442813 2.52
231	St Vrain Creek	85	GAGE	1557	Grasslands Prairie	48334 1.73	444859 3.59
232	St Vrain Creek	88	PELLA CROSSING	1549	Grasslands Prairie	48422 4.76	444794 5.71
233	South St Vrain Creek	70	HALL RANCH	1646	Grasslands Prairie	47619 9.09	445121 4.64
234	St Vrain Creek	85	GAGE	1556	Grasslands Prairie	48348 4.95	444859 5.83
235	South Boulder Creek	51	WALKER RANCH	2065	Lower Montane	47061 8.36	442106 5.95
236	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2306	Lower Montane	46342 4.77	442654 8.23
237	St Vrain Creek	81	BRALY	1572	Grasslands Prairie	48184 6.23	444978 1.19
238	Boulder Creek	21	ALEXANDER DAWSON	1527	Grasslands Prairie	49158 6.13	443437 8.85
239	North St Vrain Creek	74	HALL RANCH	1638	Grasslands Prairie	47663 9.28	445255 2.82

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
240	Boulder Creek	20	ALEXANDER DAWSON	1529	Grasslands Prairie	49102 7.56	443420 5.28
241	South St Vrain Creek	66	HALL RANCH 2	1672	Grasslands Prairie	47503 6.49	445036 8.05
242	South Boulder Creek	58	WALKER RANCH	1952	Lower Montane	47316 0.01	442115 2.22
243	Boulder Creek	25	ALEXANDER DAWSON	1521	Grasslands Prairie	49273 9.62	443522 8.54
244	South St Vrain Creek	64	HALL RANCH 2	1695	Grasslands Prairie	47396 6.11	445020 6.51
245	St Vrain Creek	96	KEYES	1493	Grasslands Prairie	49505 6.81	444469 4.52
246	Boulder Creek	14	BOULDER FALLS	2148	Lower Montane	46493 8.67	442809 3.68
247	St Vrain Creek	91	GOLDEN-FREDSTROM	1540	Grasslands Prairie	48558 6.21	444730 4.28
248	Left Hand Creek	38	BREWBAKER- SORENSSON	1636	Grasslands Prairie	47842 3.60	444040 9.76
249	Left Hand Creek	45	PECK	1524	Grasslands Prairie	48869 8.23	444261 2.72
250	Left Hand Creek	38	BREWBAKER- SORENSSON	1636	Grasslands Prairie	47845 1.01	444040 6.56
251	South Boulder Creek	57	WALKER RANCH	1986	Lower Montane	47258 1.24	442117 9.85
252	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	49317 8.37	443576 8.42
253	Left Hand Creek	35	STEEN	2227	Lower Montane	46598 0.25	443615 0.11
254	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	48417 0.42	444803 4.38
255	Middle St Vrain Creek	48	ADAMS-COWGER	2180	Lower Montane	46501 9.43	444681 0.84

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
256	Left Hand Creek	38	BREWBAKER- SORENSSON	1641	Grasslands Prairie	47817 4.08	444046 9.06
257	South Boulder Creek	54	BLM-SOUTH BOULDER CREEK	2030	Lower Montane	47149 2.09	442093 3.07
258	Left Hand Creek	45	PECK	1523	Grasslands Prairie	48869 8.16	444260 0.54
259	South Boulder Creek	55	WALKER RANCH	2002	Lower Montane	47206 5.26	442099 3.84
260	Left Hand Creek	43	RUSSELL-ANDERSON- SCHMIDT	1525	Grasslands Prairie	48806 7.19	444201 6.03
261	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2372	Upper Montane Ecotone	46120 3.67	442549 1.21
262	St Vrain Creek	95	KEYES	1494	Grasslands Prairie	49459 3.40	444464 5.33
263	South Boulder Creek	53	WALKER RANCH	2038	Lower Montane	47126 9.64	442147 0.59
264	South Boulder Creek	58	WALKER RANCH	1964	Lower Montane	47306 0.37	442131 4.27
265	Boulder Creek	28	BAILEY	1515	Grasslands Prairie	49412 1.82	443611 3.50
266	South Boulder Creek	52	WALKER RANCH	2047	Lower Montane	47090 2.76	442125 0.22
267	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	49235 9.54	443482 8.49
268	St Vrain Creek	80	WESTERN MOBILE	1577	Grasslands Prairie	48142 1.72	445014 9.22
269	Left Hand Creek	35	STEEN	2206	Lower Montane	46619 1.05	443624 9.48
270	Boulder Creek	18	BOULDER CANYON TRAIL-OLMSTED	1738	Lower Montane Ecotone	47271 9.23	442946 9.81
271	St Vrain Creek	75	BULLOCK	1599	Grasslands Prairie	47936 5.05	445124 5.52

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
272	Left Hand Creek	35	STEEN	2235	Lower Montane	46594 0.55	443613 5.10
273	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	49403 2.97	444468 5.06
274	St Vrain Creek	89	GOLDEN-FREDSTROM	1546	Grasslands Prairie	48487 7.06	444744 5.38
275	Boulder Creek	19	ALEXANDER DAWSON	1531	Grasslands Prairie	49071 1.99	443389 6.27
276	Left Hand Creek	41	IMEL	1558	Grasslands Prairie	48346 6.17	444037 5.27
277	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2383	Upper Montane Ecotone	46095 6.70	442546 2.13
278	St Vrain Creek	77	MONTGOMERY	1587	Grasslands Prairie	48053 6.01	445086 4.15
279	Boulder Creek	25	ALEXANDER DAWSON	1520	Grasslands Prairie	49275 1.96	443525 5.89
280	Left Hand Creek	44	PECK	1524	Grasslands Prairie	48852 2.94	444232 7.30
281	South Boulder Creek	54	WALKER RANCH	2028	Lower Montane	47142 5.71	442104 9.23
282	South Boulder Creek	53	WALKER RANCH	2035	Lower Montane	47141 4.82	442128 0.86
283	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	48096 7.57	445066 6.71
284	South St Vrain Creek	69	HALL RANCH	1655	Grasslands Prairie	47562 2.50	445108 6.87
285	St Vrain Creek	80	WESTERN MOBILE	1575	Grasslands Prairie	48150 3.09	444999 0.32
286	South Boulder Creek	50	BLM-SOUTH BOULDER CREEK	1902	Lower Montane	47379 4.20	442014 3.17
287	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	48406 7.59	444817 2.07

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
288	Boulder Creek	20	ALEXANDER DAWSON	1530	Grasslands Prairie	49112 2.07	443421 3.89
289	Left Hand Creek	37	ANDERSON-BUTZEL HILL	2112	Lower Montane	46802 2.19	443677 5.44
290	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2387	Upper Montane Ecotone	46087 9.83	442533 7.63
291	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	49255 8.74	443503 1.51
292	St Vrain Creek	80	BRALY	1573	Grasslands Prairie	48171 5.61	444985 2.01
293	South St Vrain Creek	66	HALL RANCH 2	1675	Grasslands Prairie	47495 9.54	445022 8.32
294	St Vrain Creek	94	KEYES	1495	Grasslands Prairie	49435 2.85	444467 4.11
295	Left Hand Creek	43	RUSSELL-ANDERSON- SCHMIDT	1525	Grasslands Prairie	48804 2.53	444196 4.37
296	Left Hand Creek	41	IMEL	1555	Grasslands Prairie	48365 2.50	444045 9.53
297	South Boulder Creek	52	WALKER RANCH	2047	Lower Montane	47096 6.95	442128 6.42
298	Boulder Creek	17	BETASSO PRESERVE	1807	Lower Montane Ecotone	47118 6.65	442839 0.67
299	South Boulder Creek	53	WALKER RANCH	2038	Lower Montane	47125 7.43	442146 7.61
300	St Vrain Creek	85	GAGE	1556	Grasslands Prairie	48351 5.38	444858 9.57
301	St Vrain Creek	79	WESTERN MOBILE	1582	Grasslands Prairie	48127 7.38	445049 1.29
302	St Vrain Creek	89	PELLA CROSSING	1547	Grasslands Prairie	48451 5.79	444768 2.04
303	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	49420 9.35	444462 3.12

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
304	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	49215 1.26	443463 4.66
305	Left Hand Creek	41	IMEL	1555	Grasslands Prairie	48369 2.37	444050 5.01
306	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2374	Upper Montane Ecotone	46114 8.74	442547 6.28
307	Boulder Creek	25	ALEXANDER DAWSON	1521	Grasslands Prairie	49273 3.45	443521 6.39
308	Left Hand Creek	41	IMEL	1555	Grasslands Prairie	48361 5.81	444043 5.36
309	Boulder Creek	16	DAVIES	1887	Lower Montane	46888 1.72	442813 8.55
310	Boulder Creek	28	BAILEY-KENOSHA PONDS	1515	Grasslands Prairie	49393 2.32	443600 7.93
311	Left Hand Creek	44	RUSSELL-ANDERSON- SCHMIDT	1524	Grasslands Prairie	48837 3.03	444221 8.45
312	St Vrain Creek	90	GOLDEN-FREDSTROM	1543	Grasslands Prairie	48512 6.83	444743 1.79
313	South Boulder Creek	51	WALKER RANCH	2064	Lower Montane	47064 5.58	442102 9.24
314	St Vrain Creek	96	KEYES	1492	Grasslands Prairie	49525 7.70	444465 6.82
315	South St Vrain Creek	69	HALL RANCH	1654	Grasslands Prairie	47563 1.57	445107 4.63
316	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2293	Lower Montane	46422 8.06	442689 1.07
317	St Vrain Creek	91	GOLDEN-FREDSTROM	1540	Grasslands Prairie	48559 2.22	444728 9.01
318	Boulder Creek	22	ALEXANDER DAWSON	1525	Grasslands Prairie	49187 6.22	443448 9.95
319	St Vrain Creek	81	BRALY	1573	Grasslands Prairie	48172 7.55	444980 9.28

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
320	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	49224 0.06	443471 3.38
321	St Vrain Creek	85	GAGE	1558	Grasslands Prairie	48324 4.60	444866 1.17
322	South St Vrain Creek	66	HALL RANCH 2	1679	Grasslands Prairie	47485 8.85	445020 4.51
323	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2325	Lower Montane	46267 4.21	442636 9.62
324	South Boulder Creek	53	WALKER RANCH	2035	Lower Montane	47140 8.80	442129 3.08
325	Left Hand Creek	38	BREWBAKER- SORENSEN	1634	Grasslands Prairie	47850 2.46	444034 5.33
326	Boulder Creek	28	BAILEY	1515	Grasslands Prairie	49410 6.59	443611 3.59
327	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	49413 3.37	444465 7.07
328	Boulder Creek	17	BETASSO PRESERVE	1808	Lower Montane Ecotone	47112 2.99	442844 8.92
329	South Boulder Creek	58	WALKER RANCH	1951	Lower Montane	47314 5.10	442121 0.20
330	Boulder Creek	32	ROGERS	2426	Upper Montane Ecotone	45961 1.45	442464 6.99
331	St Vrain Creek	76	BULLOCK	1596	Grasslands Prairie	47959 0.90	445131 1.28
332	Left Hand Creek	45	PECK	1523	Grasslands Prairie	48856 5.63	444233 3.15
333	St Vrain Creek	85	GAGE	1555	Grasslands Prairie	48353 9.69	444857 7.24
334	Left Hand Creek	35	STEEN	2230	Lower Montane	46591 3.04	443612 0.02
335	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	48424 8.80	444788 4.64

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
336	St Vrain Creek	89	PELLA CROSSING	1546	Grasslands Prairie	48469 4.82	444755 0.01
337	South Boulder Creek	53	WALKER RANCH	2030	Lower Montane	47136 8.64	442119 5.80
338	St Vrain Creek	77	MONTGOMERY	1585	Grasslands Prairie	48076 0.95	445076 8.43
339	South St Vrain Creek	71	HALL RANCH	1646	Grasslands Prairie	47630 0.25	445132 3.76
340	South Boulder Creek	57	WALKER RANCH	1973	Lower Montane	47288 5.98	442118 7.28
341	Boulder Creek	21	ALEXANDER DAWSON	1528	Grasslands Prairie	49131 7.70	443432 5.52
342	Boulder Creek	32	GREAT NORTHERN	2426	Upper Montane Ecotone	45963 8.82	442463 7.70
343	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	49325 1.39	443574 9.73
344	South Boulder Creek	57	WALKER RANCH	1986	Lower Montane	47255 9.69	442114 0.36
345	Left Hand Creek	45	PECK	1523	Grasslands Prairie	48868 8.67	444253 9.65
346	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	49441 0.70	444466 7.69
347	South Boulder Creek	56	BLM-SOUTH BOULDER CREEK	1986	Lower Montane	47240 6.56	442100 1.06
348	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2317	Lower Montane	46283 6.57	442652 4.11
349	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	48428 8.27	444786 0.04
350	South St Vrain Creek	66	HALL RANCH 2	1679	Grasslands Prairie	47484 3.62	445020 4.60
351	Boulder Creek	30	REYNOLDS RANCH	2446	Upper Montane	45906 3.87	442426 0.05

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
352	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2290	Lower Montane	46426 7.79	442691 2.18
353	South Boulder Creek	51	WALKER RANCH	2068	Lower Montane	47059 4.07	442108 1.33
354	St Vrain Creek	89	PELLA CROSSING	1546	Grasslands Prairie	48470 6.96	444754 0.80
355	Boulder Creek	4	PLATT-ROGERS MEMORIAL PARK	2356	Upper Montane Ecotone	46130 6.17	442583 7.99
356	Left Hand Creek	39	BREWBAKER- SORENSSON	1633	Grasslands Prairie	47864 7.84	444018 9.11
357	South Boulder Creek	54	WALKER RANCH	2023	Lower Montane	47153 7.54	442088 7.11
358	Left Hand Creek	39	BREWBAKER- SORENSSON	1633	Grasslands Prairie	47862 0.89	444027 4.58
359	South Boulder Creek	51	WALKER RANCH	2068	Lower Montane	47050 2.25	442100 8.71
360	Left Hand Creek	41	IMEL	1555	Grasslands Prairie	48366 4.74	444046 8.60
361	South St Vrain Creek	71	HALL RANCH	1647	Grasslands Prairie	47628 4.63	445125 3.76
362	South Boulder Creek	53	WALKER RANCH	2040	Lower Montane	47135 7.98	442146 7.04
363	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	49449 2.81	444463 9.81
364	South St Vrain Creek	66	HALL RANCH 2	1673	Grasslands Prairie	47504 8.17	445027 6.57
365	St Vrain Creek	92	GOLDEN-FREDSTROM	1538	Grasslands Prairie	48586 5.86	444718 3.87
366	St Vrain Creek	79	WESTERN MOBILE	1579	Grasslands Prairie	48134 6.59	445033 5.51
367	Boulder Creek	19	ALEXANDER DAWSON	1531	Grasslands Prairie	49079 4.61	443395 9.79

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
368	St Vrain Creek	91	GOLDEN-FREDSTROM	1539	Grasslands Prairie	48560 1.29	444727 6.77
369	Middle St Vrain Creek	46	RANDOLPH PRATT	2433	Upper Montane Ecotone	45973 2.05	444394 9.04
370	Boulder Creek	31	REYNOLDS RANCH	2441	Upper Montane Ecotone	45911 4.17	442453 7.05
371	St Vrain Creek	79	WESTERN MOBILE	1583	Grasslands Prairie	48124 0.96	445051 5.87
372	Left Hand Creek	38	BREWBAKER- SORENSSON	1639	Grasslands Prairie	47824 0.96	444044 1.26
373	Boulder Creek	22	ALEXANDER DAWSON	1527	Grasslands Prairie	49165 9.51	443442 4.14
374	South Boulder Creek	54	WALKER RANCH	2023	Lower Montane	47169 9.24	442092 5.82
375	Left Hand Creek	44	RUSSELL-ANDERSON- SCHMIDT	1525	Grasslands Prairie	48823 5.30	444210 9.54
376	St Vrain Creek	93	GOLDEN FARM	1496	Grasslands Prairie	49391 7.24	444469 4.85
377	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2309	Lower Montane	46331 4.67	442647 5.72
378	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	49419 4.13	444462 6.26
379	Left Hand Creek	34	STEEN	2252	Lower Montane	46563 8.96	443614 5.94
380	South Boulder Creek	53	WALKER RANCH	2039	Lower Montane	47121 1.66	442145 5.68
381	St Vrain Creek	85	GAGE	1557	Grasslands Prairie	48329 9.17	444861 2.12
382	South Boulder Creek	53	WALKER RANCH	2049	Lower Montane	47109 8.72	442141 9.75
383	South St Vrain Creek	66	HALL RANCH 2	1679	Grasslands Prairie	47482 8.38	445020 4.69

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
384	South St Vrain Creek	72	HALL RANCH	1645	Grasslands Prairie	47652 7.96	445172 1.62
385	Left Hand Creek	44	RUSSELL-ANDERSON- SCHMIDT	1524	Grasslands Prairie	48836 3.84	444220 9.36
386	St Vrain Creek	85	GAGE	1558	Grasslands Prairie	48322 3.40	444868 2.62
387	St Vrain Creek	90	GOLDEN-FREDSTROM	1543	Grasslands Prairie	48511 1.58	444742 8.83
388	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	48432 1.63	444783 2.43
389	South St Vrain Creek	62	BROOKS	2109	Lower Montane	46665 9.39	444639 3.30
390	St Vrain Creek	82	RAMEY	1566	Grasslands Prairie	48236 8.35	444943 0.90
391	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2387	Upper Montane Ecotone	46090 1.55	442540 7.59
392	Boulder Creek	16	ADOR	1891	Lower Montane	46883 8.99	442812 6.60
393	South St Vrain Creek	69	HALL RANCH	1654	Grasslands Prairie	47566 2.06	445107 7.51
394	St Vrain Creek	85	GAGE	1556	Grasslands Prairie	48350 0.17	444859 2.70
395	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2375	Upper Montane Ecotone	46109 0.96	442549 4.89
396	South Boulder Creek	53	WALKER RANCH	2045	Lower Montane	47105 5.96	442140 1.71
397	Left Hand Creek	42	IMEL	1555	Grasslands Prairie	48369 8.53	444051 7.17
398	South St Vrain Creek	70	HALL RANCH	1647	Grasslands Prairie	47615 6.44	445121 4.88
399	South St Vrain Creek	66	HALL RANCH 2	1678	Grasslands Prairie	47488 9.32	445020 4.34

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
400	South Boulder Creek	53	WALKER RANCH	2038	Lower Montane	47118 4.19	442144 6.69
401	South Boulder Creek	52	WALKER RANCH	2045	Lower Montane	47101 2.88	442132 5.77
402	Boulder Creek	1	PLATT-ROGERS MEMORIAL PARK	2397	Upper Montane Ecotone	46053 1.85	442522 6.85
403	Boulder Creek	27	BAILEY-KENOSHA PONDS	1516	Grasslands Prairie	49370 3.29	443591 7.81
404	St Vrain Creek	95	KEYES	1494	Grasslands Prairie	49455 6.70	444462 1.16
405	Boulder Creek	27	DONIPHAN	1517	Grasslands Prairie	49341 0.07	443579 1.49
406	St Vrain Creek	85	GAGE	1557	Grasslands Prairie	48338 4.40	444859 6.40
407	St Vrain Creek	90	GOLDEN-FREDSTROM	1543	Grasslands Prairie	48515 7.32	444743 4.66
408	St Vrain Creek	93	GOLDEN FARM	1497	Grasslands Prairie	49378 6.35	444471 6.91
409	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	48412 4.92	444807 1.20
410	South Boulder Creek	51	WALKER RANCH	2066	Lower Montane	47055 1.47	442109 0.71
411	South Boulder Creek	57	WALKER RANCH	1984	Lower Montane	47255 0.48	442112 8.23
412	South Boulder Creek	50	BLM-SOUTH BOULDER CREEK	1898	Lower Montane	47388 8.65	442014 2.64
413	St Vrain Creek	95	KEYES	1494	Grasslands Prairie	49477 9.48	444468 3.90
414	St Vrain Creek	76	WALLACE	1595	Grasslands Prairie	47974 6.00	445125 8.61
415	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	48103 7.52	445064 1.94

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
416	St Vrain Creek	92	GOLDEN-FREDSTROM	1537	Grasslands Prairie	48592 3.70	444717 4.40
417	Boulder Creek	19	ALEXANDER DAWSON	1531	Grasslands Prairie	49083 7.29	443396 2.59
418	Boulder Creek	14	BOULDER FALLS	2162	Lower Montane	46484 0.96	442805 7.66
419	South Boulder Creek	55	WALKER RANCH	2007	Lower Montane	47206 0.04	442114 9.26
420	St Vrain Creek	92	GOLDEN-FREDSTROM	1538	Grasslands Prairie	48578 6.92	444723 3.07
421	Boulder Creek	25	ALEXANDER DAWSON	1520	Grasslands Prairie	49283 1.98	443539 8.65
422	South Boulder Creek	57	WALKER RANCH	1980	Lower Montane	47271 2.44	442121 2.63
423	South Boulder Creek	54	WALKER RANCH	2013	Lower Montane	47181 3.12	442112 9.32
424	St Vrain Creek	93	GOLDEN FARM	1497	Grasslands Prairie	49375 8.96	444472 3.16
425	South Boulder Creek	55	WALKER RANCH	2020	Lower Montane	47187 4.42	442119 2.96
426	South St Vrain Creek	65	HALL RANCH 2	1682	Grasslands Prairie	47456 3.51	445024 2.74
427	South Boulder Creek	56	WALKER RANCH	1990	Lower Montane	47232 9.77	442089 1.80
428	St Vrain Creek	77	MONTGOMERY	1587	Grasslands Prairie	48052 3.85	445087 0.31
429	Boulder Creek	19	ALEXANDER DAWSON	1530	Grasslands Prairie	49085 2.52	443396 2.51
430	St Vrain Creek	93	GOLDEN FARM	1497	Grasslands Prairie	49374 3.73	444472 3.25
431	St Vrain Creek	79	WESTERN MOBILE	1578	Grasslands Prairie	48135 8.47	445028 0.59

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
432	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2326	Lower Montane	46250 6.94	442642 5.41
433	South Boulder Creek	57	WALKER RANCH	1969	Lower Montane	47294 6.97	442119 6.08
434	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2363	Upper Montane Ecotone	46119 2.70	442570 7.61
435	St Vrain Creek	80	WESTERN MOBILE	1576	Grasslands Prairie	48144 5.30	445000 8.93
436	South Boulder Creek	55	WALKER RANCH	2008	Lower Montane	47202 3.73	442119 5.17
437	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2392	Upper Montane Ecotone	46072 4.25	442530 4.99
438	South Boulder Creek	54	WALKER RANCH	2024	Lower Montane	47172 0.67	442094 3.98
439	Boulder Creek	27	DONIPHAN	1517	Grasslands Prairie	49337 9.39	443575 5.10
440	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	48442 4.69	444773 7.39
441	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	48115 2.72	445053 7.70
442	St Vrain Creek	77	MONTGOMERY	1585	Grasslands Prairie	48073 9.72	445078 6.83
443	South St Vrain Creek	65	HALL RANCH 2	1684	Grasslands Prairie	47439 5.85	445022 8.46
444	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	49254 0.32	443500 7.24
445	St Vrain Creek	85	GAGE	1556	Grasslands Prairie	48341 1.89	444860 8.43
446	St Vrain Creek	91	GOLDEN-FREDSTROM	1540	Grasslands Prairie	48557 1.10	444732 5.69
447	Boulder Creek	21	ALEXANDER DAWSON	1527	Grasslands Prairie	49143 6.84	443437 9.69

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
448	St Vrain Creek	89	PELLA CROSSING	1547	Grasslands Prairie	48452 7.93	444767 2.83
449	Left Hand Creek	39	BREWBAKER- SORENSSON	1634	Grasslands Prairie	47856 9.25	444030 2.29
450	Left Hand Creek	39	BREWBAKER- SORENSSON	1630	Grasslands Prairie	47875 1.43	444018 8.53
451	South Boulder Creek	54	WALKER RANCH	2013	Lower Montane	47181 9.29	442114 1.47
452	South Boulder Creek	58	WALKER RANCH	1968	Lower Montane	47298 4.04	442128 7.28
453	St Vrain Creek	95	KEYES	1494	Grasslands Prairie	49454 4.49	444461 8.19
454	Left Hand Creek	33	STEEN	2260	Lower Montane	46540 4.45	443616 5.54
455	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	48098 2.79	445066 3.58
456	Boulder Creek	31	REYNOLDS RANCH	2438	Upper Montane Ecotone	45917 2.56	442462 5.08
457	St Vrain Creek	79	WESTERN MOBILE	1582	Grasslands Prairie	48121 0.54	445052 5.18
458	St Vrain Creek	81	BRALY	1572	Grasslands Prairie	48178 8.30	444977 5.42
459	Boulder Creek	20	ALEXANDER DAWSON	1530	Grasslands Prairie	49089 5.74	443406 2.81
460	Left Hand Creek	33	STEEN	2275	Lower Montane	46513 3.18	443614 8.79
461	St Vrain Creek	89	PELLA CROSSING	1547	Grasslands Prairie	48459 1.71	444763 5.90
462	South St Vrain Creek	67	HALL RANCH 2	1666	Grasslands Prairie	47503 8.52	445072 7.58
463	Left Hand Creek	45	PECK	1524	Grasslands Prairie	48863 6.12	444240 5.88

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
464	South Boulder Creek	56	WALKER RANCH	1994	Lower Montane	47220 1.56	442084 9.87
465	South Boulder Creek	54	WALKER RANCH	2014	Lower Montane	47180 6.96	442111 7.17
466	South Boulder Creek	55	WALKER RANCH	2010	Lower Montane	47205 0.97	442116 1.50
467	South St Vrain Creek	67	HALL RANCH 2	1667	Grasslands Prairie	47493 1.55	445067 0.29
468	South Boulder Creek	56	WALKER RANCH	1993	Lower Montane	47227 4.77	442086 4.69
469	South Boulder Creek	57	WALKER RANCH	1983	Lower Montane	47256 5.85	442115 2.51
470	Left Hand Creek	35	STEEN	2206	Lower Montane	46620 3.25	443625 2.46
471	Left Hand Creek	34	STEEN	2235	Lower Montane	46581 2.43	443610 8.40
472	St Vrain Creek	80	WESTERN MOBILE	1576	Grasslands Prairie	48142 7.16	445003 3.40
473	St Vrain Creek	92	GOLDEN-FREDSTROM	1537	Grasslands Prairie	48593 5.85	444716 8.24
474	South Boulder Creek	52	WALKER RANCH	2047	Lower Montane	47094 2.51	442127 4.37
475	South St Vrain Creek	66	HALL RANCH 2	1671	Grasslands Prairie	47495 4.61	445043 5.54
476	Left Hand Creek	38	BREWBAKER- SORENSSON	1636	Grasslands Prairie	47840 8.35	444040 6.80
477	Left Hand Creek	41	IMEL	1559	Grasslands Prairie	48343 5.49	444033 8.88
478	South St Vrain Creek	66	HALL RANCH 2	1675	Grasslands Prairie	47497 4.79	445023 1.28
479	St Vrain Creek	90	GOLDEN-FREDSTROM	1544	Grasslands Prairie	48497 7.47	444742 0.44

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
480	Left Hand Creek	38	BREWBAKER- SORENSSON	1634	Grasslands Prairie	47850 5.42	444033 0.08
481	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	48402 2.09	444820 8.89
482	South Boulder Creek	58	WALKER RANCH	1957	Lower Montane	47311 1.96	442127 7.42
483	St Vrain Creek	93	GOLDEN FARM	1496	Grasslands Prairie	49388 6.74	444468 8.93
484	Boulder Creek	15	ADOR	1893	Lower Montane	46864 1.10	442815 5.14
485	Left Hand Creek	39	BREWBAKER- SORENSSON	1633	Grasslands Prairie	47860 8.76	444028 3.79
486	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2377	Upper Montane Ecotone	46104 8.35	442550 4.27
487	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	48418 2.54	444802 2.12
488	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2286	Lower Montane	46435 3.25	442693 9.12
489	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2372	Upper Montane Ecotone	46120 9.84	442550 3.36
490	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2326	Lower Montane	46255 8.57	442639 4.65
491	North Boulder Creek	49	LAWRENCE	2206	Lower Montane	46498 4.59	442867 5.39
492	St Vrain Creek	90	GOLDEN-FREDSTROM	1543	Grasslands Prairie	48506 5.84	444742 2.99
493	Boulder Creek	24	ALEXANDER DAWSON	1523	Grasslands Prairie	49239 9.41	443487 3.97
494	St Vrain Creek	91	GOLDEN-FREDSTROM	1540	Grasslands Prairie	48555 5.90	444733 1.87
495	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2303	Lower Montane	46350 1.63	442666 9.67

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
496	St Vrain Creek	76	WALLACE	1595	Grasslands Prairie	47978 8.57	445124 3.14
497	St Vrain Creek	92	GOLDEN-FREDSTROM	1538	Grasslands Prairie	48582 3.17	444717 8.02
498	South Boulder Creek	59	BLM-SOUTH BOULDER CREEK	1940	Lower Montane	47306 2.87	442067 4.40
499	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	48431 2.61	444785 3.81
500	Boulder Creek	29	BAILEY-KENOSHA PONDS	1513	Grasslands Prairie	49445 1.79	443627 3.13
501	St Vrain Creek	79	WESTERN MOBILE	1581	Grasslands Prairie	48131 0.74	445046 3.68
502	South Boulder Creek	57	WALKER RANCH	1976	Lower Montane	47282 8.05	442118 1.51
503	South St Vrain Creek	64	HALL RANCH 2	1694	Grasslands Prairie	47405 6.98	445011 1.54
504	Boulder Creek	22	ALEXANDER DAWSON	1527	Grasslands Prairie	49176 0.22	443445 1.00
505	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2375	Upper Montane Ecotone	46110 6.16	442548 8.71
506	St Vrain Creek	93	GOLDEN FARM	1497	Grasslands Prairie	49384 4.15	444470 1.35
507	South Boulder Creek	54	WALKER RANCH	2013	Lower Montane	47178 8.27	442104 4.15
508	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	49324 8.45	443576 8.03
509	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	49258 9.38	443506 1.81
510	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2338	Lower Montane	46212 1.01	442606 8.03
511	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2271	Lower Montane	46434 8.67	442720 7.28

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
512	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2309	Lower Montane	46329 9.46	442647 8.85
513	Middle St Vrain Creek	48	ADAMS-COWGER	2180	Lower Montane	46503 4.64	444680 7.71
514	Boulder Creek	20	ALEXANDER DAWSON	1529	Grasslands Prairie	49108 8.45	443419 5.79
515	Middle St Vrain Creek	46	RANDOLPH PRATT	2444	Upper Montane Ecotone	45952 7.44	444386 7.92
516	St Vrain Creek	90	GOLDEN-FREDSTROM	1543	Grasslands Prairie	48517 2.55	444743 4.58
517	Boulder Creek	26	DONIPHAN	1519	Grasslands Prairie	49308 6.59	443570 1.91
518	St Vrain Creek	81	BRALY	1571	Grasslands Prairie	48192 8.32	444975 0.26
519	St Vrain Creek	80	WESTERN MOBILE	1576	Grasslands Prairie	48142 1.13	445004 5.62
520	Boulder Creek	20	ALEXANDER DAWSON	1530	Grasslands Prairie	49091 4.52	443415 1.07
521	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	49217 5.74	443465 2.80
522	South Boulder Creek	52	WALKER RANCH	2049	Lower Montane	47085 9.70	442117 7.34
523	South St Vrain Creek	61	BROOKS	2112	Lower Montane	46657 7.59	444647 6.03
524	Boulder Creek	31	REYNOLDS RANCH	2441	Upper Montane Ecotone	45912 6.39	442454 3.07
525	Boulder Creek	16	ADOR	1889	Lower Montane	46877 8.28	442816 6.55
526	St Vrain Creek	94	KEYES	1495	Grasslands Prairie	49430 7.18	444468 0.46
527	Left Hand Creek	39	BREWBAKER- SORENSEN	1631	Grasslands Prairie	47873 3.03	444016 7.30

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
528	Boulder Creek	31	ROGERS	2432	Upper Montane Ecotone	45948 0.79	442471 1.71
529	South Boulder Creek	51	BLM-SOUTH BOULDER CREEK	2059	Lower Montane	47079 7.47	442094 9.16
530	South St Vrain Creek	67	HALL RANCH 2	1665	Grasslands Prairie	47505 6.92	445074 8.80
531	Boulder Creek	32	ROGERS	2428	Upper Montane Ecotone	45958 4.11	442466 2.38
532	South Boulder Creek	58	WALKER RANCH	1954	Lower Montane	47313 9.07	442122 2.42
533	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	49261 0.83	443508 3.01
534	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2376	Upper Montane Ecotone	46111 8.31	442548 2.55
535	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	48432 4.75	444784 4.60
536	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	49326 3.70	443577 0.99
537	South St Vrain Creek	67	HALL RANCH 2	1668	Grasslands Prairie	47490 3.92	445063 3.88
538	Left Hand Creek	38	BREWBAKER- SORENSEN	1641	Grasslands Prairie	47819 8.36	444045 0.64
539	St Vrain Creek	78	WESTERN MOBILE	1583	Grasslands Prairie	48109 1.97	445057 1.56
540	South Boulder Creek	51	WALKER RANCH	2069	Lower Montane	47049 5.99	442097 8.28
541	St Vrain Creek	80	WESTERN MOBILE	1574	Grasslands Prairie	48157 5.45	444985 2.80
542	Left Hand Creek	44	RUSSELL-ANDERSON- SCHMIDT	1525	Grasslands Prairie	48816 8.08	444207 6.40
543	Left Hand Creek	45	PECK	1524	Grasslands Prairie	48864 5.32	444241 4.97

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
544	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2274	Lower Montane	46439 7.21	442717 0.44
545	St Vrain Creek	92	GOLDEN-FREDSTROM	1538	Grasslands Prairie	48575 9.54	444724 2.36
546	Left Hand Creek	33	STEEN	2264	Lower Montane	46535 8.75	443616 5.80
547	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2361	Upper Montane Ecotone	46122 0.41	442575 9.25
548	South Boulder Creek	53	WALKER RANCH	2026	Lower Montane	47135 5.94	442110 4.47
549	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2394	Upper Montane Ecotone	46062 9.56	442526 2.86
550	St Vrain Creek	76	WALLACE	1595	Grasslands Prairie	47976 1.22	445125 5.48
551	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	49263 2.27	443510 4.22
552	St Vrain Creek	96	KEYES	1493	Grasslands Prairie	49506 8.93	444468 2.26
553	St Vrain Creek	91	GOLDEN-FREDSTROM	1541	Grasslands Prairie	48538 2.40	444736 3.32
554	St Vrain Creek	92	GOLDEN-FREDSTROM	1538	Grasslands Prairie	48581 4.05	444718 1.11
555	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	49446 5.39	444463 9.96
556	South Boulder Creek	58	WALKER RANCH	1966	Lower Montane	47300 2.44	442130 8.50
557	Boulder Creek	13	PLATT-ROGERS MEMORIAL PARK	2251	Lower Montane	46431 7.17	442756 7.00
558	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	48430 9.48	444783 8.59
559	Boulder Creek	22	ALEXANDER DAWSON	1525	Grasslands Prairie	49194 3.42	443452 0.05

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
560	South Boulder Creek	53	WALKER RANCH	2042	Lower Montane	47133 0.59	442147 3.29
561	Boulder Creek	32	ROGERS	2425	Upper Montane Ecotone	45968 1.51	442464 3.55
562	Boulder Creek	25	ALEXANDER DAWSON	1520	Grasslands Prairie	49277 0.38	443528 0.17
563	St Vrain Creek	80	WESTERN MOBILE	1577	Grasslands Prairie	48142 1.55	445011 8.75
564	Boulder Creek	32	ROGERS	2426	Upper Montane Ecotone	45974 5.84	442470 4.13
565	Left Hand Creek	35	STEEN	2229	Lower Montane	46596 5.01	443615 0.20
566	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	48082 4.59	445070 7.13
567	South St Vrain Creek	65	HALL RANCH 2	1690	Grasslands Prairie	47460 3.21	445025 7.75
568	South Boulder Creek	55	WALKER RANCH	2014	Lower Montane	47186 2.18	442118 3.89
569	St Vrain Creek	86	GAGE	1554	Grasslands Prairie	48363 0.86	444853 4.07
570	South St Vrain Creek	66	HALL RANCH 2	1671	Grasslands Prairie	47497 8.88	445041 7.12
571	Left Hand Creek	38	BREWBAKER- SORENSEN	1636	Grasslands Prairie	47843 5.79	444040 9.69
572	South Boulder Creek	50	BLM-SOUTH BOULDER CREEK	1899	Lower Montane	47381 8.49	442012 7.80
573	South St Vrain Creek	66	HALL RANCH 2	1685	Grasslands Prairie	47469 7.39	445020 8.47
574	Left Hand Creek	38	BREWBAKER- SORENSEN	1640	Grasslands Prairie	47821 0.51	444044 4.48
575	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2271	Lower Montane	46437 2.94	442718 8.86

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
576	Boulder Creek	21	ALEXANDER DAWSON	1527	Grasslands Prairie	49152 5.13	443436 7.01
577	Left Hand Creek	41	IMEL	1559	Grasslands Prairie	48340 1.70	444029 0.32
578	Left Hand Creek	34	STEEN	2254	Lower Montane	46550 7.98	443615 2.77
579	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	49327 2.69	443574 3.52
580	Boulder Creek	25	ALEXANDER DAWSON	1520	Grasslands Prairie	49282 2.77	443538 6.51
581	South Boulder Creek	57	WALKER RANCH	1976	Lower Montane	47270 5.96	442114 2.59
582	St Vrain Creek	94	KEYES	1495	Grasslands Prairie	49431 3.34	444469 2.62
583	St Vrain Creek	79	WESTERN MOBILE	1577	Grasslands Prairie	48140 6.81	445020 7.19
584	St Vrain Creek	96	KEYES	1493	Grasslands Prairie	49508 4.15	444467 9.13
585	Left Hand Creek	41	IMEL	1558	Grasslands Prairie	48345 3.91	444036 3.15
586	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	49250 9.66	443497 3.89
587	Left Hand Creek	34	STEEN	2259	Lower Montane	46549 2.76	443615 5.90
588	St Vrain Creek	79	WESTERN MOBILE	1580	Grasslands Prairie	48132 5.74	445042 0.94
589	South St Vrain Creek	64	HALL RANCH 2	1697	Grasslands Prairie	47390 5.82	445032 2.63
590	Boulder Creek	4	PLATT-ROGERS MEMORIAL PARK	2352	Lower Montane	46154 1.30	442592 8.08
591	Boulder Creek	32	ROGERS	2424	Upper Montane Ecotone	45969 9.93	442466 7.83

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
592	Left Hand Creek	41	IMEL	1555	Grasslands Prairie	48362 8.03	444044 1.39
593	South St Vrain Creek	72	HALL RANCH	1636	Grasslands Prairie	47661 0.83	445182 7.80
594	South Boulder Creek	55	WALKER RANCH	2005	Lower Montane	47210 4.18	442087 1.74
595	Boulder Creek	22	ALEXANDER DAWSON	1526	Grasslands Prairie	49184 8.73	443447 7.92
596	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2290	Lower Montane	46420 3.58	442687 2.93
597	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2320	Lower Montane	46277 5.17	442644 2.18
598	St Vrain Creek	90	GOLDEN-FREDSTROM	1545	Grasslands Prairie	48490 4.43	444743 6.09
599	South Boulder Creek	53	WALKER RANCH	2045	Lower Montane	47107 1.23	442140 7.71
600	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	48409 1.56	444809 8.81
601	South St Vrain Creek	66	HALL RANCH 2	1678	Grasslands Prairie	47487 4.09	445020 4.43
602	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	49445 3.34	444466 4.40
603	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2334	Lower Montane	46227 7.31	442622 8.65
604	Left Hand Creek	42	IMEL	1552	Grasslands Prairie	48395 2.21	444065 5.90
605	Left Hand Creek	42	IMEL	1553	Grasslands Prairie	48379 0.23	444056 8.45
606	South St Vrain Creek	66	HALL RANCH 2	1679	Grasslands Prairie	47481 3.15	445020 4.77
607	Boulder Creek	5	PLATT-ROGERS MEMORIAL PARK	2342	Lower Montane	46198 3.18	442594 0.83

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
608	South Boulder Creek	53	WALKER RANCH	2028	Lower Montane	47132 8.72	442114 1.18
609	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	49213 9.02	443462 5.59
610	South St Vrain Creek	64	HALL RANCH 2	1694	Grasslands Prairie	47398 4.17	445016 6.79
611	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	49451 4.04	444462 1.41
612	Left Hand Creek	44	RUSSELL-ANDERSON- SCHMIDT	1525	Grasslands Prairie	48819 5.57	444208 8.43
613	Left Hand Creek	34	STEEN	2252	Lower Montane	46553 5.35	443614 3.48
614	Boulder Creek	18	BOULDER CANYON TRAIL-OLMSTED	1738	Lower Montane Ecotone	47266 4.49	442948 8.40
615	South Boulder Creek	52	WALKER RANCH	2048	Lower Montane	47086 9.08	442121 9.94
616	South Boulder Creek	51	WALKER RANCH	2068	Lower Montane	47060 9.27	442107 5.15
617	South Boulder Creek	53	WALKER RANCH	2028	Lower Montane	47134 3.80	442111 3.68
618	Left Hand Creek	45	PECK	1523	Grasslands Prairie	48874 0.95	444262 4.67
619	South St Vrain Creek	72	HALL RANCH	1645	Grasslands Prairie	47654 3.35	445174 8.96
620	Left Hand Creek	34	STEEN	2248	Lower Montane	46571 5.13	443614 5.51
621	South St Vrain Creek	66	HALL RANCH 2	1673	Grasslands Prairie	47506 3.64	445031 9.14
622	South Boulder Creek	53	WALKER RANCH	2030	Lower Montane	47134 4.18	442118 0.71
623	South St Vrain Creek	66	HALL RANCH 2	1681	Grasslands Prairie	47467 0.03	445022 0.81

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
624	St Vrain Creek	85	GAGE	1557	Grasslands Prairie	48328 7.04	444862 1.33
625	St Vrain Creek	77	MONTGOMERY	1587	Grasslands Prairie	48058 1.66	445085 4.75
626	South Boulder Creek	51	WALKER RANCH	2064	Lower Montane	47063 6.50	442104 1.48
627	Boulder Creek	32	ROGERS	2432	Upper Montane Ecotone	45950 8.18	442470 5.47
628	South St Vrain Creek	64	HALL RANCH 2	1694	Grasslands Prairie	47397 8.14	445017 9.01
629	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2319	Lower Montane	46278 7.51	442646 9.54
630	Boulder Creek	27	DONIPHAN	1517	Grasslands Prairie	49342 2.08	443576 0.96
631	St Vrain Creek	80	WESTERN MOBILE	1576	Grasslands Prairie	48143 6.23	445002 1.16
632	St Vrain Creek	81	BRALY	1572	Grasslands Prairie	48175 7.85	444977 8.64
633	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2283	Lower Montane	46442 6.98	442704 5.35
634	South Boulder Creek	56	WALKER RANCH	1993	Lower Montane	47229 0.04	442087 0.70
635	Boulder Creek	27	DONIPHAN	1516	Grasslands Prairie	49351 6.91	443582 7.45
636	South St Vrain Creek	72	HALL RANCH	1636	Grasslands Prairie	47662 0.04	445183 9.93
637	Boulder Creek	20	ALEXANDER DAWSON	1529	Grasslands Prairie	49121 4.16	443433 5.24
638	Boulder Creek	16	ADOR	1891	Lower Montane	46881 4.69	442813 8.93
639	Left Hand Creek	33	STEEN	2266	Lower Montane	46527 0.34	443615 7.16

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
640	Left Hand Creek	43	BIELINS-HOCK	1528	Grasslands Prairie	48782 5.41	444182 5.43
641	South Boulder Creek	53	WALKER RANCH	2043	Lower Montane	47103 7.56	442138 0.48
642	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2385	Upper Montane Ecotone	46092 3.00	442542 8.80
643	St Vrain Creek	93	GOLDEN FARM	1497	Grasslands Prairie	49383 2.00	444470 7.52
644	South Boulder Creek	51	WALKER RANCH	2069	Lower Montane	47050 2.17	442099 3.48
645	South Boulder Creek	55	WALKER RANCH	1996	Lower Montane	47214 3.67	442085 0.19
646	South Boulder Creek	51	BLM-SOUTH BOULDER CREEK	2059	Lower Montane	47080 9.71	442095 8.24
647	St Vrain Creek	82	RAMEY	1566	Grasslands Prairie	48235 6.21	444944 0.11
648	South St Vrain Creek	67	HALL RANCH 2	1669	Grasslands Prairie	47490 9.23	445049 3.69
649	St Vrain Creek	89	PELLA CROSSING	1546	Grasslands Prairie	48473 1.23	444752 2.38
650	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2294	Lower Montane	46409 0.43	442680 0.43
651	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	49412 1.21	444466 3.23
652	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2294	Lower Montane	46413 3.19	442681 8.48
653	South Boulder Creek	57	WALKER RANCH	1987	Lower Montane	47273 6.90	442122 7.73
654	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2379	Upper Montane Ecotone	46100 5.63	442549 2.32
655	St Vrain Creek	89	PELLA CROSSING	1547	Grasslands Prairie	48456 7.42	444765 1.27

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
656	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2331	Lower Montane	46239 3.76	442634 6.82
657	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2297	Lower Montane	46407 8.23	442679 7.46
658	South Boulder Creek	53	WALKER RANCH	2036	Lower Montane	47139 4.39	442143 9.42
659	South Boulder Creek	57	WALKER RANCH	1974	Lower Montane	47276 4.24	442121 2.34
660	Boulder Creek	25	DONIPHAN	1519	Grasslands Prairie	49293 0.22	443552 9.11
661	Left Hand Creek	33	STEEN	2265	Lower Montane	46531 3.03	443616 3.01
662	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2338	Lower Montane	46231 1.01	442626 1.97
663	South Boulder Creek	55	WALKER RANCH	2014	Lower Montane	47191 4.15	442121 4.07
664	Left Hand Creek	39	BREWBAKER- SORENSSON	1633	Grasslands Prairie	47867 5.21	444017 9.82
665	Left Hand Creek	45	PECK	1523	Grasslands Prairie	48869 7.99	444257 0.07
666	Left Hand Creek	34	STEEN	2235	Lower Montane	46579 7.23	443611 4.58
667	South St Vrain Creek	63	CUSTODE	1713	Lower Montane Ecotone	47315 6.61	445038 1.70
668	Boulder Creek	14	BOULDER FALLS	2162	Lower Montane	46482 5.73	442805 7.75
669	Left Hand Creek	34	STEEN	2252	Lower Montane	46555 0.57	443614 0.34
670	South St Vrain Creek	72	HALL RANCH	1645	Grasslands Prairie	47653 4.14	445173 6.82
671	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2384	Upper Montane Ecotone	46088 6.10	442536 8.07

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
672	South Boulder Creek	53	WALKER RANCH	2038	Lower Montane	47140 6.42	442141 1.93
673	St Vrain Creek	79	WESTERN MOBILE	1582	Grasslands Prairie	48118 3.15	445053 1.43
674	South St Vrain Creek	66	HALL RANCH 2	1672	Grasslands Prairie	47505 4.66	445034 6.62
675	St Vrain Creek	80	WESTERN MOBILE	1575	Grasslands Prairie	48151 2.18	444998 1.13
676	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	49316 3.15	443577 1.56
677	South St Vrain Creek	67	HALL RANCH 2	1666	Grasslands Prairie	47502 6.28	445071 8.51
678	Boulder Creek	10	PLATT-ROGERS MEMORIAL PARK	2297	Lower Montane	46394 7.01	442676 1.63
679	South St Vrain Creek	61	BROOKS	2112	Lower Montane	46659 8.82	444645 7.63
680	St Vrain Creek	78	WESTERN MOBILE	1583	Grasslands Prairie	48106 7.80	445060 8.26
681	Boulder Creek	28	BAILEY-KENOSHA PONDS	1515	Grasslands Prairie	49395 9.79	443601 6.92
682	St Vrain Creek	86	GAGE	1554	Grasslands Prairie	48370 3.93	444852 4.52
683	Boulder Creek	24	ALEXANDER DAWSON	1523	Grasslands Prairie	49249 7.42	443496 4.82
684	St Vrain Creek	93	GOLDEN FARM	1497	Grasslands Prairie	49381 6.78	444471 0.65
685	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	49446 5.48	444465 5.20
686	St Vrain Creek	96	KEYES	1492	Grasslands Prairie	49527 2.92	444465 3.69
687	St Vrain Creek	81	BRALY	1571	Grasslands Prairie	48198 3.03	444972 5.58

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
688	Left Hand Creek	35	STEEN	2207	Lower Montane	46617 5.78	443624 3.47
689	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	49320 2.68	443575 6.10
690	South Boulder Creek	53	WALKER RANCH	2042	Lower Montane	47115 6.71	442143 7.70
691	Left Hand Creek	38	BREWBAKER- SORENSSON	1641	Grasslands Prairie	47814 9.78	444048 1.38
692	Boulder Creek	22	ALEXANDER DAWSON	1526	Grasslands Prairie	49170 2.26	443443 9.14
693	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2378	Upper Montane Ecotone	46101 7.85	442549 8.35
694	Boulder Creek	19	ALEXANDER DAWSON	1531	Grasslands Prairie	49073 3.42	443391 4.43
695	South Boulder Creek	53	WALKER RANCH	2036	Lower Montane	47143 2.97	442125 6.38
696	St Vrain Creek	79	WESTERN MOBILE	1580	Grasslands Prairie	48134 3.80	445038 1.23
697	St Vrain Creek	96	KEYES	1493	Grasslands Prairie	49512 6.76	444466 9.75
698	Left Hand Creek	43	BIELINS-HOCK	1526	Grasslands Prairie	48801 1.77	444191 2.75
699	Boulder Creek	17	BETASSO PRESERVE	1810	Lower Montane Ecotone	47118 9.61	442837 5.42
700	Boulder Creek	17	BETASSO PRESERVE	1810	Lower Montane Ecotone	47113 5.14	442844 2.76
701	Boulder Creek	1	PLATT-ROGERS MEMORIAL PARK	2400	Upper Montane Ecotone	46055 9.34	442523 8.88
702	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	49315 0.91	443576 2.48
703	St Vrain Creek	81	BRALY	1572	Grasslands Prairie	48180 3.54	444977 5.34

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
704	South St Vrain Creek	72	HALL RANCH	1641	Grasslands Prairie	47657 0.96	445178 2.32
705	Boulder Creek	8	PLATT-ROGERS MEMORIAL PARK	2314	Lower Montane	46299 5.02	442652 6.27
706	South St Vrain Creek	64	HALL RANCH 2	1695	Grasslands Prairie	47400 2.31	445014 2.31
707	Left Hand Creek	33	STEEN	2262	Lower Montane	46538 9.22	443616 5.63
708	South St Vrain Creek	64	HALL RANCH 2	1698	Grasslands Prairie	47390 8.70	445029 2.14
709	South Boulder Creek	53	WALKER RANCH	2046	Lower Montane	47112 6.19	442142 8.73
710	St Vrain Creek	90	GOLDEN-FREDSTROM	1541	Grasslands Prairie	48532 7.71	444739 1.05
711	Left Hand Creek	34	STEEN	2241	Lower Montane	46575 7.72	443613 3.08
712	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2256	Lower Montane	46422 2.12	442746 0.89
713	South St Vrain Creek	63	CUSTODE	1713	Lower Montane Ecotone	47318 7.06	445037 8.49
714	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2283	Lower Montane	46440 5.34	442699 0.62
715	Left Hand Creek	34	STEEN	2254	Lower Montane	46552 0.13	443614 6.61
716	South Boulder Creek	53	WALKER RANCH	2032	Lower Montane	47144 5.00	442122 8.89
717	South St Vrain Creek	69	HALL RANCH	1652	Grasslands Prairie	47576 5.72	445108 9.11
718	South St Vrain Creek	65	HALL RANCH 2	1683	Grasslands Prairie	47455 4.32	445023 3.66
719	Boulder Creek	8	PLATT-ROGERS MEMORIAL PARK	2314	Lower Montane	46296 4.61	442653 5.58

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
720	Boulder Creek	27	DONIPHAN	1516	Grasslands Prairie	49347 7.20	443580 9.40
721	St Vrain Creek	90	GOLDEN-FREDSTROM	1542	Grasslands Prairie	48525 7.78	444741 8.86
722	Boulder Creek	7	PLATT-ROGERS MEMORIAL PARK	2318	Lower Montane	46282 4.33	442651 5.04
723	Boulder Creek	22	ALEXANDER DAWSON	1526	Grasslands Prairie	49177 5.47	443445 3.96
724	Boulder Creek	28	BAILEY-KENOSHA PONDS	1515	Grasslands Prairie	49394 4.52	443601 0.91
725	South St Vrain Creek	63	CUSTODE	1713	Grasslands Prairie	47314 4.44	445038 4.82
726	South Boulder Creek	56	WALKER RANCH	1988	Lower Montane	47235 1.22	442091 3.01
727	Boulder Creek	32	ROGERS	2429	Upper Montane Ecotone	45957 1.98	442467 1.59
728	St Vrain Creek	80	BRALY	1574	Grasslands Prairie	48163 3.41	444986 4.66
729	St Vrain Creek	79	WESTERN MOBILE	1577	Grasslands Prairie	48142 1.80	445016 4.45
730	Left Hand Creek	38	BREWBAKER- SORENSSON	1638	Grasslands Prairie	47832 6.15	444041 9.45
731	St Vrain Creek	79	WESTERN MOBILE	1579	Grasslands Prairie	48134 6.52	445032 3.32
732	St Vrain Creek	81	BRALY	1572	Grasslands Prairie	48183 0.98	444977 8.23
733	Boulder Creek	17	BETASSO PRESERVE	1809	Lower Montane Ecotone	47117 1.55	442841 5.13
734	St Vrain Creek	83	SADAR	1563	Grasslands Prairie	48273 5.26	444911 4.99
735	St Vrain Creek	96	KEYES	1493	Grasslands Prairie	49518 4.66	444467 2.47

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
736	Left Hand Creek	39	BREWBAKER- SORENSSON	1633	Grasslands Prairie	47863 2.64	444019 5.29
737	South St Vrain Creek	67	HALL RANCH 2	1670	Grasslands Prairie	47493 3.38	445045 3.94
738	Left Hand Creek	38	BREWBAKER- SORENSSON	1638	Grasslands Prairie	47831 0.95	444042 5.63
739	South Boulder Creek	54	WALKER RANCH	2016	Lower Montane	47178 2.09	442102 8.95
740	North St Vrain Creek	74	HALL RANCH	1633	Grasslands Prairie	47667 8.78	445253 4.31
741	Boulder Creek	25	ALEXANDER DAWSON	1520	Grasslands Prairie	49279 1.93	443531 9.65
742	St Vrain Creek	92	GOLDEN-FREDSTROM	1536	Grasslands Prairie	48601 1.84	444713 4.30
743	St Vrain Creek	88	PELLA CROSSING	1547	Grasslands Prairie	48447 6.30	444770 3.59
744	Boulder Creek	13	PLATT-ROGERS MEMORIAL PARK	2241	Lower Montane	46443 5.76	442752 3.67
745	South Boulder Creek	56	BLM-SOUTH BOULDER CREEK	1987	Lower Montane	47238 1.88	442094 6.36
746	Left Hand Creek	44	RUSSELL-ANDERSON- SCHMIDT	1525	Grasslands Prairie	48830 5.69	444216 3.99
747	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2293	Lower Montane	46424 0.30	442690 0.14
748	St Vrain Creek	75	BULLOCK	1600	Grasslands Prairie	47926 4.35	445121 8.67
749	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	48090 9.72	445067 3.13
750	Boulder Creek	20	ALEXANDER DAWSON	1530	Grasslands Prairie	49111 5.91	443420 1.73
751	Left Hand Creek	43	BIELINS-HOCK	1527	Grasslands Prairie	48795 9.76	444187 6.48

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
752	St Vrain Creek	75	BULLOCK	1600	Grasslands Prairie	47922 1.64	445120 9.77
753	South St Vrain Creek	67	HALL RANCH 2	1667	Grasslands Prairie	47492 2.36	445066 1.20
754	Boulder Creek	17	BETASSO PRESERVE	1810	Lower Montane Ecotone	47114 7.29	442843 6.60
755	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2304	Lower Montane	46346 7.76	442660 5.88
756	Boulder Creek	19	ALEXANDER DAWSON	1531	Grasslands Prairie	49067 2.12	443385 0.79
757	Boulder Creek	22	ALEXANDER DAWSON	1525	Grasslands Prairie	49196 7.88	443453 5.14
758	South St Vrain Creek	62	BROOKS	2113	Lower Montane	46661 6.96	444643 3.15
759	St Vrain Creek	96	KEYES	1492	Grasslands Prairie	49521 5.12	444466 9.25
760	South Boulder Creek	53	WALKER RANCH	2029	Lower Montane	47133 4.97	442116 8.57
761	St Vrain Creek	75	BULLOCK	1600	Grasslands Prairie	47920 6.39	445120 6.81
762	Left Hand Creek	38	BREWBAKER- SORENSEN	1636	Grasslands Prairie	47839 3.08	444040 0.79
763	Boulder Creek	20	ALEXANDER DAWSON	1529	Grasslands Prairie	49111 6.61	443432 6.65
764	Middle St Vrain Creek	48	ADAMS-COWGER	2185	Lower Montane	46494 9.47	444683 2.56
765	South Boulder Creek	55	WALKER RANCH	1999	Lower Montane	47204 3.71	442095 4.35
766	St Vrain Creek	78	WESTERN MOBILE	1583	Grasslands Prairie	48112 2.28	445054 3.96
767	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2384	Upper Montane Ecotone	46088 9.21	442538 0.24

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
768	St Vrain Creek	79	WESTERN MOBILE	1582	Grasslands Prairie	48126 5.25	445050 0.50
769	Left Hand Creek	39	BREWBAKER- SORENSSON	1631	Grasslands Prairie	47874 5.27	444017 6.38
770	Left Hand Creek	41	IMEL	1558	Grasslands Prairie	48342 6.28	444032 6.74
771	South Boulder Creek	52	WALKER RANCH	2047	Lower Montane	47098 2.24	442129 5.48
772	South Boulder Creek	56	BLM-SOUTH BOULDER CREEK	1988	Lower Montane	47242 2.12	442105 8.87
773	Left Hand Creek	45	PECK	1523	Grasslands Prairie	48872 5.72	444262 4.76
774	Boulder Creek	21	ALEXANDER DAWSON	1528	Grasslands Prairie	49134 5.19	443433 7.55
775	South St Vrain Creek	72	HALL RANCH	1641	Grasslands Prairie	47658 0.17	445179 4.45
776	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	49224 9.27	443472 5.51
777	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	48419 1.61	444800 9.89
778	Boulder Creek	32	ROGERS	2428	Upper Montane Ecotone	45959 6.25	442465 3.17
779	South St Vrain Creek	64	HALL RANCH 2	1694	Grasslands Prairie	47397 2.13	445019 4.28
780	South St Vrain Creek	63	CUSTODE	1709	Grasslands Prairie	47326 0.27	445039 3.31
781	Left Hand Creek	39	BREWBAKER- SORENSSON	1633	Grasslands Prairie	47863 9.04	444025 0.10
782	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2309	Lower Montane	46335 7.40	442648 7.67
783	Boulder Creek	31	REYNOLDS RANCH	2438	Upper Montane Ecotone	45915 0.87	442456 1.22

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
784	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2285	Lower Montane	46433 7.97	442693 0.06
785	Boulder Creek	25	DONIPHAN	1519	Grasslands Prairie	49289 9.44	443547 4.44
786	Middle St Vrain Creek	48	ADAMS-COWGER	2184	Lower Montane	46497 3.77	444682 0.24
787	Boulder Creek	16	ADOR	1889	Lower Montane	46875 3.99	442818 1.92
788	South Boulder Creek	51	WALKER RANCH	2073	Lower Montane	47049 6.49	442106 6.64
789	Boulder Creek	27	DONIPHAN	1516	Grasslands Prairie	49348 9.44	443581 8.47
790	Left Hand Creek	33	STEEN	2268	Lower Montane	46517 8.90	443615 1.58
791	St Vrain Creek	77	MONTGOMERY	1585	Grasslands Prairie	48074 8.81	445077 7.64
792	South Boulder Creek	51	WALKER RANCH	2068	Lower Montane	47049 9.28	442102 0.92
793	Left Hand Creek	45	PECK	1523	Grasslands Prairie	48868 5.39	444249 7.01
794	St Vrain Creek	95	KEYES	1494	Grasslands Prairie	49473 6.79	444467 8.04
795	St Vrain Creek	93	GOLDEN FARM	1496	Grasslands Prairie	49390 1.99	444469 1.89
796	South Boulder Creek	54	WALKER RANCH	2013	Lower Montane	47182 8.50	442115 3.61
797	Boulder Creek	28	BAILEY	1516	Grasslands Prairie	49381 6.43	443599 0.30
798	Left Hand Creek	41	IMEL	1555	Grasslands Prairie	48360 0.43	444041 1.07
799	St Vrain Creek	86	GAGE	1553	Grasslands Prairie	48374 3.42	444850 2.97

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
800	Boulder Creek	27	DONIPHAN	1517	Grasslands Prairie	49340 9.86	443575 4.93
801	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	49305 9.10	443568 9.88
802	Boulder Creek	5	PLATT-ROGERS MEMORIAL PARK	2344	Lower Montane	46183 0.50	442588 0.75
803	South Boulder Creek	56	WALKER RANCH	1987	Lower Montane	47244 3.60	442108 6.17
804	South Boulder Creek	53	WALKER RANCH	2036	Lower Montane	47143 8.99	442124 4.16
805	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	48430 0.46	444785 9.97
806	South St Vrain Creek	70	HALL RANCH	1648	Grasslands Prairie	47612 9.00	445121 1.98
807	South Boulder Creek	51	BLM-SOUTH BOULDER CREEK	2058	Lower Montane	47077 6.04	442093 1.00
808	St Vrain Creek	80	WESTERN MOBILE	1575	Grasslands Prairie	48153 9.40	444994 4.41
809	Boulder Creek	30	REYNOLDS RANCH	2447	Upper Montane	45909 4.71	442432 6.91
810	South Boulder Creek	55	WALKER RANCH	2011	Lower Montane	47184 9.94	442117 4.82
811	St Vrain Creek	86	GAGE	1555	Grasslands Prairie	48358 8.24	444854 0.41
812	South Boulder Creek	52	WALKER RANCH	2047	Lower Montane	47085 9.78	442119 2.57
813	South Boulder Creek	53	WALKER RANCH	2042	Lower Montane	47114 1.44	442143 1.70
814	St Vrain Creek	90	GOLDEN-FREDSTROM	1543	Grasslands Prairie	48518 7.81	444743 7.54
815	Boulder Creek	20	ALEXANDER DAWSON	1530	Grasslands Prairie	49112 2.15	443422 9.12

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
816	Boulder Creek	14	BOULDER FALLS	2160	Lower Montane	46485 6.20	442805 7.58
817	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	49327 5.89	443577 0.92
818	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	49312 0.27	443573 2.19
819	South Boulder Creek	57	WALKER RANCH	1970	Lower Montane	47291 6.48	442119 3.20
820	St Vrain Creek	76	WALLACE	1595	Grasslands Prairie	47984 6.34	445122 1.48
821	Left Hand Creek	33	STEEN	2262	Lower Montane	46537 3.98	443616 5.71
822	St Vrain Creek	79	WESTERN MOBILE	1581	Grasslands Prairie	48128 9.52	445048 2.08
823	St Vrain Creek	88	PELLA CROSSING	1549	Grasslands Prairie	48422 1.51	444790 9.17
824	South St Vrain Creek	65	HALL RANCH 2	1684	Grasslands Prairie	47438 0.60	445022 5.49
825	South Boulder Creek	53	WALKER RANCH	2037	Lower Montane	47140 2.88	442132 3.58
826	South St Vrain Creek	67	HALL RANCH 2	1666	Grasslands Prairie	47501 1.01	445071 2.50
827	Boulder Creek	30	REYNOLDS RANCH	2443	Upper Montane	45908 2.76	442436 9.64
828	South St Vrain Creek	65	HALL RANCH 2	1690	Grasslands Prairie	47459 1.02	445025 7.82
829	Left Hand Creek	44	RUSSELL-ANDERSON- SCHMIDT	1524	Grasslands Prairie	48834 8.55	444220 0.31
830	St Vrain Creek	81	BRALY	1572	Grasslands Prairie	48186 1.46	444978 1.11
831	St Vrain Creek	75	BULLOCK	1599	Grasslands Prairie	47938 0.30	445124 8.48

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
832	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	48086 7.16	445069 1.65
833	South St Vrain Creek	62	BROOKS	2108	Lower Montane	46671 7.20	444637 7.74
834	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	48428 5.24	444786 3.10
835	South Boulder Creek	55	WALKER RANCH	1999	Lower Montane	47204 6.84	442096 9.57
836	South Boulder Creek	50	BLM-SOUTH BOULDER CREEK	1902	Lower Montane	47376 4.00	442019 2.09
837	Boulder Creek	14	BOULDER FALLS	2157	Lower Montane	46489 8.94	442807 2.57
838	St Vrain Creek	77	MONTGOMERY	1588	Grasslands Prairie	48072 7.59	445079 6.04
839	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2359	Upper Montane Ecotone	46123 5.80	442578 6.59
840	Boulder Creek	13	PLATT-ROGERS MEMORIAL PARK	2263	Lower Montane	46425 5.99	442752 4.68
841	St Vrain Creek	79	WESTERN MOBILE	1579	Grasslands Prairie	48134 3.39	445030 8.10
842	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2384	Upper Montane Ecotone	46089 5.39	442539 5.44
843	St Vrain Creek	88	PELLA CROSSING	1547	Grasslands Prairie	48450 3.64	444768 8.20
844	St Vrain Creek	82	RAMEY	1566	Grasslands Prairie	48234 1.11	444946 4.57
845	South St Vrain Creek	62	BROOKS	2111	Lower Montane	46663 5.10	444640 8.67
846	St Vrain Creek	91	GOLDEN-FREDSTROM	1539	Grasslands Prairie	48568 3.41	444724 8.88
847	Boulder Creek	28	BAILEY	1515	Grasslands Prairie	49407 9.12	443610 4.60

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
848	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	49314 1.72	443575 3.40
849	South Boulder Creek	53	WALKER RANCH	2040	Lower Montane	47128 4.89	442147 3.55
850	St Vrain Creek	92	GOLDEN-FREDSTROM	1538	Grasslands Prairie	48579 9.05	444722 3.86
851	South St Vrain Creek	66	HALL RANCH 2	1674	Grasslands Prairie	47502 6.72	445025 5.36
852	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2268	Lower Montane	46433 6.53	442721 6.49
853	South St Vrain Creek	72	HALL RANCH	1641	Grasslands Prairie	47658 9.38	445180 6.59
854	South St Vrain Creek	71	HALL RANCH	1646	Grasslands Prairie	47629 4.07	445130 8.56
855	St Vrain Creek	80	WESTERN MOBILE	1576	Grasslands Prairie	48146 0.50	445000 2.75
856	Boulder Creek	27	DONIPHAN	1517	Grasslands Prairie	49336 4.18	443575 8.24
857	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	48404 6.37	444819 0.47
858	Boulder Creek	3	PLATT-ROGERS MEMORIAL PARK	2367	Upper Montane Ecotone	46120 8.07	442573 1.90
859	Boulder Creek	32	GREAT NORTHERN	2426	Upper Montane Ecotone	45965 4.06	442463 7.61
860	Boulder Creek	19	ALEXANDER DAWSON	1531	Grasslands Prairie	49082 2.05	443396 2.68
861	St Vrain Creek	90	GOLDEN-FREDSTROM	1543	Grasslands Prairie	48519 9.98	444743 4.42
862	South St Vrain Creek	65	HALL RANCH 2	1684	Grasslands Prairie	47461 8.41	445025 1.58
863	South Boulder Creek	53	WALKER RANCH	2047	Lower Montane	47138 5.31	442145 1.65

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
864	South St Vrain Creek	65	HALL RANCH 2	1683	Grasslands Prairie	47442 0.12	445021 0.04
865	South St Vrain Creek	72	HALL RANCH	1645	Grasslands Prairie	47656 1.77	445177 3.23
866	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	49450 4.95	444463 0.60
867	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	49258 0.19	443505 2.72
868	Boulder Creek	22	ALEXANDER DAWSON	1526	Grasslands Prairie	49169 0.03	443443 3.11
869	Left Hand Creek	38	BREWBAKER- SORENSSON	1641	Grasslands Prairie	47818 6.22	444045 9.85
870	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2309	Lower Montane	46334 5.18	442648 1.64
871	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2294	Lower Montane	46411 7.92	442681 2.47
872	St Vrain Creek	80	WESTERN MOBILE	1576	Grasslands Prairie	48141 5.11	445005 7.85
873	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	49212 6.78	443461 6.51
874	South Boulder Creek	50	BLM-SOUTH BOULDER CREEK	1902	Lower Montane	47380 6.33	442013 3.96
875	South Boulder Creek	57	WALKER RANCH	1973	Lower Montane	47271 5.34	442118 5.19
876	Boulder Creek	24	ALEXANDER DAWSON	1522	Grasslands Prairie	49245 7.57	443492 2.39
877	Boulder Creek	21	ALEXANDER DAWSON	1528	Grasslands Prairie	49136 9.67	443435 5.70
878	Boulder Creek	28	BAILEY-KENOSHA PONDS	1515	Grasslands Prairie	49397 5.06	443602 2.92
879	South Boulder Creek	54	WALKER RANCH	2026	Lower Montane	47151 0.15	442089 3.36

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
880	St Vrain Creek	92	GOLDEN-FREDSTROM	1538	Grasslands Prairie	48580 8.09	444720 5.52
881	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2338	Lower Montane	46232 0.21	442627 1.06
882	South St Vrain Creek	68	HALL RANCH 2	1665	Grasslands Prairie	47507 2.39	445079 1.37
883	Left Hand Creek	34	STEEN	2249	Lower Montane	46566 9.45	443614 8.82
884	South Boulder Creek	57	WALKER RANCH	1984	Lower Montane	47260 5.68	442119 1.90
885	Left Hand Creek	42	IMEL	1552	Grasslands Prairie	48393 6.96	444065 2.94
886	Boulder Creek	26	DONIPHAN	1517	Grasslands Prairie	49329 1.14	443577 3.88
887	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	48085 5.01	445069 7.82
888	Left Hand Creek	38	BREWBAKER- SORENSSON	1634	Grasslands Prairie	47849 9.50	444036 0.58
889	St Vrain Creek	88	PELLA CROSSING	1549	Grasslands Prairie	48421 8.74	444795 7.93
890	Left Hand Creek	35	STEEN	2222	Lower Montane	46605 3.32	443614 0.56
891	South Boulder Creek	57	WALKER RANCH	1973	Lower Montane	47296 8.40	442121 4.24
892	Boulder Creek	24	ALEXANDER DAWSON	1521	Grasslands Prairie	49265 3.72	443512 5.43
893	Left Hand Creek	45	PECK	1523	Grasslands Prairie	48857 7.87	444234 2.22
894	St Vrain Creek	81	BRALY	1571	Grasslands Prairie	48201 0.49	444973 1.51
895	South Boulder Creek	54	WALKER RANCH	2025	Lower Montane	47144 6.92	442102 7.78

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
896	St Vrain Creek	95	KEYES	1494	Grasslands Prairie	49471 2.50	444469 3.41
897	Left Hand Creek	39	BREWBAKER- SORENSSON	1634	Grasslands Prairie	47858 1.42	444029 9.18
898	St Vrain Creek	79	WESTERN MOBILE	1578	Grasslands Prairie	48136 7.54	445026 8.35
899	Boulder Creek	17	BETASSO PRESERVE	1807	Lower Montane Ecotone	47118 0.62	442840 2.90
900	South Boulder Creek	51	BLM-SOUTH BOULDER CREEK	2058	Lower Montane	47076 0.78	442092 4.99
901	South Boulder Creek	54	WALKER RANCH	2011	Lower Montane	47184 0.75	442116 5.73
902	St Vrain Creek	82	RAMEY	1566	Grasslands Prairie	48234 7.14	444945 2.35
903	Boulder Creek	20	ALEXANDER DAWSON	1529	Grasslands Prairie	49096 9.61	443419 3.42
904	Middle St Vrain Creek	46	RANDOLPH PRATT	2430	Upper Montane Ecotone	45980 5.14	444394 2.53
905	St Vrain Creek	85	GAGE	1558	Grasslands Prairie	48325 3.68	444864 8.94
906	Boulder Creek	14	BOULDER FALLS	2146	Lower Montane	46497 5.37	442811 7.85
907	South Boulder Creek	53	WALKER RANCH	2041	Lower Montane	47122 6.91	442145 8.64
908	Boulder Creek	26	DONIPHAN	1519	Grasslands Prairie	49295 7.85	443556 5.52
909	Boulder Creek	11	PLATT-ROGERS MEMORIAL PARK	2292	Lower Montane	46425 2.52	442690 6.17
910	St Vrain Creek	86	GAGE	1555	Grasslands Prairie	48357 6.08	444854 6.57
911	Left Hand Creek	34	STEEN	2252	Lower Montane	46562 3.71	443614 2.98

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
912	St Vrain Creek	79	WESTERN MOBILE	1577	Grasslands Prairie	48140 0.78	445021 9.42
913	Boulder Creek	26	DONIPHAN	1519	Grasslands Prairie	49300 3.98	443564 1.44
914	Left Hand Creek	37	ANDERSON-BUTZEL HILL	2116	Lower Montane	46800 6.94	443677 2.48
915	South St Vrain Creek	67	HALL RANCH 2	1668	Grasslands Prairie	47499 8.77	445070 3.43
916	St Vrain Creek	75	BULLOCK	1600	Grasslands Prairie	47923 3.83	445120 9.70
917	Boulder Creek	20	ALEXANDER DAWSON	1529	Grasslands Prairie	49114 1.07	443434 1.75
918	Boulder Creek	10	PLATT-ROGERS MEMORIAL PARK	2294	Lower Montane	46403 5.49	442678 2.46
919	St Vrain Creek	80	WESTERN MOBILE	1575	Grasslands Prairie	48154 5.32	444991 3.91
920	Boulder Creek	9	PLATT-ROGERS MEMORIAL PARK	2306	Lower Montane	46341 2.53	442653 9.15
921	Left Hand Creek	41	IMEL	1558	Grasslands Prairie	48344 4.70	444035 1.01
922	Boulder Creek	32	ROGERS	2426	Upper Montane Ecotone	45973 3.62	442469 8.11
923	Left Hand Creek	39	BREWBAKER- SORENSSON	1632	Grasslands Prairie	47871 7.80	444016 7.39
924	St Vrain Creek	79	WESTERN MOBILE	1579	Grasslands Prairie	48134 9.40	445029 2.83
925	Left Hand Creek	38	BREWBAKER- SORENSSON	1636	Grasslands Prairie	47837 7.83	444039 7.83
926	Left Hand Creek	44	RUSSELL-ANDERSON- SCHMIDT	1525	Grasslands Prairie	48829 3.45	444215 4.92
927	St Vrain Creek	76	WALLACE	1594	Grasslands Prairie	47985 8.50	445121 5.32

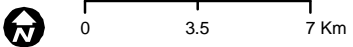
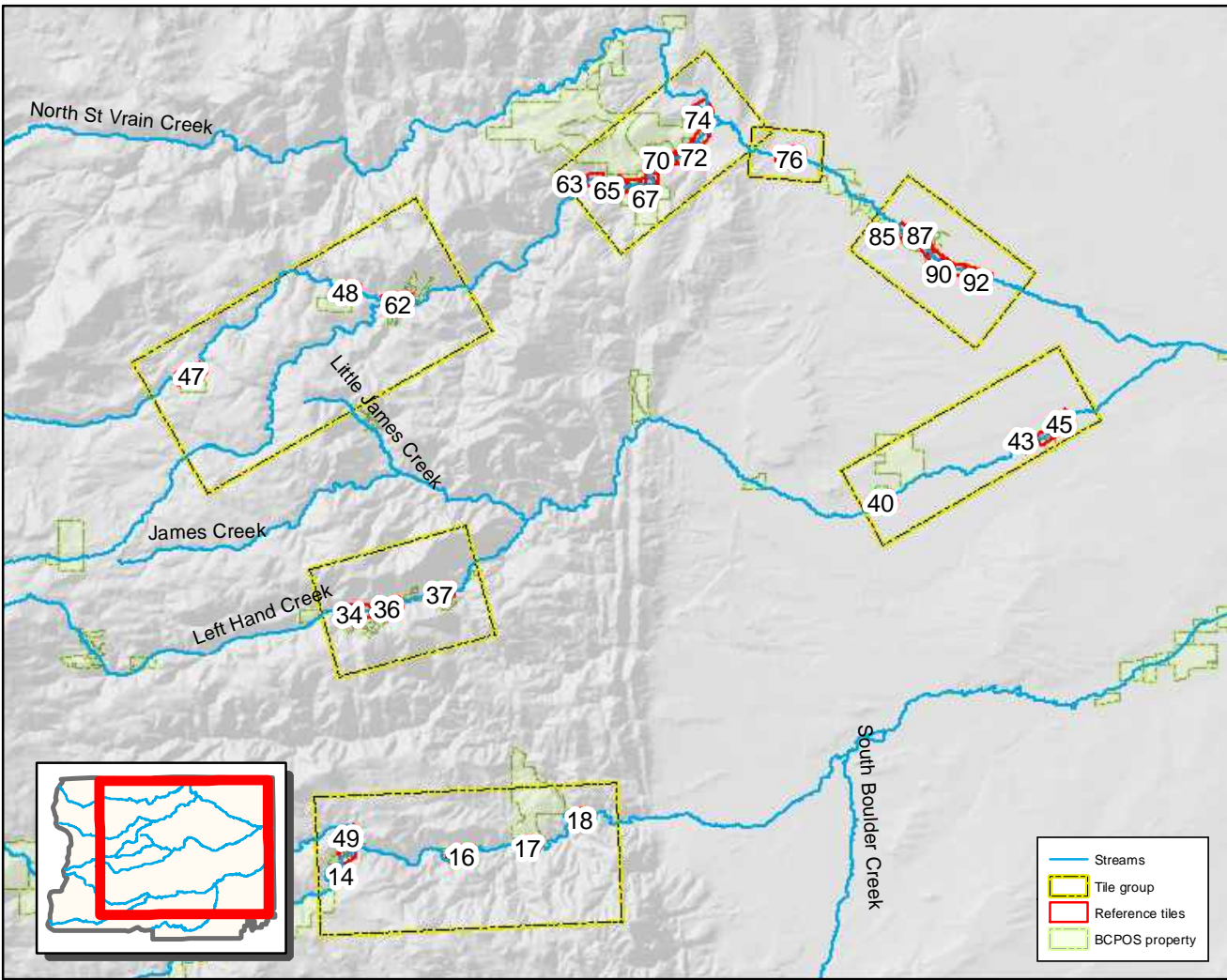
RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
928	St Vrain Creek	77	MONTGOMERY	1587	Grasslands Prairie	48048 1.28	445088 5.79
929	St Vrain Creek	90	GOLDEN-FREDSTROM	1543	Grasslands Prairie	48509 6.35	444742 8.91
930	South Boulder Creek	53	WALKER RANCH	2046	Lower Montane	47104 6.77	442139 2.62
931	Boulder Creek	15	ADOR	1900	Lower Montane	46866 5.54	442816 7.19
932	South Boulder Creek	53	WALKER RANCH	2030	Lower Montane	47135 6.42	442118 9.78
933	Boulder Creek	25	ALEXANDER DAWSON	1521	Grasslands Prairie	49272 4.25	443520 4.25
934	St Vrain Creek	94	KEYES	1495	Grasslands Prairie	49432 2.38	444467 4.28
935	St Vrain Creek	78	MONTGOMERY	1585	Grasslands Prairie	48078 5.22	445075 0.01
936	Boulder Creek	31	ROGERS	2432	Upper Montane Ecotone	45946 5.59	442471 7.89
937	St Vrain Creek	91	GOLDEN-FREDSTROM	1541	Grasslands Prairie	48541 5.76	444733 5.71
938	Left Hand Creek	43	BIELINS-HOCK	1528	Grasslands Prairie	48784 0.64	444182 5.35
939	Boulder Creek	27	DONIPHAN	1516	Grasslands Prairie	49343 7.46	443578 5.25
940	South Boulder Creek	55	WALKER RANCH	2002	Lower Montane	47208 3.66	442101 5.06
941	St Vrain Creek	94	KEYES	1496	Grasslands Prairie	49406 3.43	444468 1.84
942	South Boulder Creek	56	WALKER RANCH	1987	Lower Montane	47248 6.31	442109 5.07
943	St Vrain Creek	77	MONTGOMERY	1589	Grasslands Prairie	48066 9.95	445084 2.07

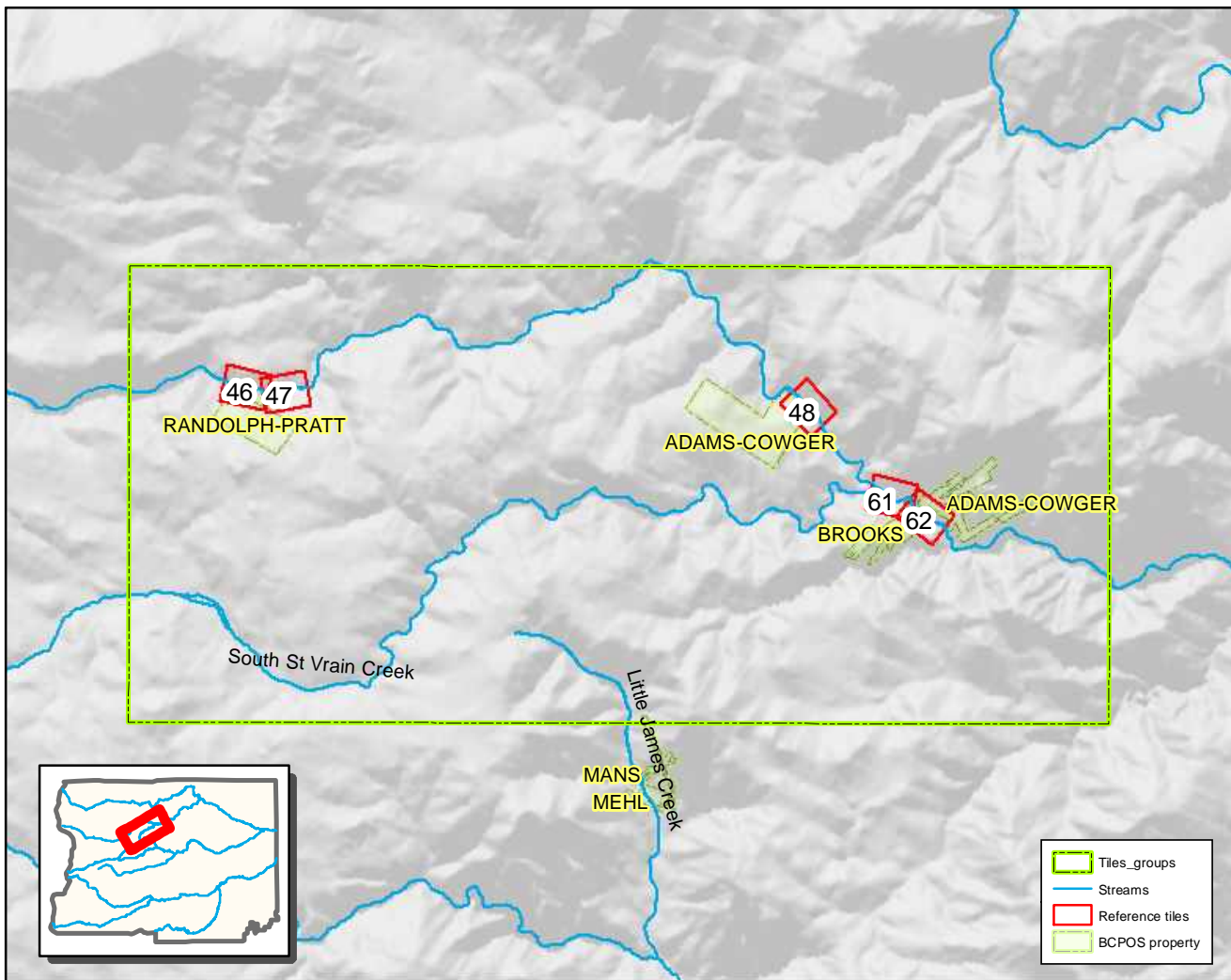
RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
944	Boulder Creek	31	ROGERS	2432	Upper Montane Ecotone	45949 2.96	442470 8.60
945	South Boulder Creek	52	WALKER RANCH	2049	Lower Montane	47085 6.39	442113 1.65
946	North Boulder Creek	49	LAWRENCE	2206	Lower Montane	46497 5.51	442868 7.63
947	South Boulder Creek	54	WALKER RANCH	2016	Lower Montane	47177 2.88	442101 6.81
948	South Boulder Creek	52	WALKER RANCH	2047	Lower Montane	47095 4.73	442128 0.40
949	St Vrain Creek	88	PELLA CROSSING	1548	Grasslands Prairie	48425 1.72	444786 3.29
950	St Vrain Creek	95	KEYES	1495	Grasslands Prairie	49447 7.55	444463 3.80
951	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2393	Upper Montane Ecotone	46069 6.78	442529 6.00
952	St Vrain Creek	93	GOLDEN FARM	1497	Grasslands Prairie	49372 8.51	444472 6.38
953	Boulder Creek	22	ALEXANDER DAWSON	1525	Grasslands Prairie	49195 5.66	443452 9.12
954	Boulder Creek	12	PLATT-ROGERS MEMORIAL PARK	2278	Lower Montane	46442 1.38	442713 3.74
955	Boulder Creek	22	ALEXANDER DAWSON	1525	Grasslands Prairie	49200 4.58	443455 9.31
956	St Vrain Creek	91	GOLDEN-FREDSTROM	1539	Grasslands Prairie	48565 6.00	444725 2.08
957	Boulder Creek	21	ALEXANDER DAWSON	1527	Grasslands Prairie	49149 7.76	443437 6.30
958	South Boulder Creek	58	WALKER RANCH	1954	Lower Montane	47313 3.07	442123 7.69
959	Boulder Creek	26	DONIPHAN	1519	Grasslands Prairie	49303 4.62	443567 1.73

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
960	St Vrain Creek	78	WESTERN MOBILE	1584	Grasslands Prairie	48104 6.61	445063 2.75
961	South Boulder Creek	58	WALKER RANCH	1951	Lower Montane	47315 7.05	442116 7.47
962	South St Vrain Creek	66	HALL RANCH 2	1674	Grasslands Prairie	47501 4.50	445024 9.34
963	St Vrain Creek	85	GAGE	1558	Grasslands Prairie	48322 0.43	444869 7.87
964	South Boulder Creek	57	WALKER RANCH	1977	Lower Montane	47271 2.20	442116 9.97
965	St Vrain Creek	91	GOLDEN-FREDSTROM	1540	Grasslands Prairie	48548 8.76	444731 3.97
966	Middle St Vrain Creek	46	RANDOLPH PRATT	2434	Upper Montane Ecotone	45971 6.80	444394 6.08
967	South St Vrain Creek	65	HALL RANCH 2	1687	Grasslands Prairie	47457 5.77	445025 4.86
968	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	49205 6.57	443459 2.53
969	Left Hand Creek	41	IMEL	1559	Grasslands Prairie	48339 5.54	444027 8.16
970	St Vrain Creek	77	MONTGOMERY	1588	Grasslands Prairie	48071 5.45	445080 5.25
971	St Vrain Creek	82	RAMEY	1567	Grasslands Prairie	48232 3.16	444952 2.56
972	Boulder Creek	4	PLATT-ROGERS MEMORIAL PARK	2354	Upper Montane Ecotone	46143 4.36	442587 6.88
973	Boulder Creek	26	DONIPHAN	1519	Grasslands Prairie	49301 3.17	443565 0.52
974	St Vrain Creek	80	BRALY	1574	Grasslands Prairie	48160 5.95	444985 8.72
975	Boulder Creek	13	PLATT-ROGERS MEMORIAL PARK	2250	Lower Montane	46434 7.67	442757 2.92

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
976	South Boulder Creek	53	WALKER RANCH	2042	Lower Montane	47131 5.36	442147 3.38
977	Boulder Creek	22	ALEXANDER DAWSON	1525	Grasslands Prairie	49188 8.44	443449 5.98
978	South Boulder Creek	54	WALKER RANCH	2022	Lower Montane	47159 5.34	442087 1.56
979	Boulder Creek	2	PLATT-ROGERS MEMORIAL PARK	2394	Upper Montane Ecotone	46064 1.80	442527 1.94
980	Boulder Creek	31	REYNOLDS RANCH	2438	Upper Montane Ecotone	45918 7.79	442462 5.00
981	St Vrain Creek	79	WESTERN MOBILE	1580	Grasslands Prairie	48131 9.71	445043 3.16
982	St Vrain Creek	80	BRALY	1574	Grasslands Prairie	48167 6.10	444987 0.51
983	Boulder Creek	23	ALEXANDER DAWSON	1524	Grasslands Prairie	49233 8.09	443480 7.28
984	St Vrain Creek	91	GOLDEN-FREDSTROM	1541	Grasslands Prairie	48547 3.55	444731 7.10
985	South St Vrain Creek	63	CUSTODE	1713	Lower Montane Ecotone	47320 2.31	445038 1.45
986	South Boulder Creek	50	BLM-SOUTH BOULDER CREEK	1902	Lower Montane	47376 1.04	442020 7.34
987	Left Hand Creek	38	BREWBAKER- SORENSSON	1637	Grasslands Prairie	47833 5.24	444041 0.26
988	Left Hand Creek	39	BREWBAKER- SORENSSON	1634	Grasslands Prairie	47853 8.80	444030 5.51
989	Left Hand Creek	45	PECK	1523	Grasslands Prairie	48862 6.81	444237 5.46
990	Boulder Creek	6	PLATT-ROGERS MEMORIAL PARK	2331	Lower Montane	46237 5.34	442632 2.55
991	St Vrain Creek	79	WESTERN MOBILE	1578	Grasslands Prairie	48137 6.61	445025 6.12

RQR 1id	NAME	Tile ID	PROP_NAME	Elev _m	ELEV_ZONE	UTMx	UTMy
992	South Boulder Creek	59	BLM-SOUTH BOULDER CREEK	1946	Lower Montane	47311 5.38	442080 2.08
993	South Boulder Creek	54	WALKER RANCH	2028	Lower Montane	47143 7.85	442104 0.02
994	South Boulder Creek	51	WALKER RANCH	2071	Lower Montane	47048 6.78	442096 6.14
995	Left Hand Creek	35	STEEN	2204	Lower Montane	46623 0.74	443626 4.49
996	St Vrain Creek	81	BRALY	1573	Grasslands Prairie	48174 5.72	444978 7.85
997	Boulder Creek	26	DONIPHAN	1518	Grasslands Prairie	49321 1.78	443574 9.95
998	St Vrain Creek	87	PELLA CROSSING	1549	Grasslands Prairie	48405 8.50	444818 1.26
999	South Boulder Creek	57	WALKER RANCH	1981	Lower Montane	47264 5.19	442117 3.40
1000	South Boulder Creek	55	WALKER RANCH	1999	Lower Montane	47205 5.74	442092 6.86





RANDOLPH-PRATT

ADAMS-COWGER

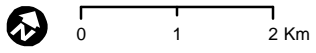
ADAMS-COWGER

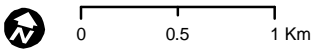
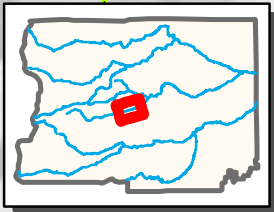
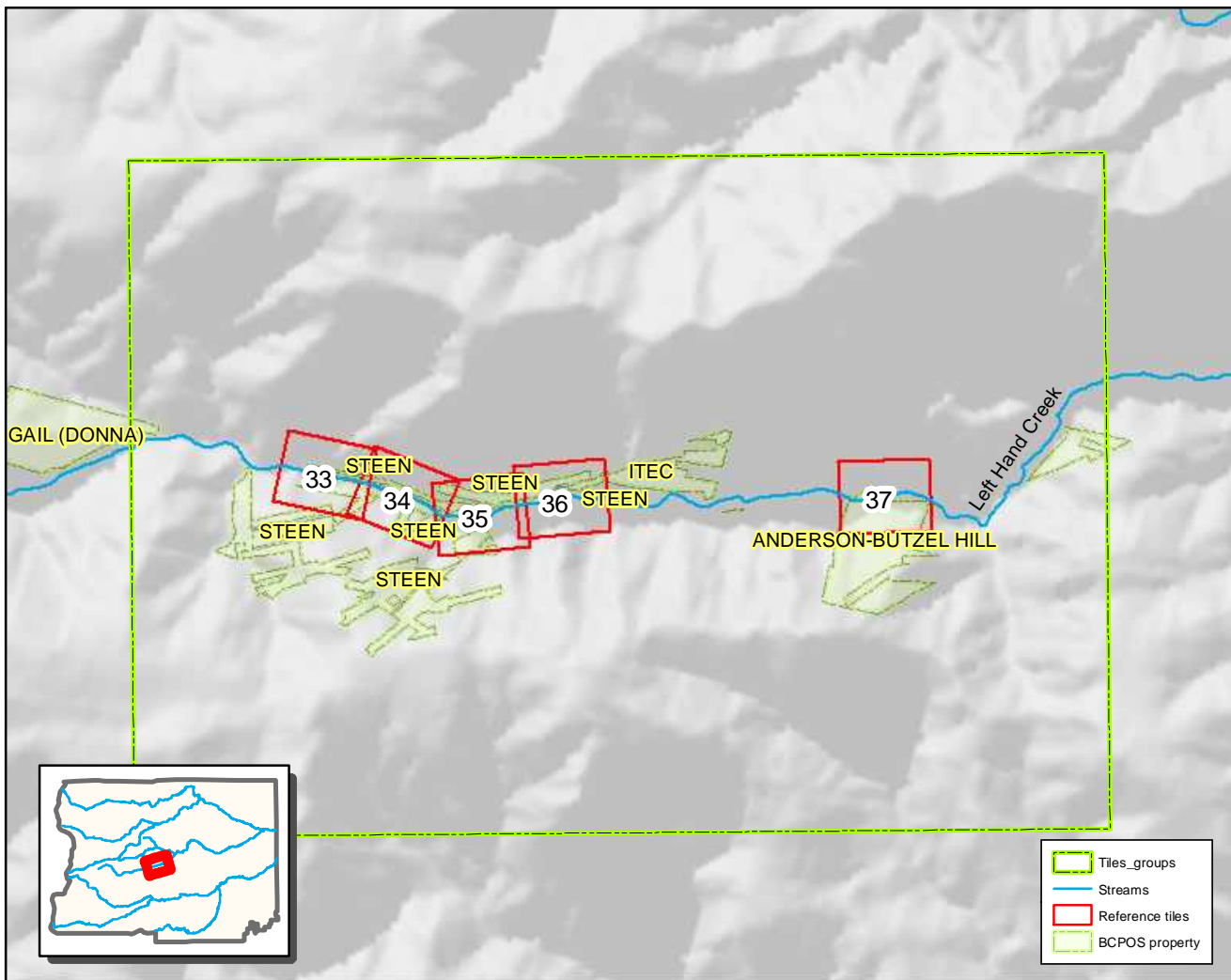
South St Vrain Creek

MANS
MEHL

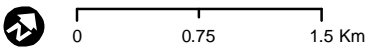
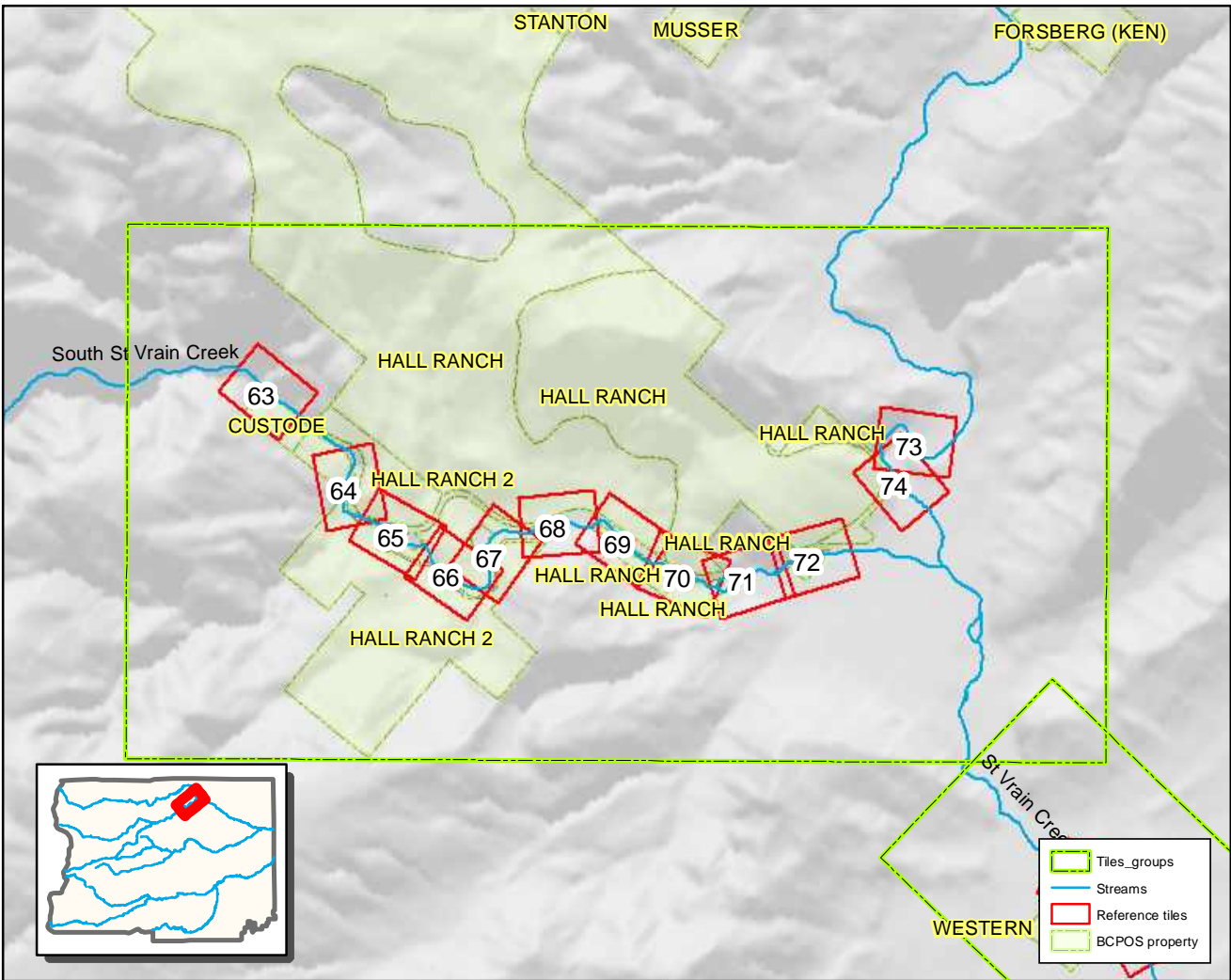
Little James Creek

- Tiles_groups
- Streams
- Reference tiles
- BCPOS property

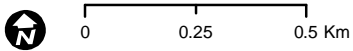
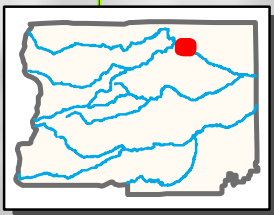
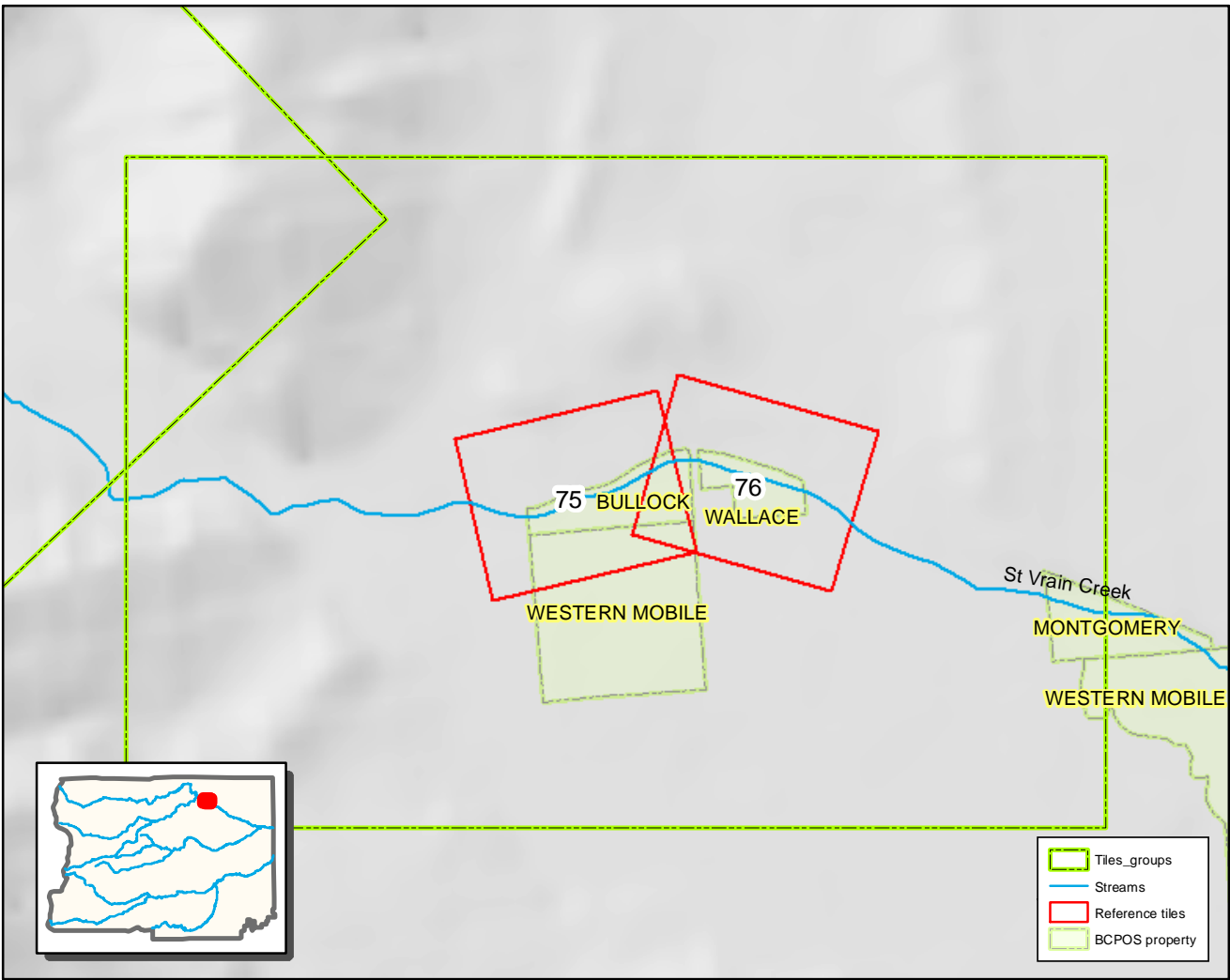


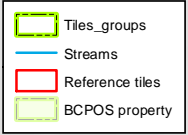
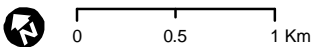
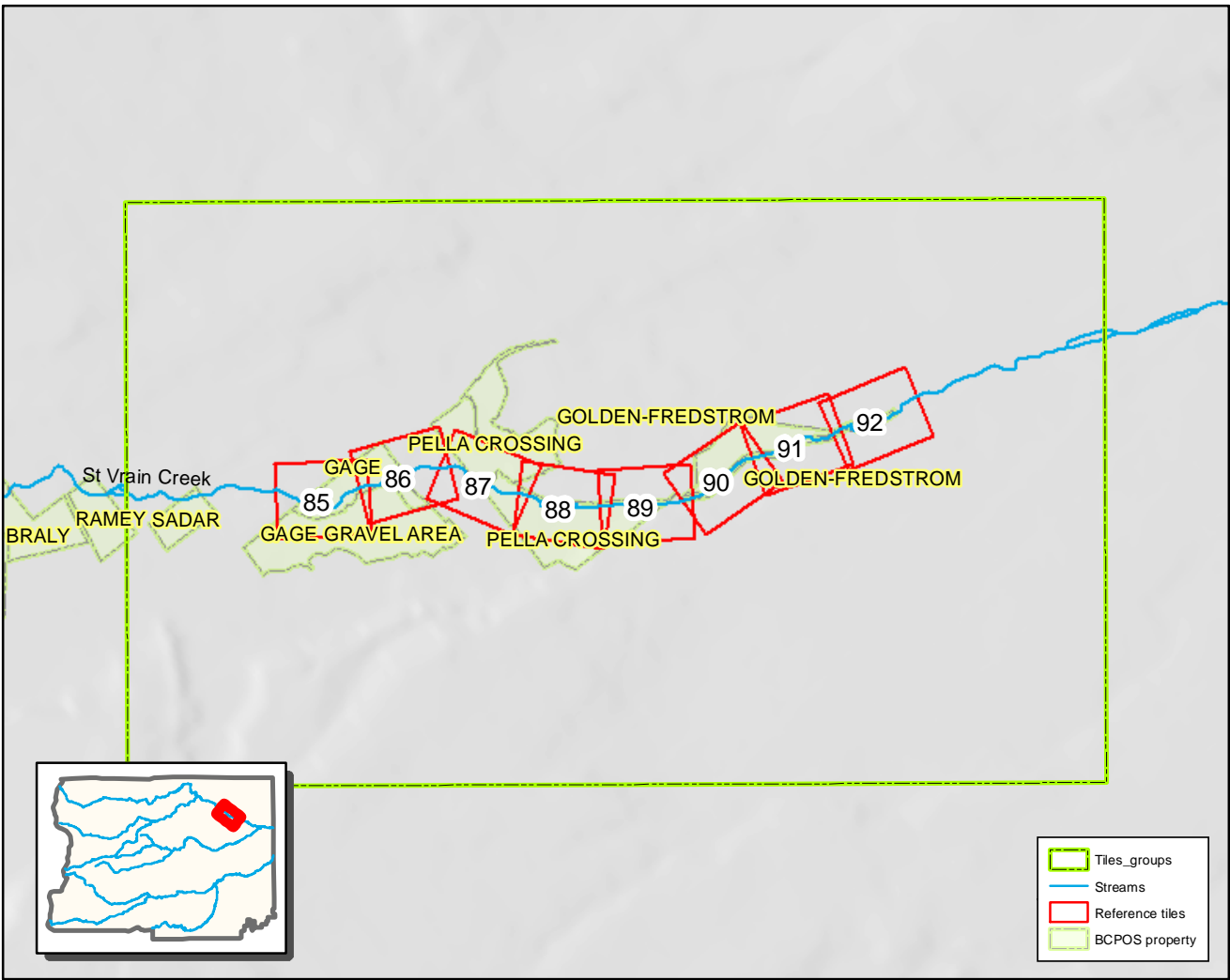


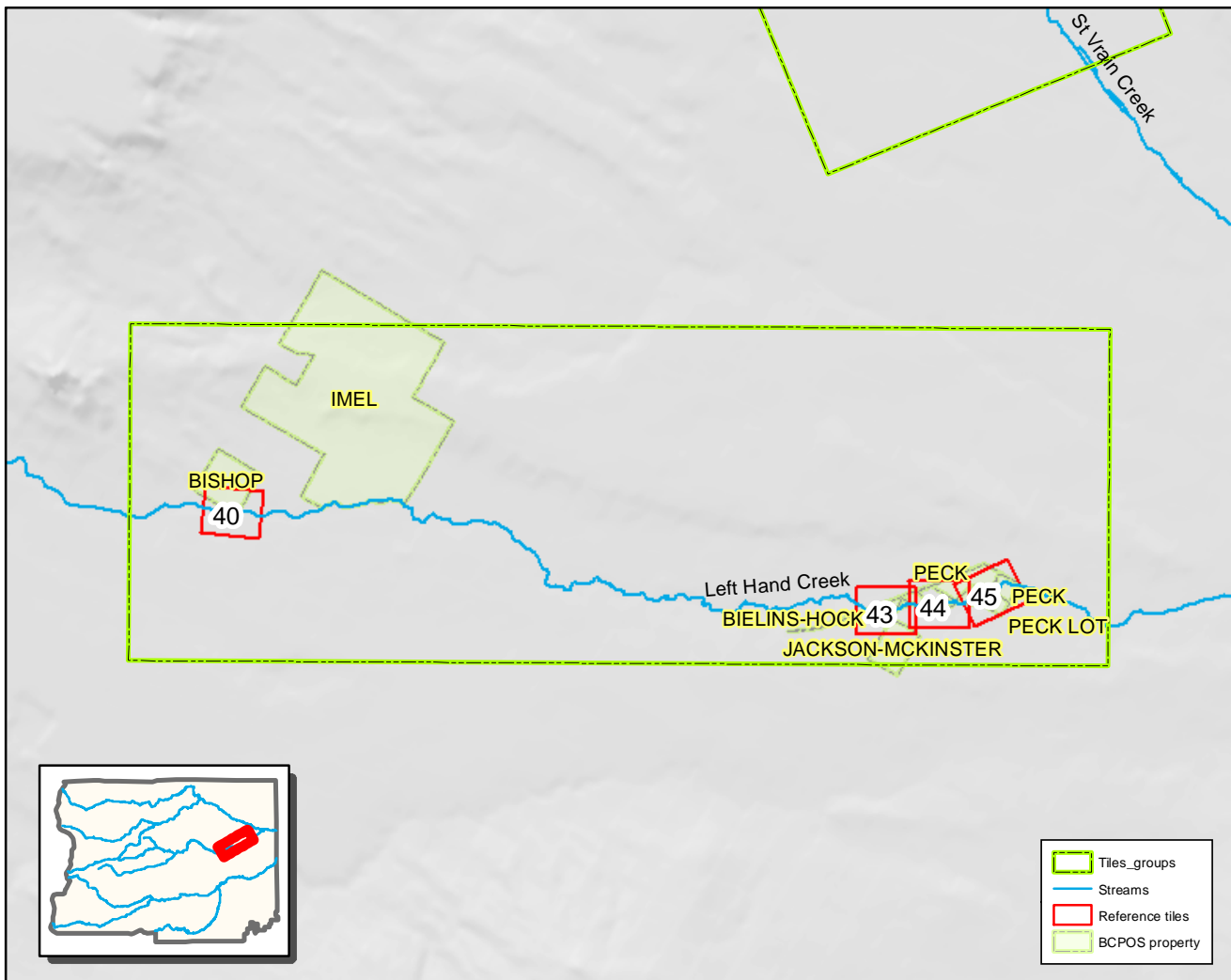
- Tiles_groups
- Streams
- Reference tiles
- BCPOS property



- Tiles_groups
- Streams
- Reference tiles
- BCPOS property







St. Vrain Creek

IMEL

BISHOP
40

Left Hand Creek

PECK

BIELINS-HOCK

43

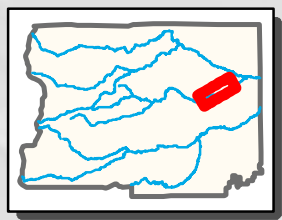
44

45

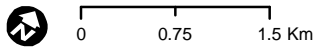
PECK

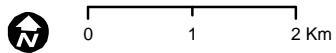
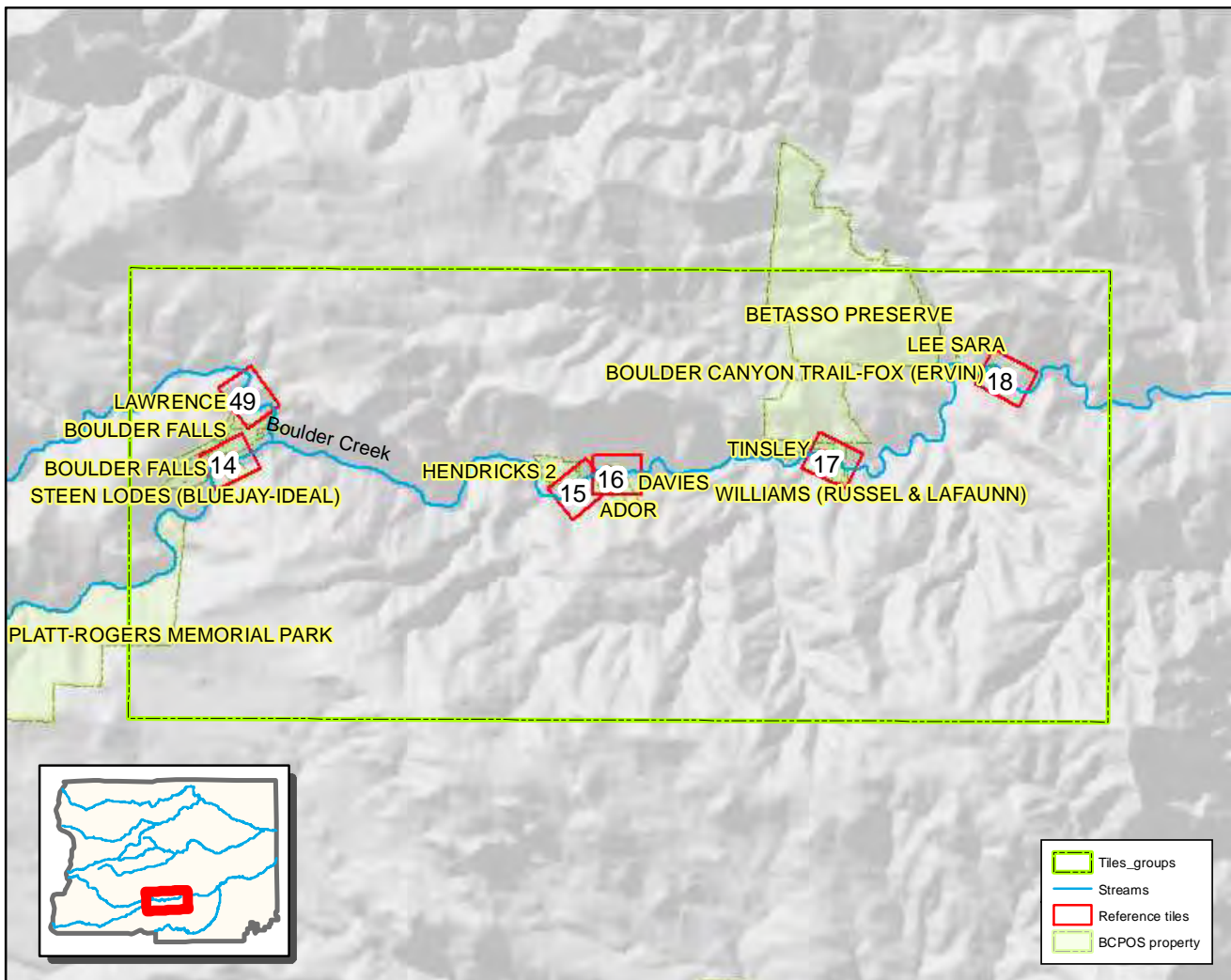
JACKSON-MCKINSTER

PECK LOT

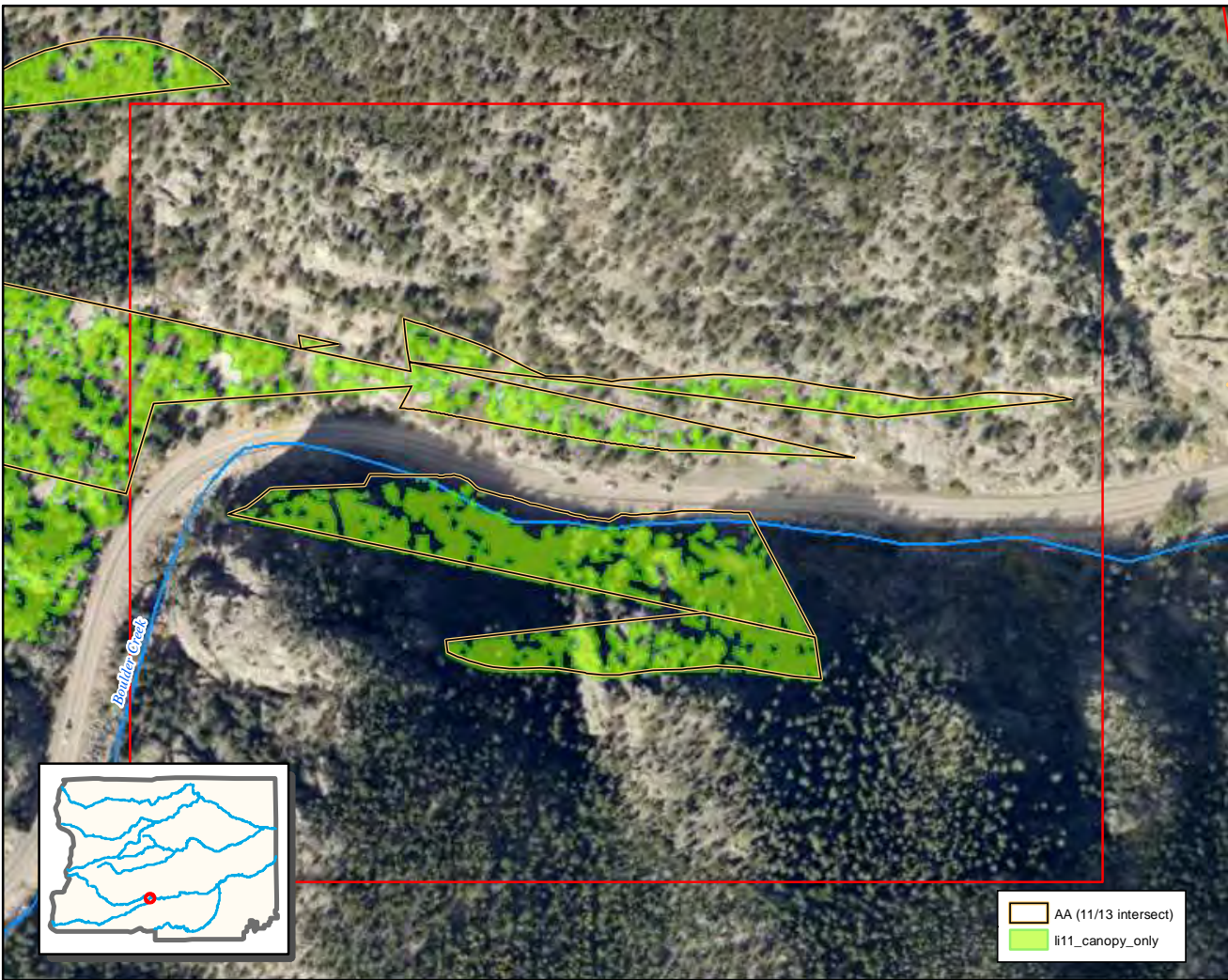


- Tiles_groups
- Streams
- Reference tiles
- BCPOS property





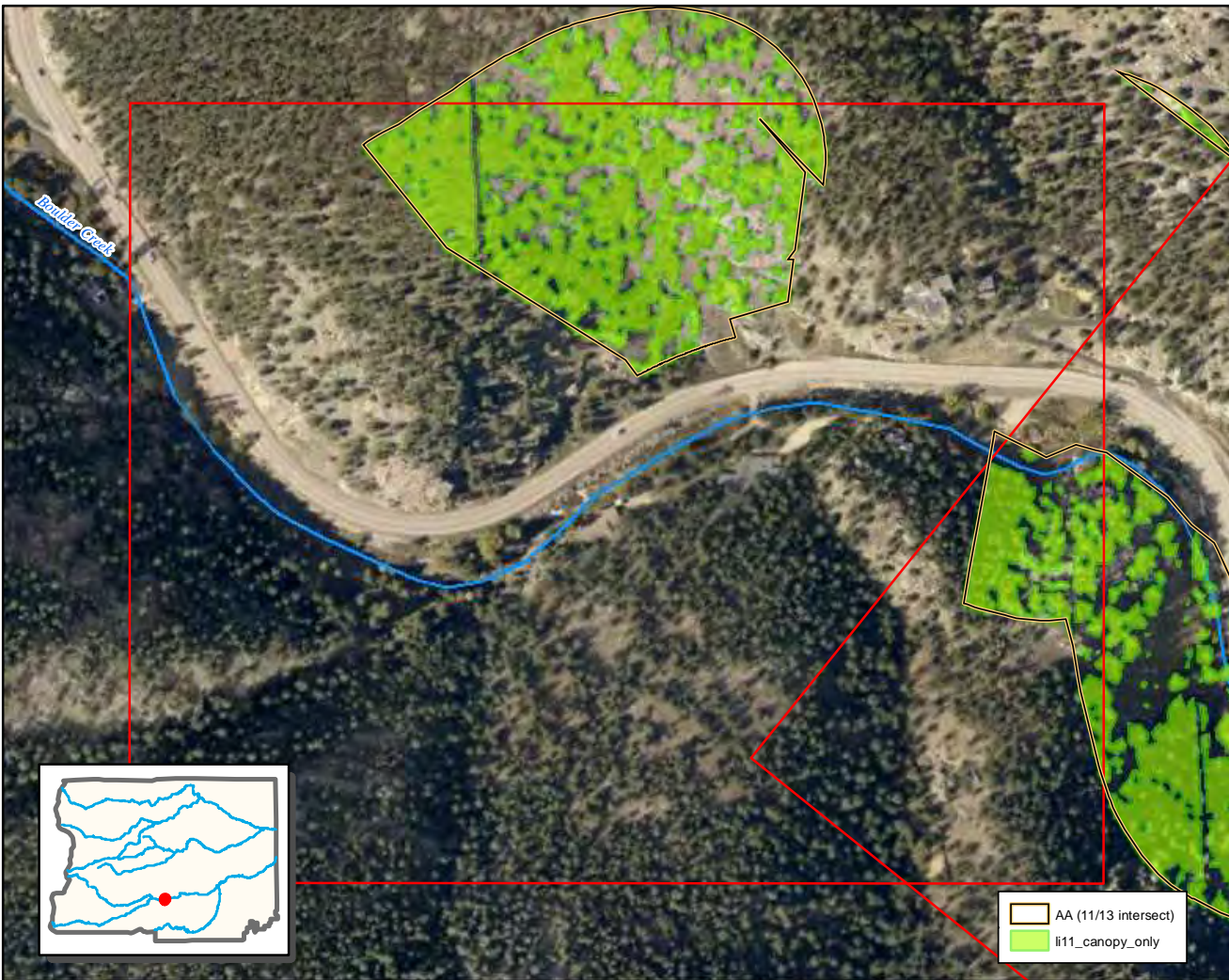
- Tiles_groups
- Streams
- Reference tiles
- BCPOS property



0 0.05 0.1 Km

Tree canopy: 2011

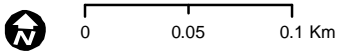
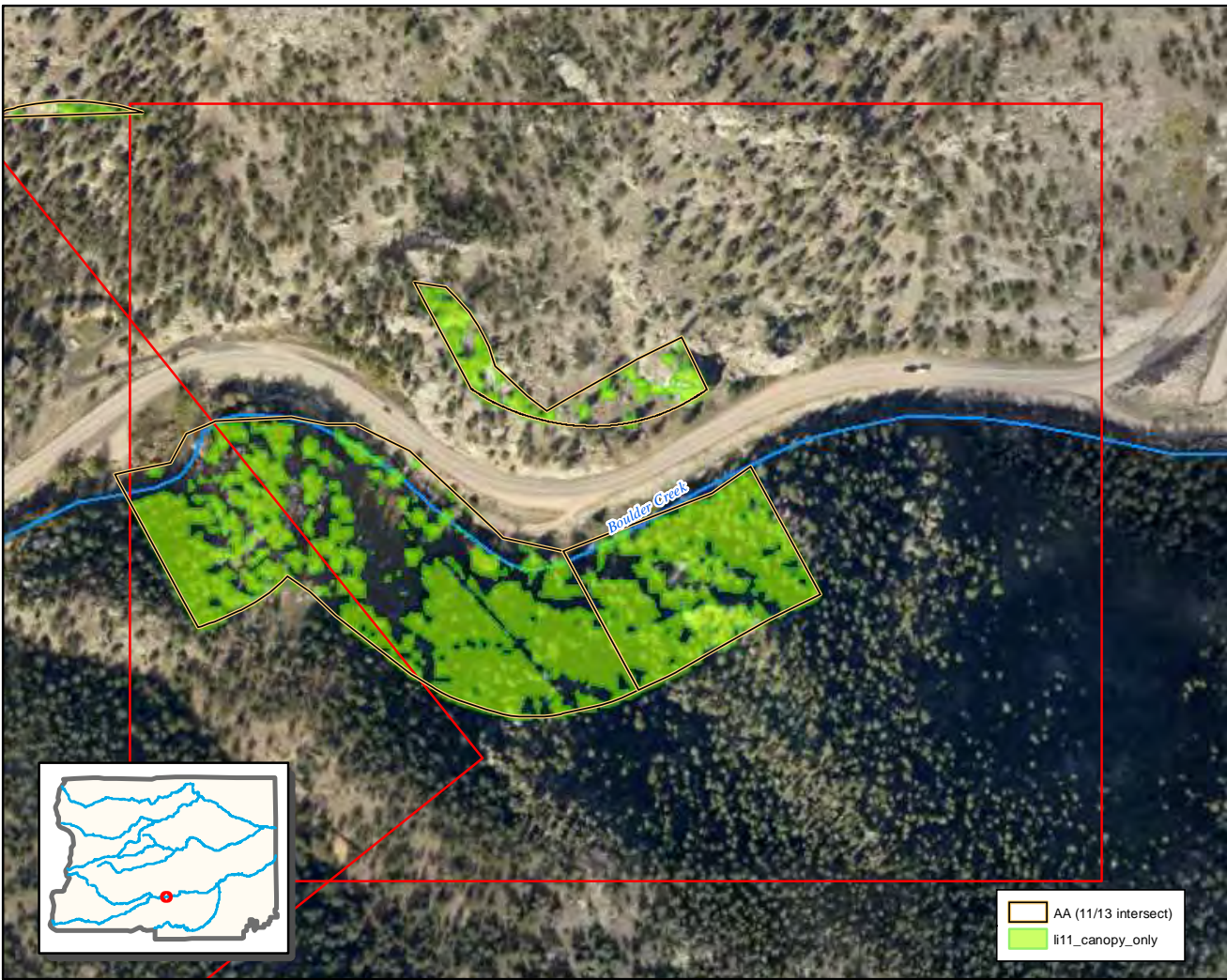
Tile 14



0 0.05 0.1 Km

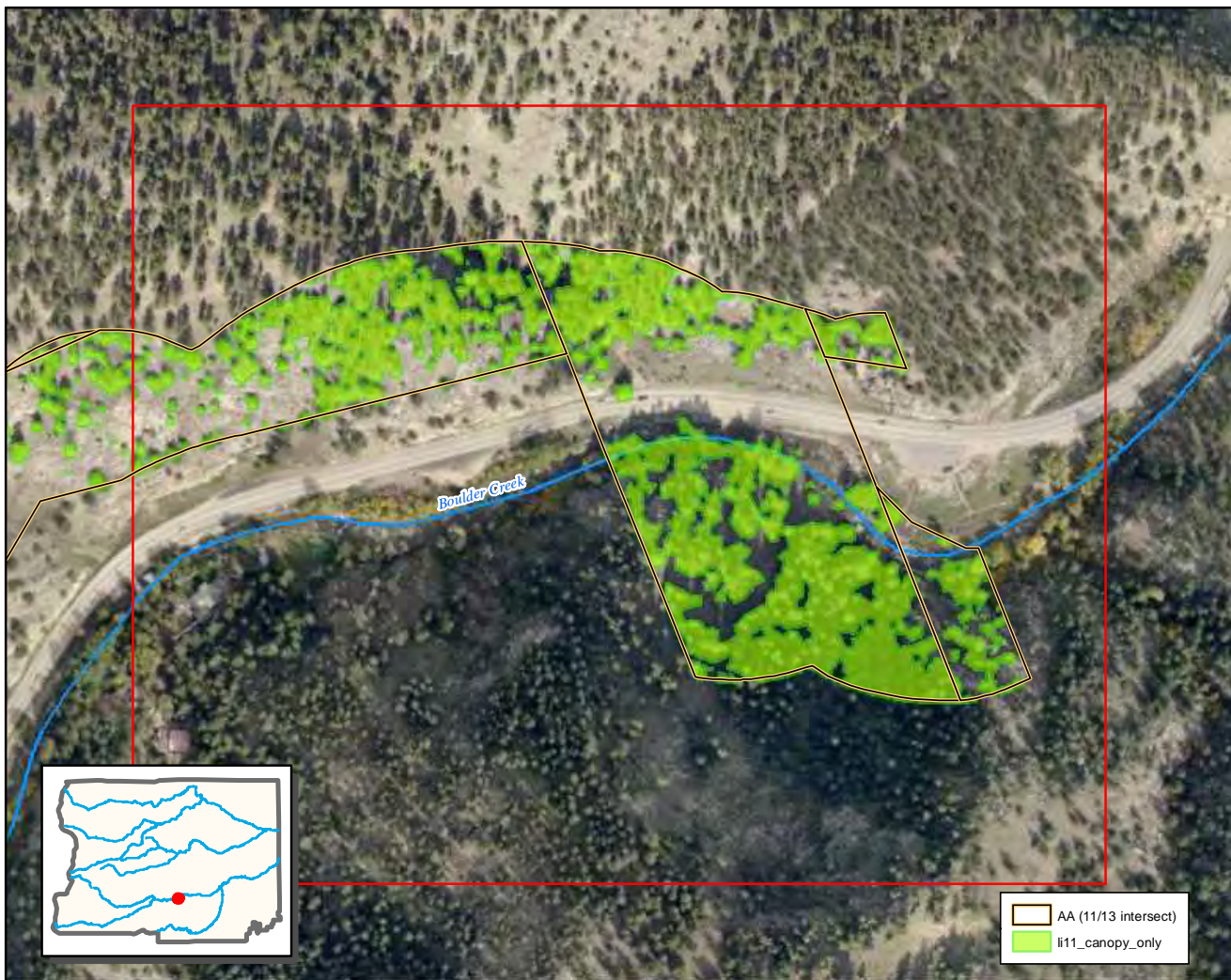
Tree canopy: 2011

Tile 15



Tree canopy: 2011

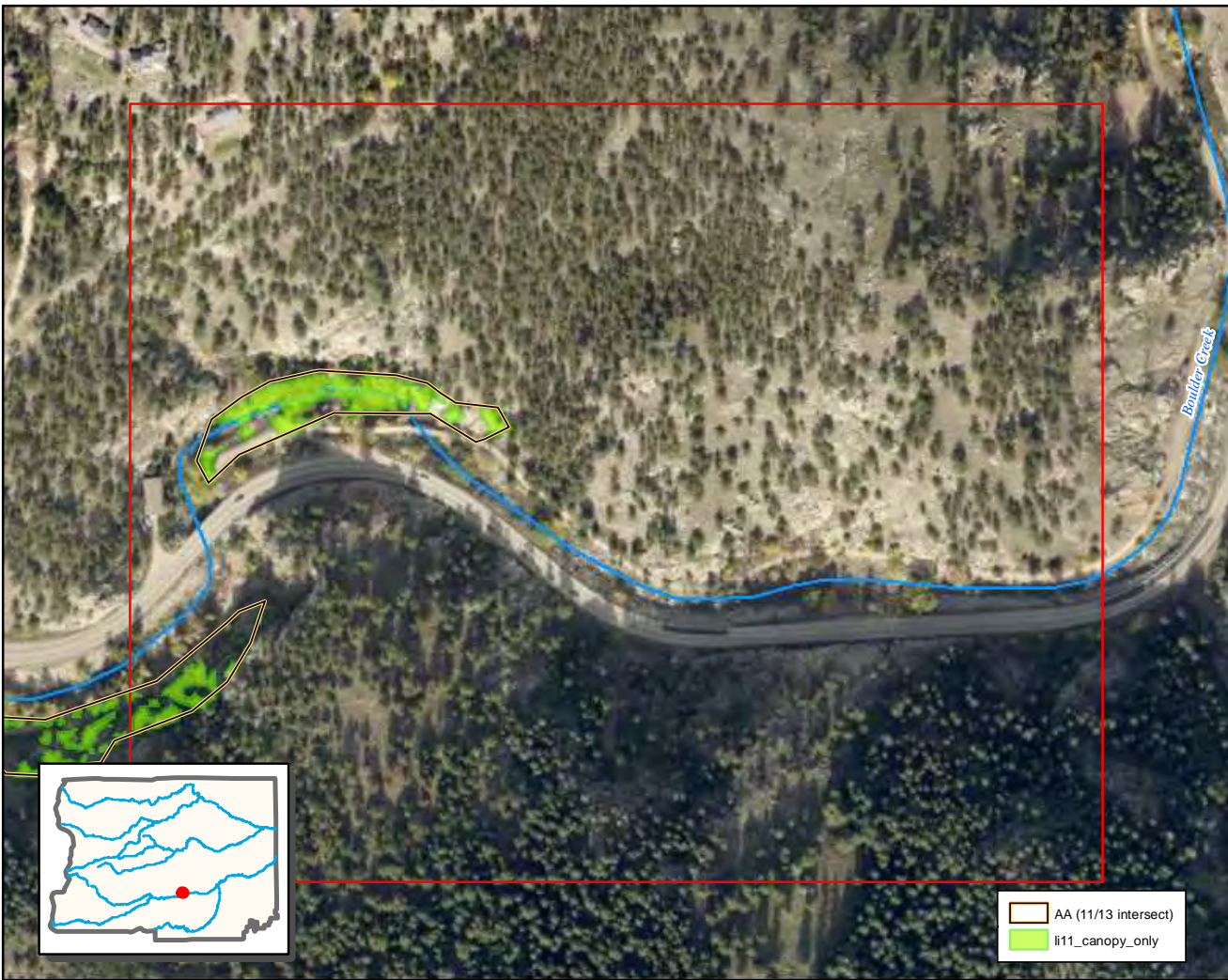
Tile 16

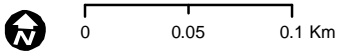
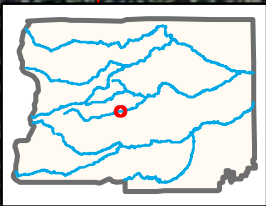
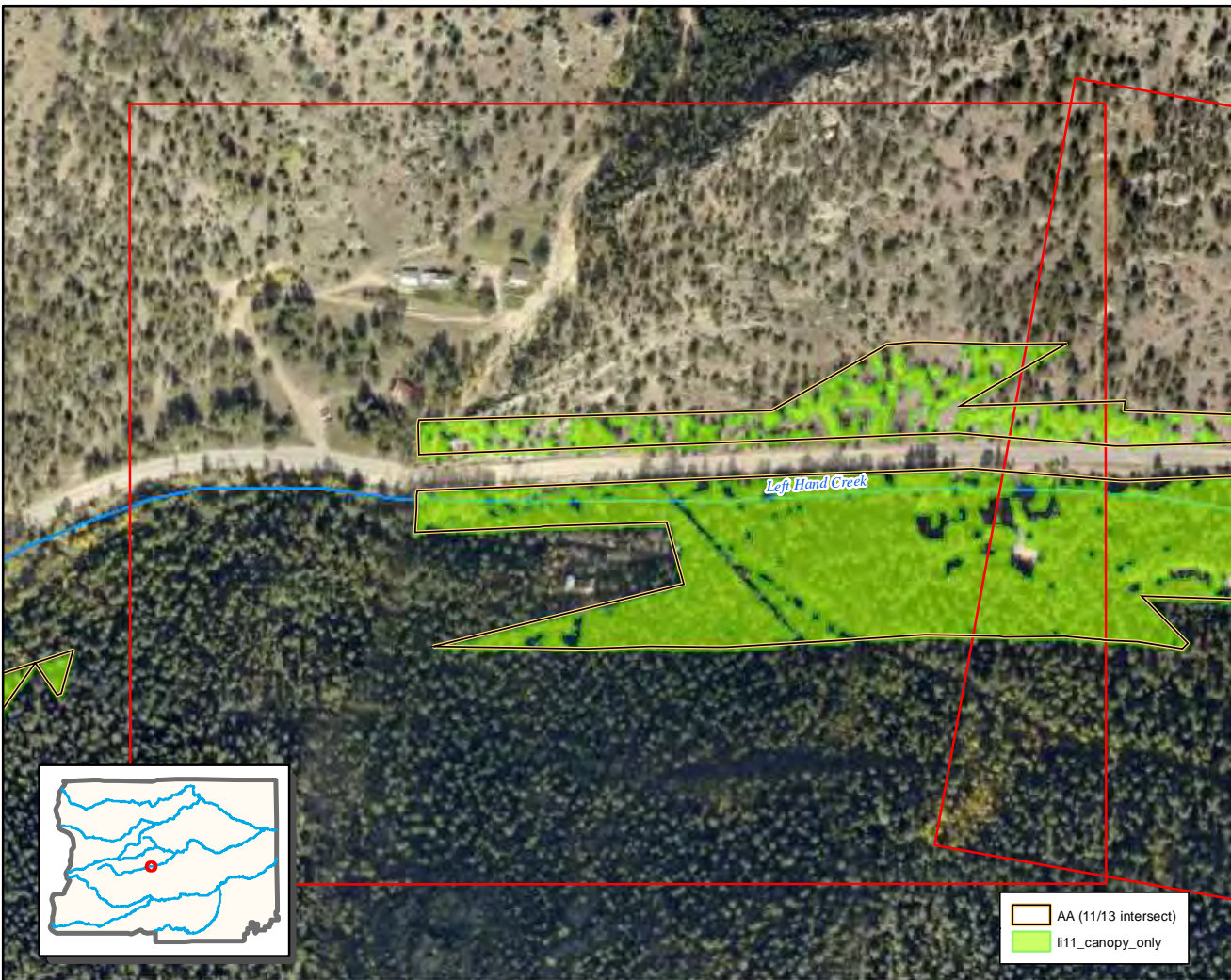


0 0.05 0.1 Km

Tree canopy: 2011

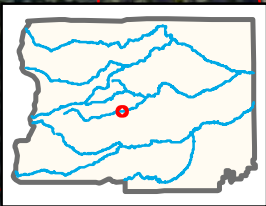
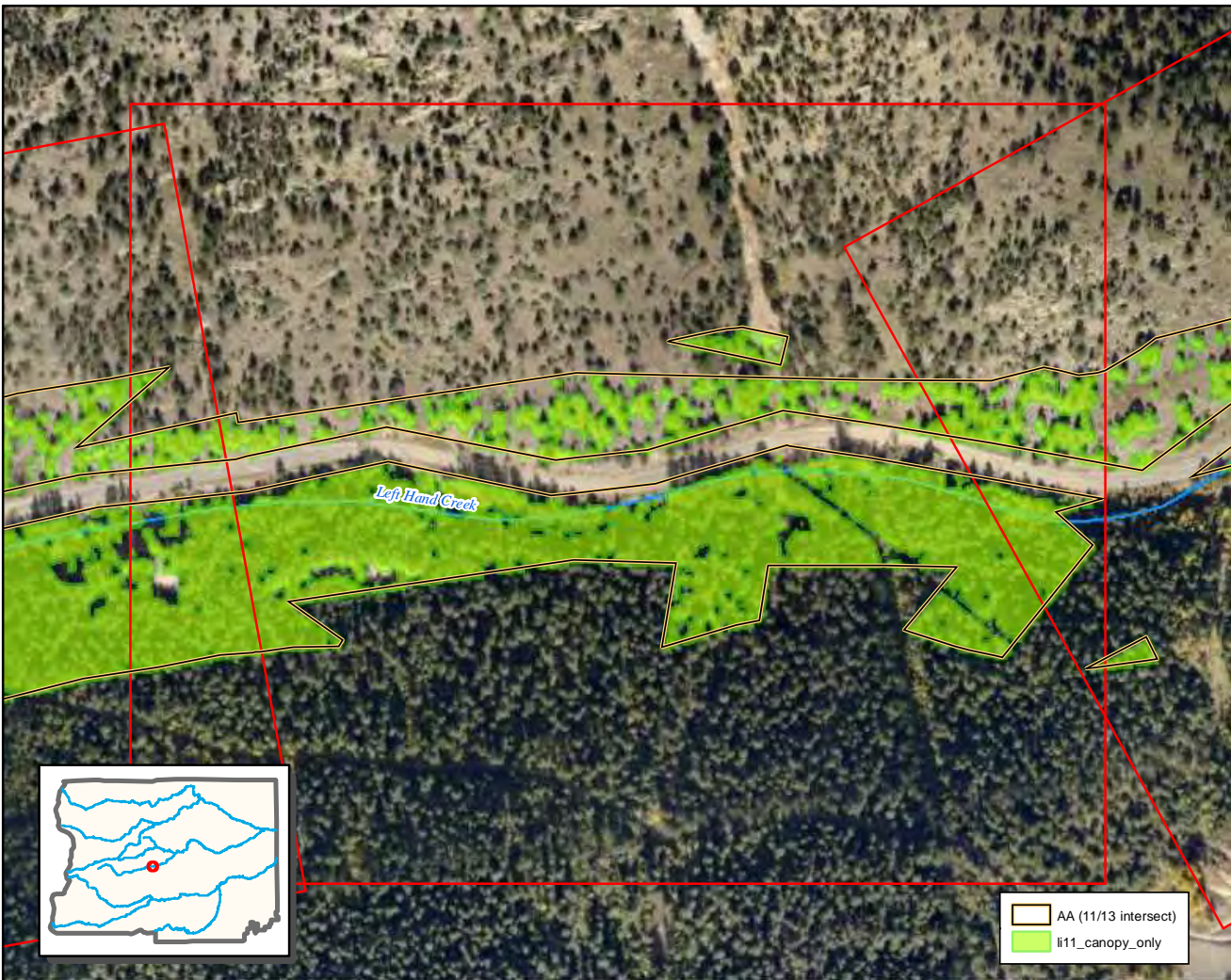
Tile 17





Tree canopy: 2011

Tile 33

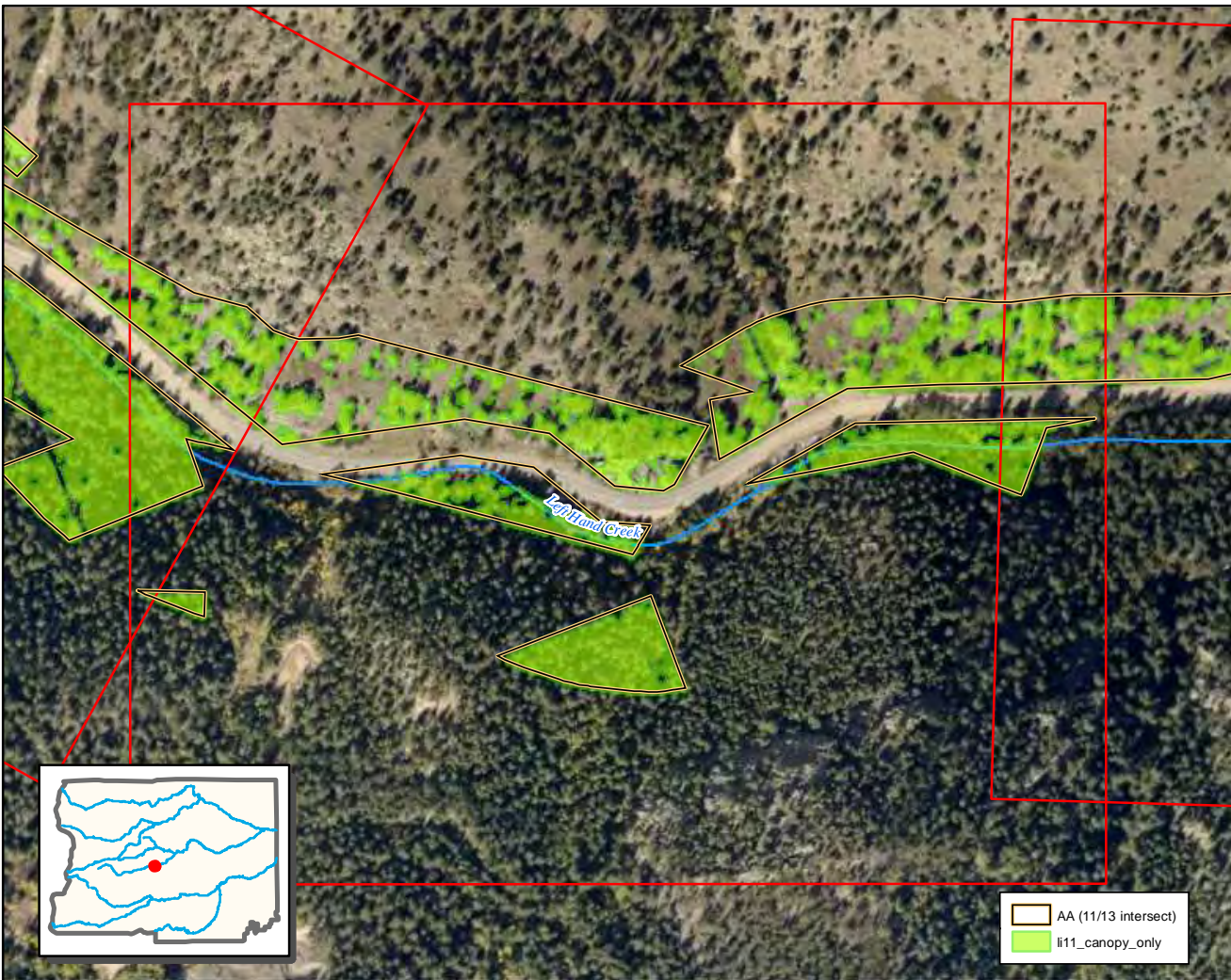


AA (11/13 intersect)
li11_canopy_only

0 0.05 0.1 Km

Tree canopy: 2011

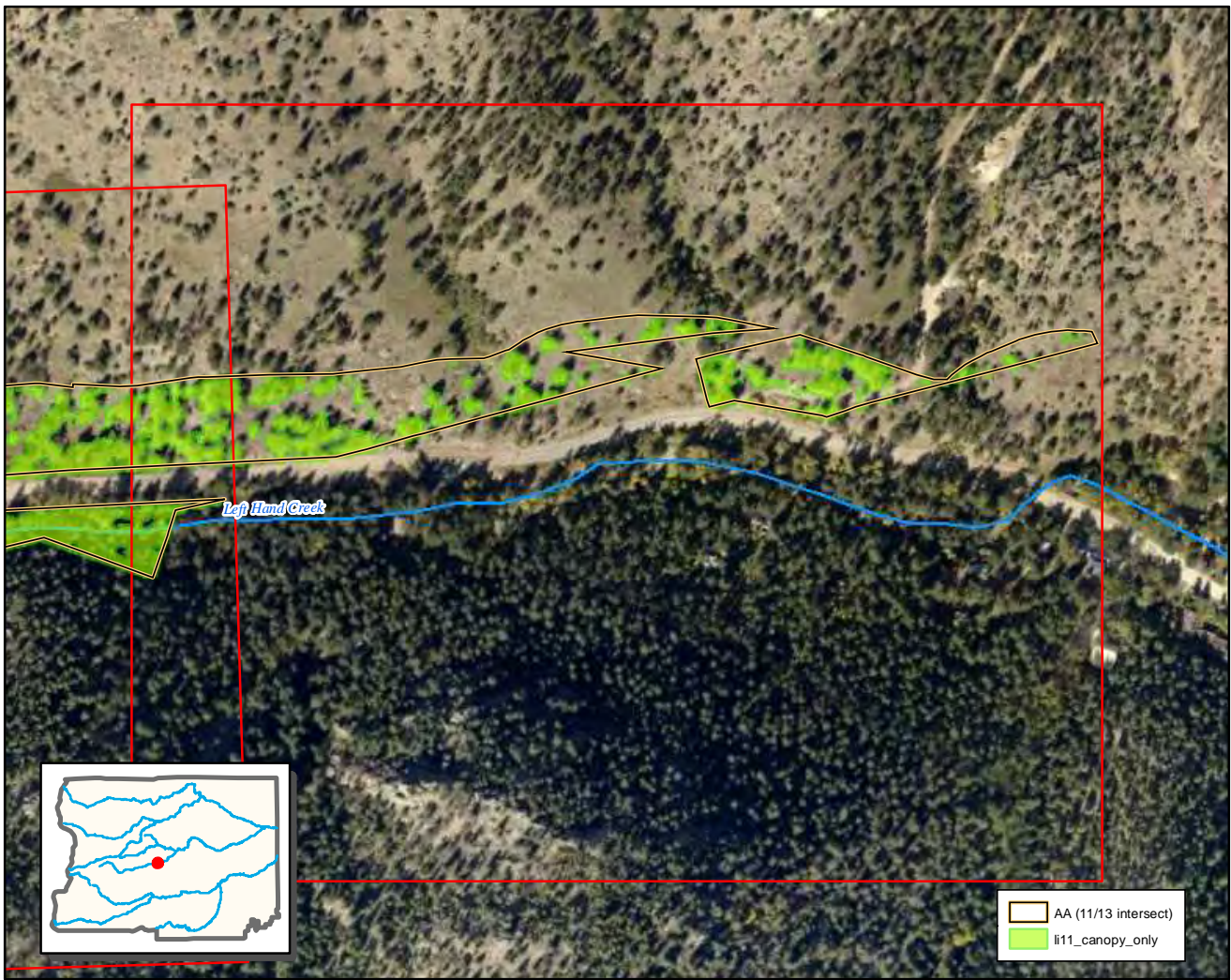
Tile 34



0 0.05 0.1 Km

Tree canopy: 2011

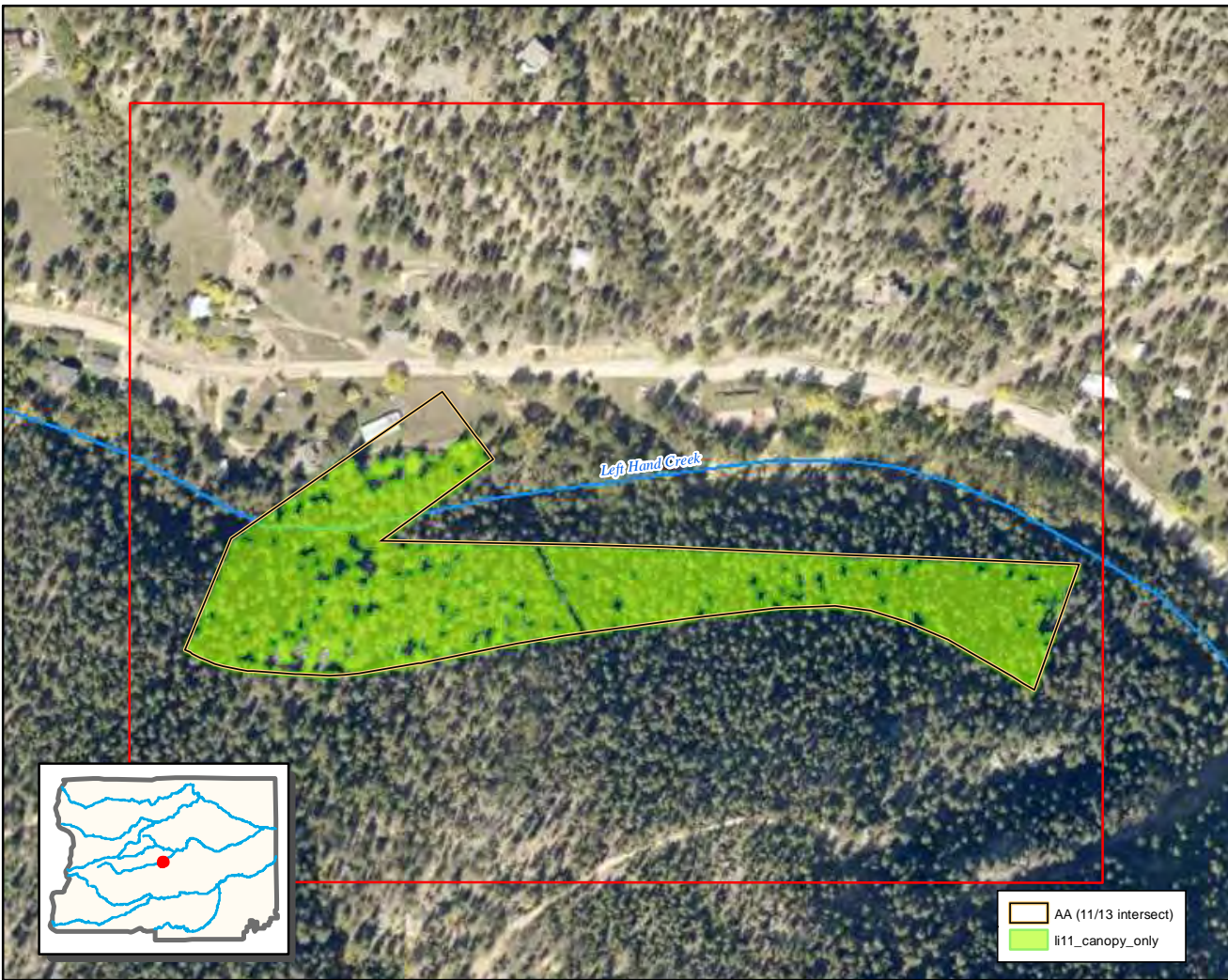
Tile 35



0 0.05 0.1 Km

Tree canopy: 2011

Tile 36



0 0.05 0.1 Km

Tree canopy: 2011

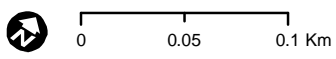
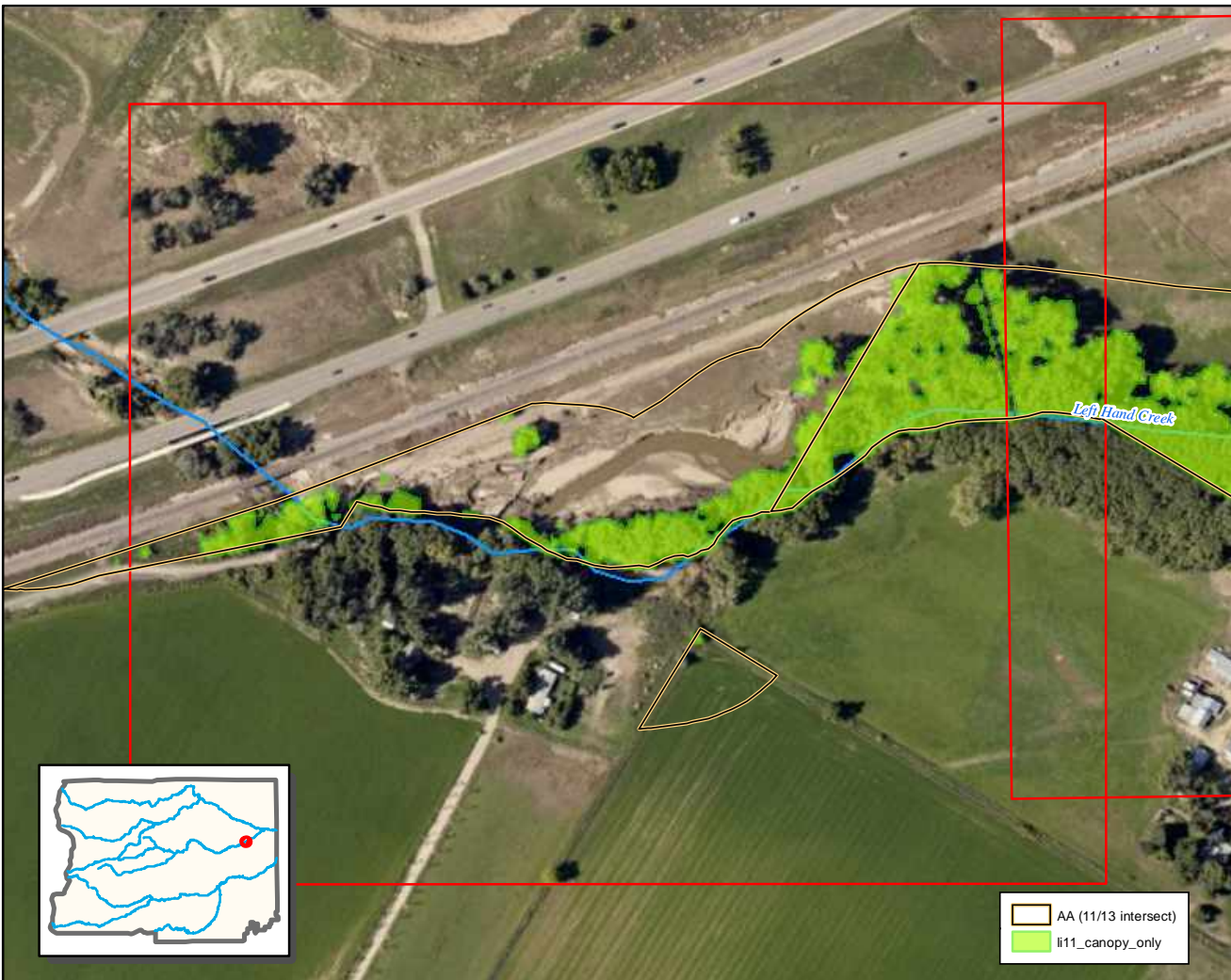
Tile 37



0 0.05 0.1 Km

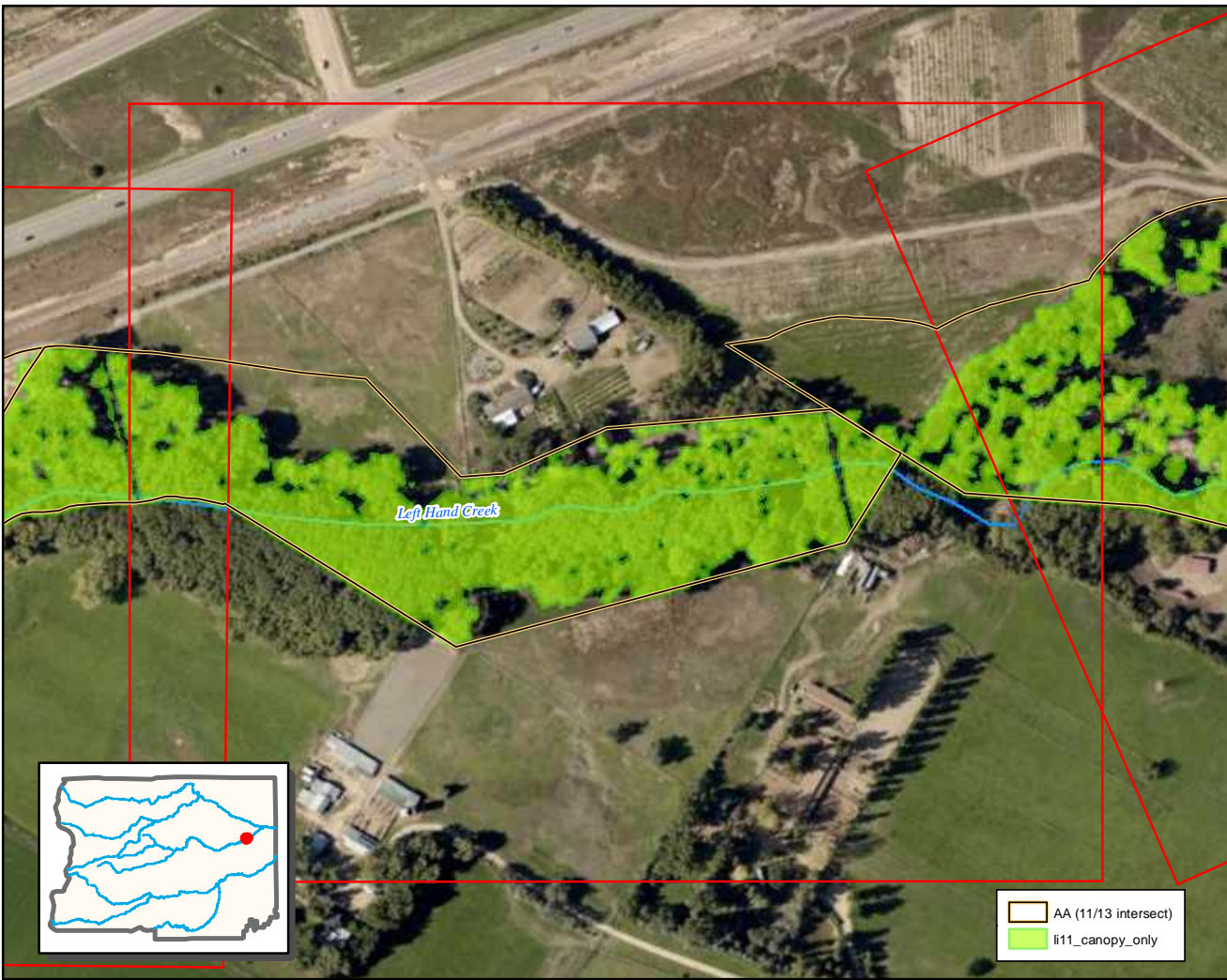
Tree canopy: 2011

Tile 40



Tree canopy: 2011

Tile 43



0 0.05 0.1 Km

Tree canopy: 2011

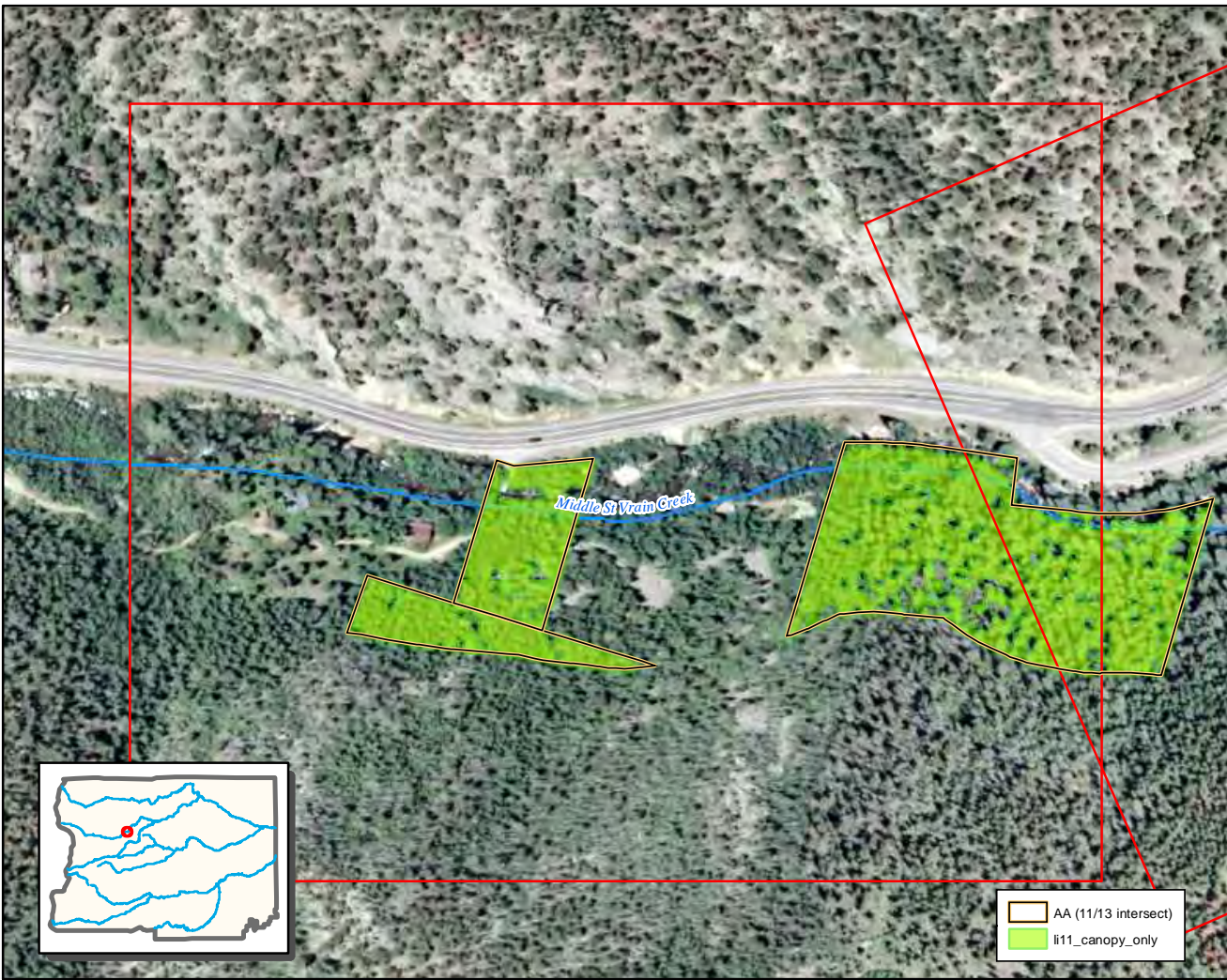
Tile 44



0 0.05 0.1 Km

Tree canopy: 2011

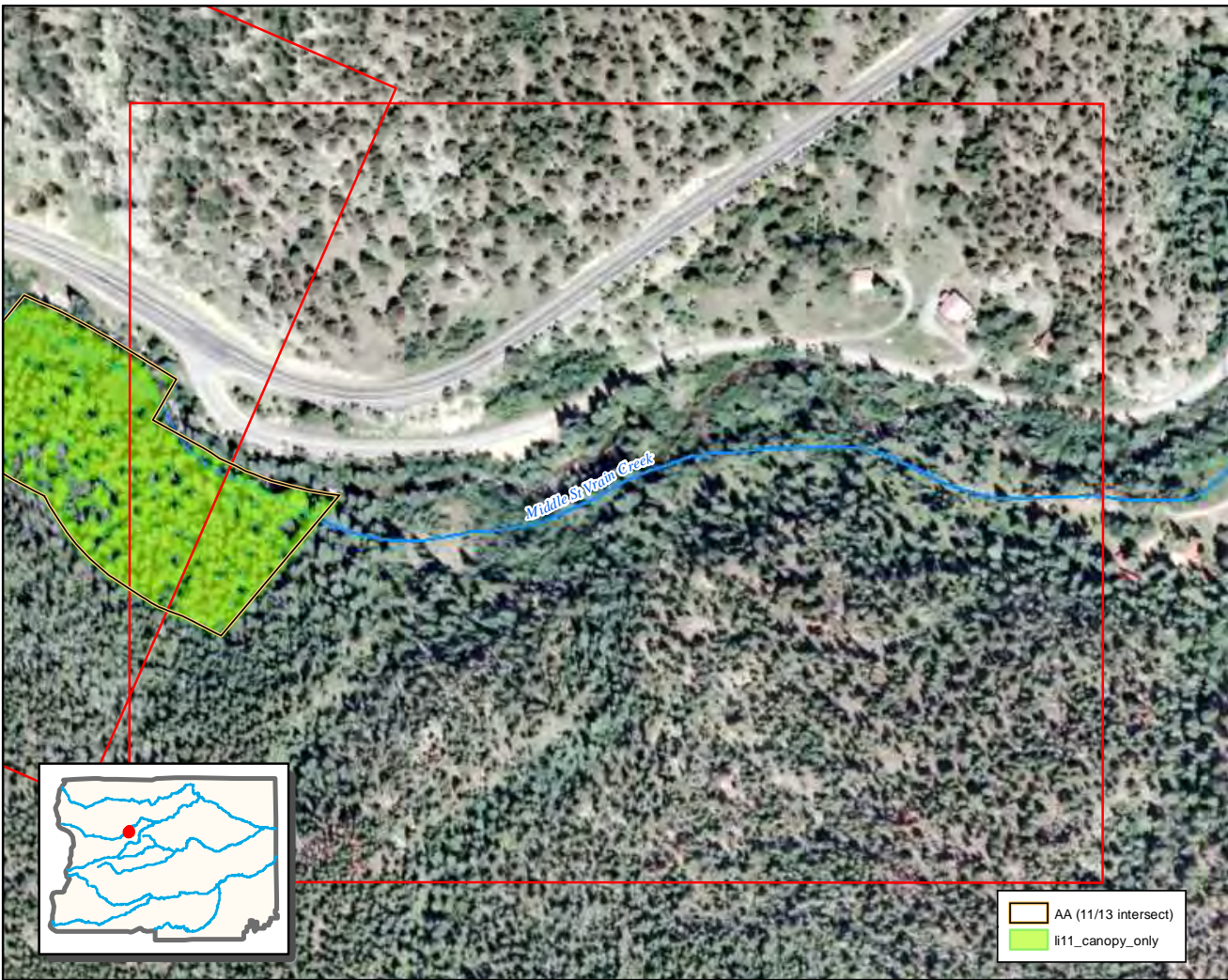
Tile 45



0 0.05 0.1 Km

Tree canopy: 2011

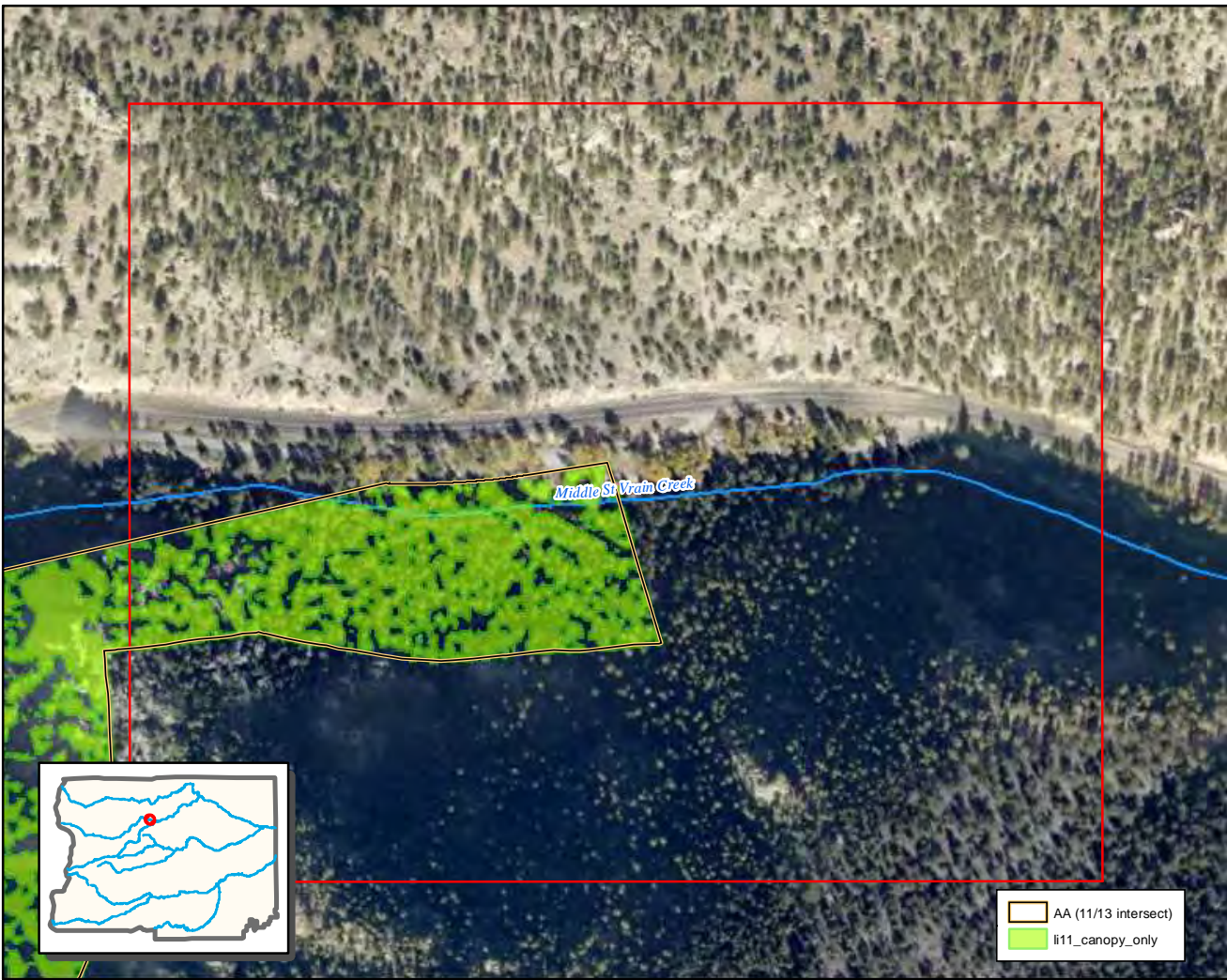
Tile 46



0 0.05 0.1 Km

Tree canopy: 2011

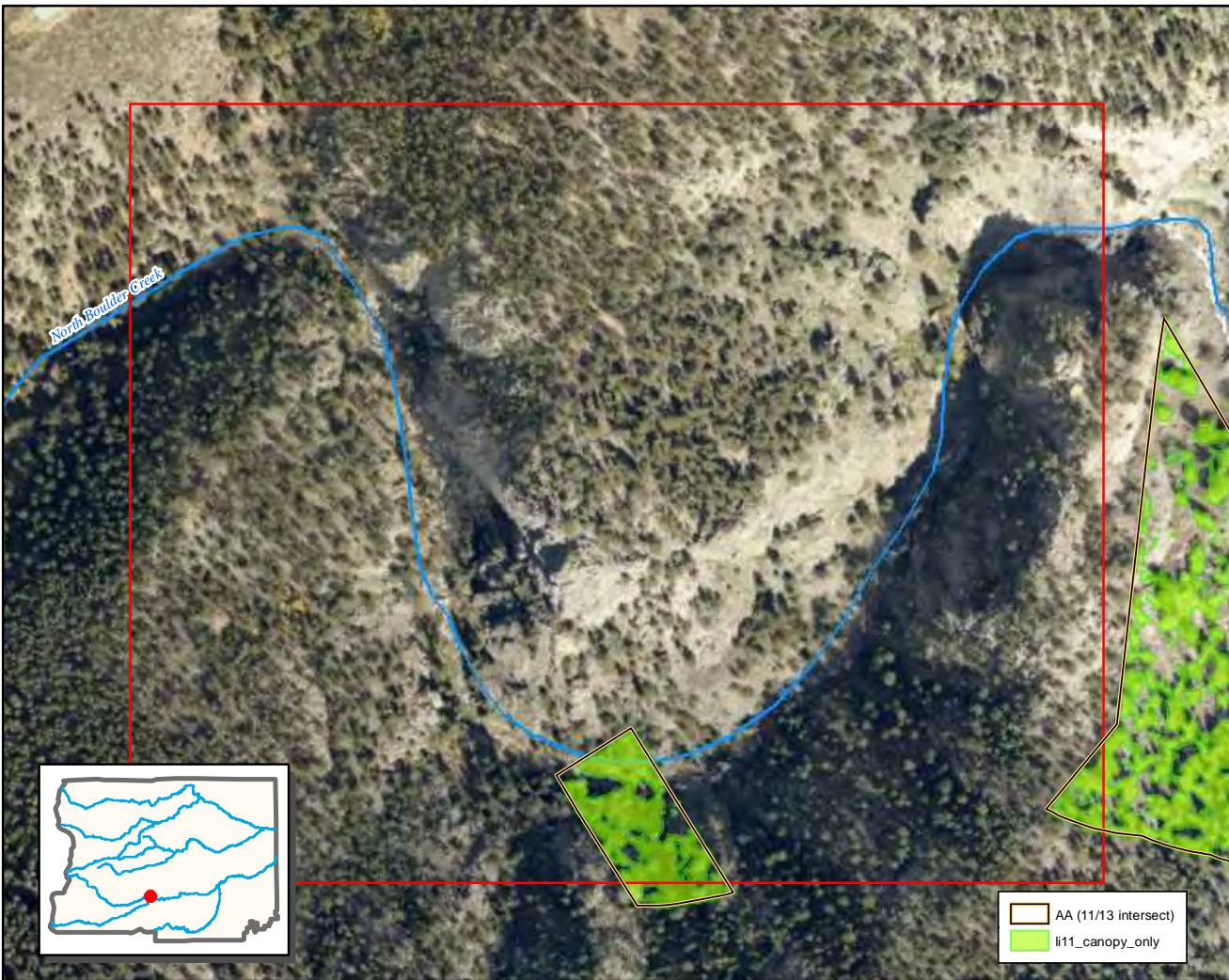
Tile 47



0 0.05 0.1 Km

Tree canopy: 2011

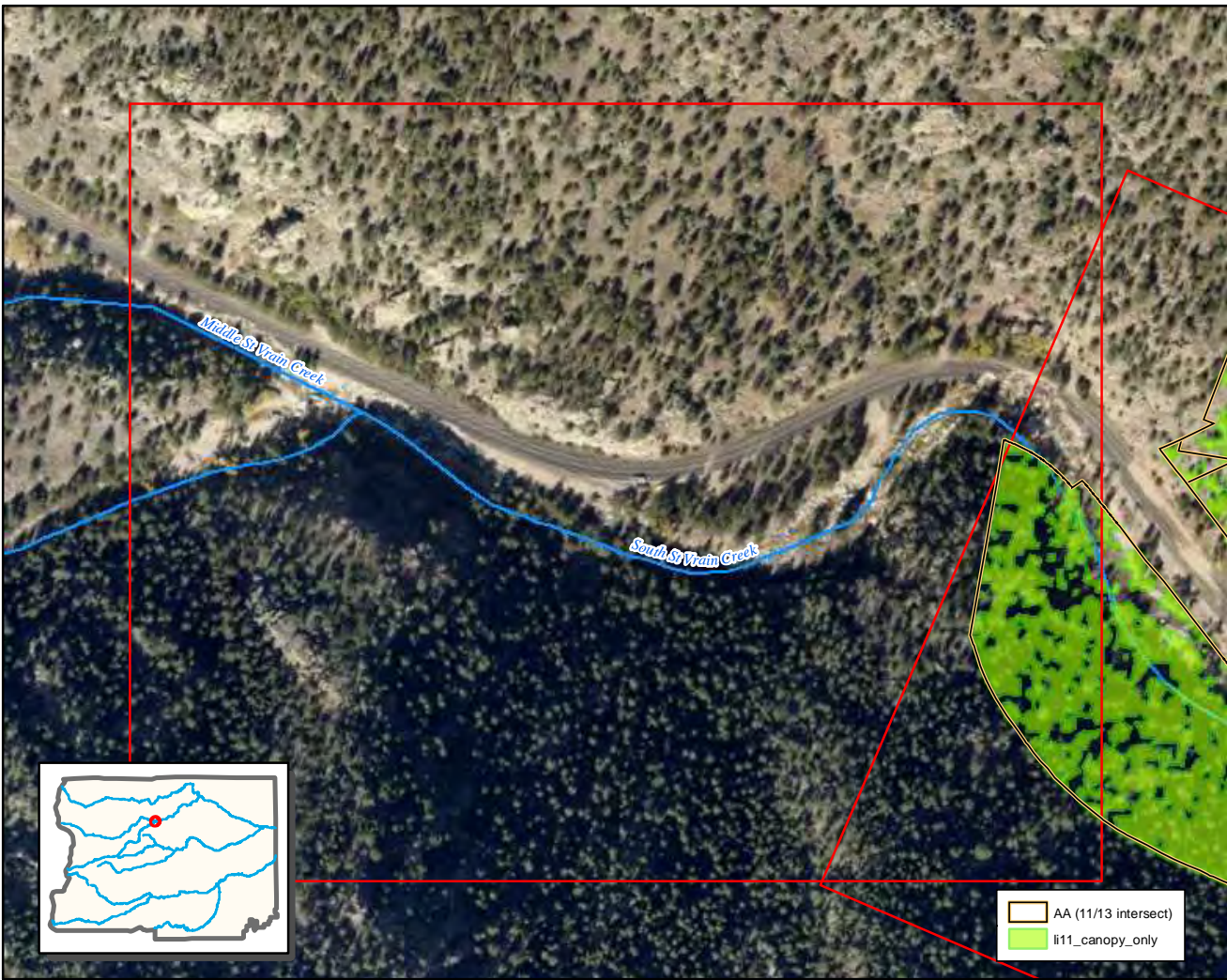
Tile 48



0 0.05 0.1 Km

Tree canopy: 2011

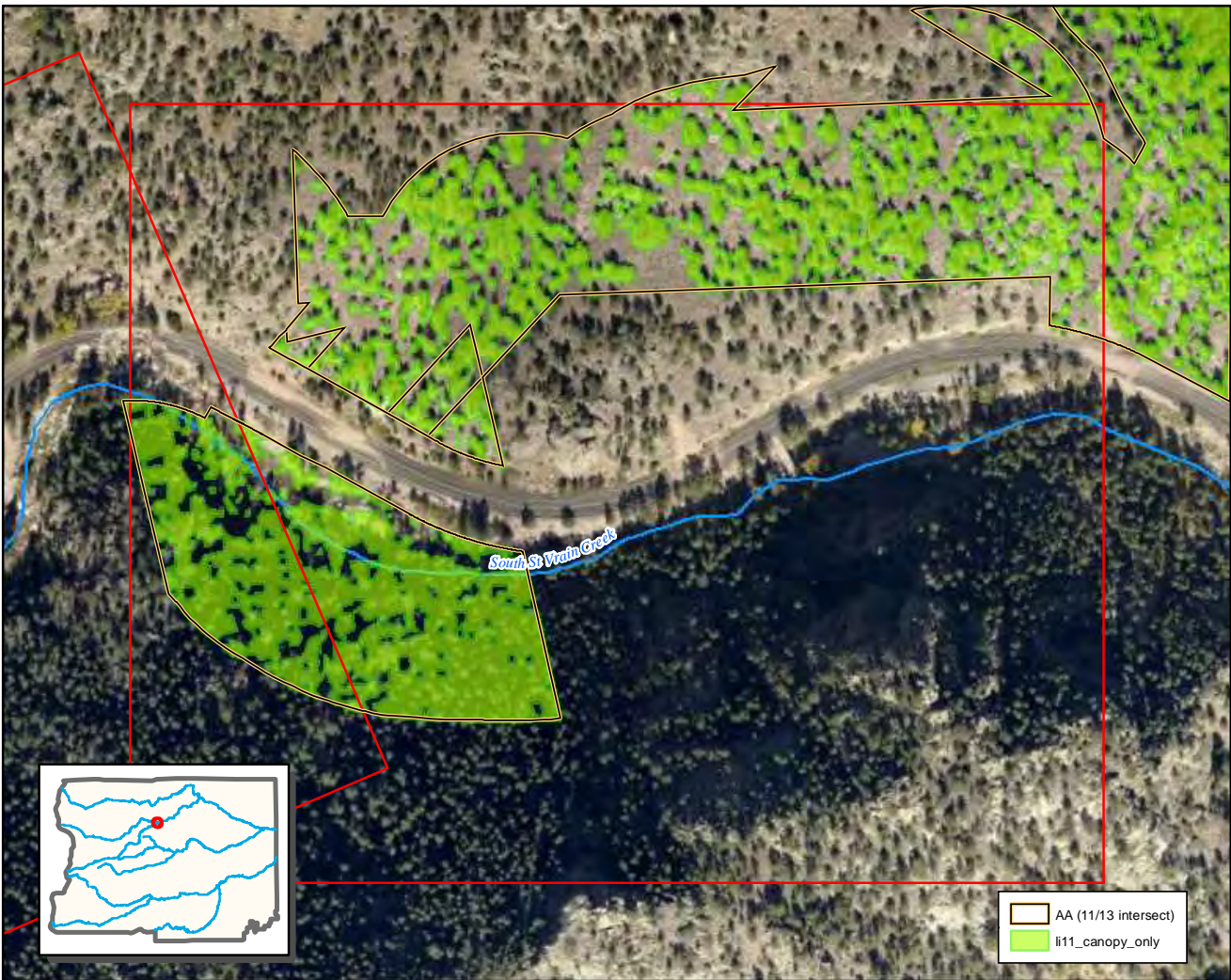
Tile 49



0 0.05 0.1 Km

Tree canopy: 2011

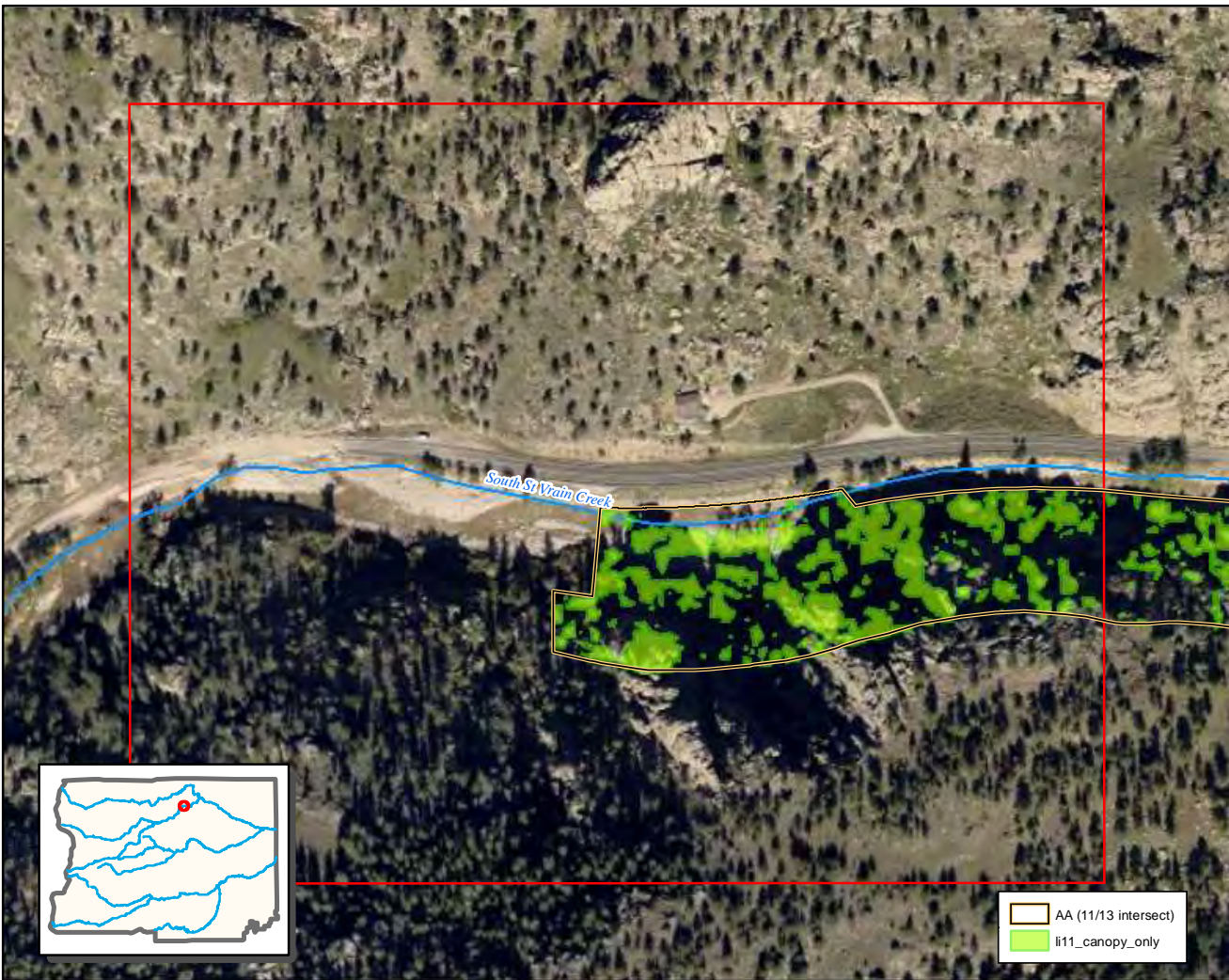
Tile 61



0 0.05 0.1 Km

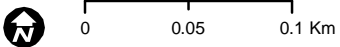
Tree canopy: 2011

Tile 62



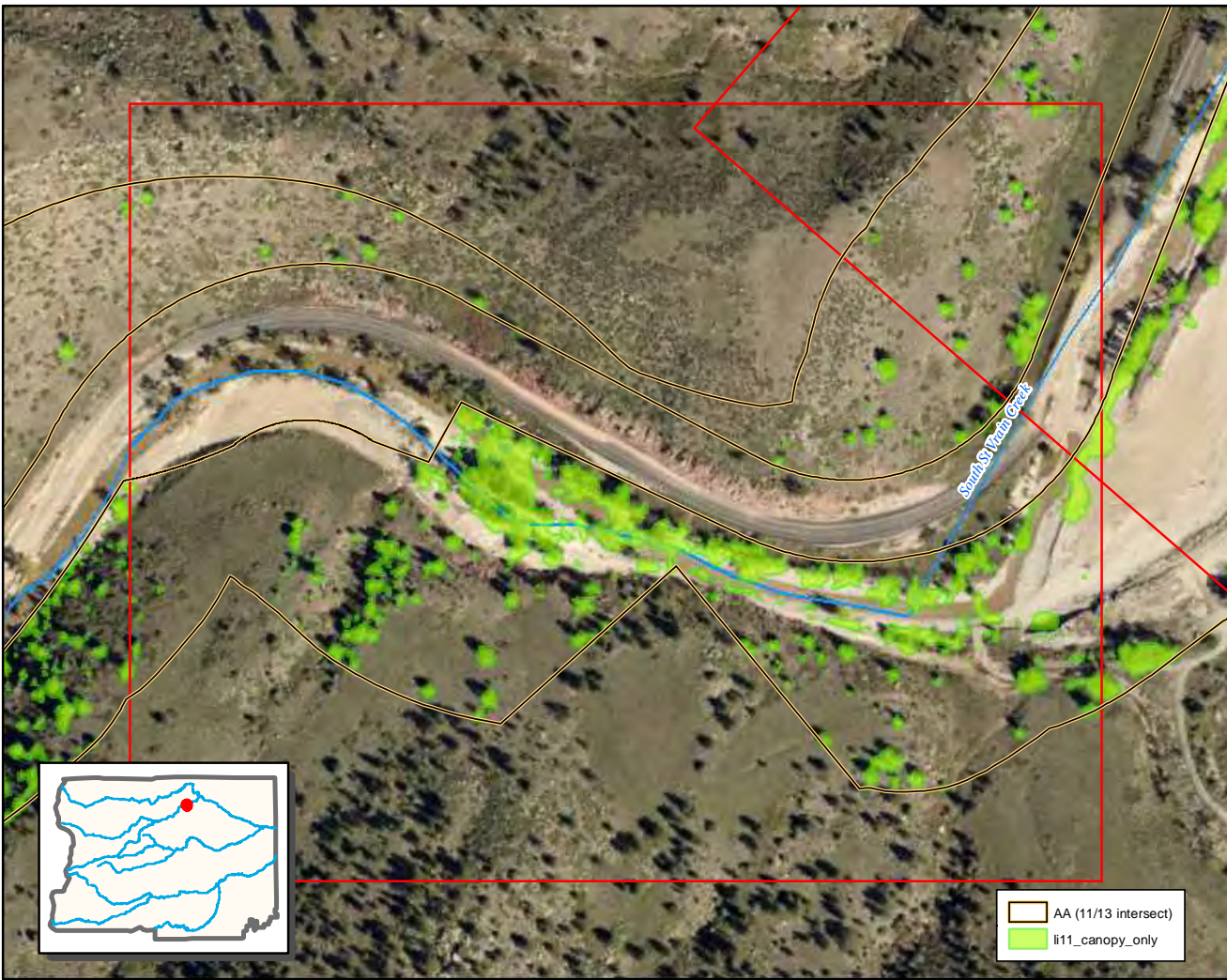
South St Vrain Creek

AA (11/13 intersect)
l11_canopy_only



Tree canopy: 2011

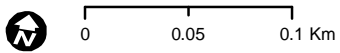
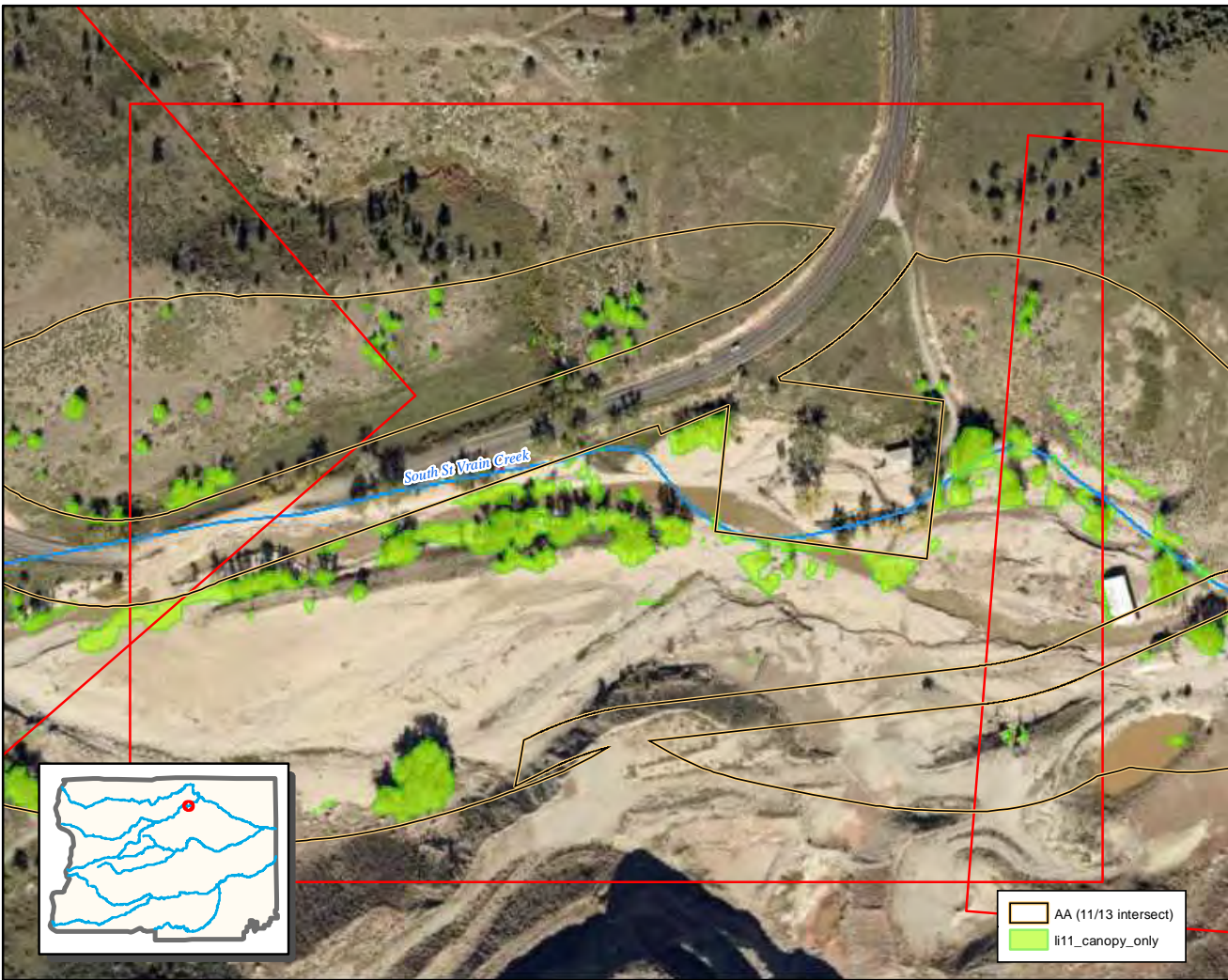
Tile 63



0 0.05 0.1 Km

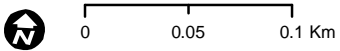
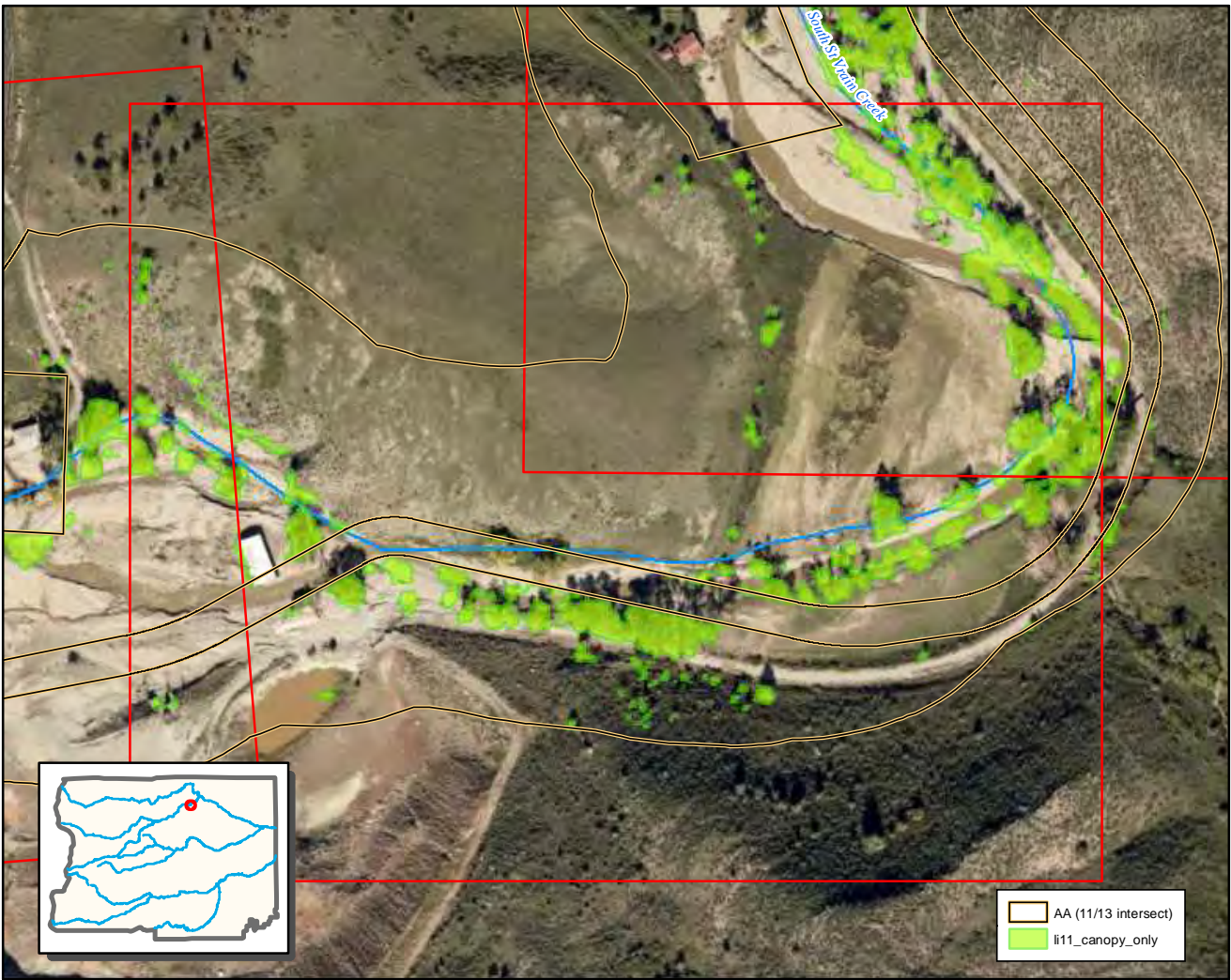
Tree canopy: 2011

Tile 64



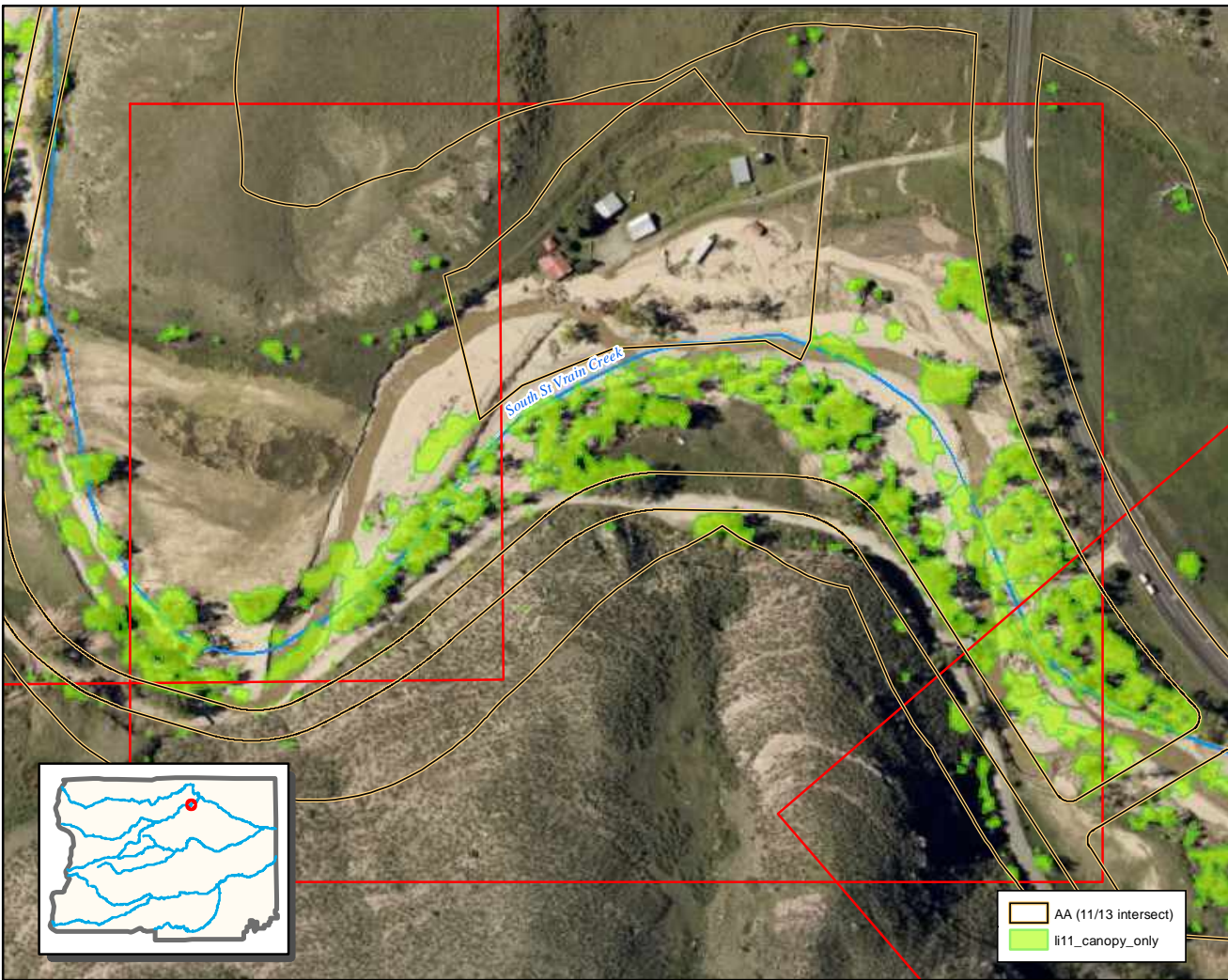
Tree canopy: 2011

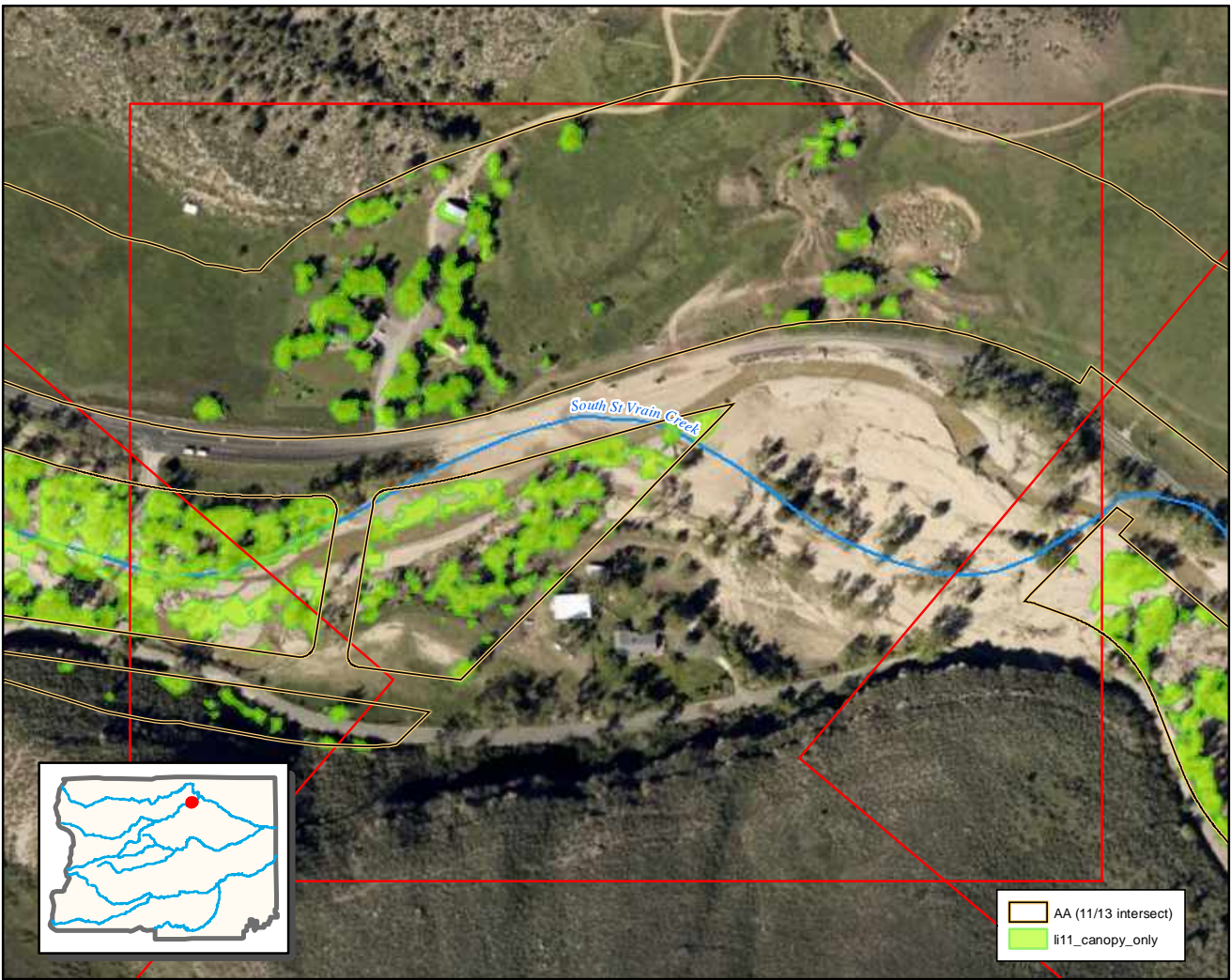
Tile 65



Tree canopy: 2011

Tile 66

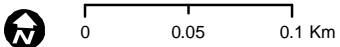




0 0.05 0.1 Km

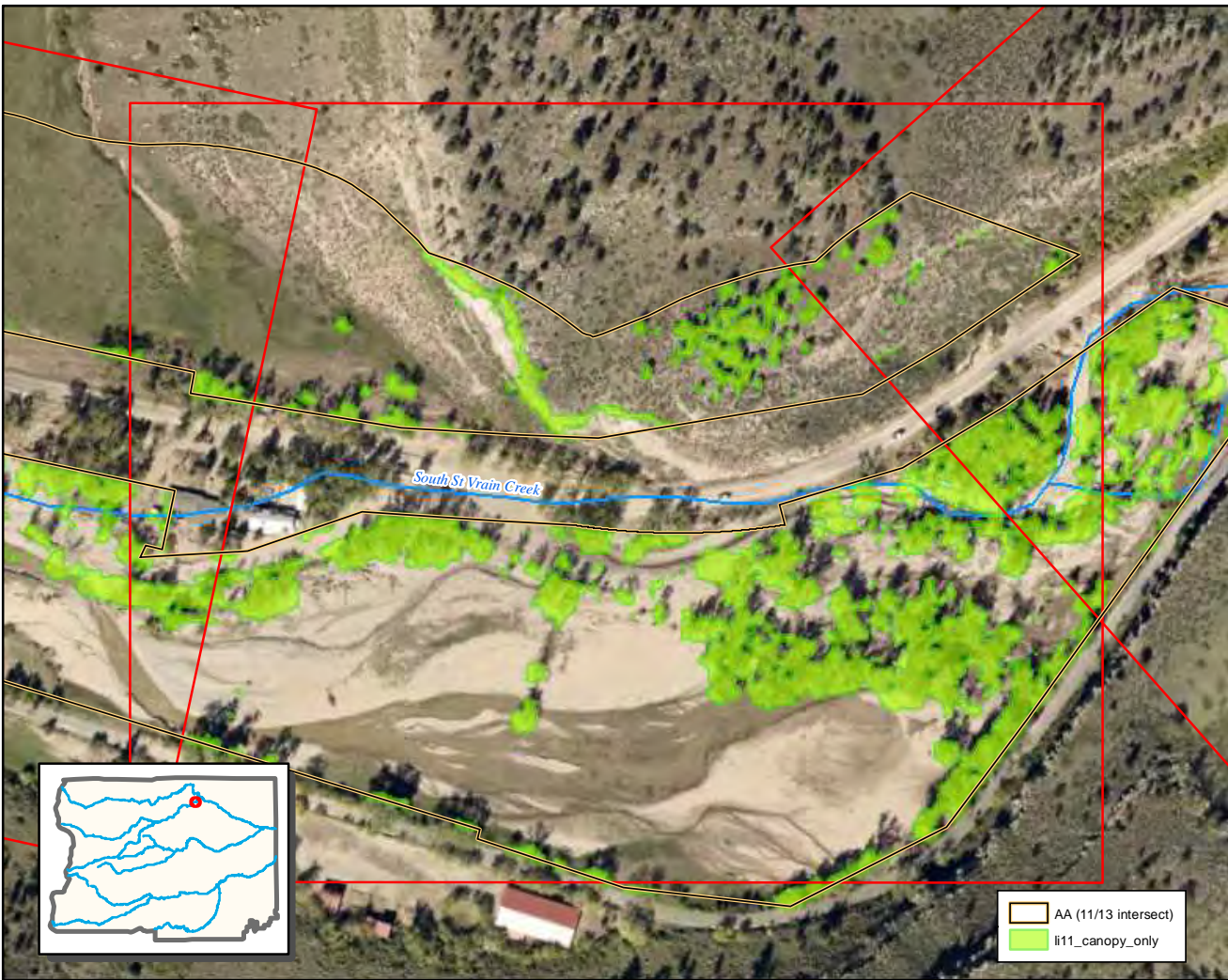
Tree canopy: 2011

Tile 68



Tree canopy: 2011

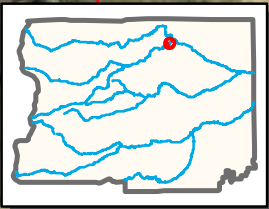
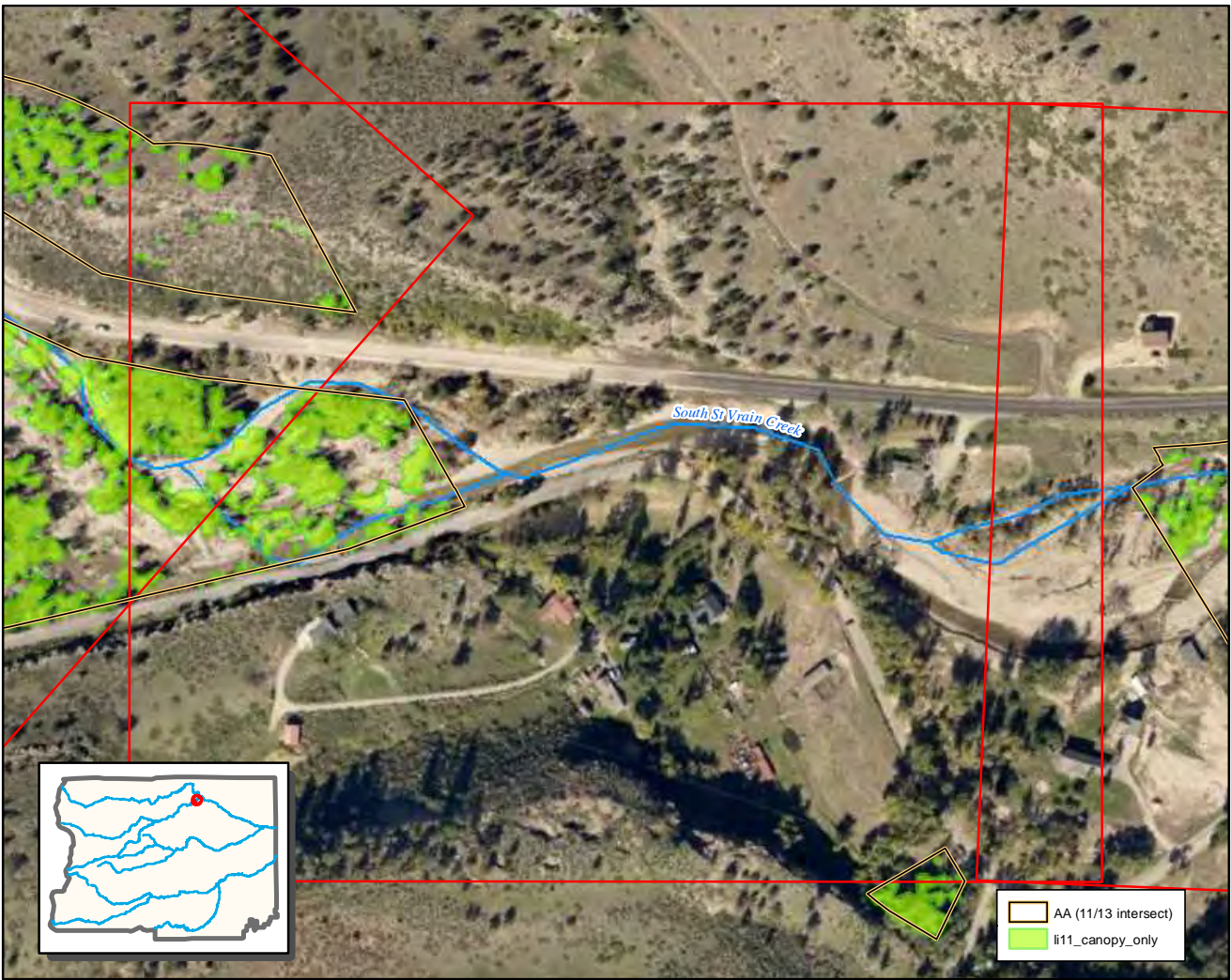
Tile 69



0 0.05 0.1 Km

Tree canopy: 2011

Tile 70



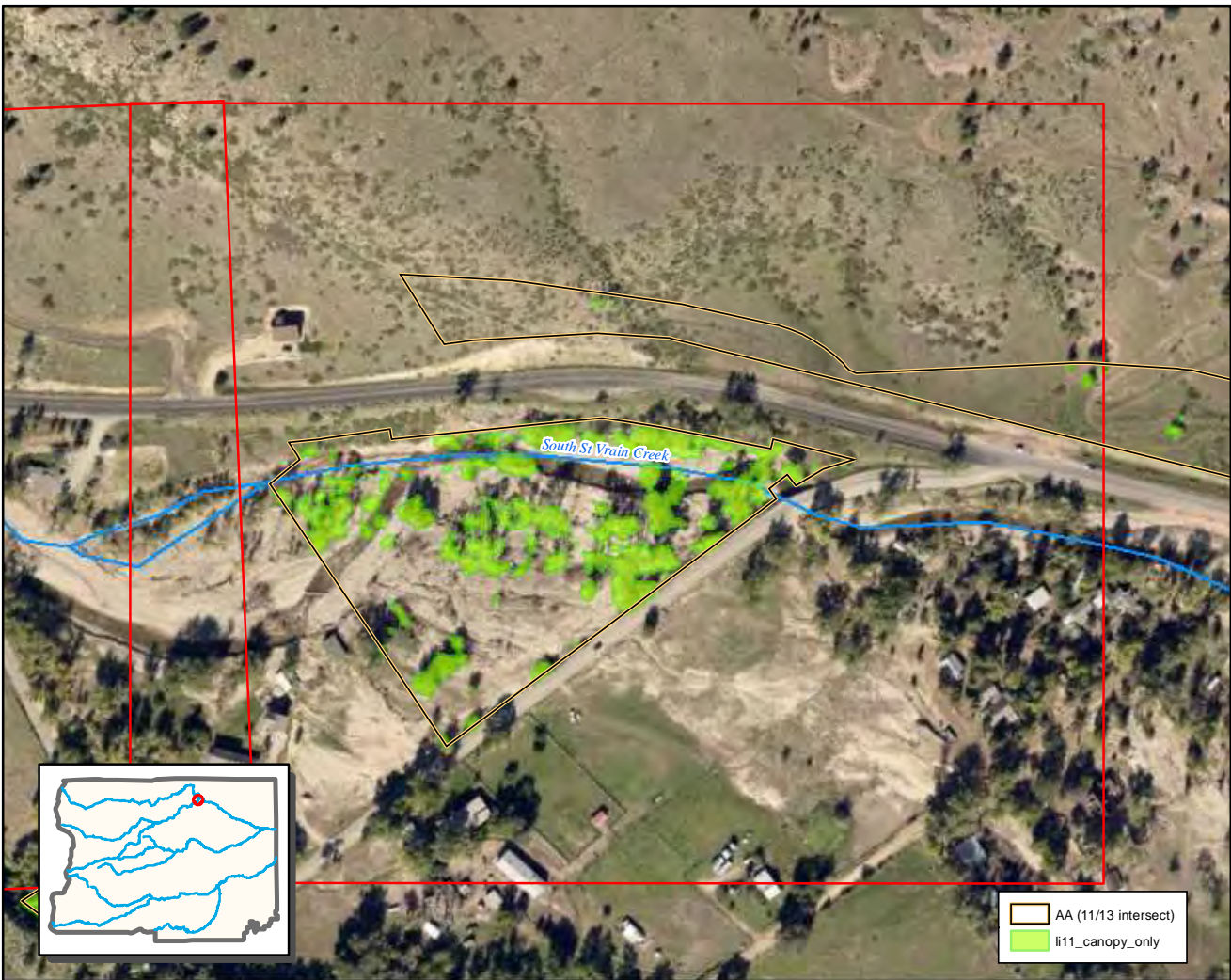
AA (11/13 intersect)
l11_canopy_only

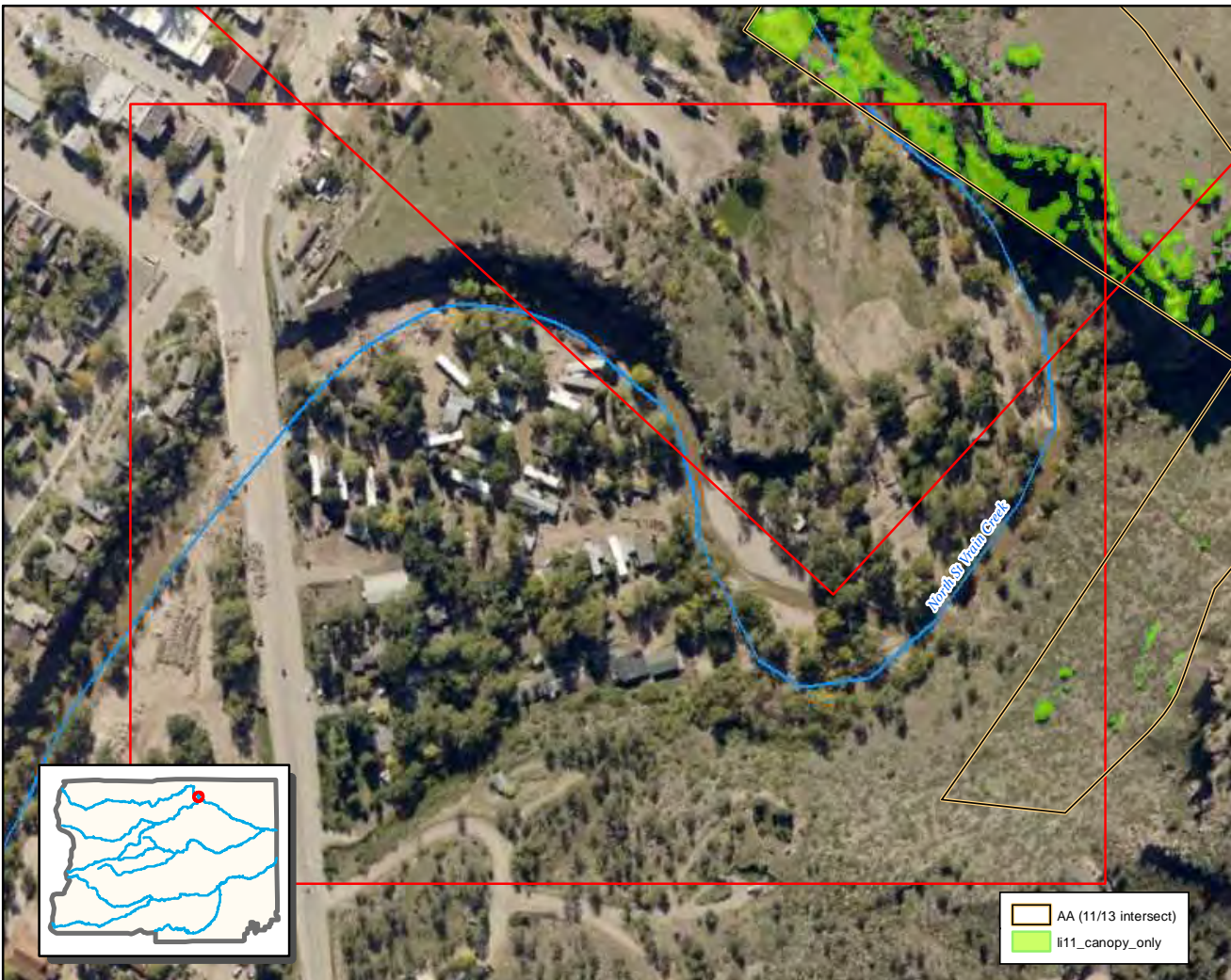


0 0.05 0.1 Km

Tree canopy: 2011

Tile 71

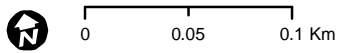
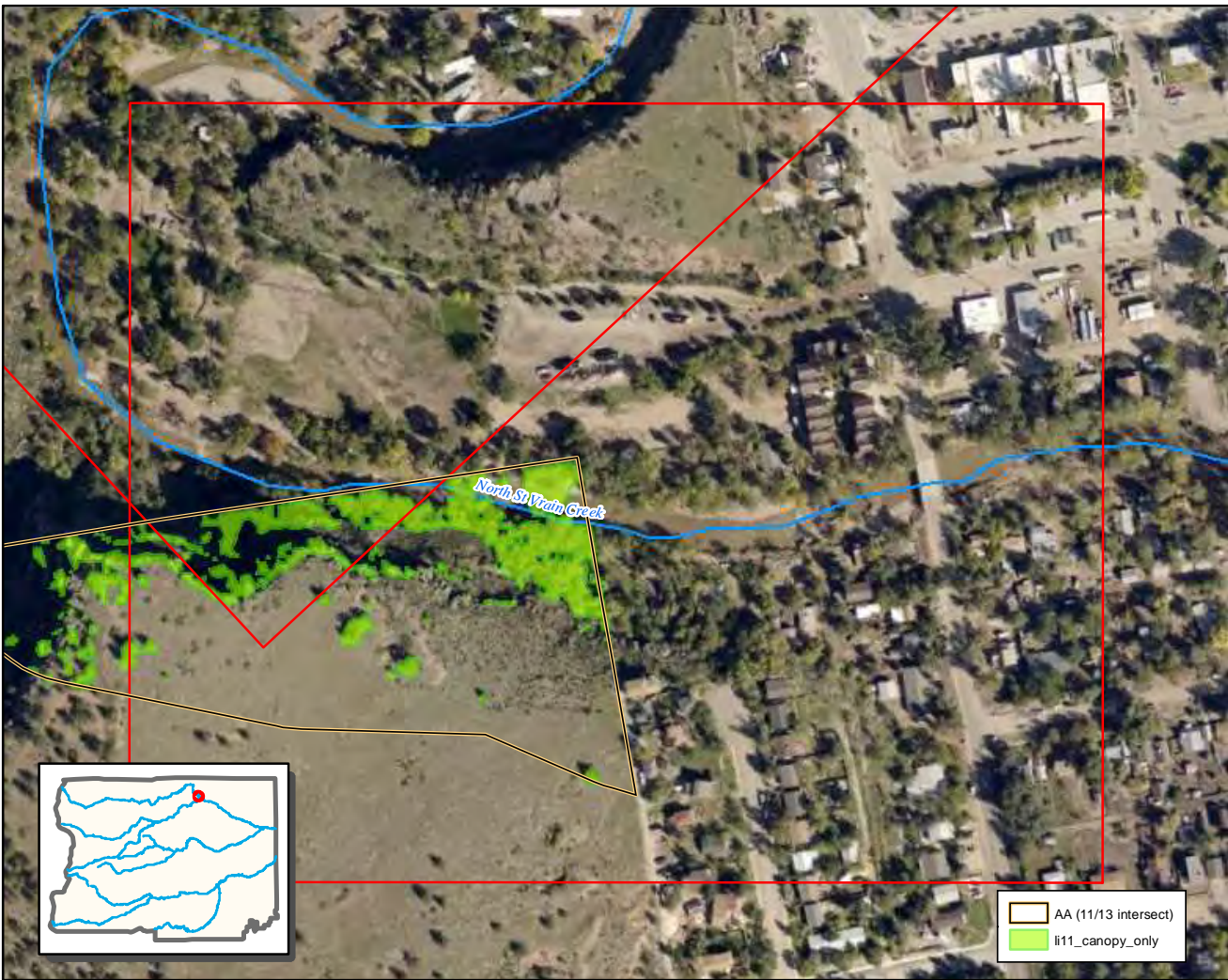




0 0.05 0.1 Km

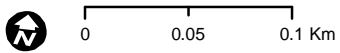
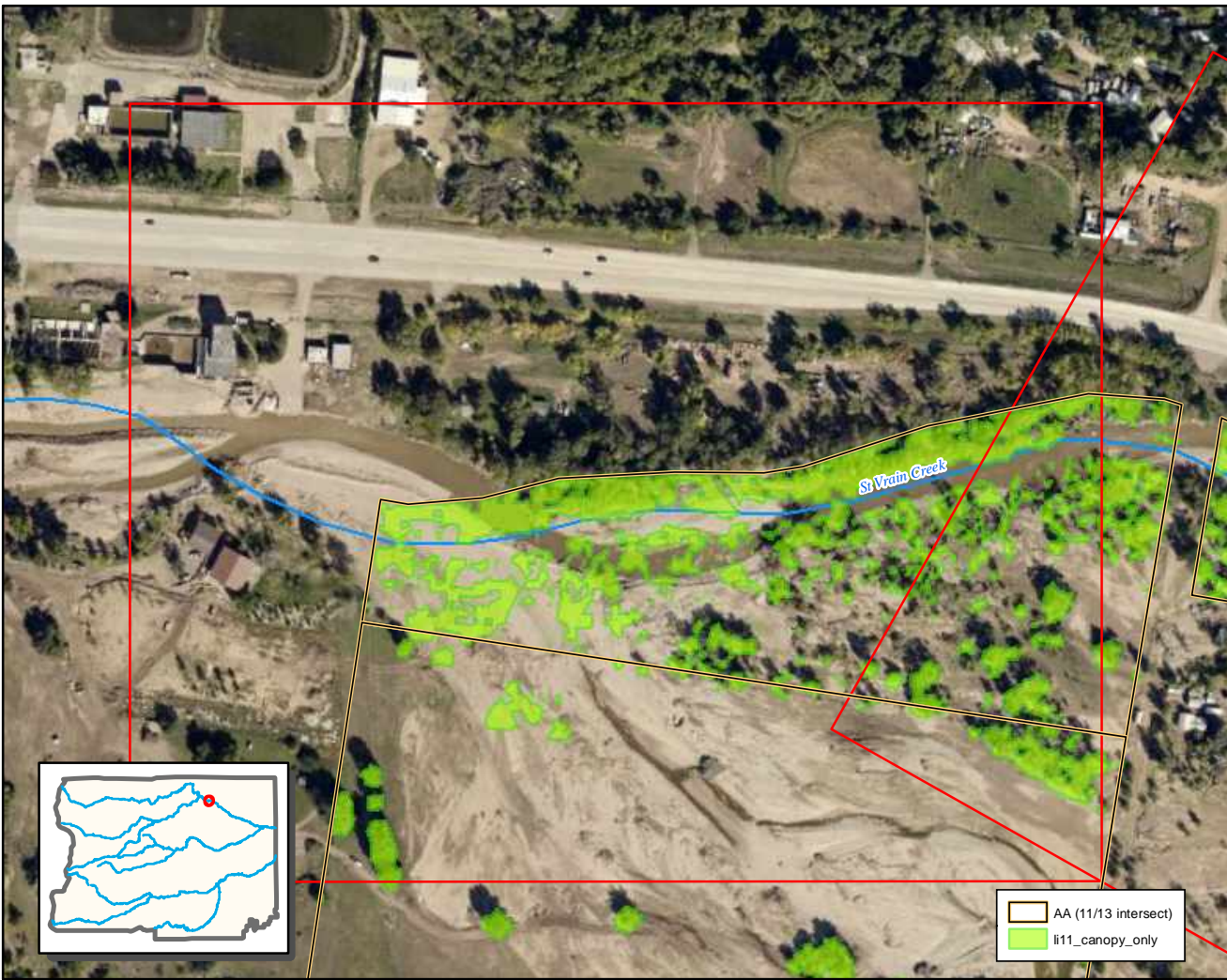
Tree canopy: 2011

Tile 73



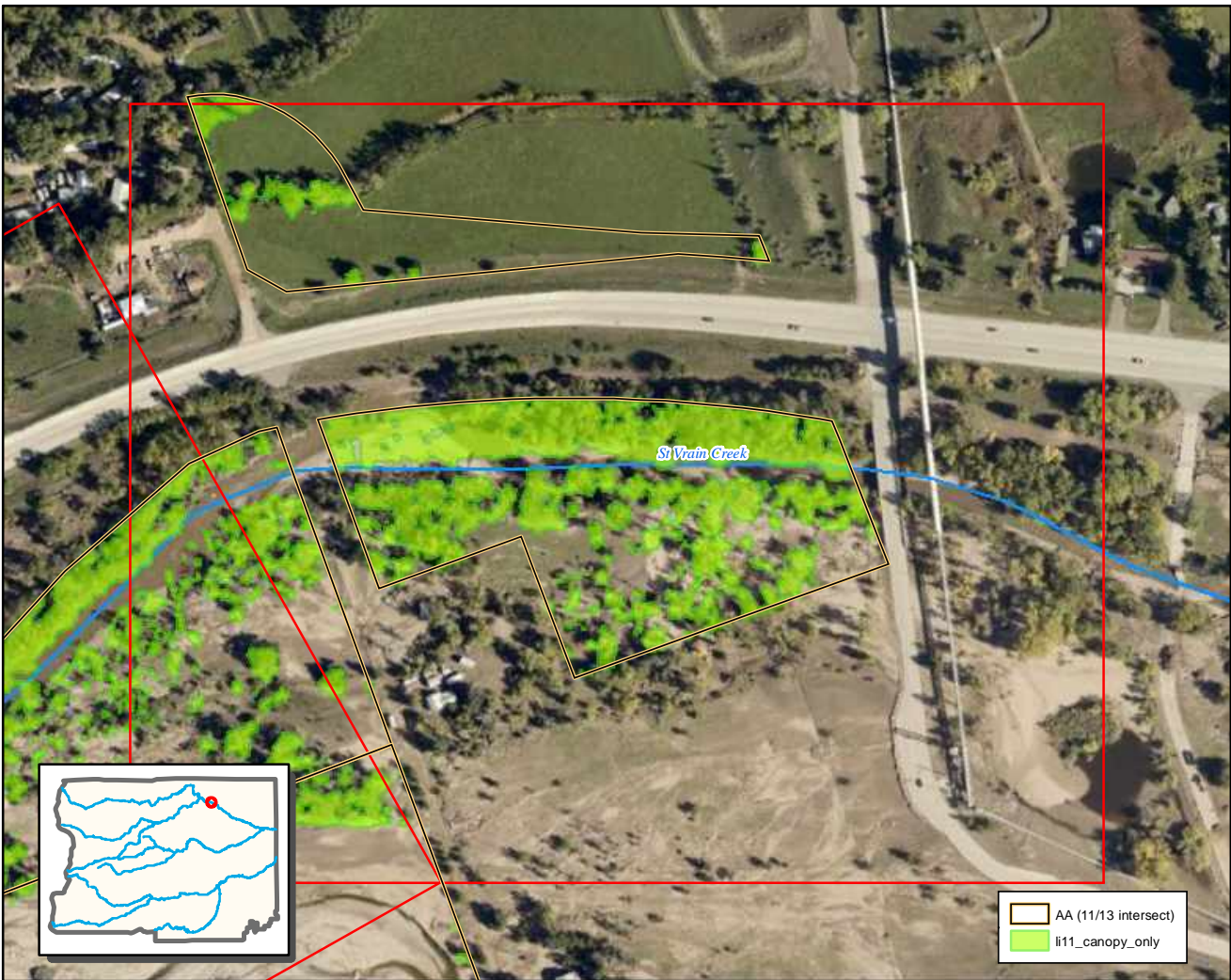
Tree canopy: 2011

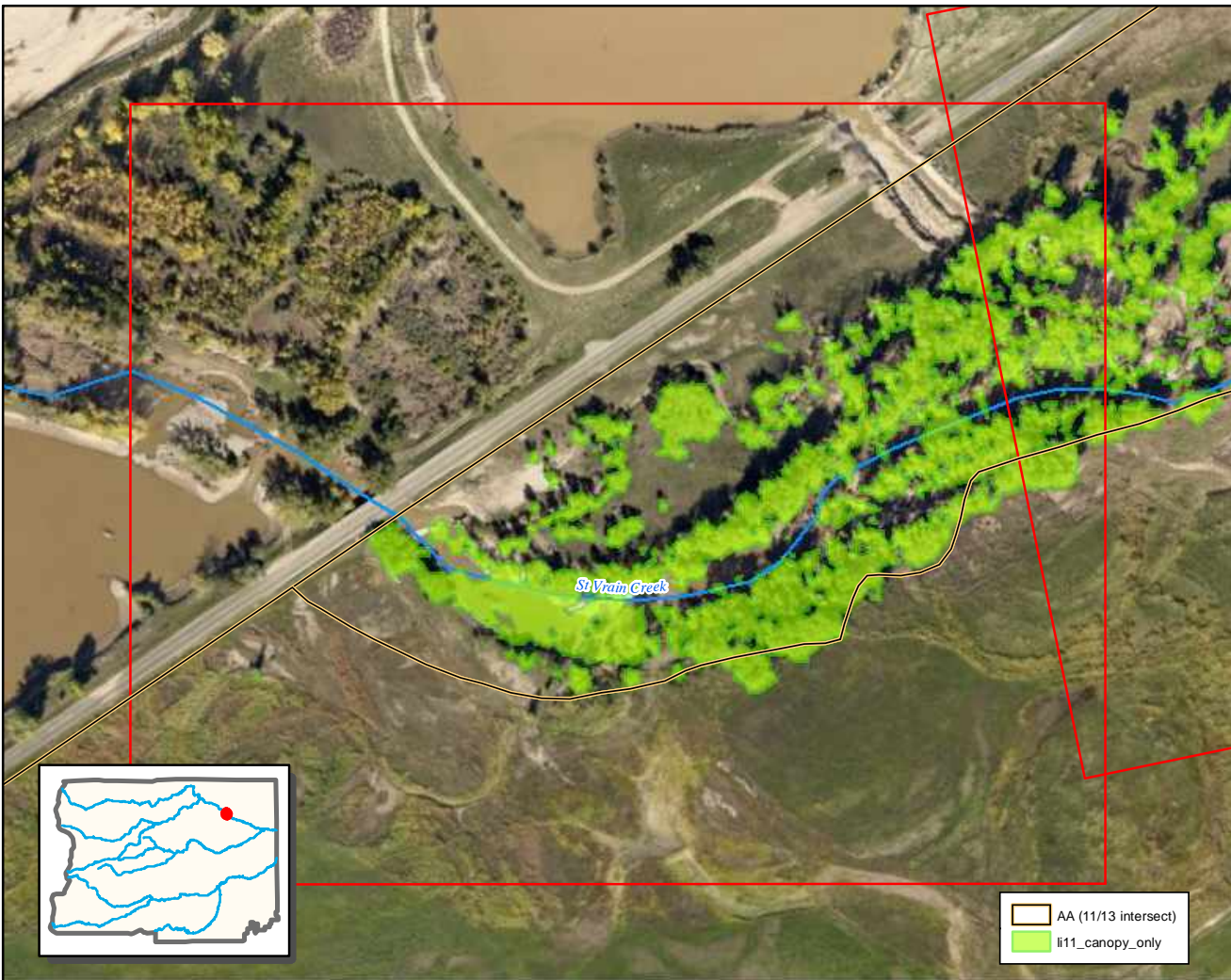
Tile 74



Tree canopy: 2011

Tile 75

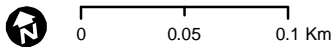
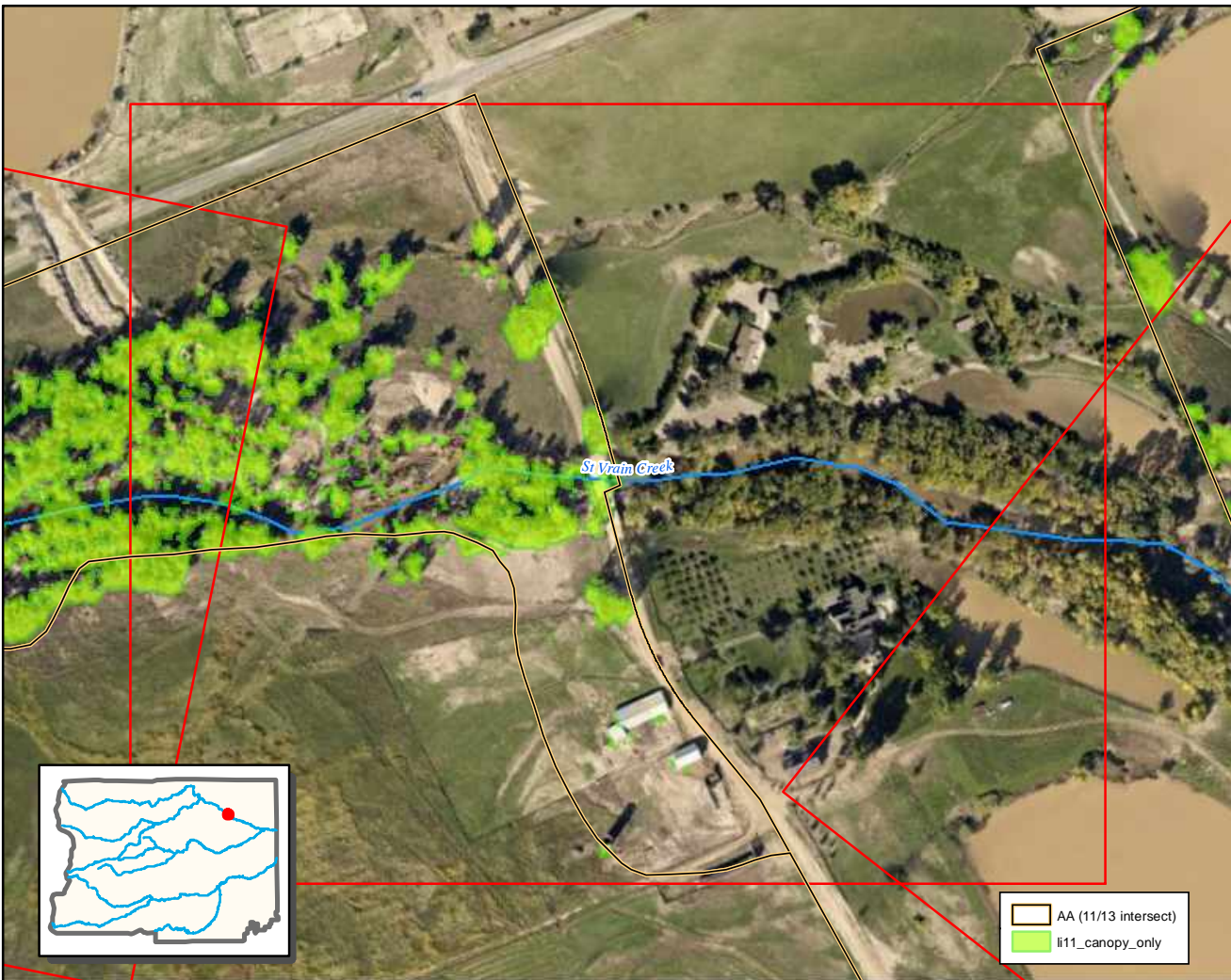




0 0.05 0.1 Km

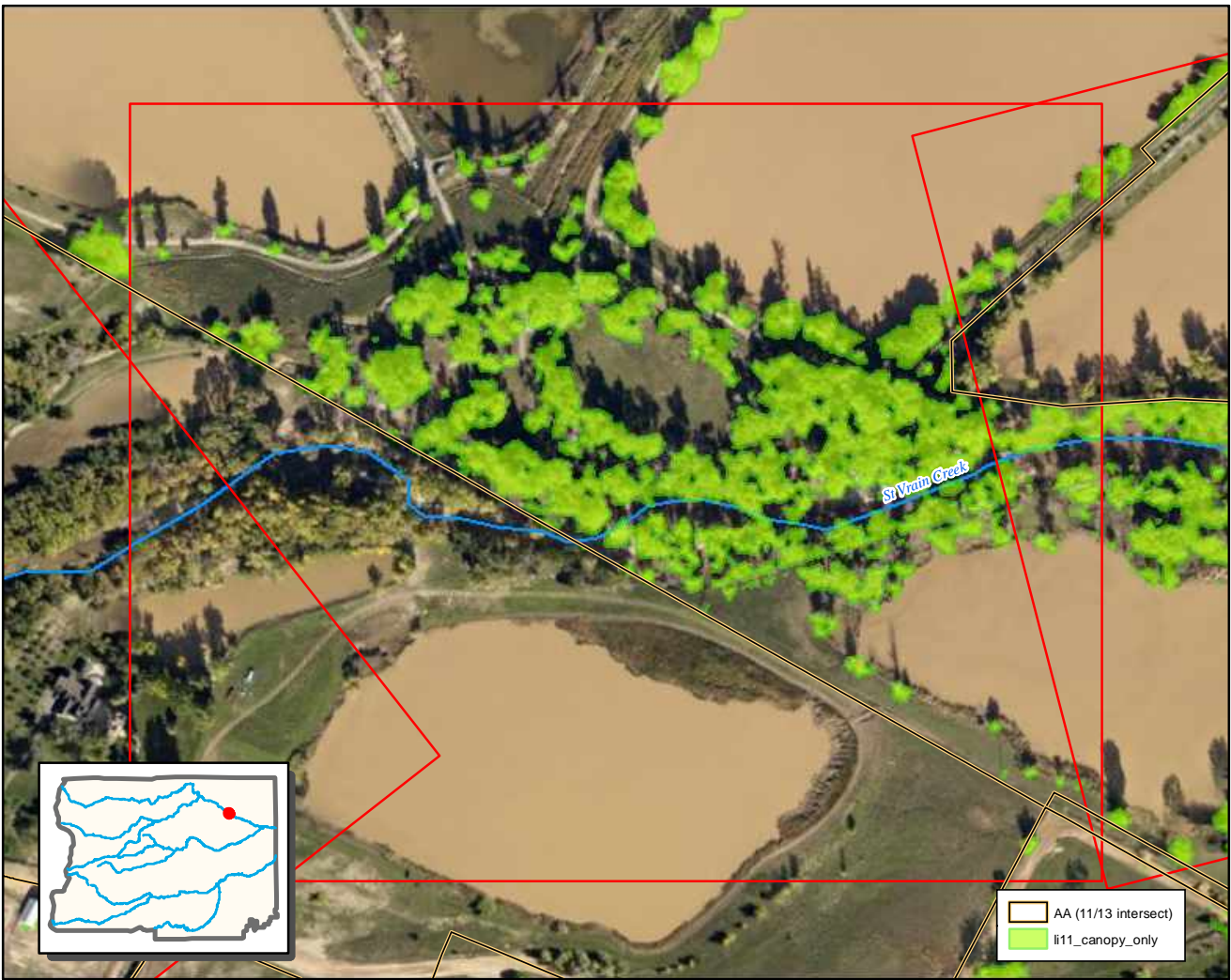
Tree canopy: 2011

Tile 85



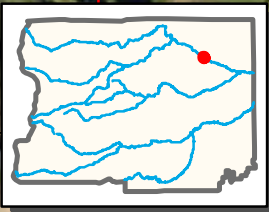
Tree canopy: 2011

Tile 86



St. Vrain Creek

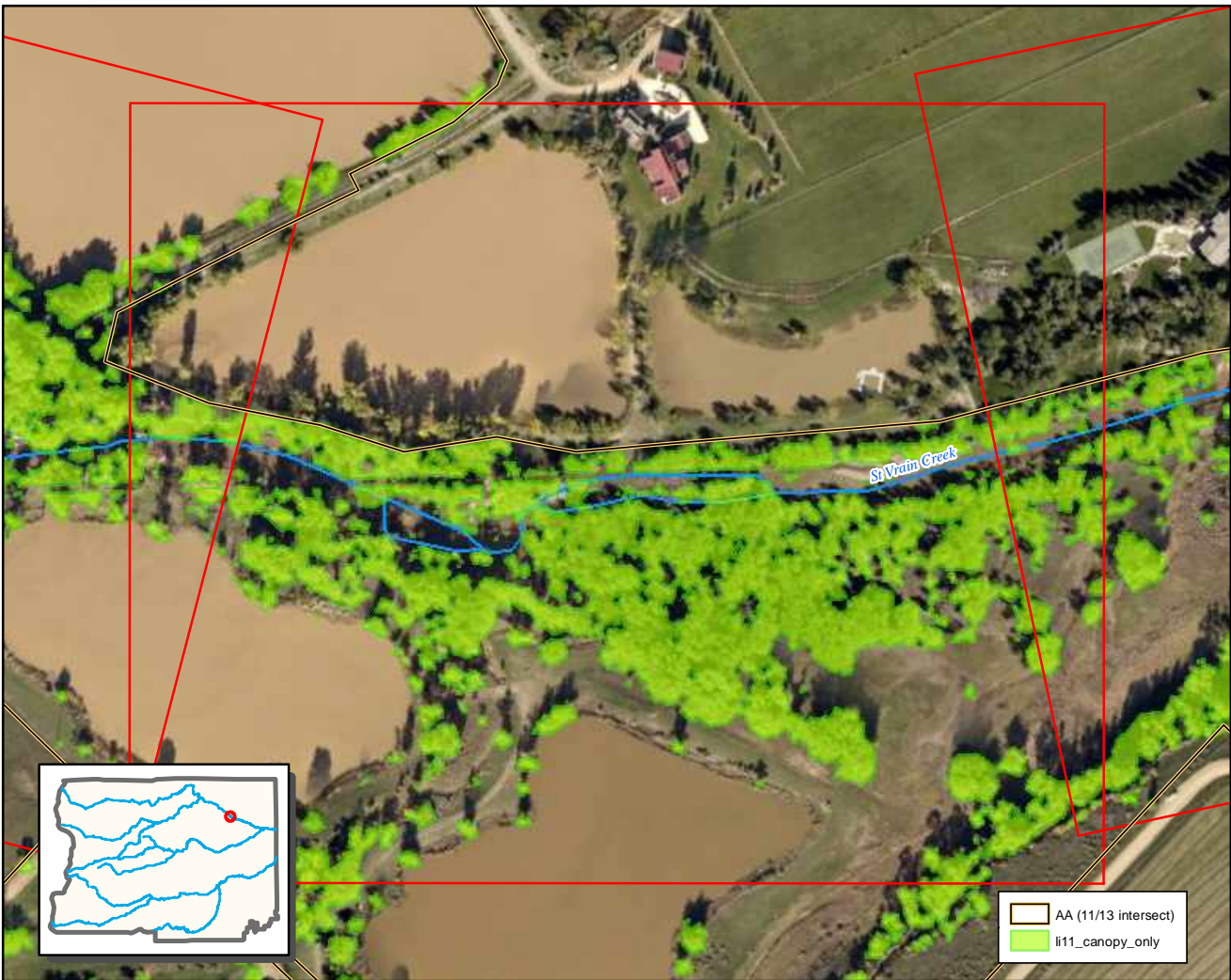
- AA (11/13 intersect)
- li11_canopy_only



0 0.05 0.1 Km

Tree canopy: 2011

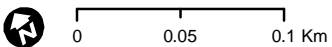
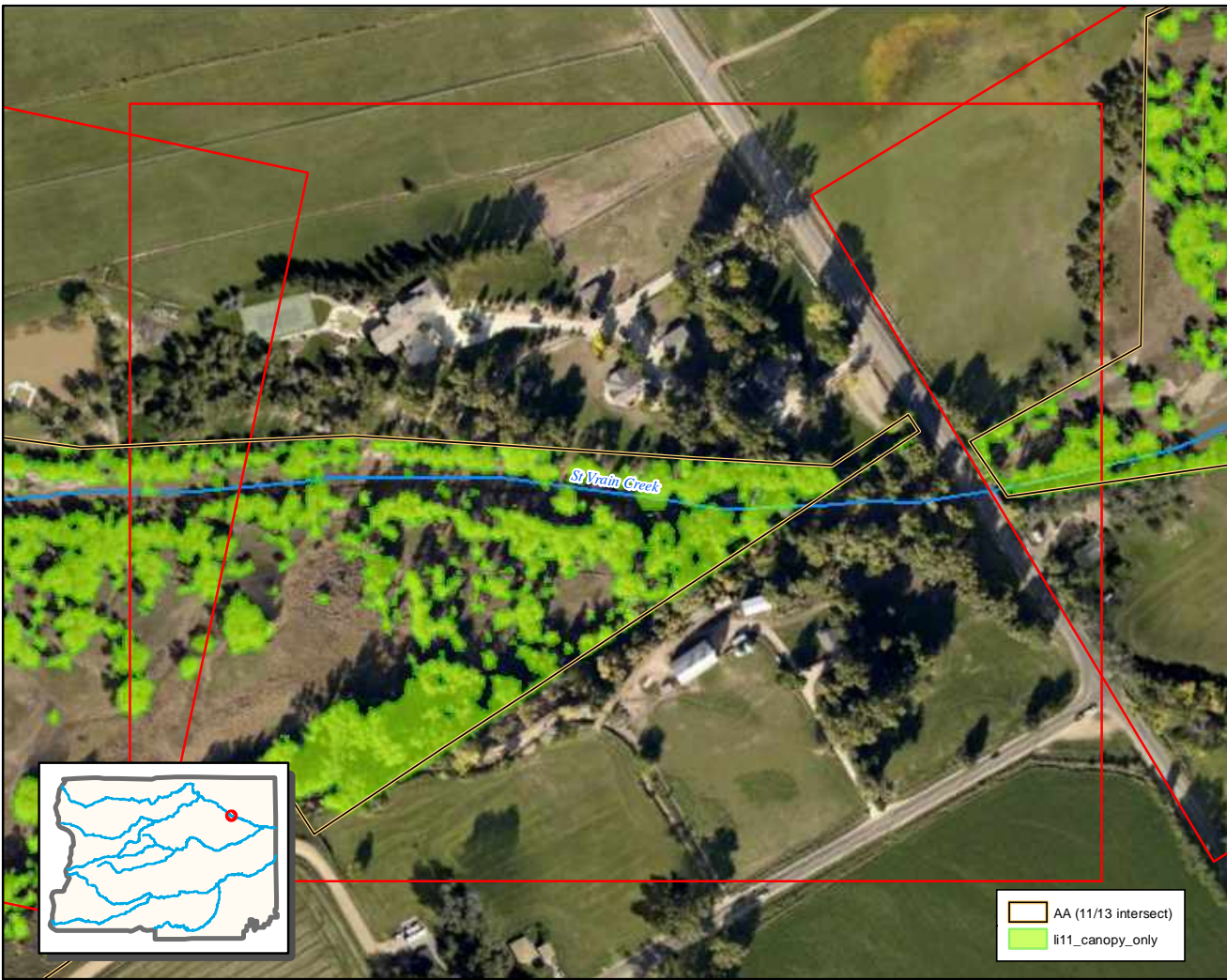
Tile 87



0 0.05 0.1 Km

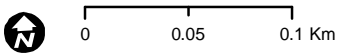
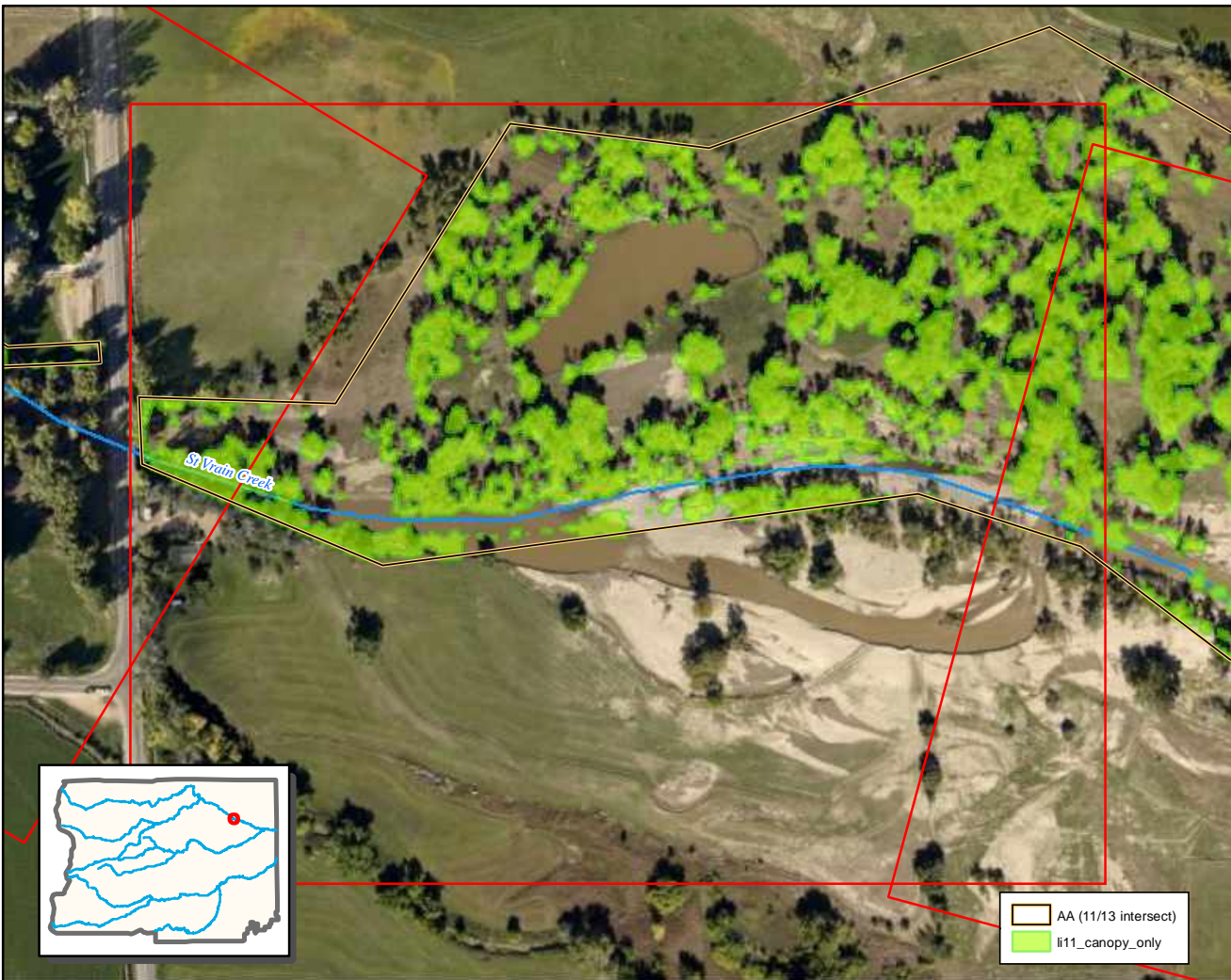
Tree canopy: 2011

Tile 88



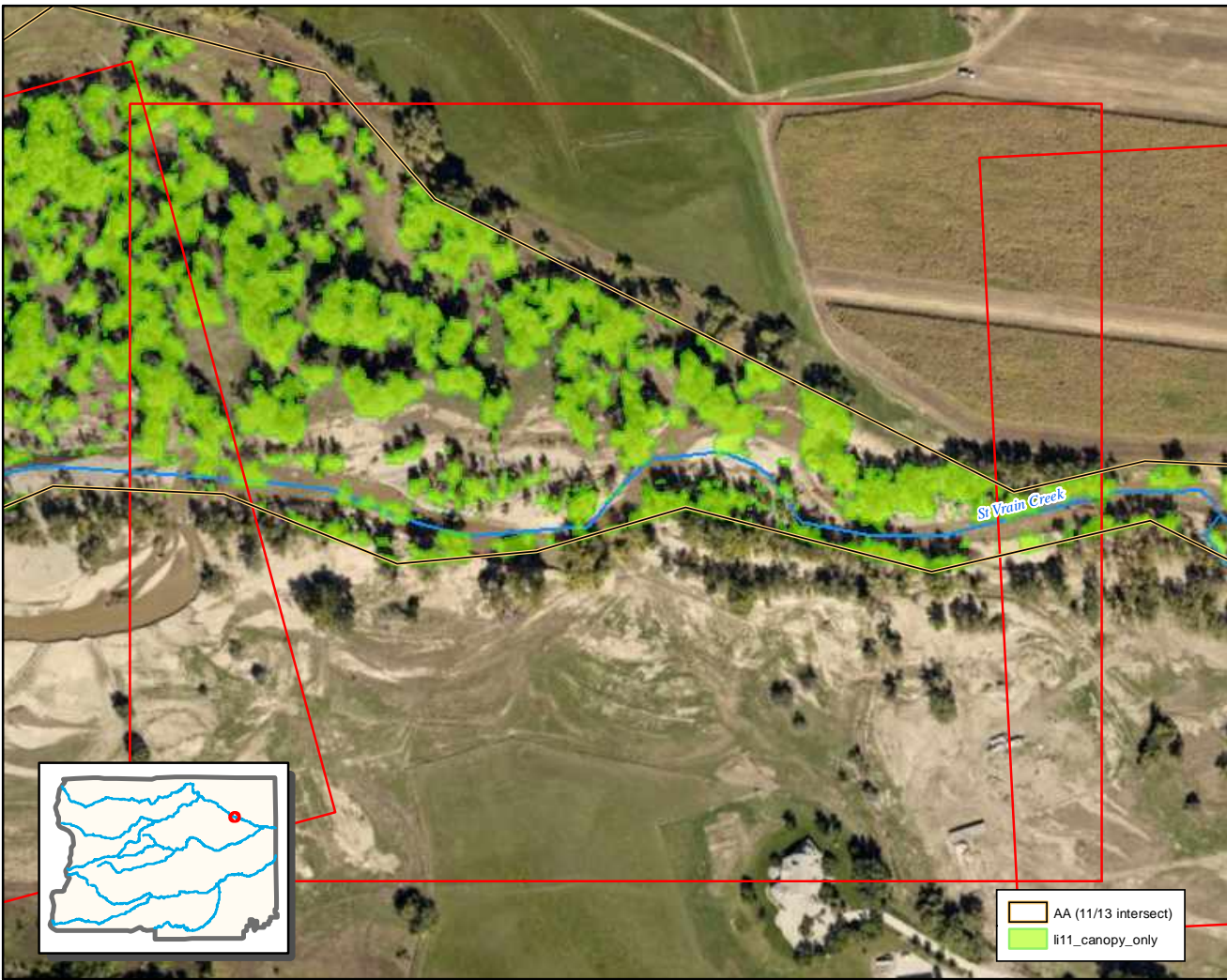
Tree canopy: 2011

Tile 89



Tree canopy: 2011

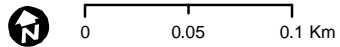
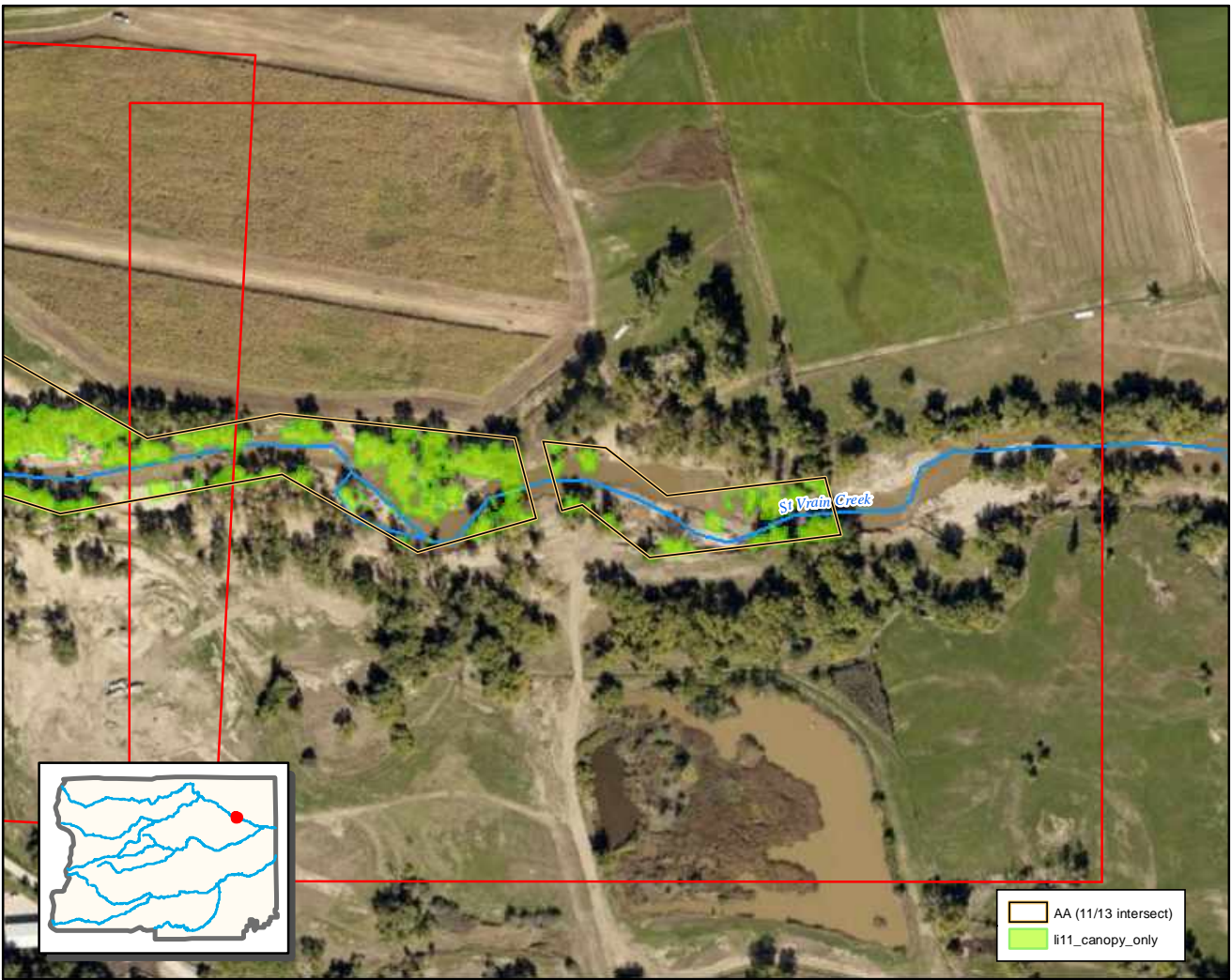
Tile 90



0 0.05 0.1 Km

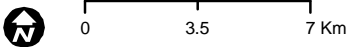
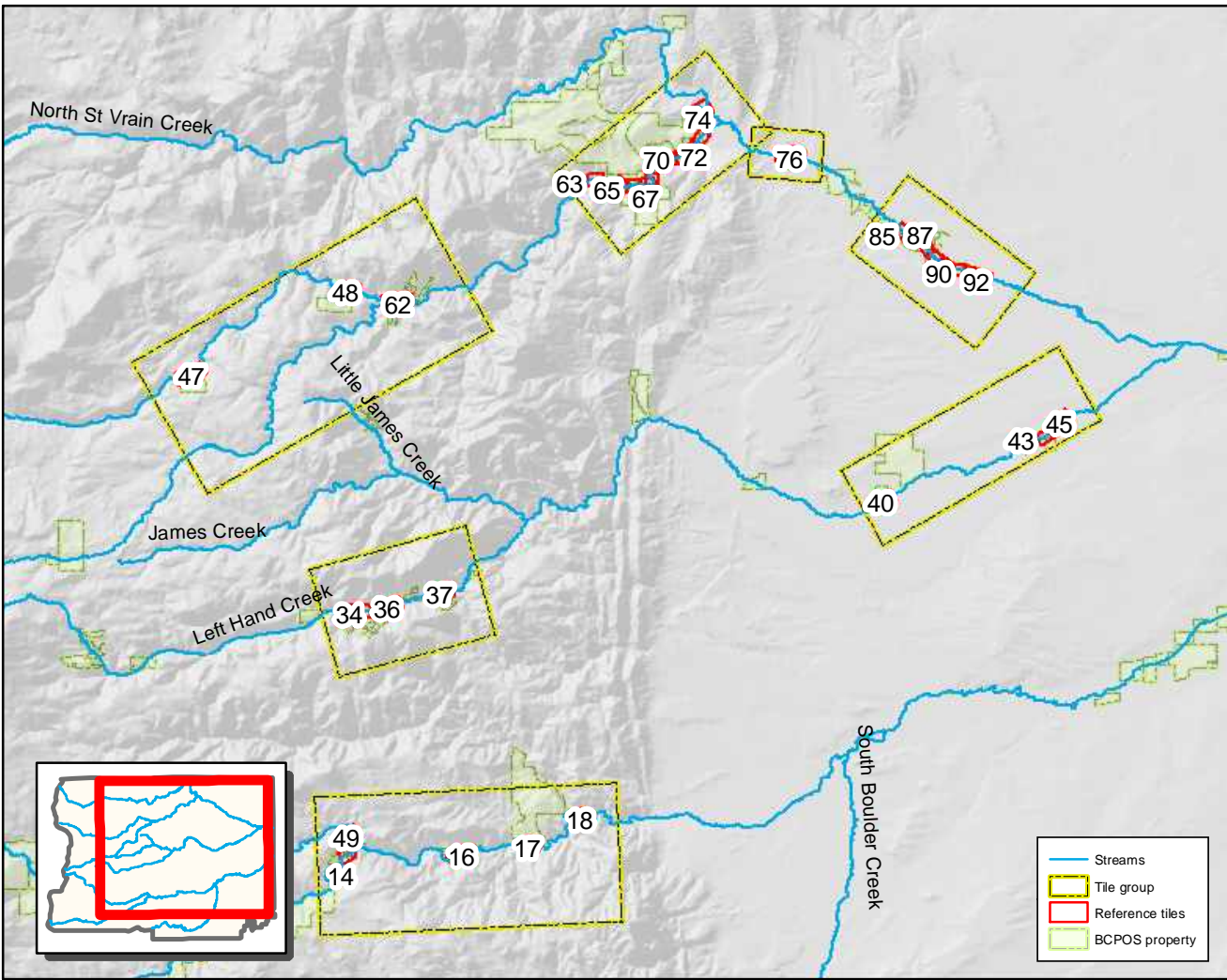
Tree canopy: 2011

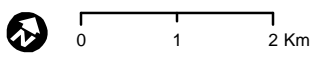
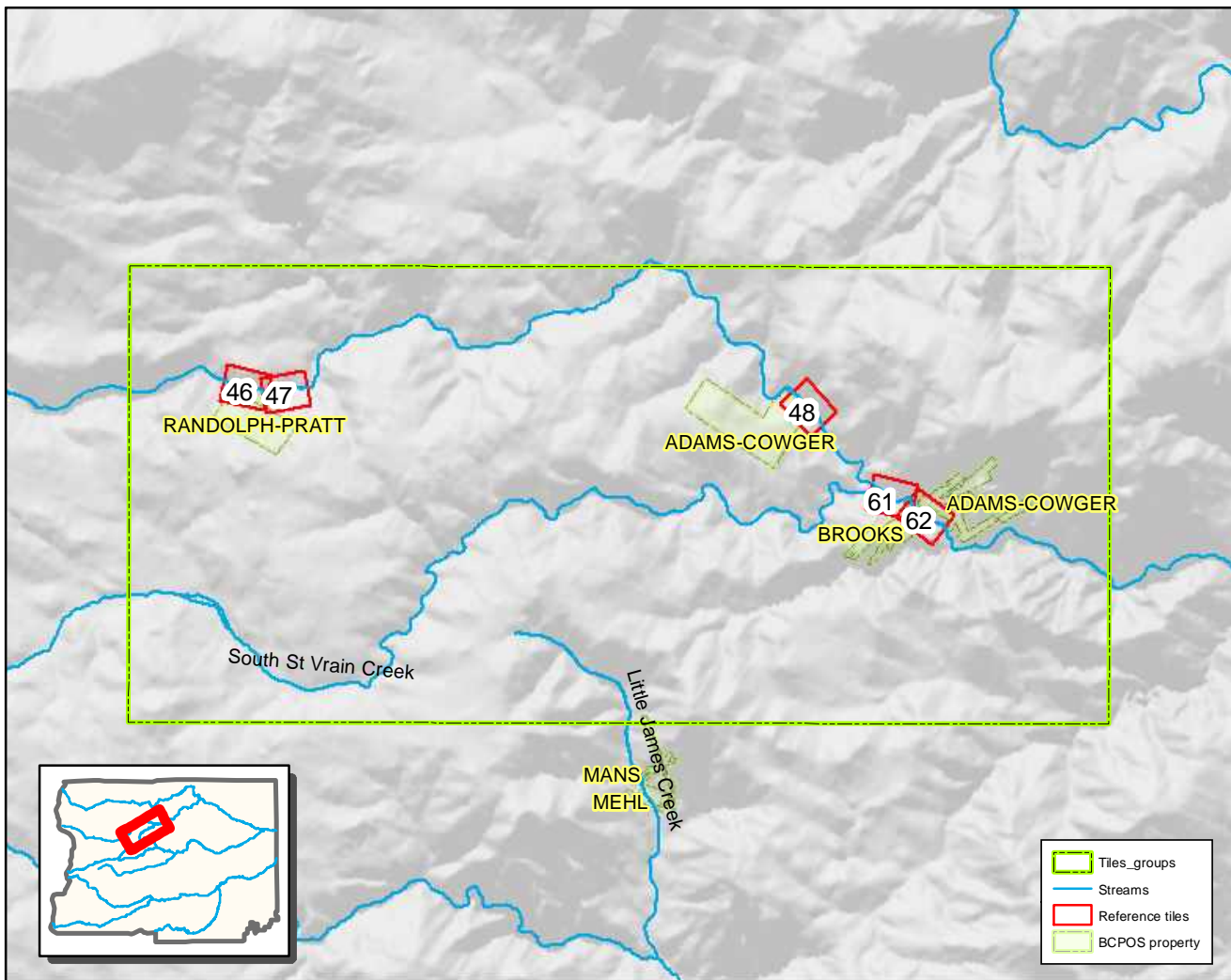
Tile 91



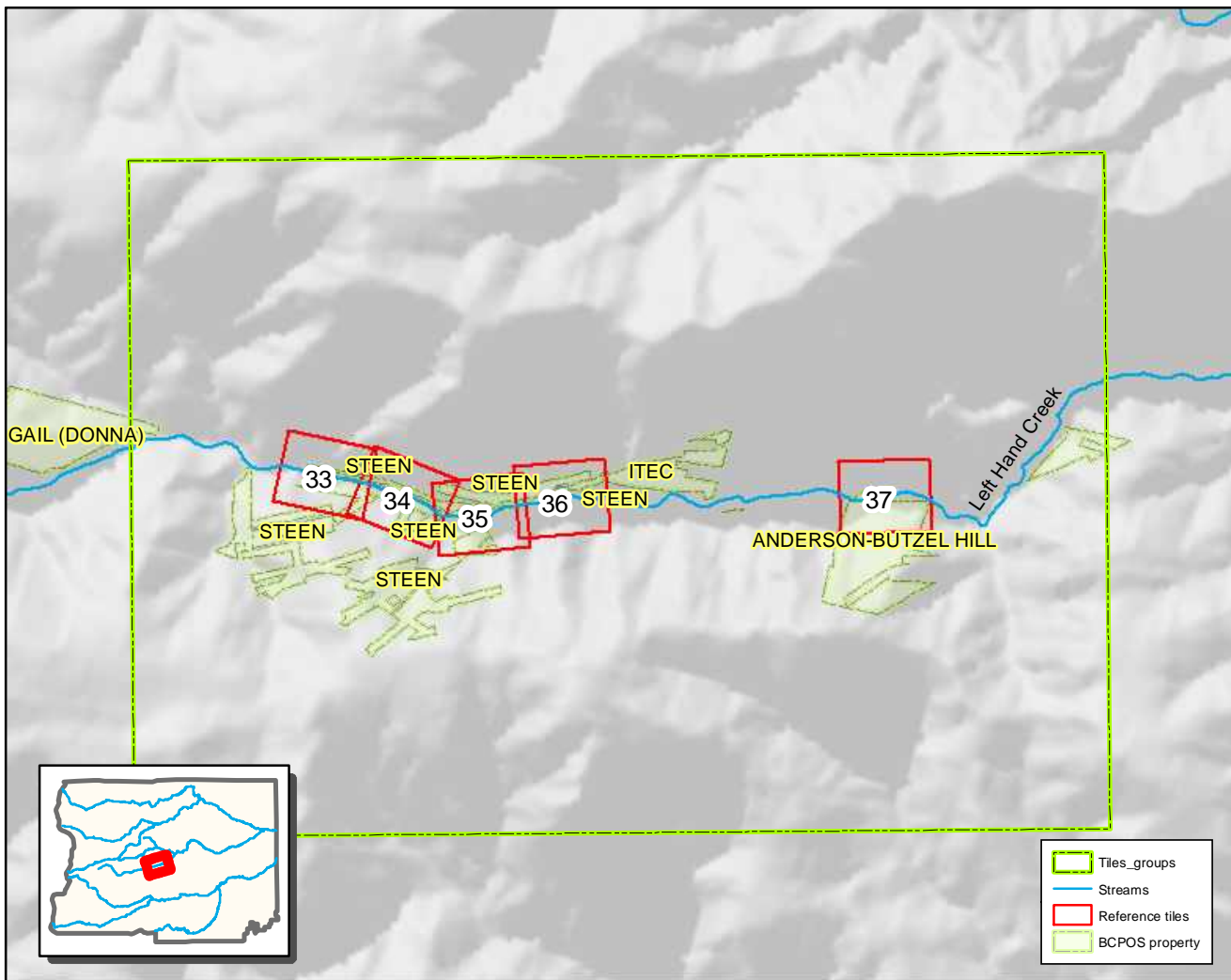
Tree canopy: 2011

Tile 92

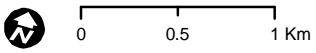


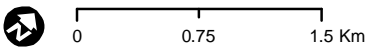
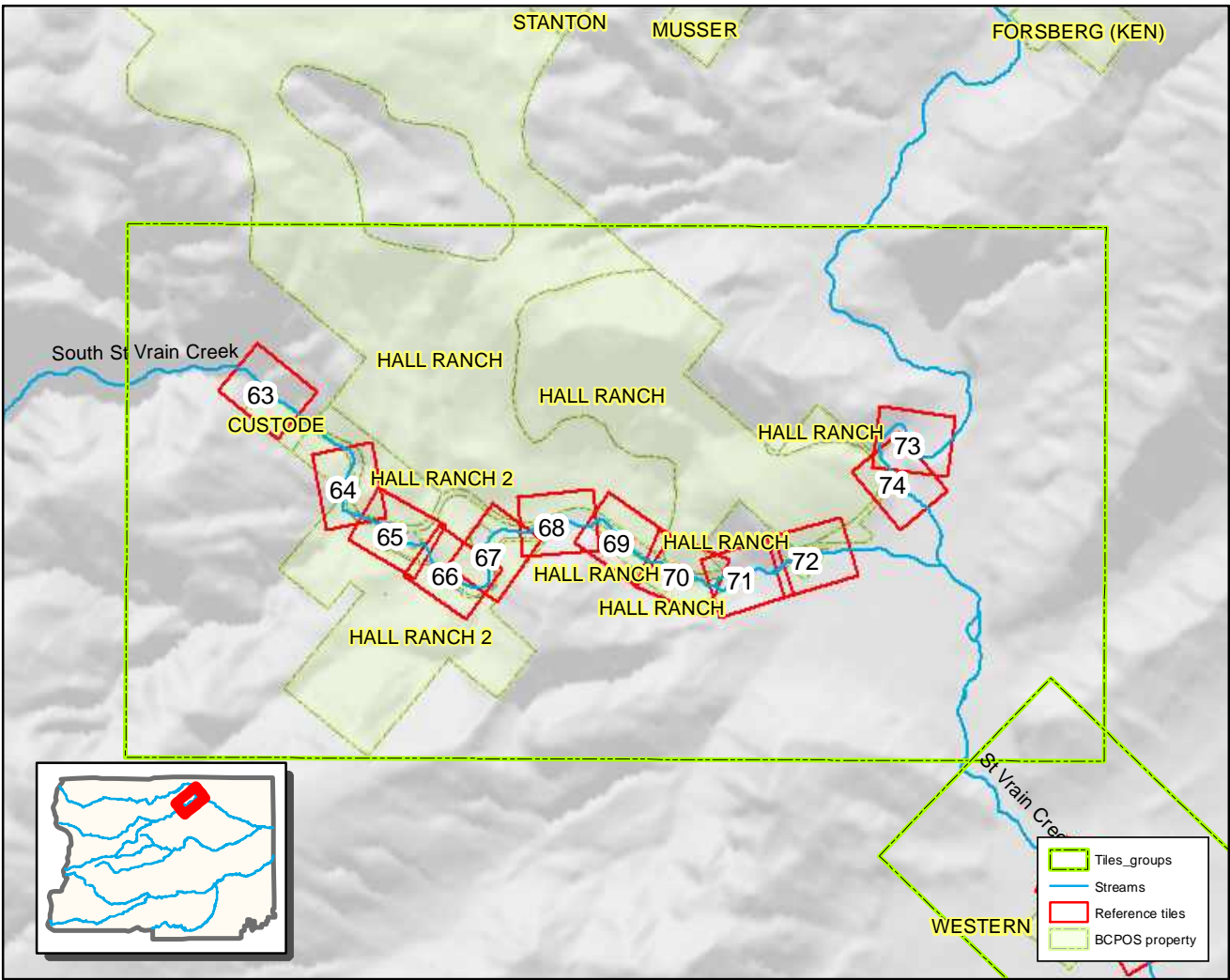


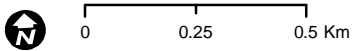
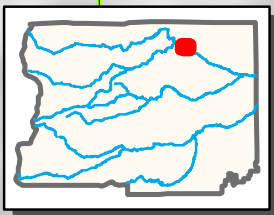
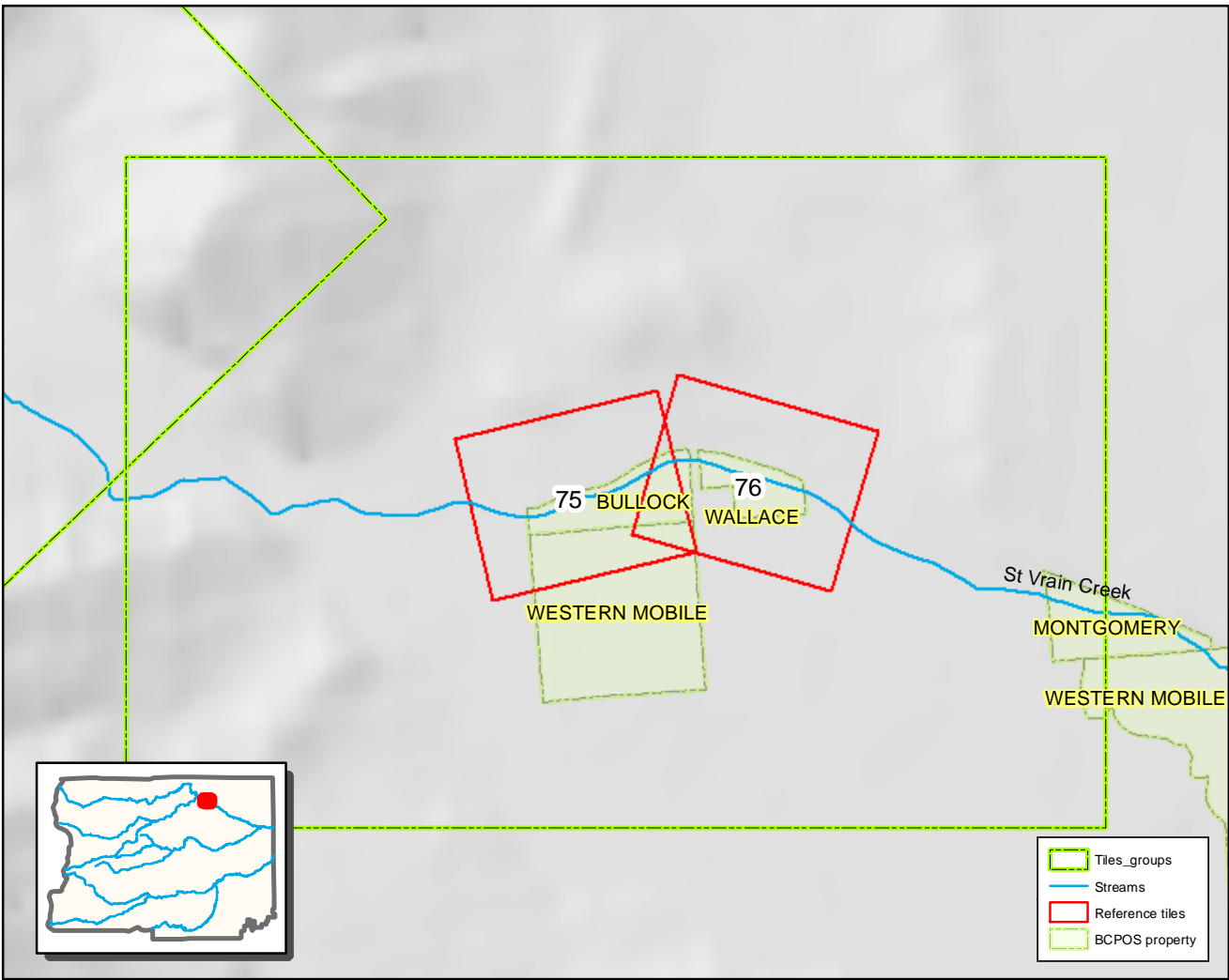
- Tiles_groups
- Streams
- Reference tiles
- BCPOS property

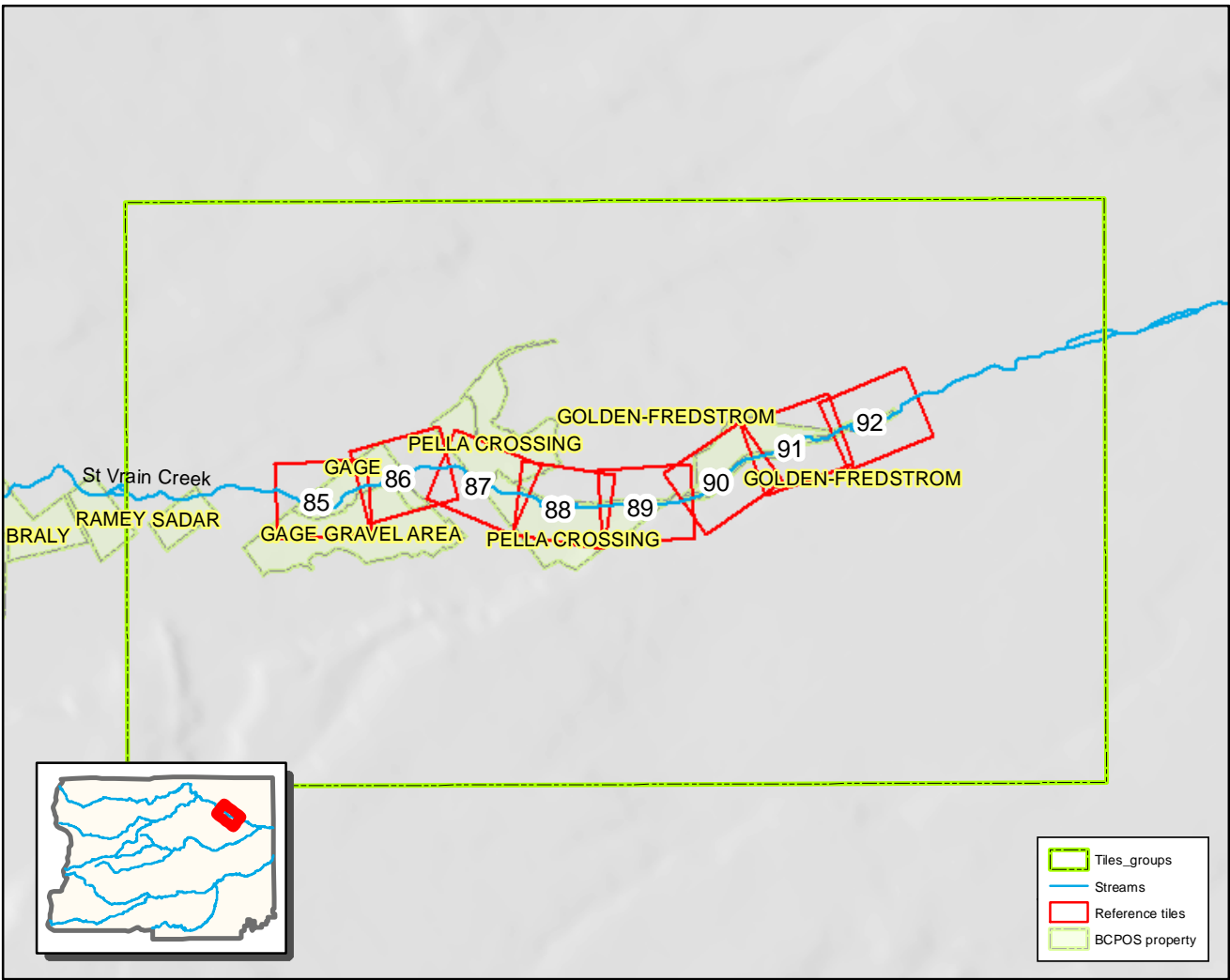


- Tiles_groups
- Streams
- Reference tiles
- BCPOS property



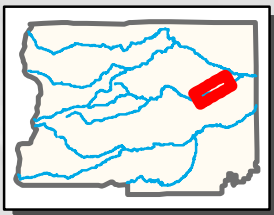
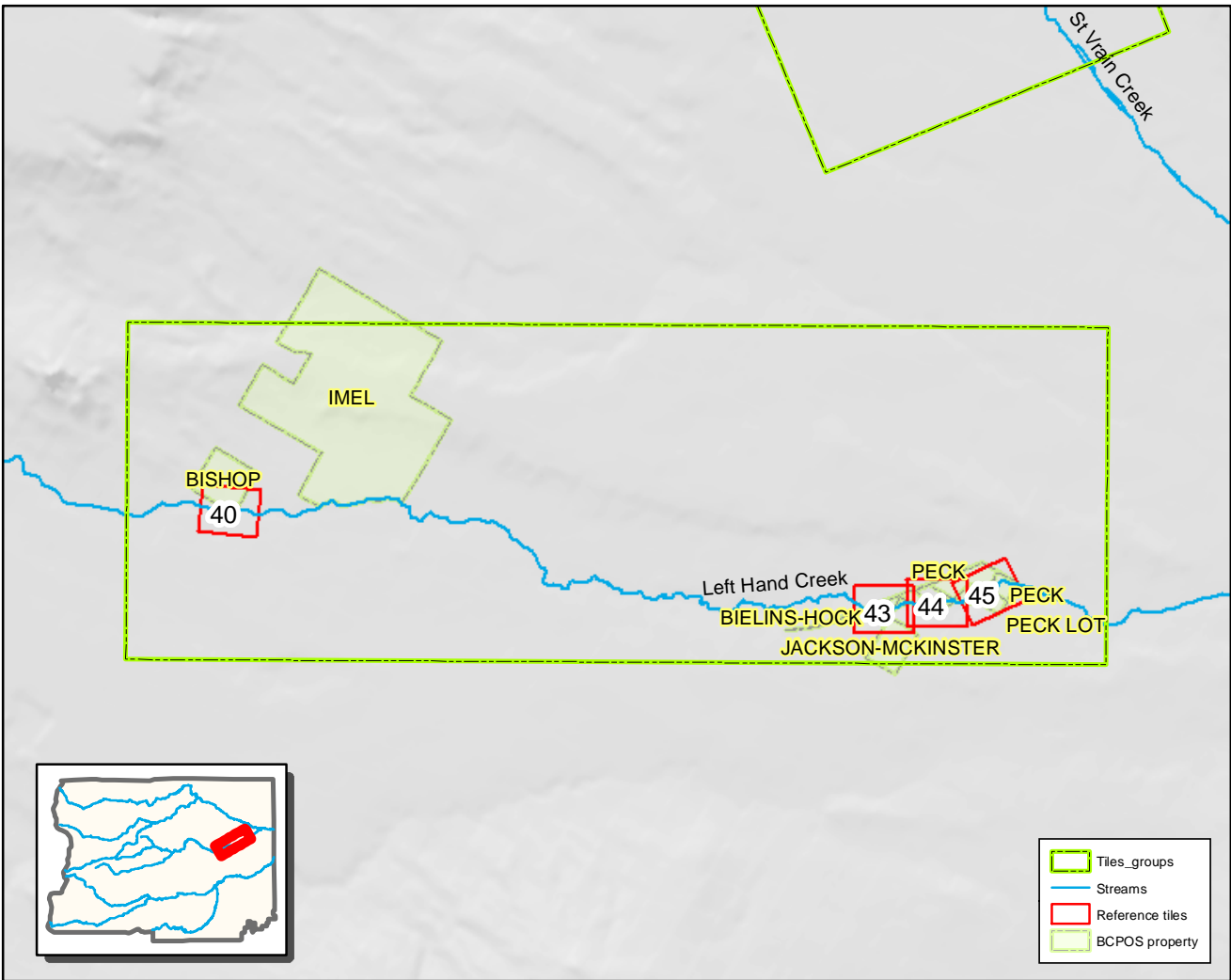




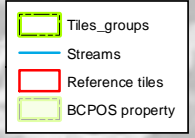
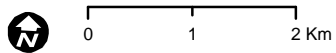
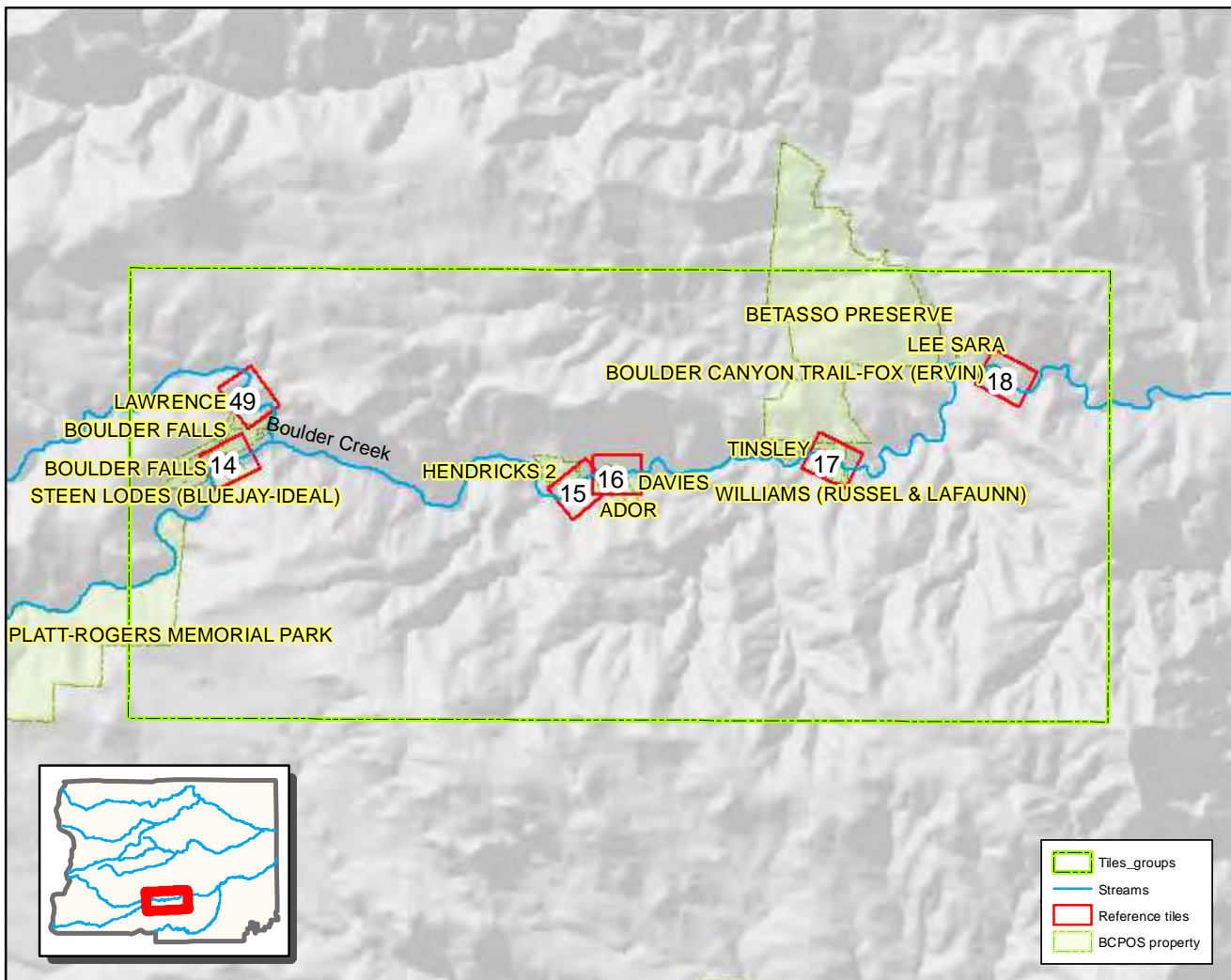


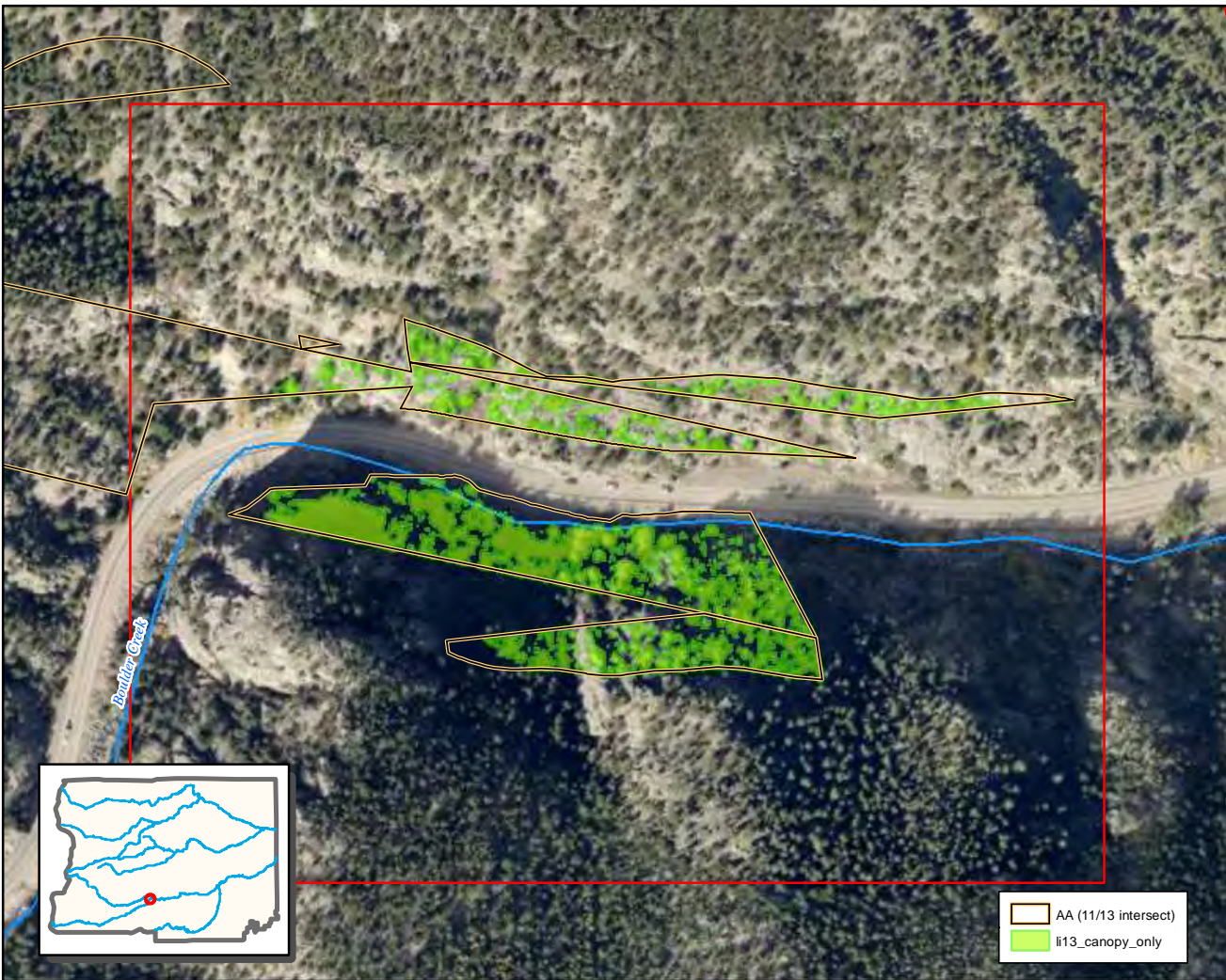
0 0.5 1 Km

- Tiles_groups
- Streams
- Reference tiles
- BCPOS property



0 0.75 1.5 Km

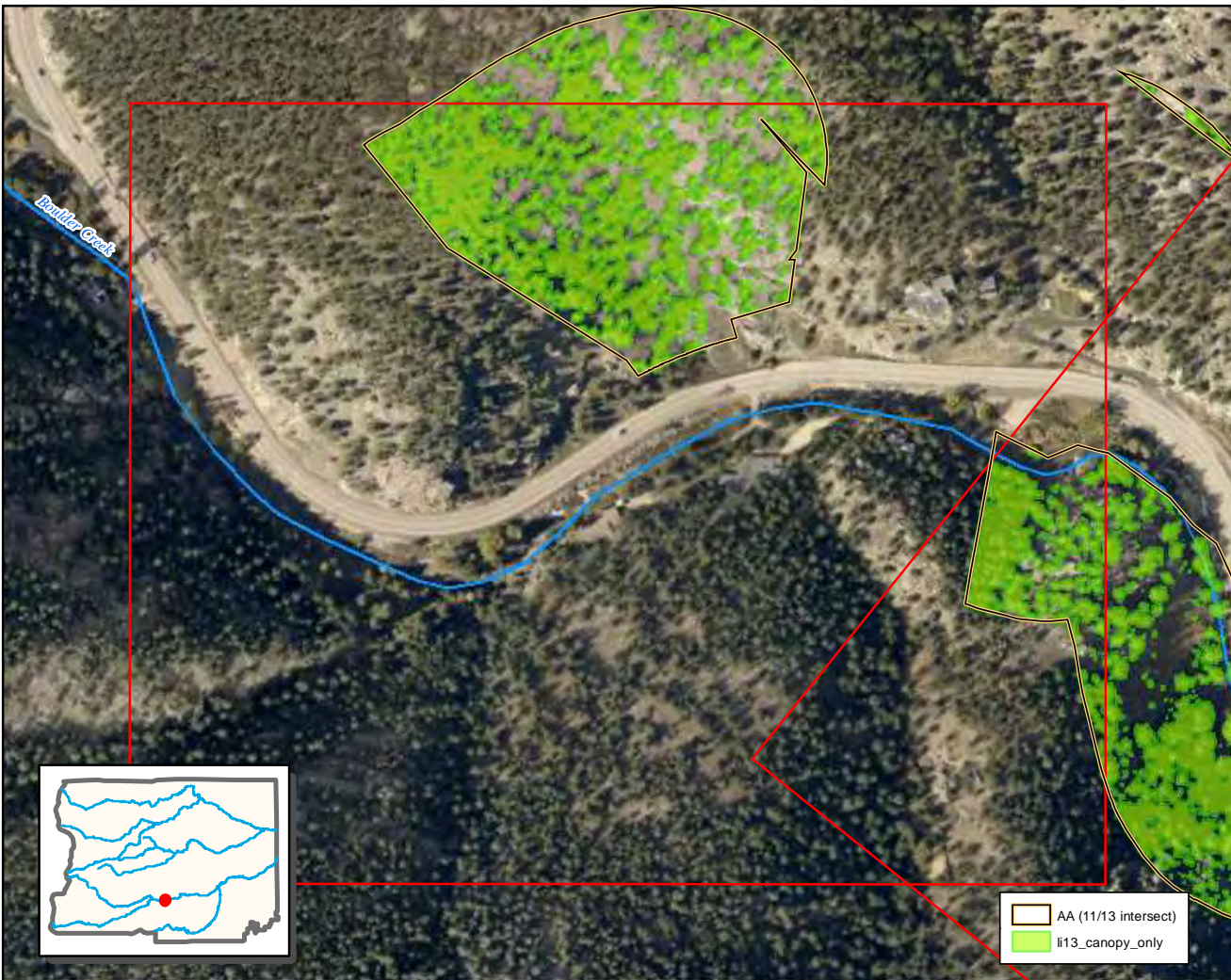




0 0.05 0.1 Km

Tree canopy: 2013

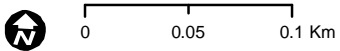
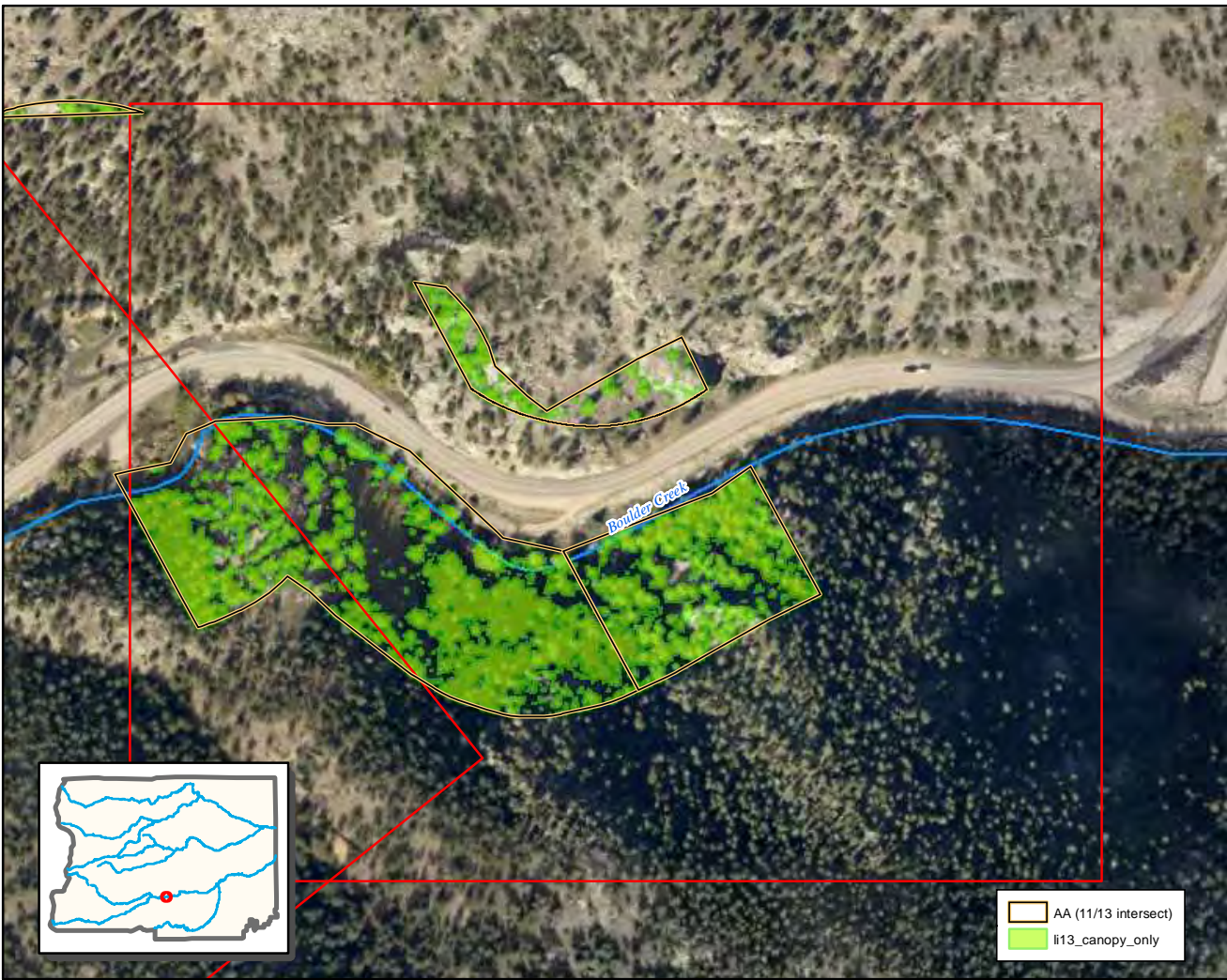
Tile 14



0 0.05 0.1 Km

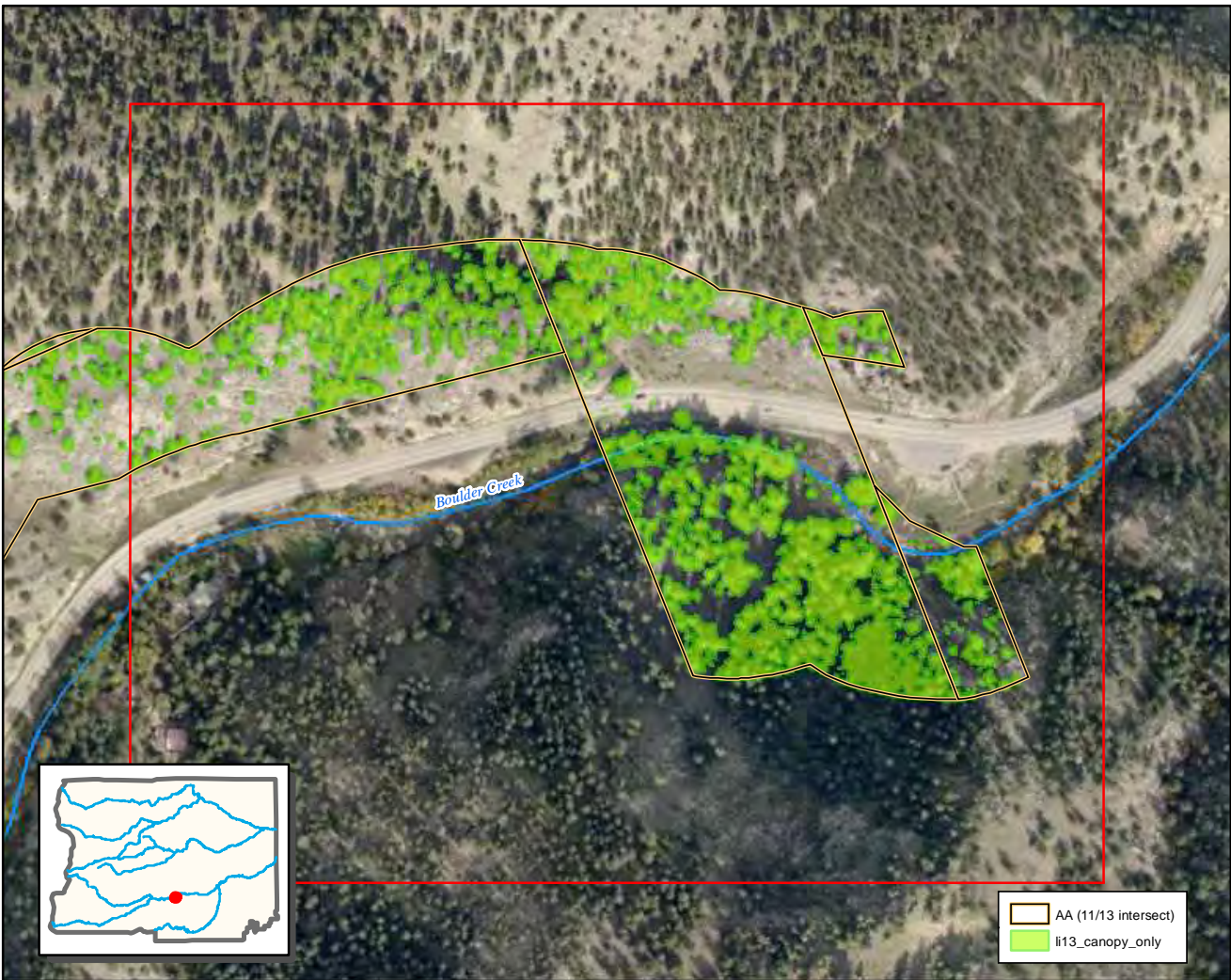
Tree canopy: 2013

Tile 15



Tree canopy: 2013

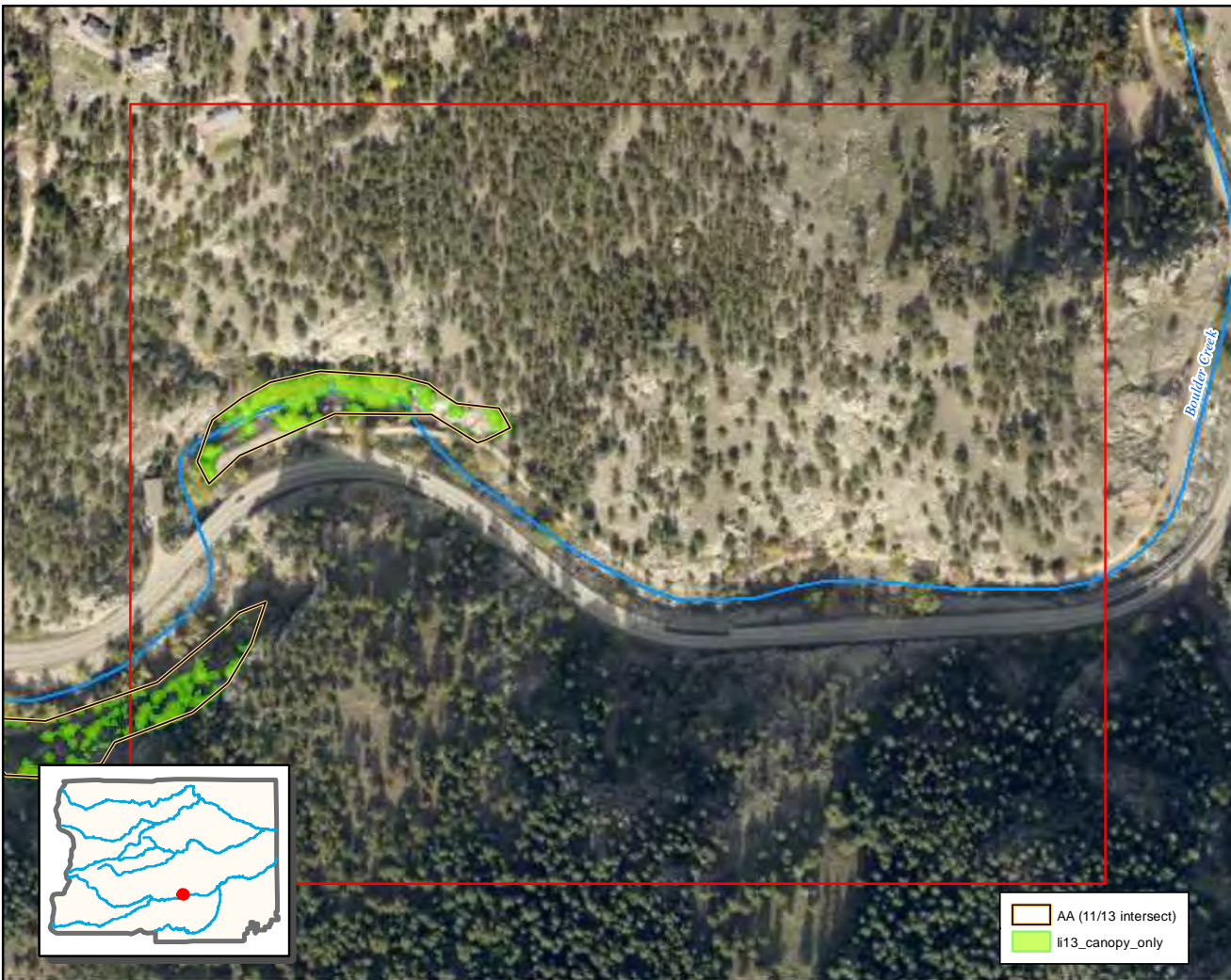
Tile 16



0 0.05 0.1 Km

Tree canopy: 2013

Tile 17

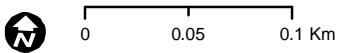
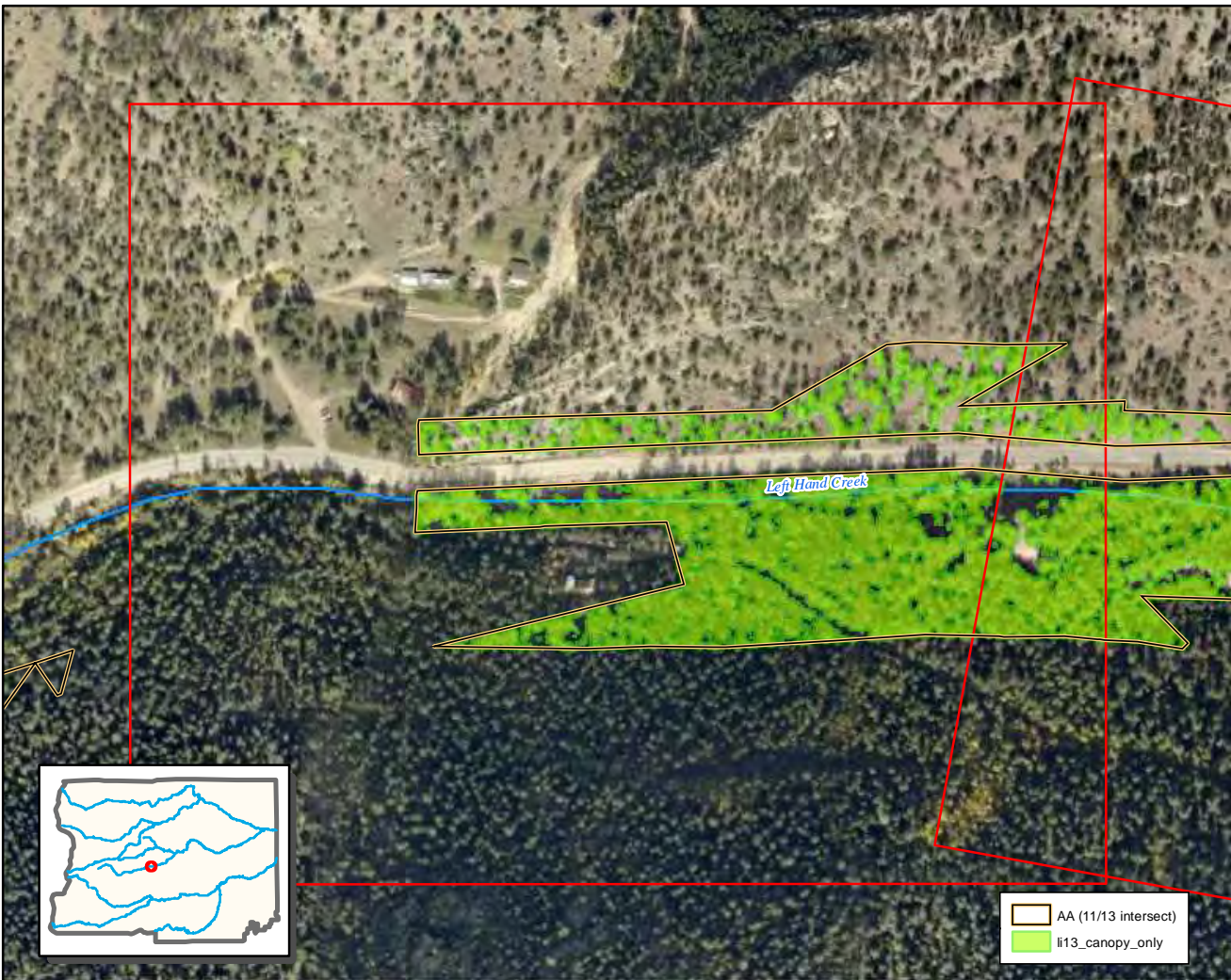


0 0.05 0.1 Km

Tree canopy: 2013

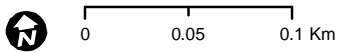
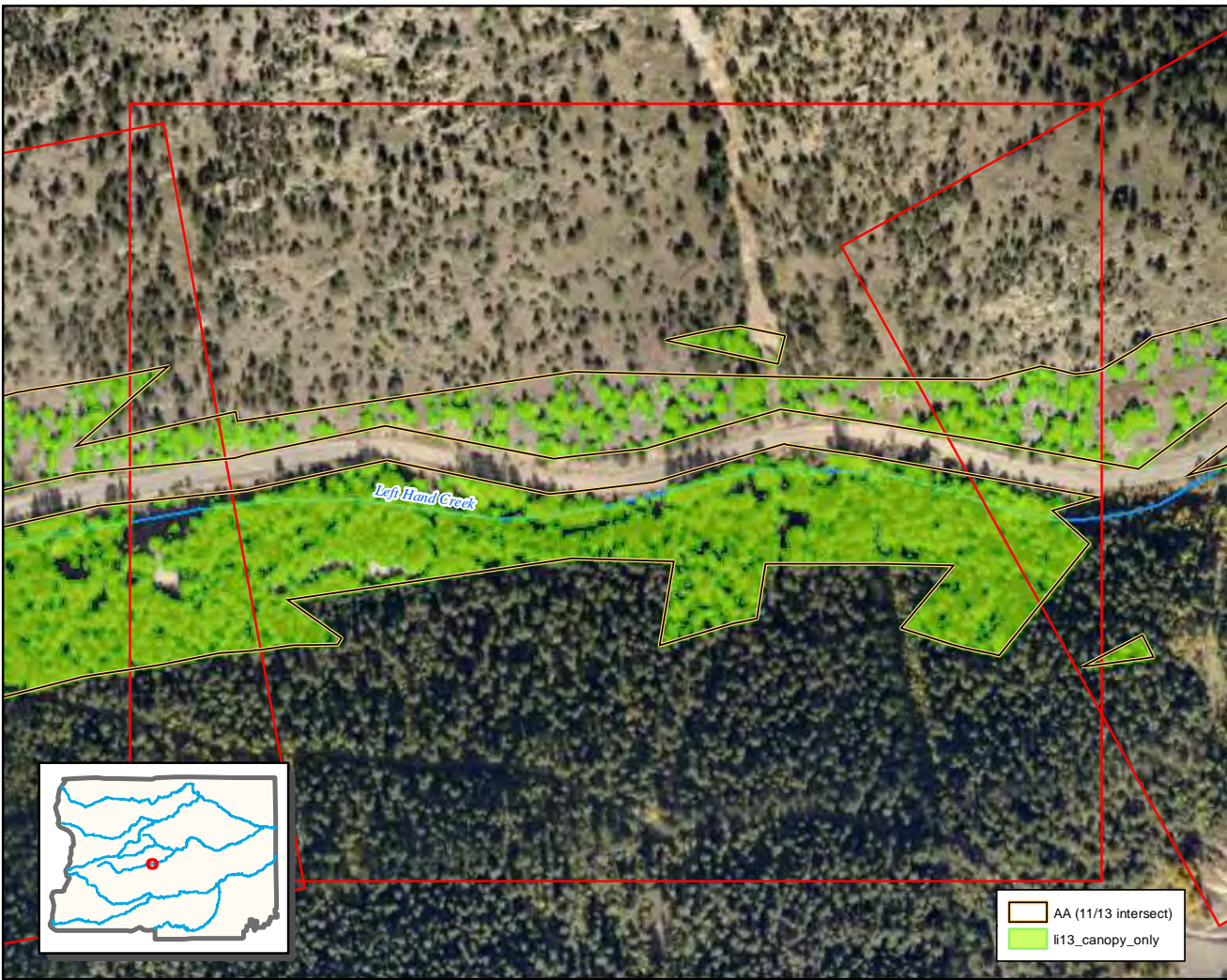
- AA (11/13 intersect)
- li13_canopy_only

Tile 18

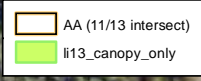


Tree canopy: 2013

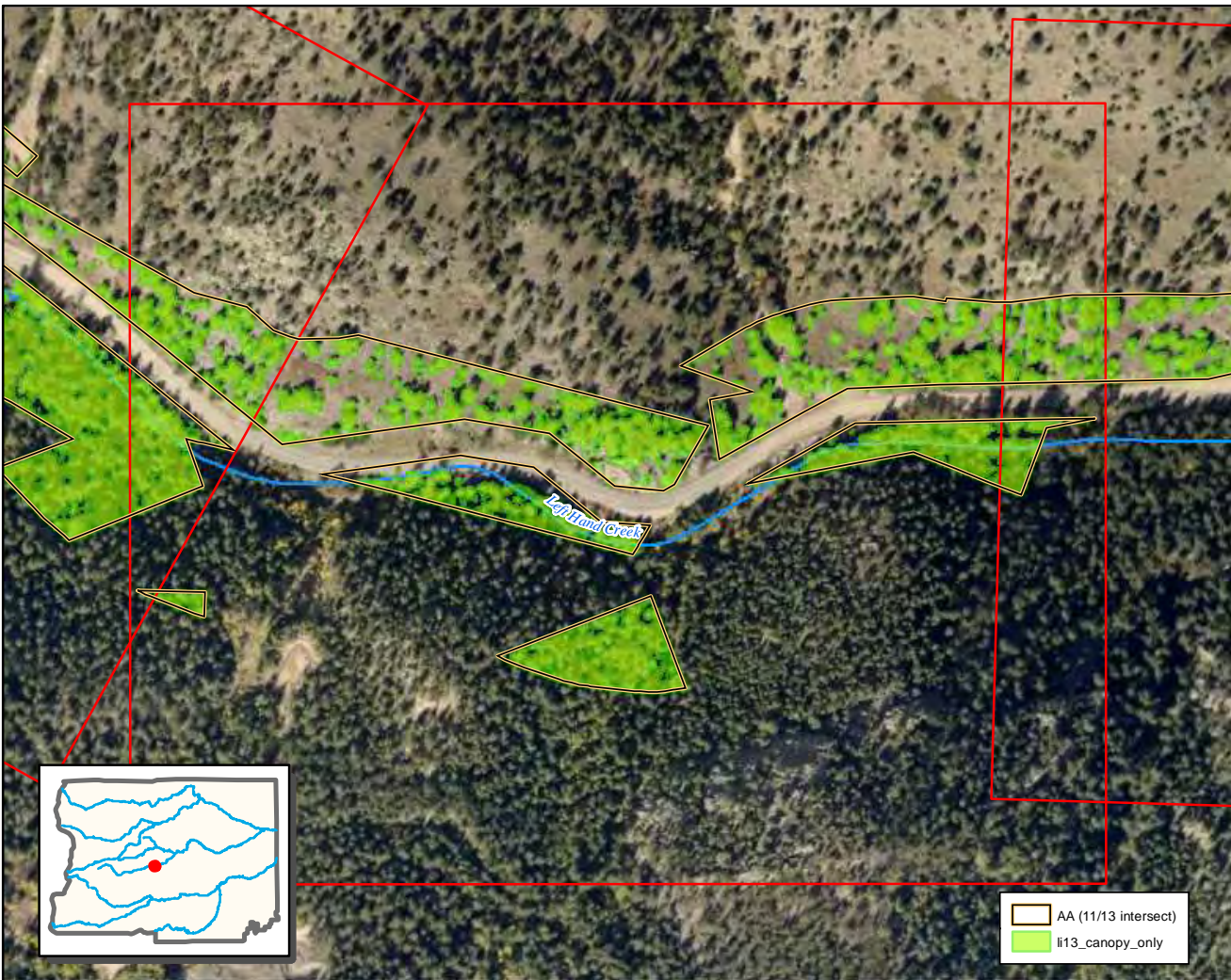
Tile 33



Tree canopy: 2013



Tile 34



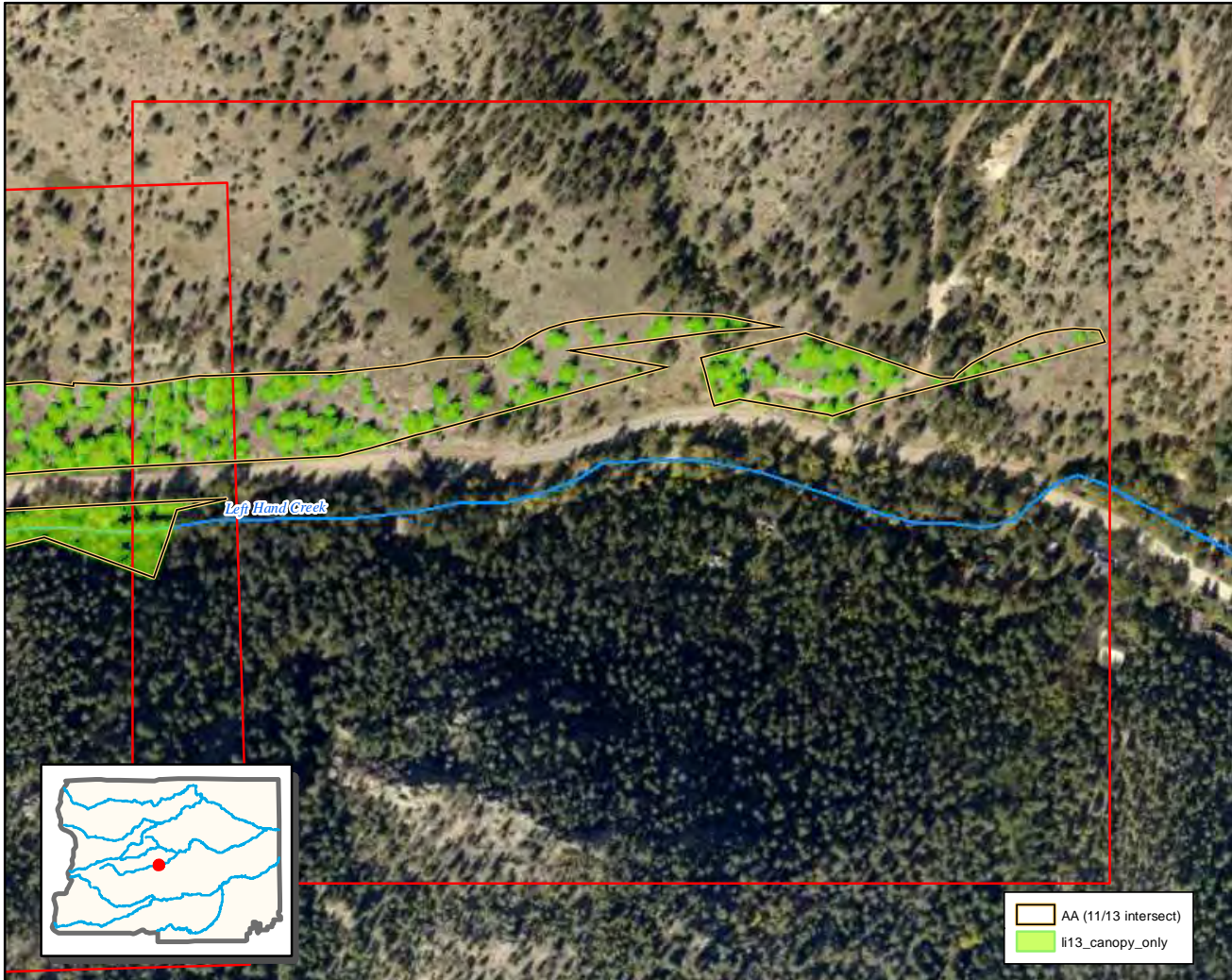
Left Hand Creek

- AA (11/13 intersect)
- li13_canopy_only

0 0.05 0.1 Km

Tree canopy: 2013

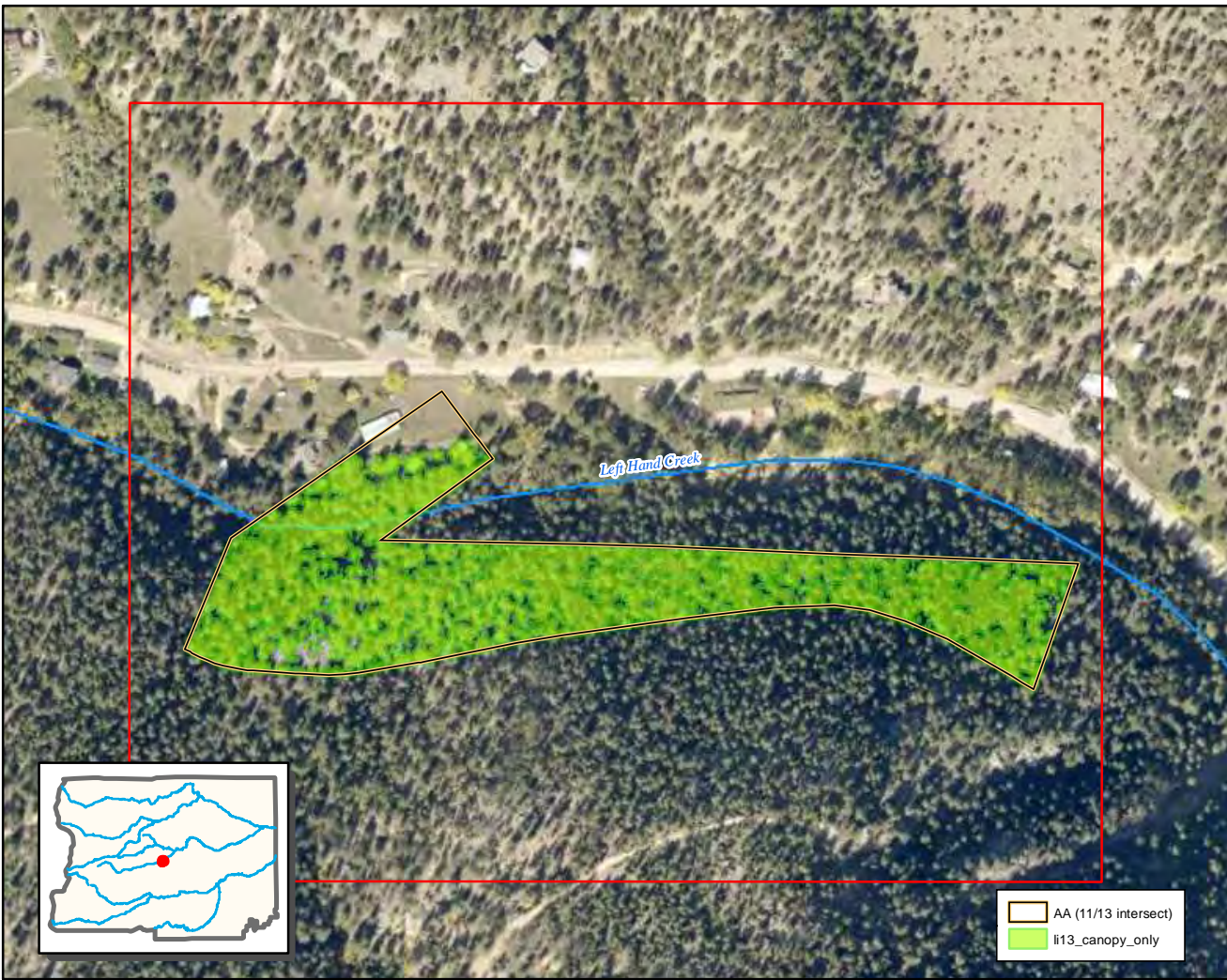
Tile 35



0 0.05 0.1 Km

Tree canopy: 2013

Tile 36



0 0.05 0.1 Km

Tree canopy: 2013

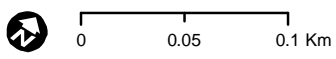
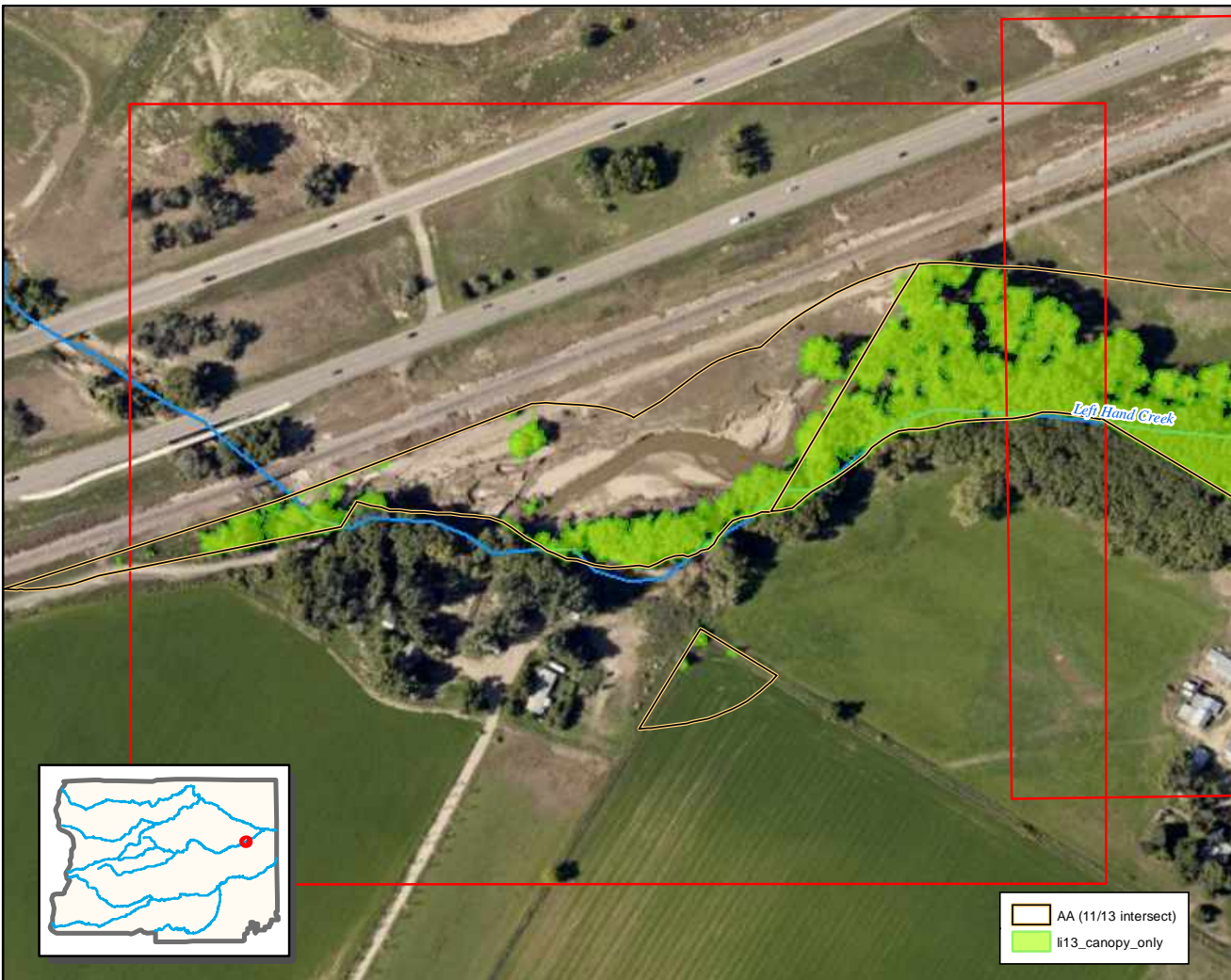
Tile 37



0 0.05 0.1 Km

Tree canopy: 2013

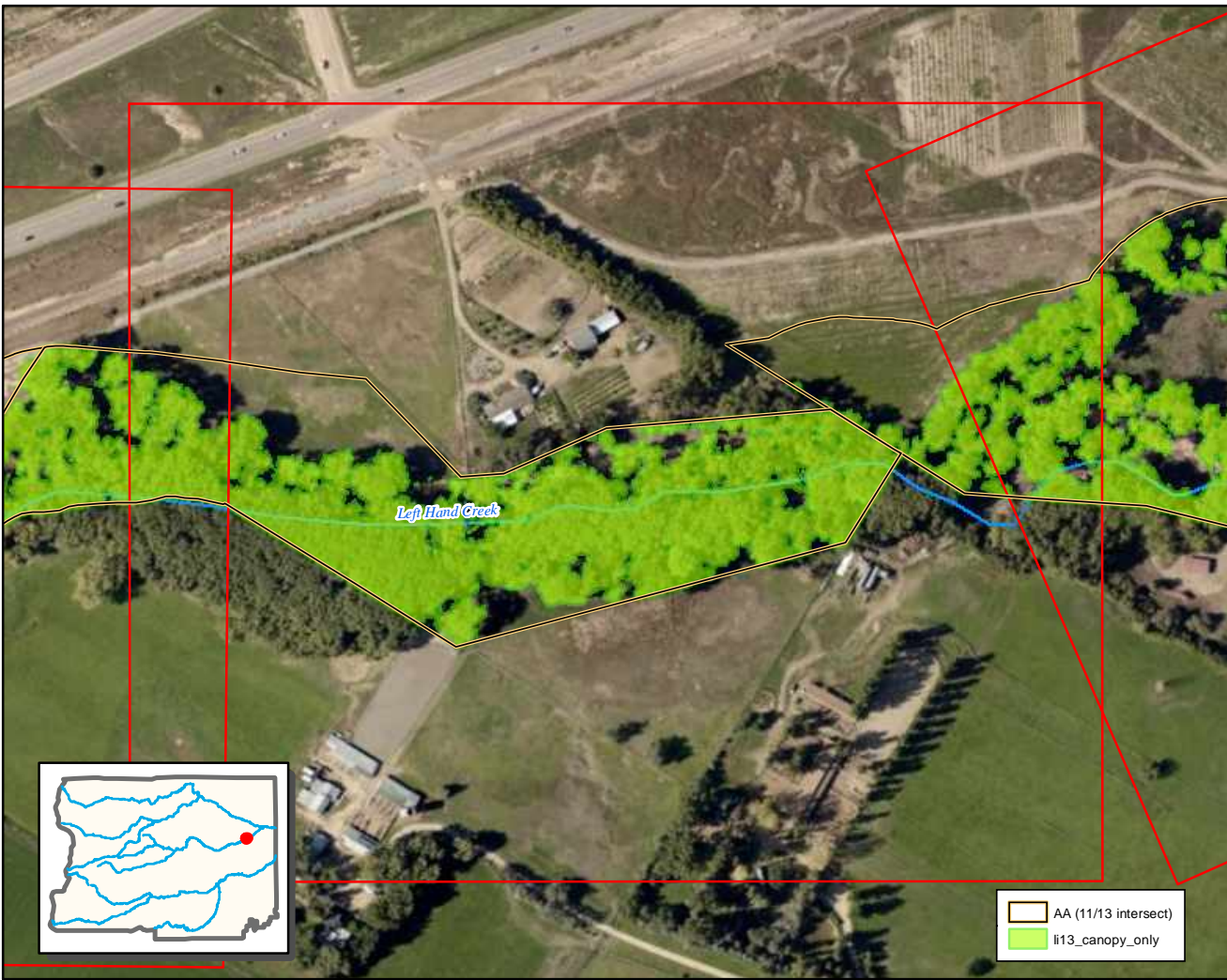
Tile 40



Tree canopy: 2013

AA (11/13 intersect)
li13_canopy_only

Tile 43



0 0.05 0.1 Km

Tree canopy: 2013

AA (11/13 intersect)
li13_canopy_only

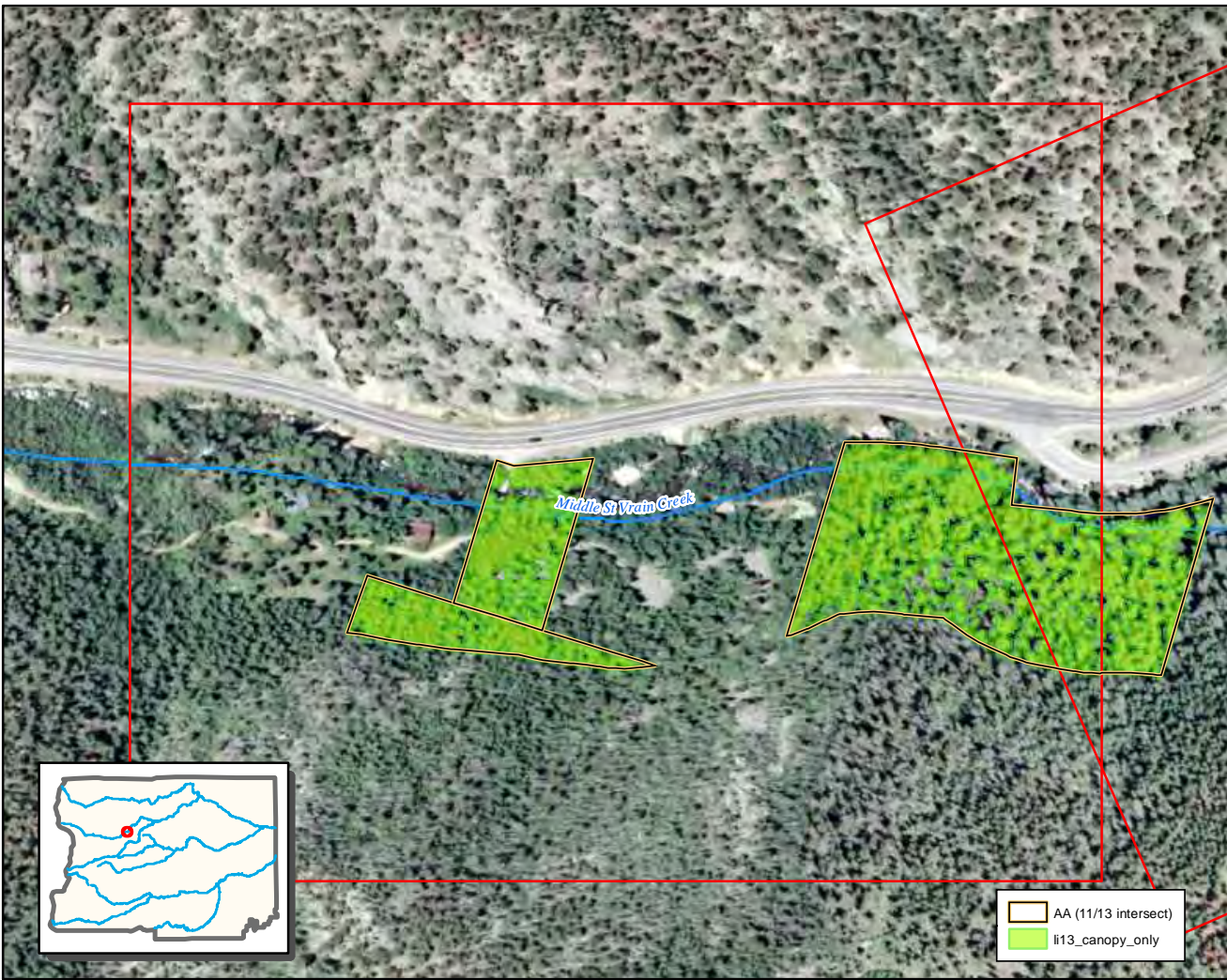
Tile 44



0 0.05 0.1 Km

Tree canopy: 2013

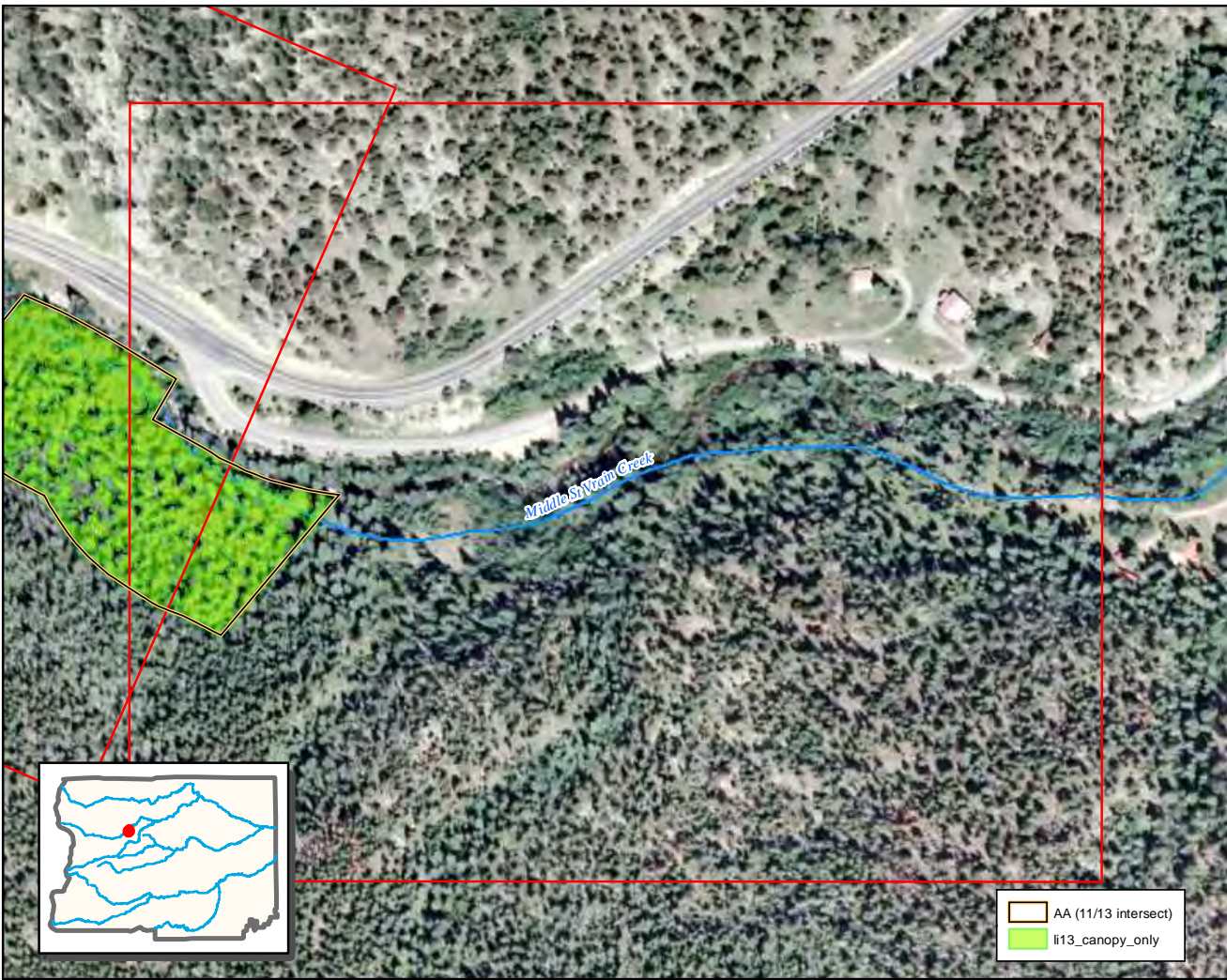
Tile 45



0 0.05 0.1 Km

Tree canopy: 2013

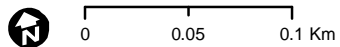
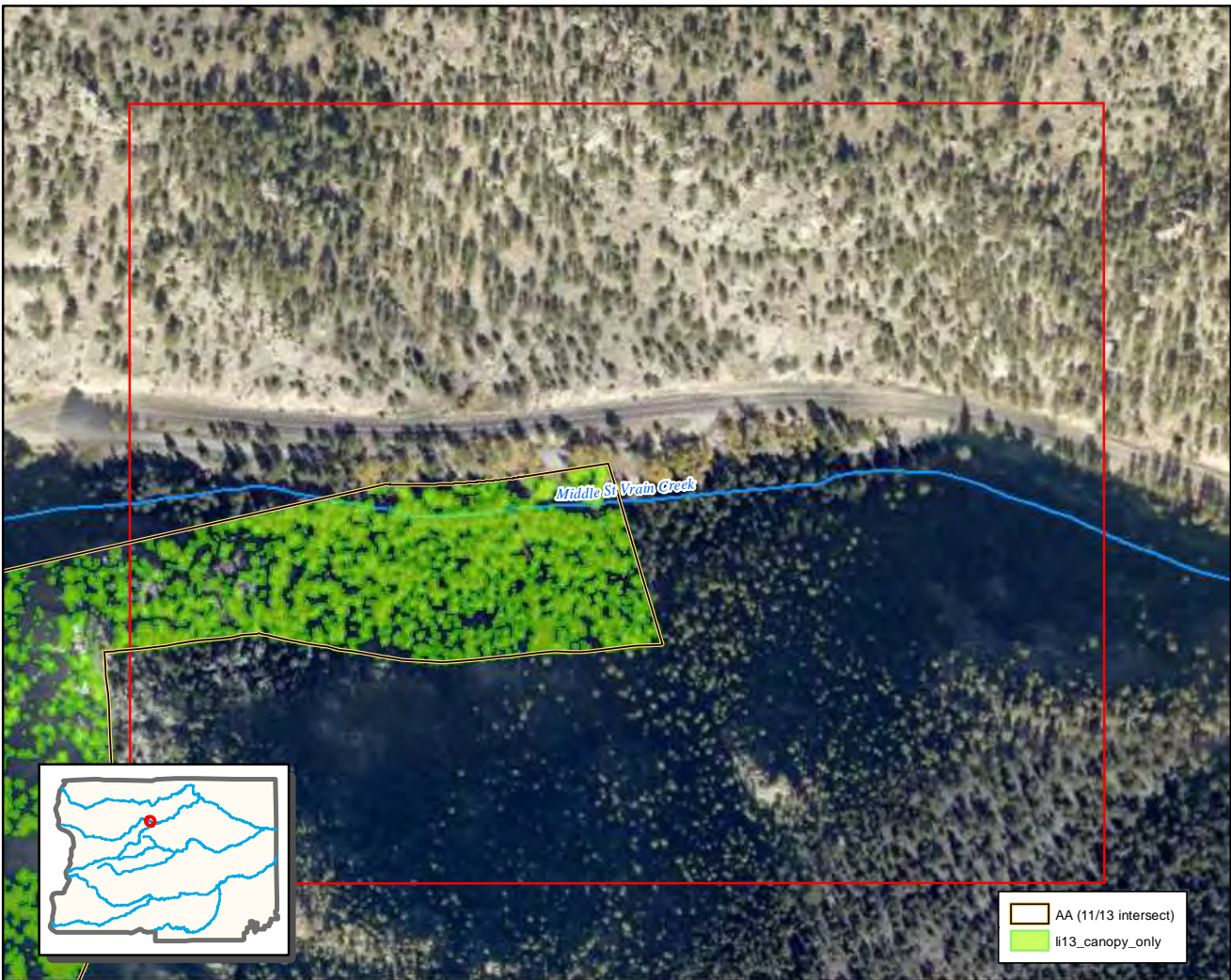
Tile 46



0 0.05 0.1 Km

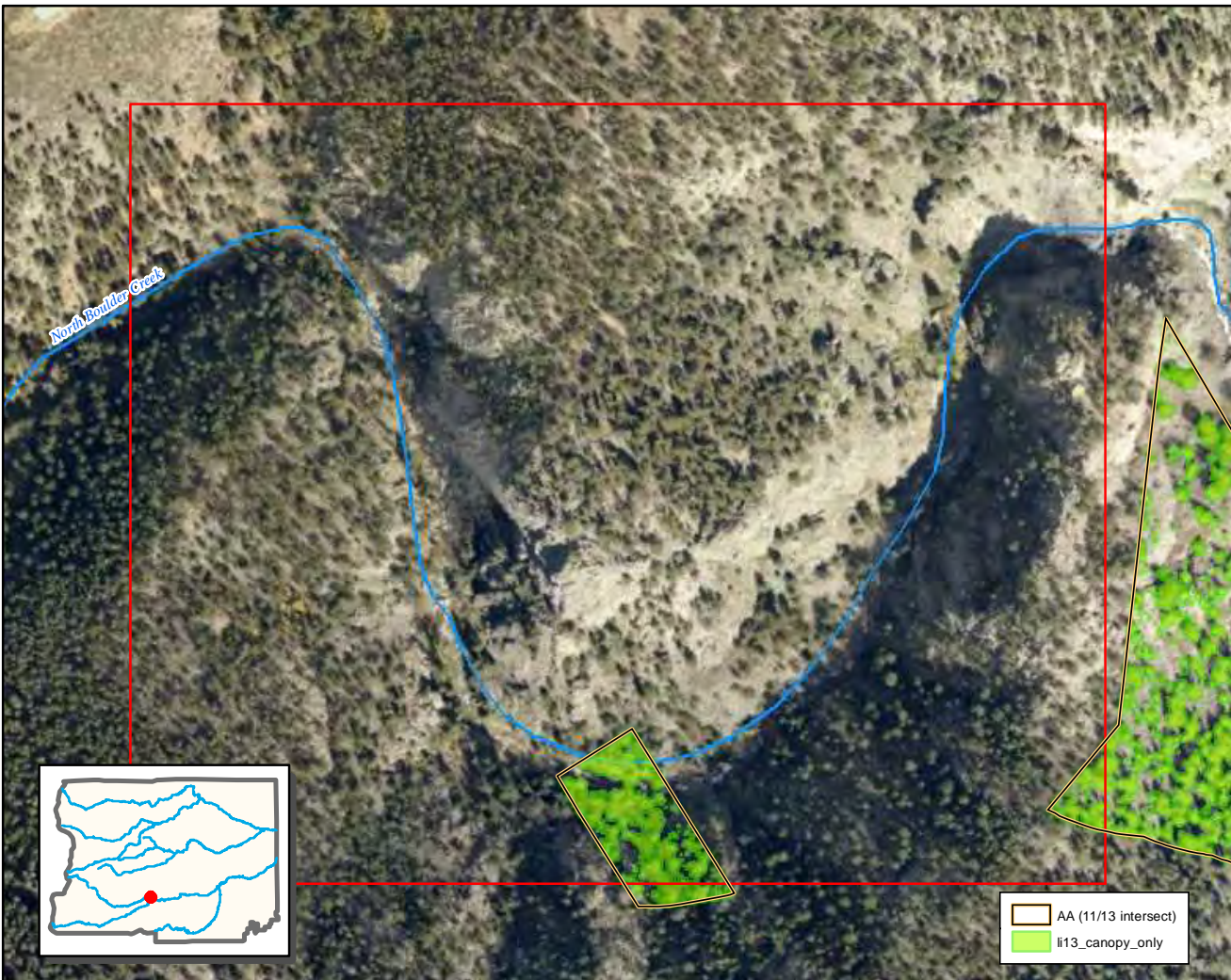
Tree canopy: 2013

Tile 47



Tree canopy: 2013

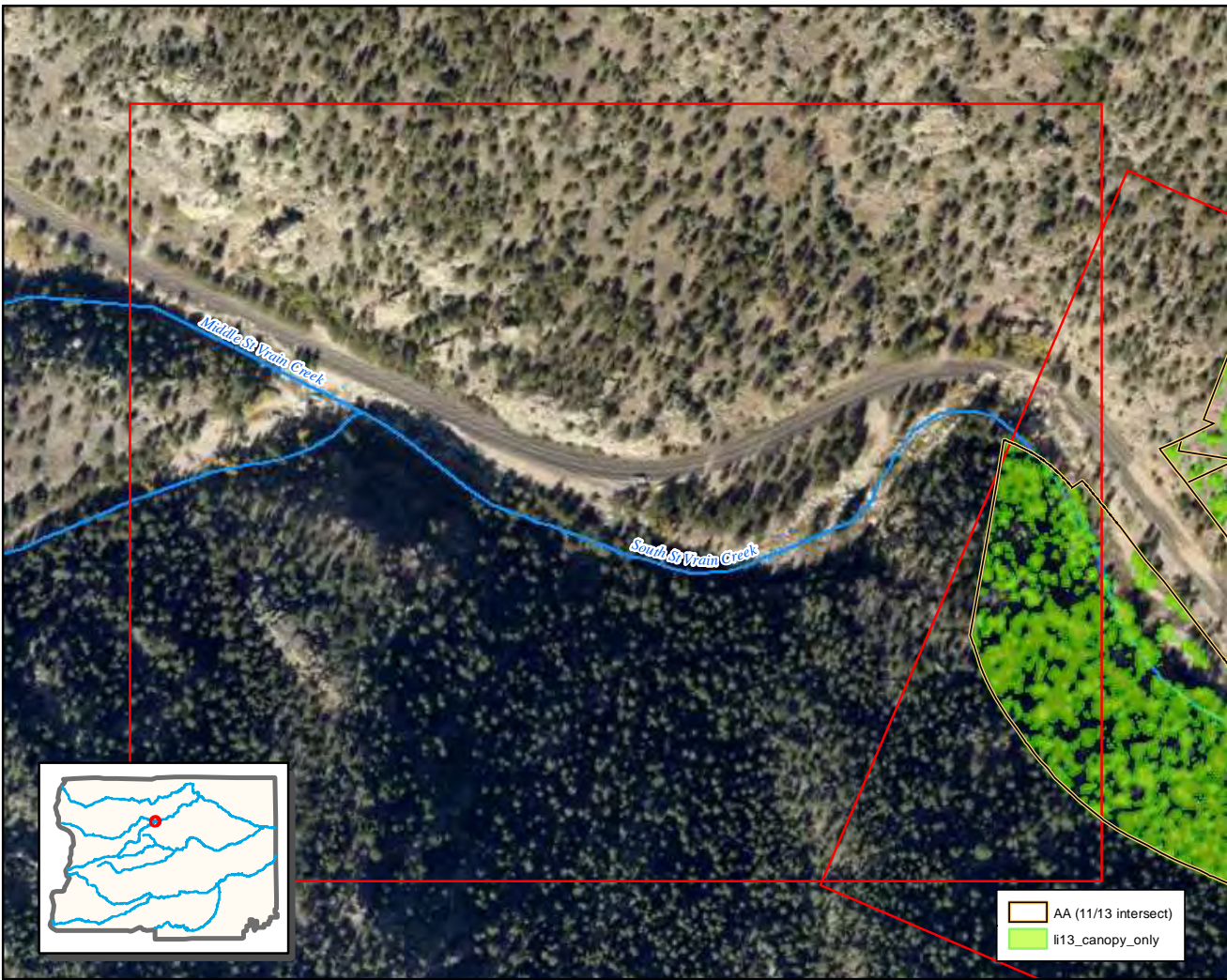
Tile 48



0 0.05 0.1 Km

Tree canopy: 2013

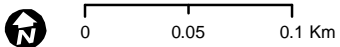
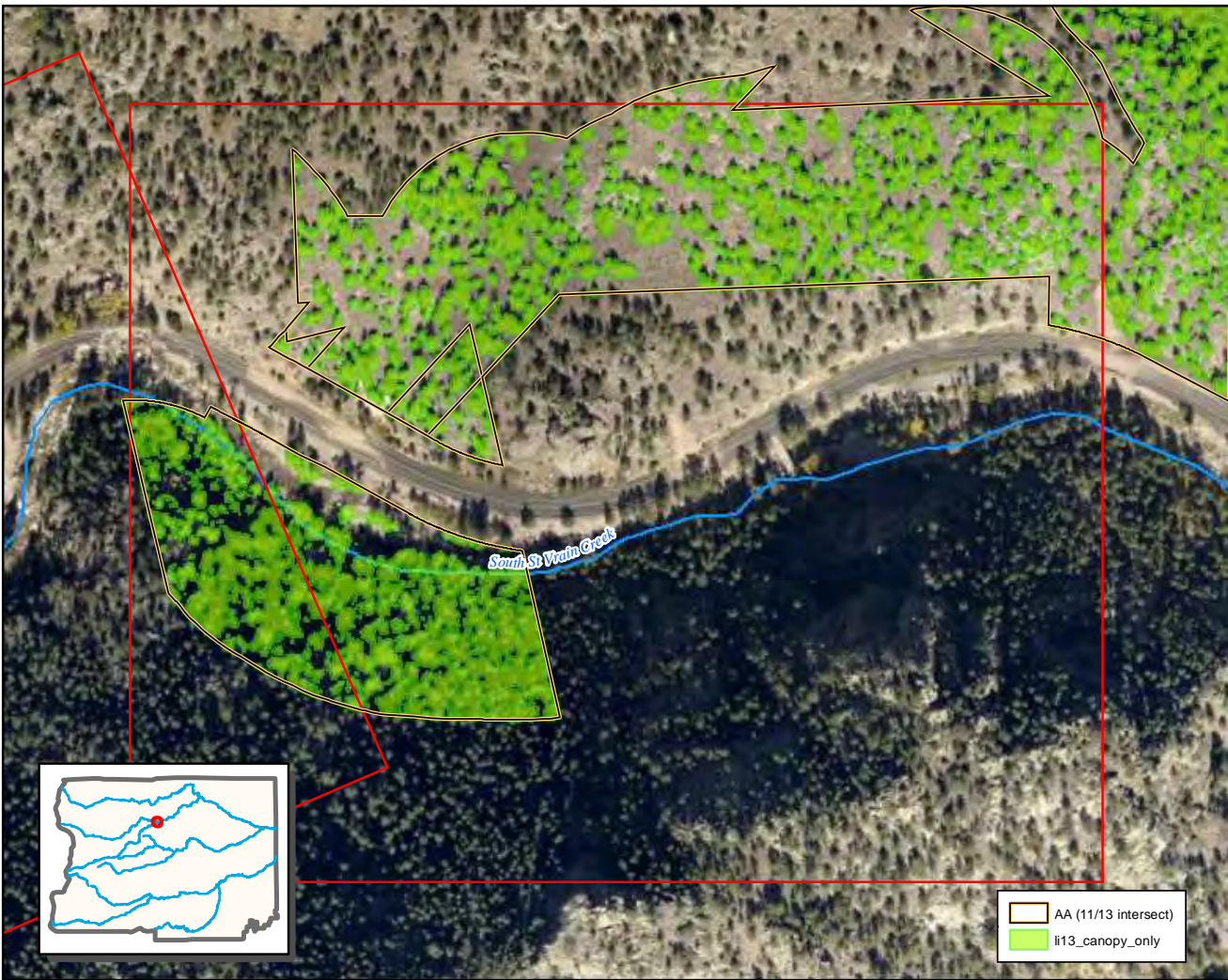
Tile 49



0 0.05 0.1 Km

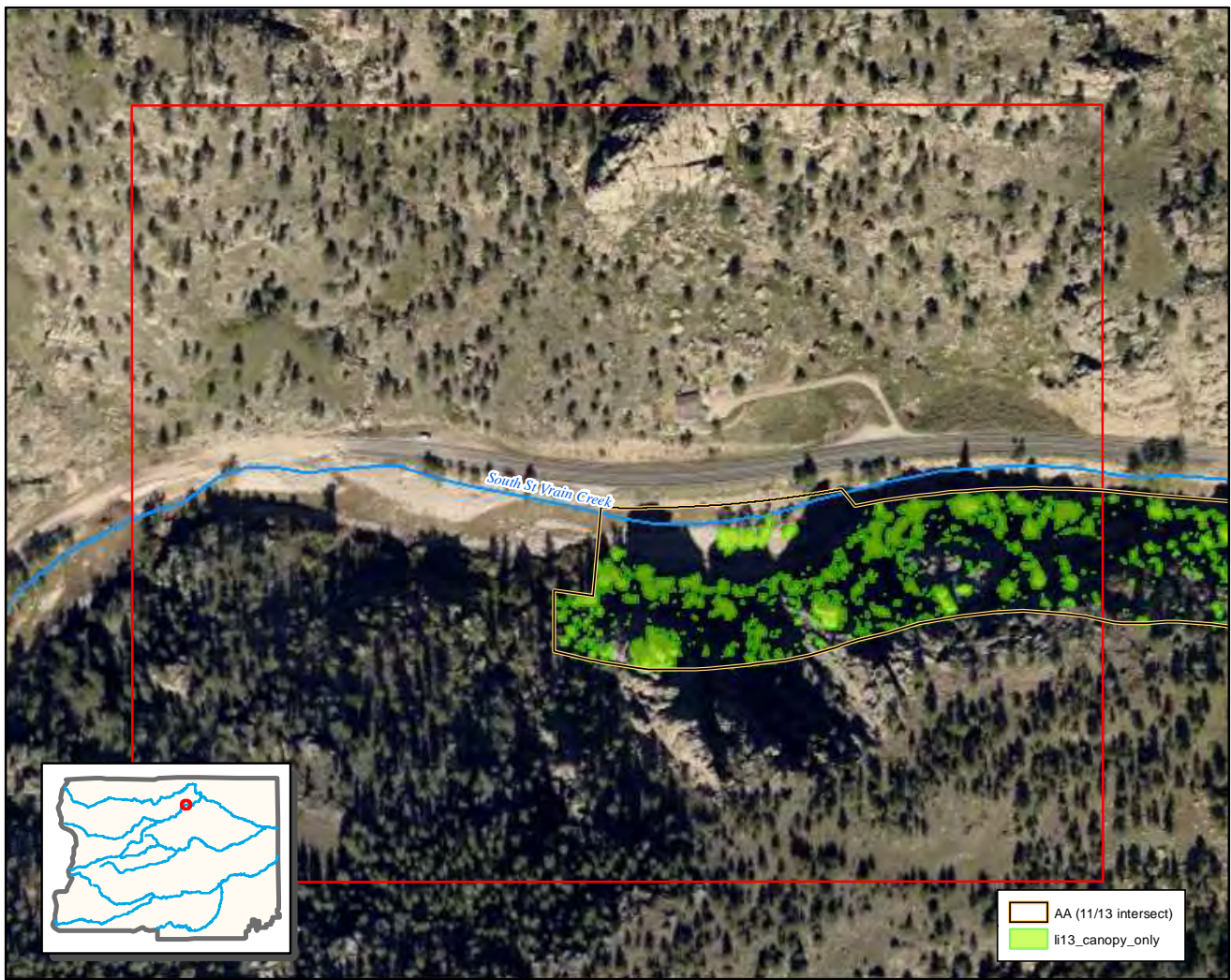
Tree canopy: 2013

Tile 61



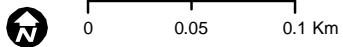
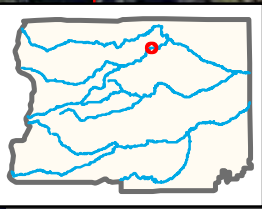
Tree canopy: 2013

Tile 62



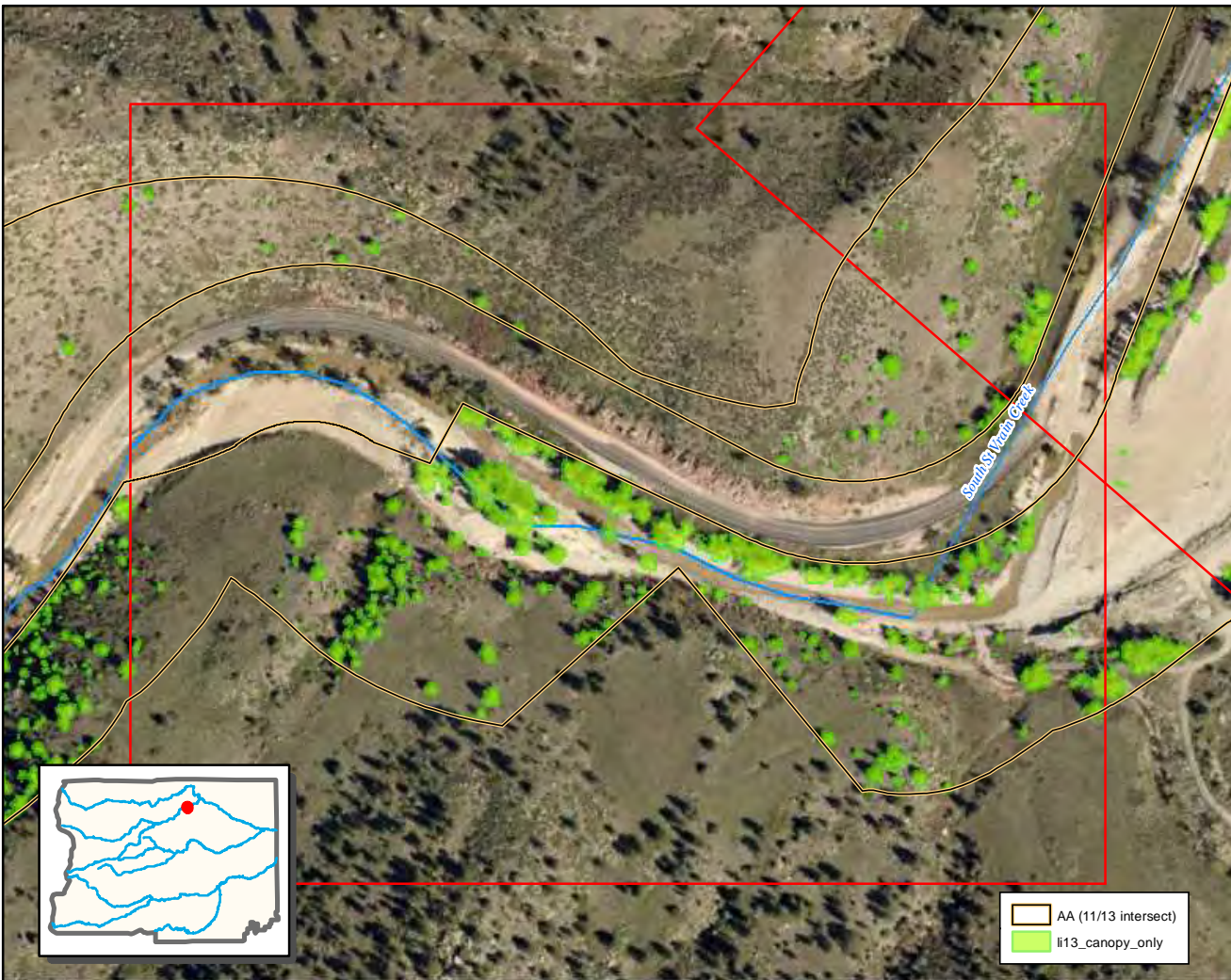
South St Vrain Creek

- AA (11/13 intersect)
- li13_canopy_only



Tree canopy: 2013

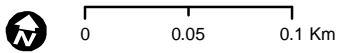
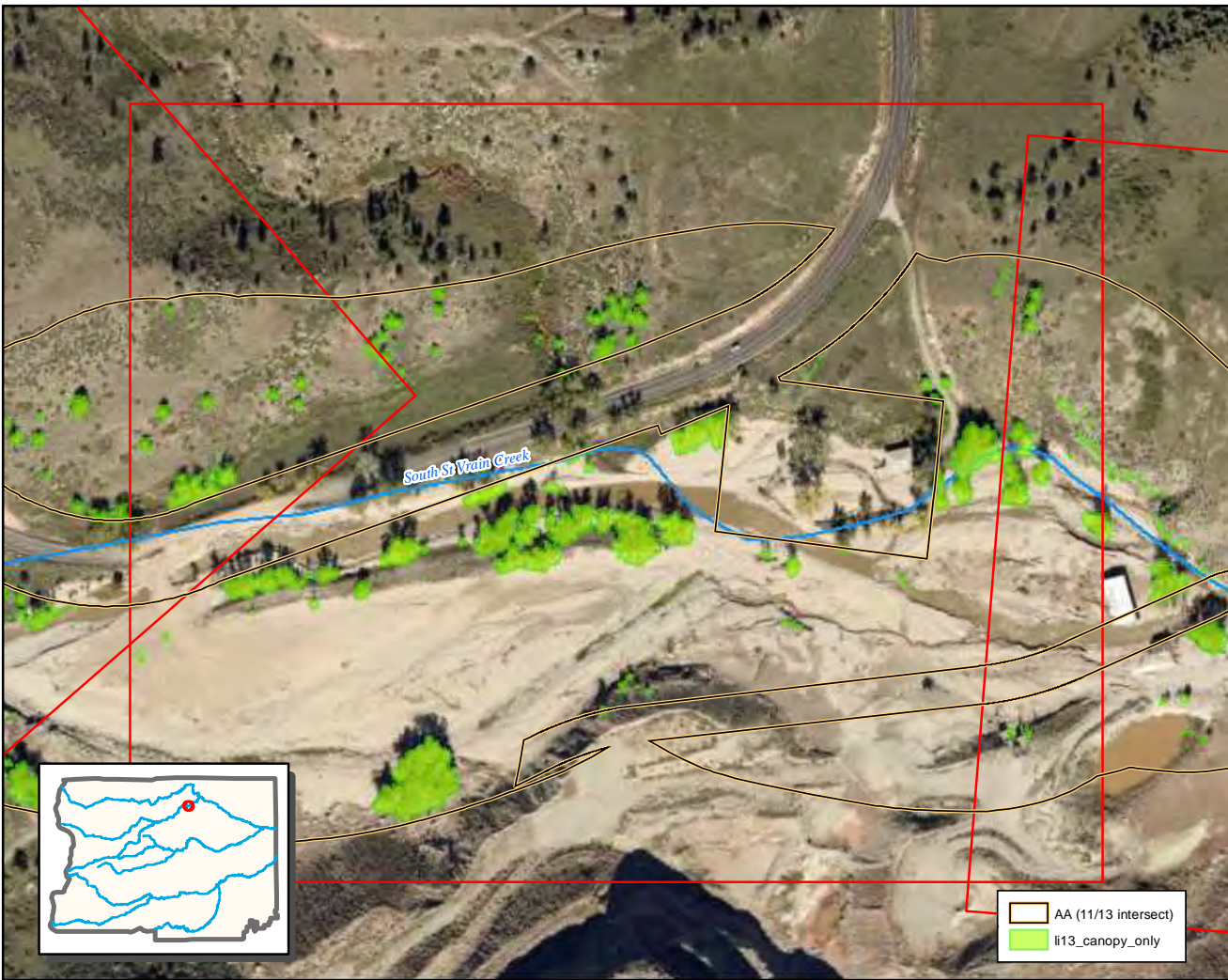
Tile 63



0 0.05 0.1 Km

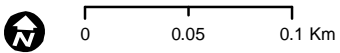
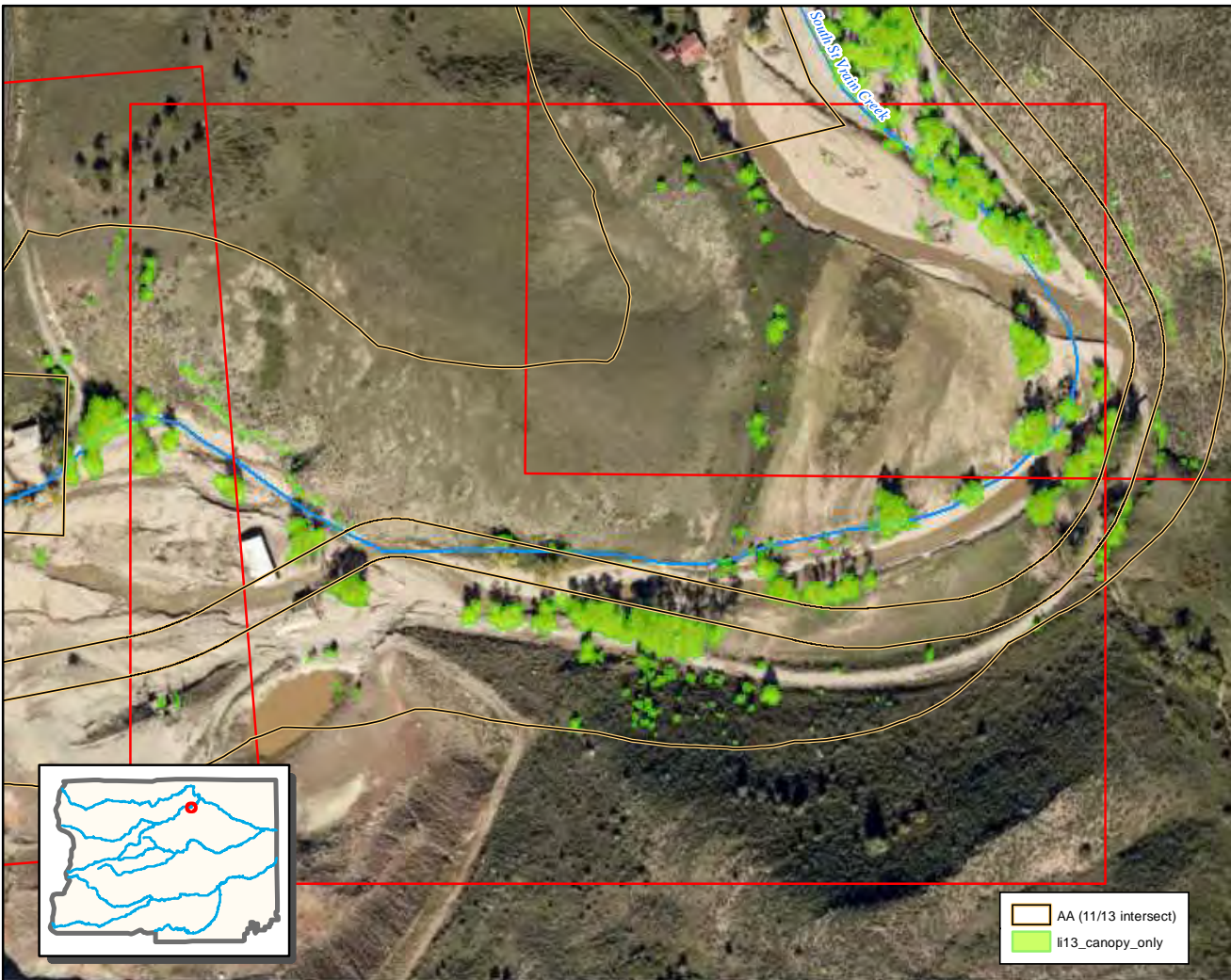
Tree canopy: 2013

Tile 64



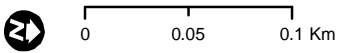
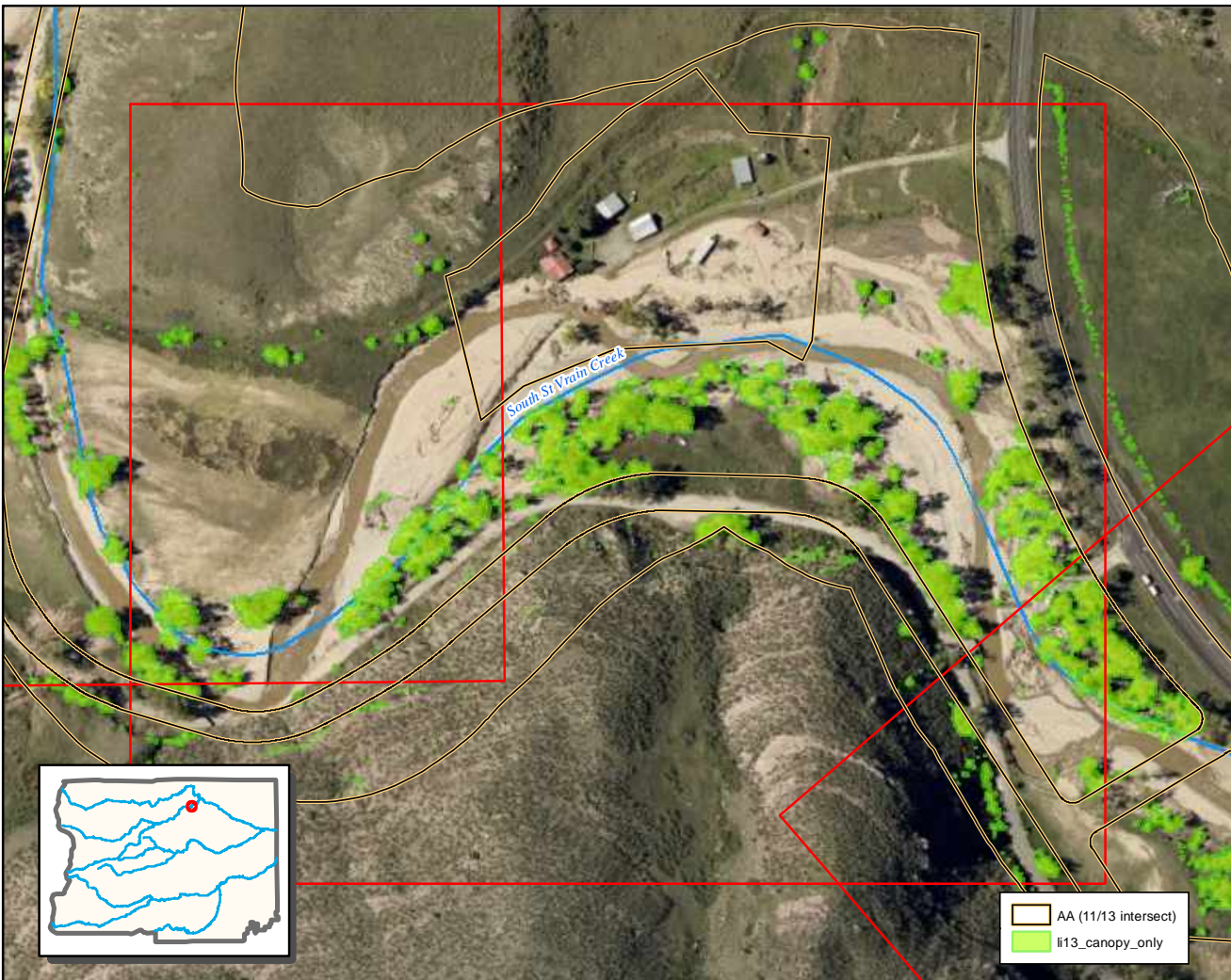
Tree canopy: 2013

Tile 65



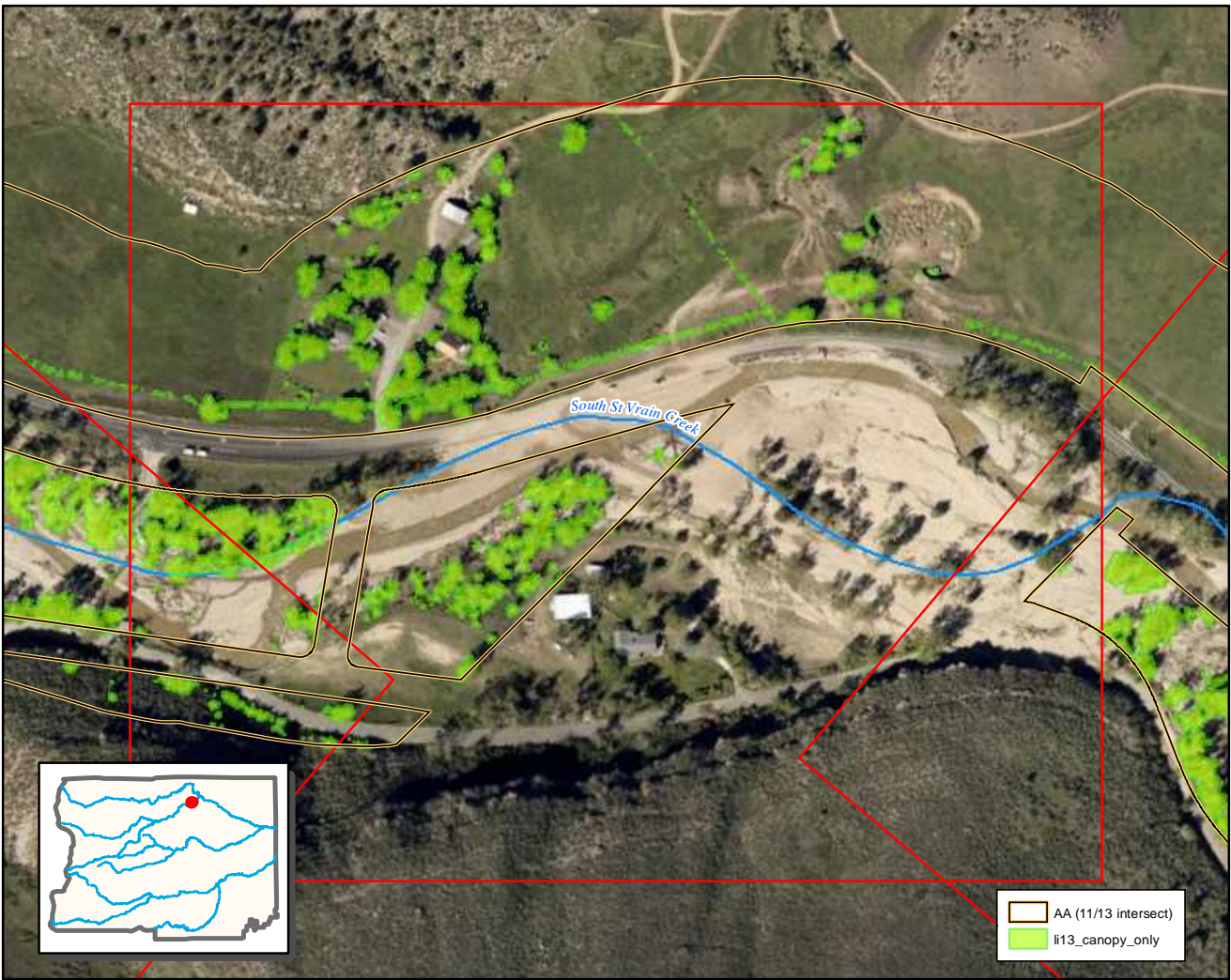
Tree canopy: 2013

Tile 66



Tree canopy: 2013

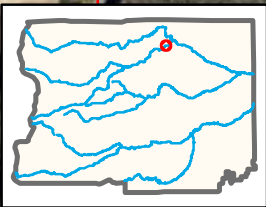
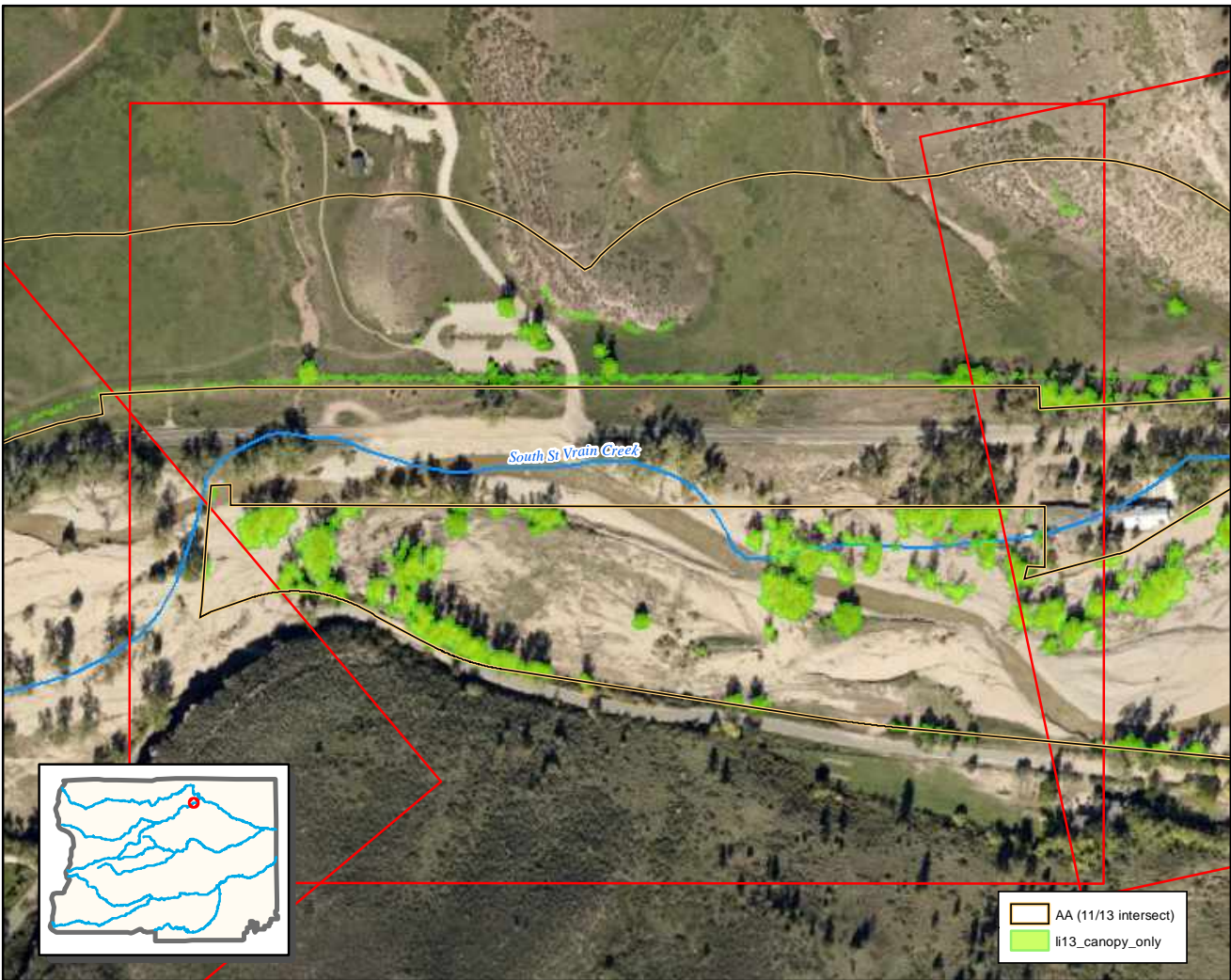
Tile 67



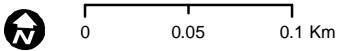
0 0.05 0.1 Km

Tree canopy: 2013

Tile 68

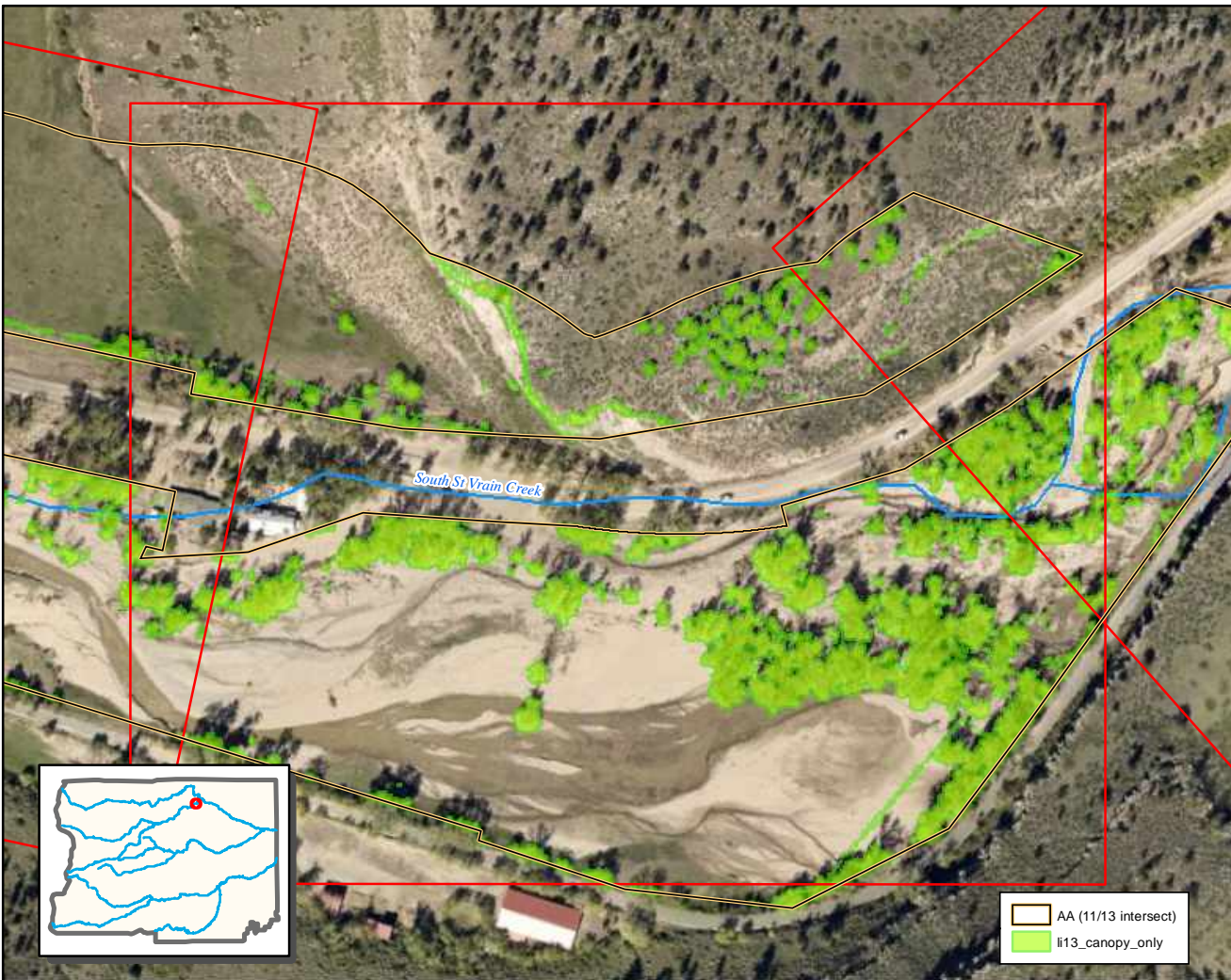


AA (11/13 intersect)
li13_canopy_only



Tree canopy: 2013

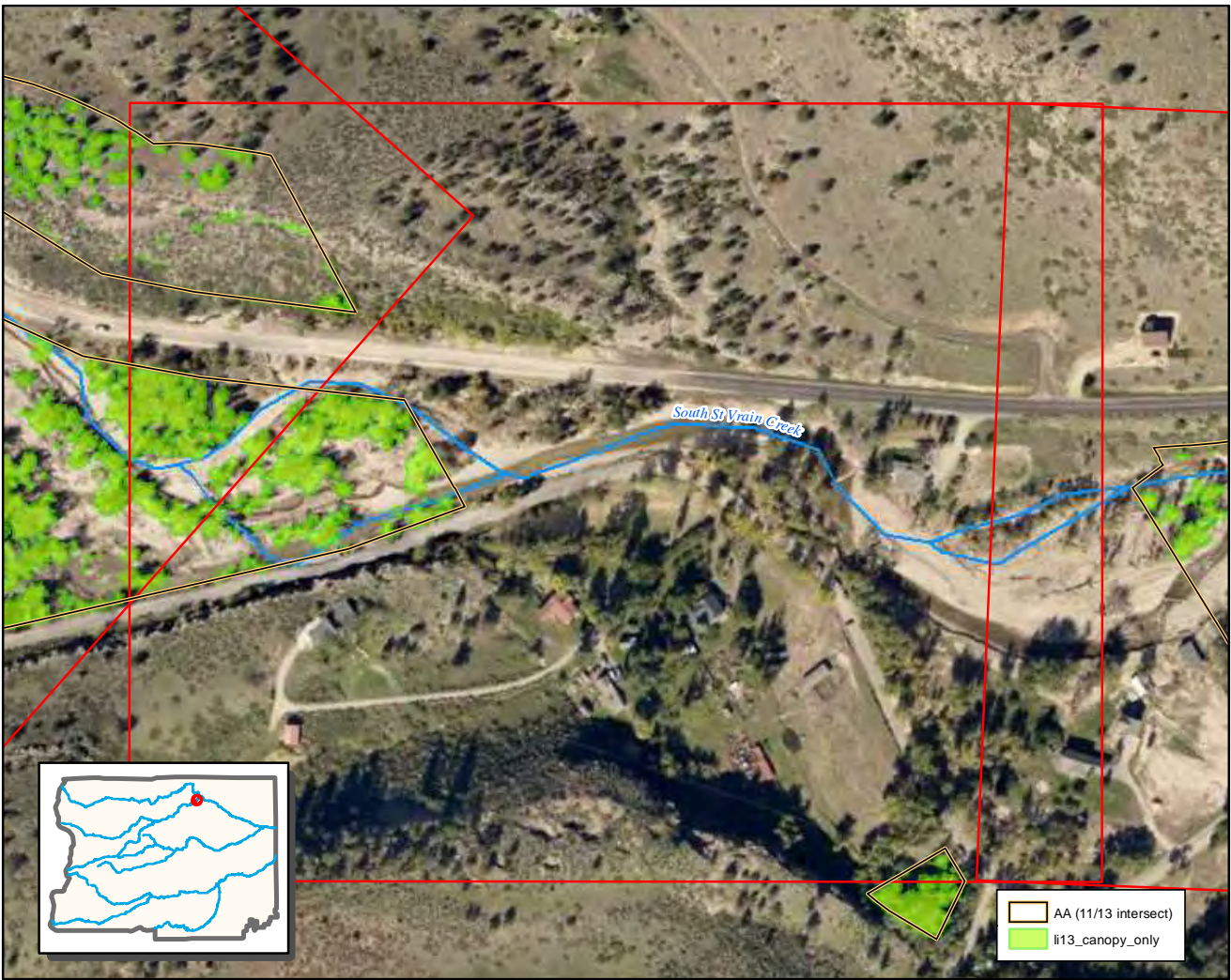
Tile 69



0 0.05 0.1 Km

Tree canopy: 2013

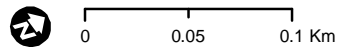
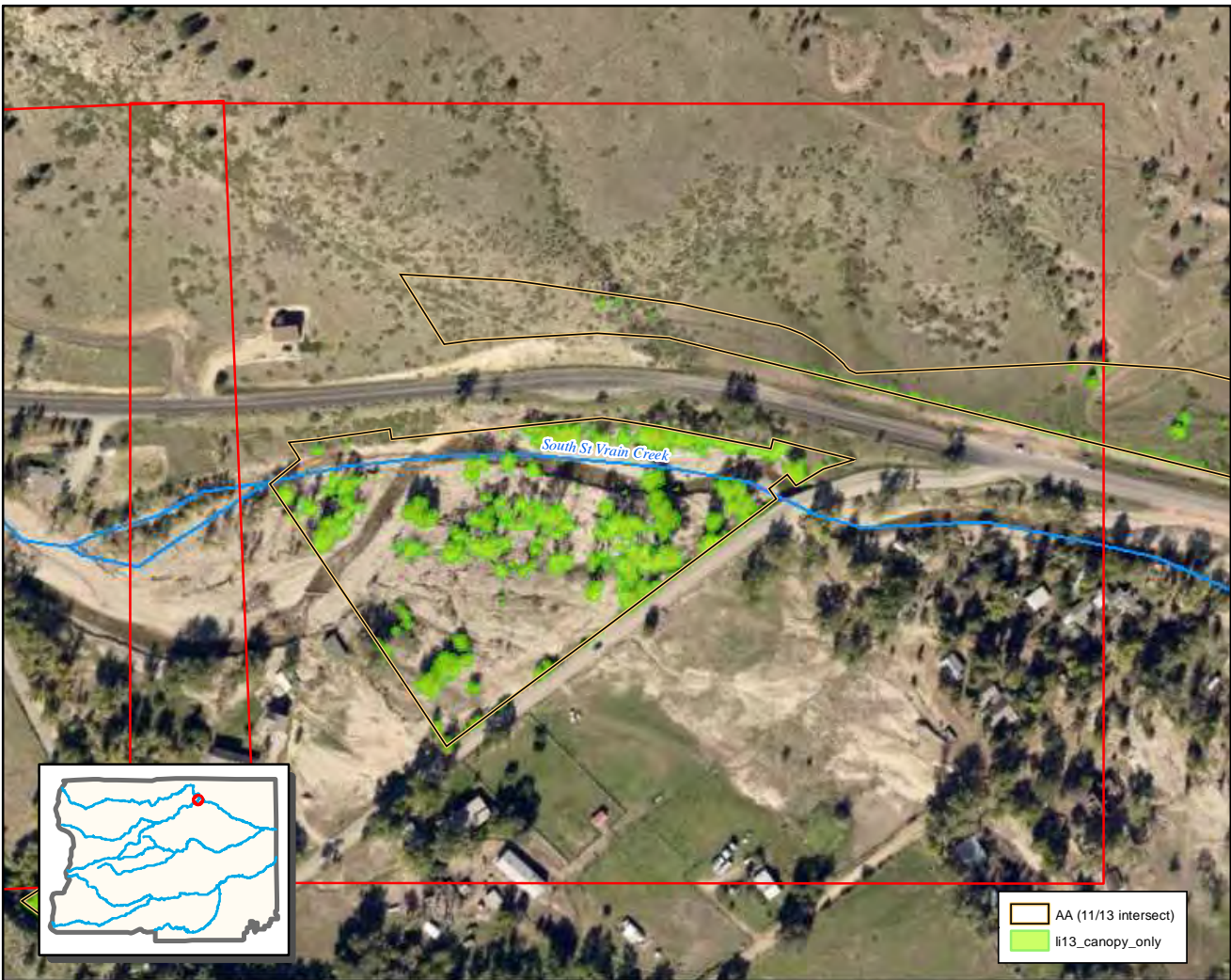
Tile 70



0 0.05 0.1 Km

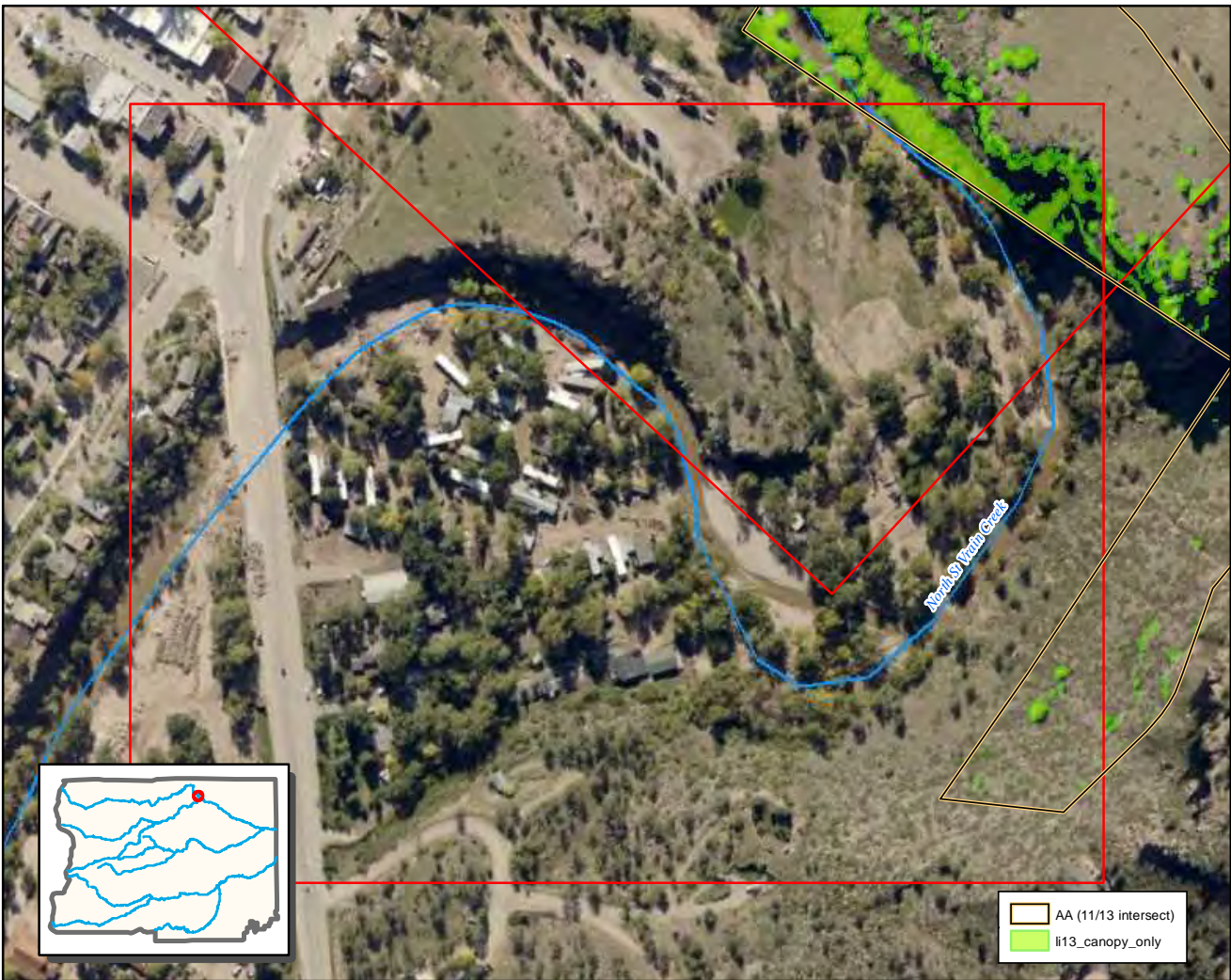
Tree canopy: 2013

Tile 71



Tree canopy: 2013

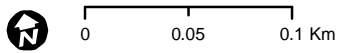
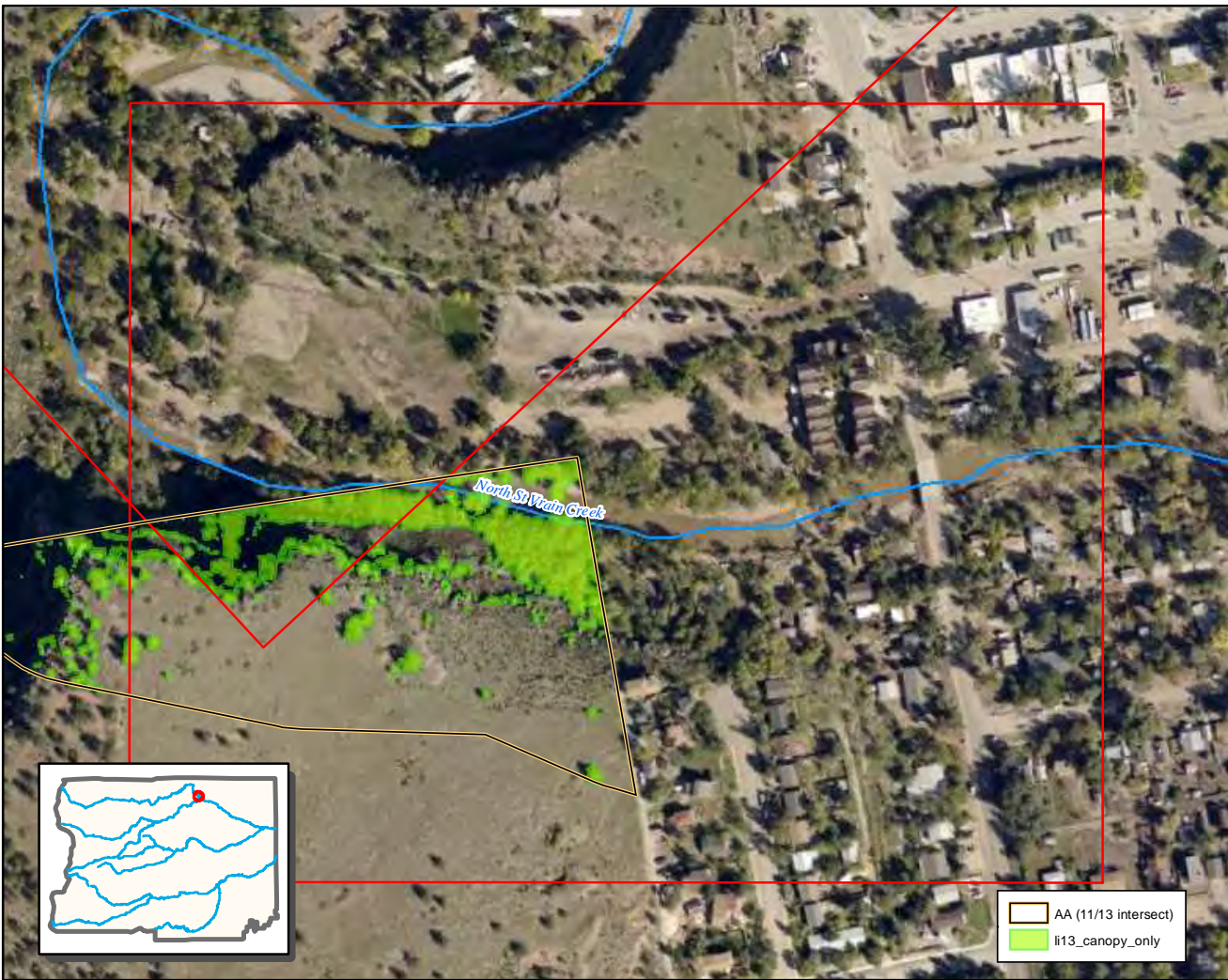
Tile 72



0 0.05 0.1 Km

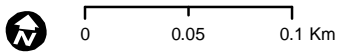
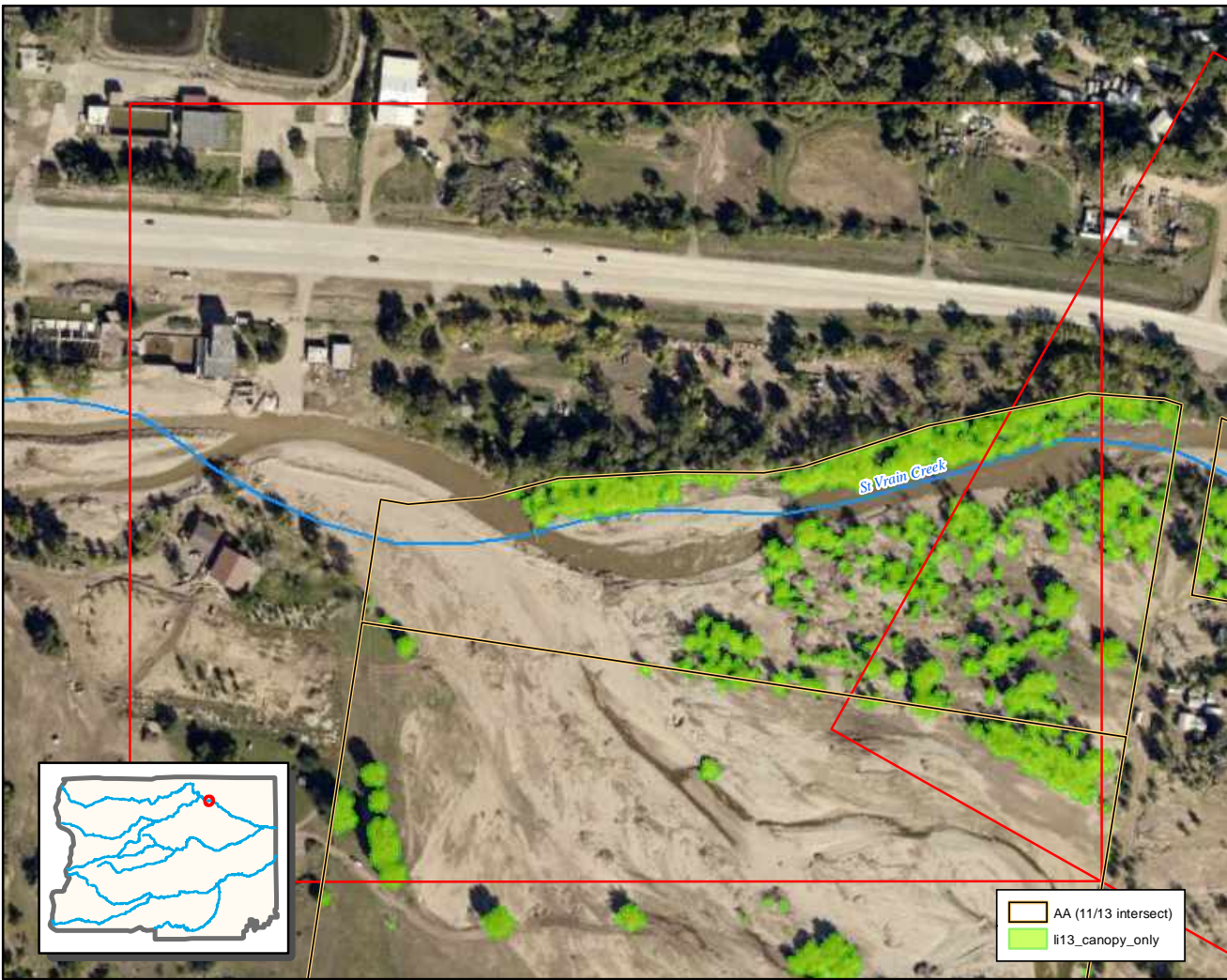
Tree canopy: 2013

Tile 73



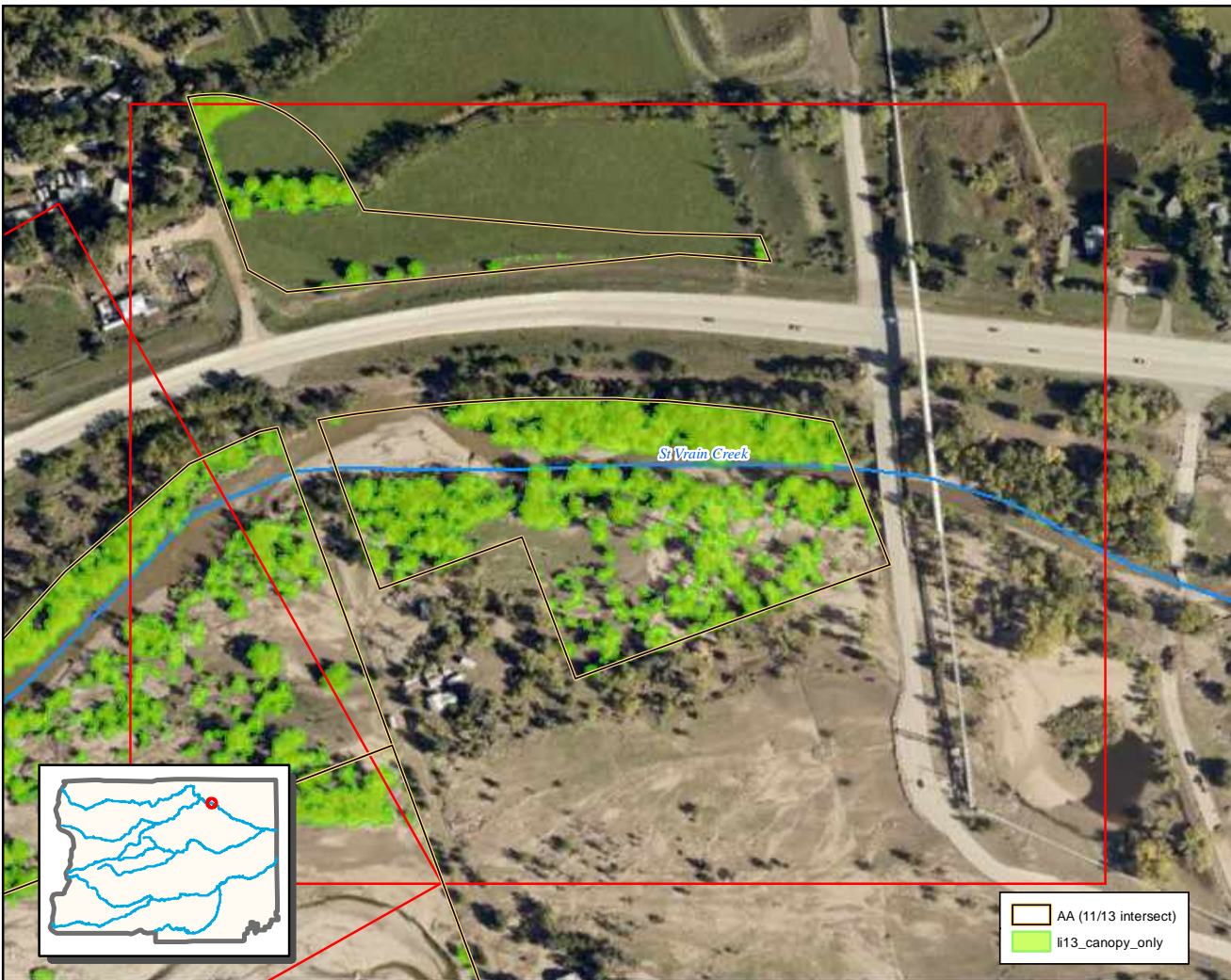
Tree canopy: 2013

Tile 74



Tree canopy: 2013

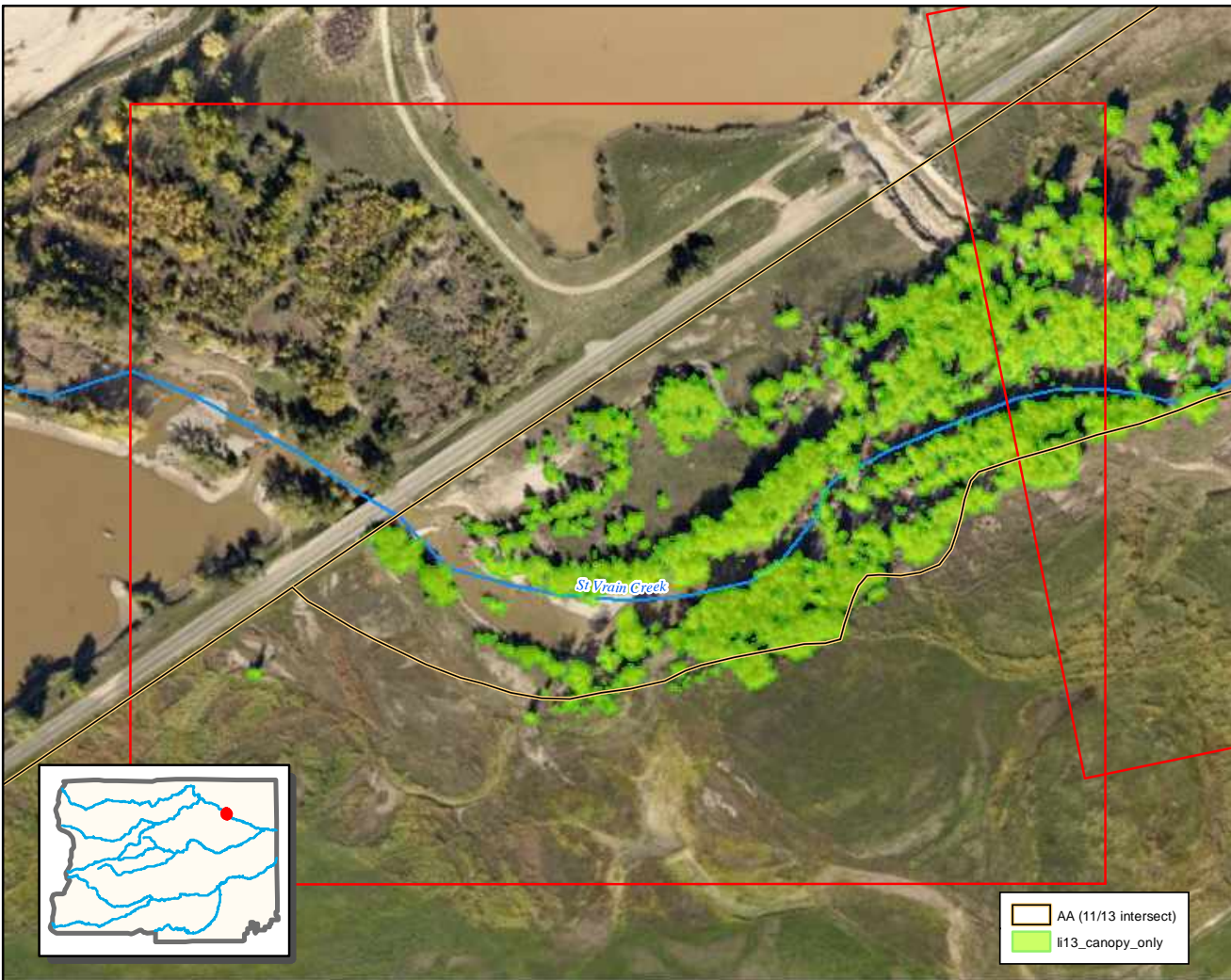
Tile 75



0 0.05 0.1 Km

Tree canopy: 2013

Tile 76

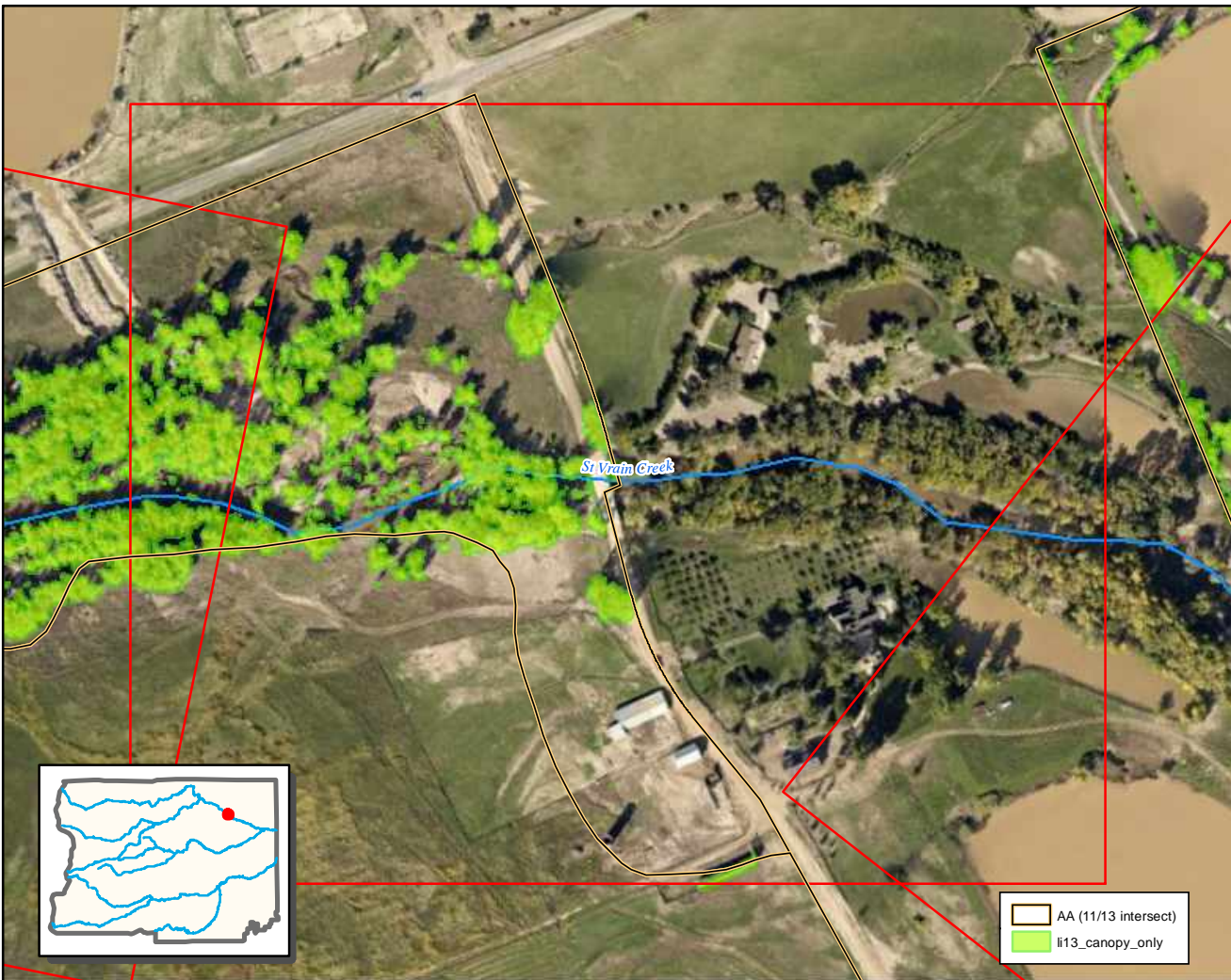


AA (11/13 intersect)
li13_canopy_only

0 0.05 0.1 Km

Tree canopy: 2013

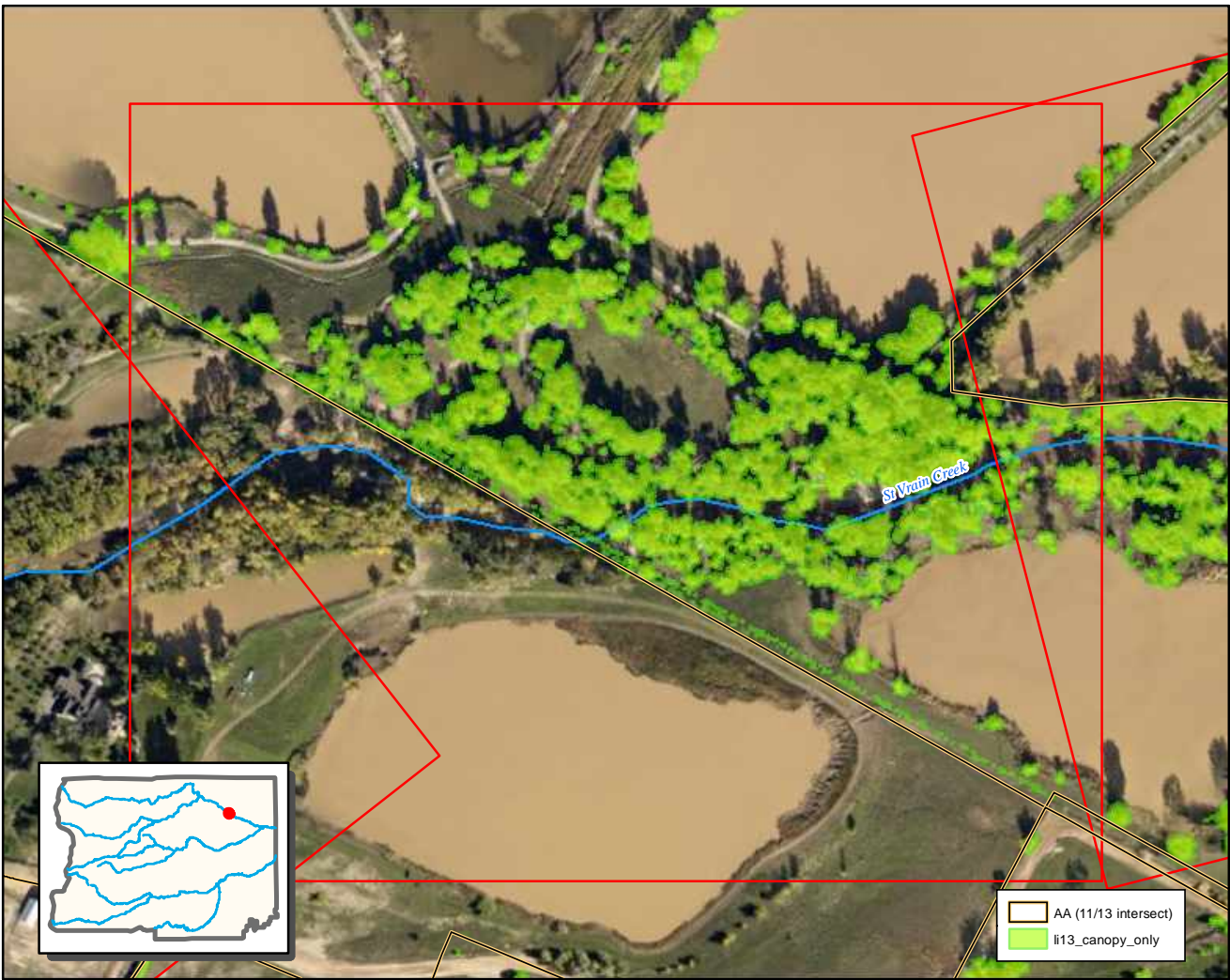
Tile 85



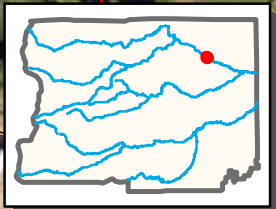
0 0.05 0.1 Km

Tree canopy: 2013

Tile 86



St Vrain Creek

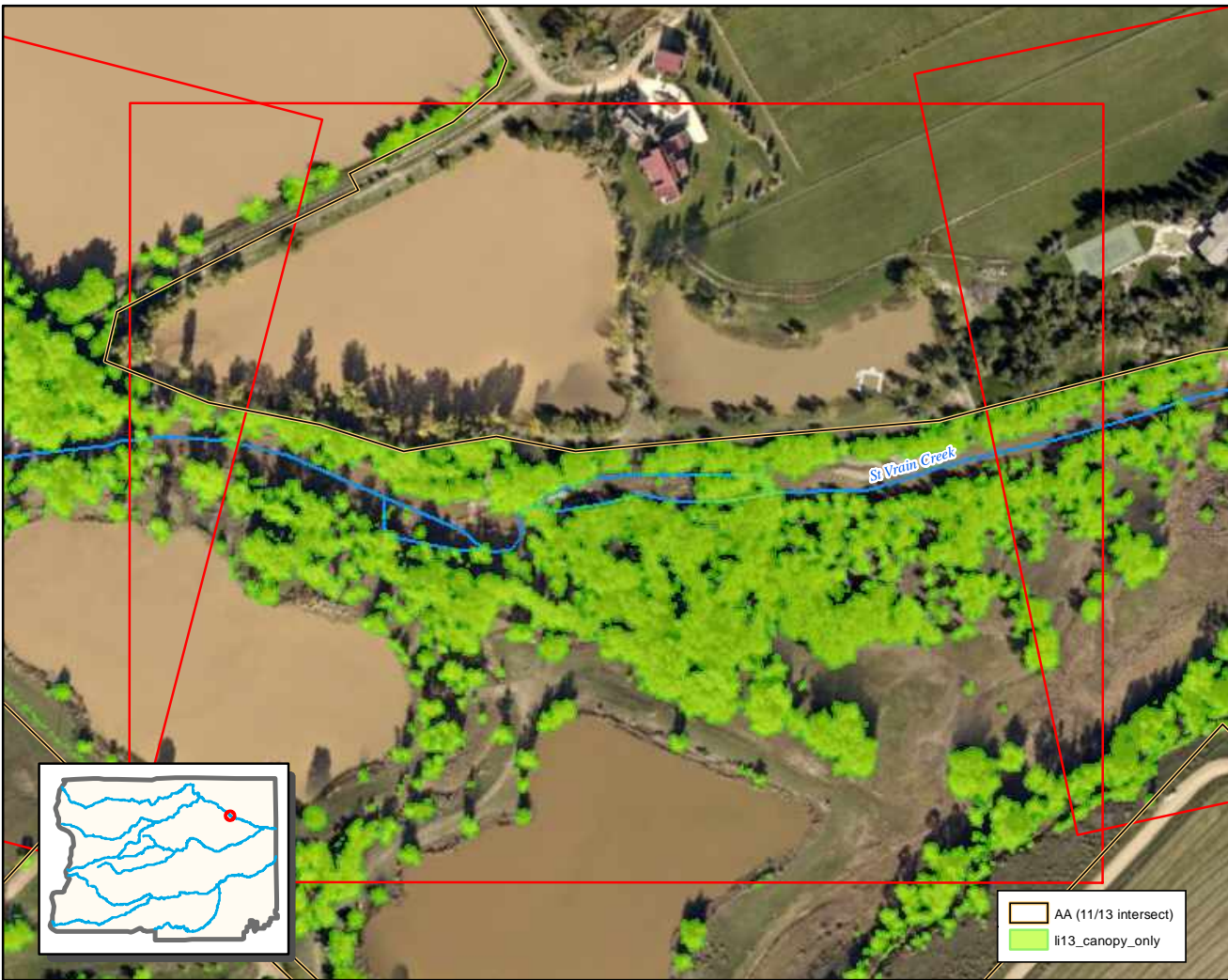


AA (11/13 intersect)
li13_canopy_only

0 0.05 0.1 Km

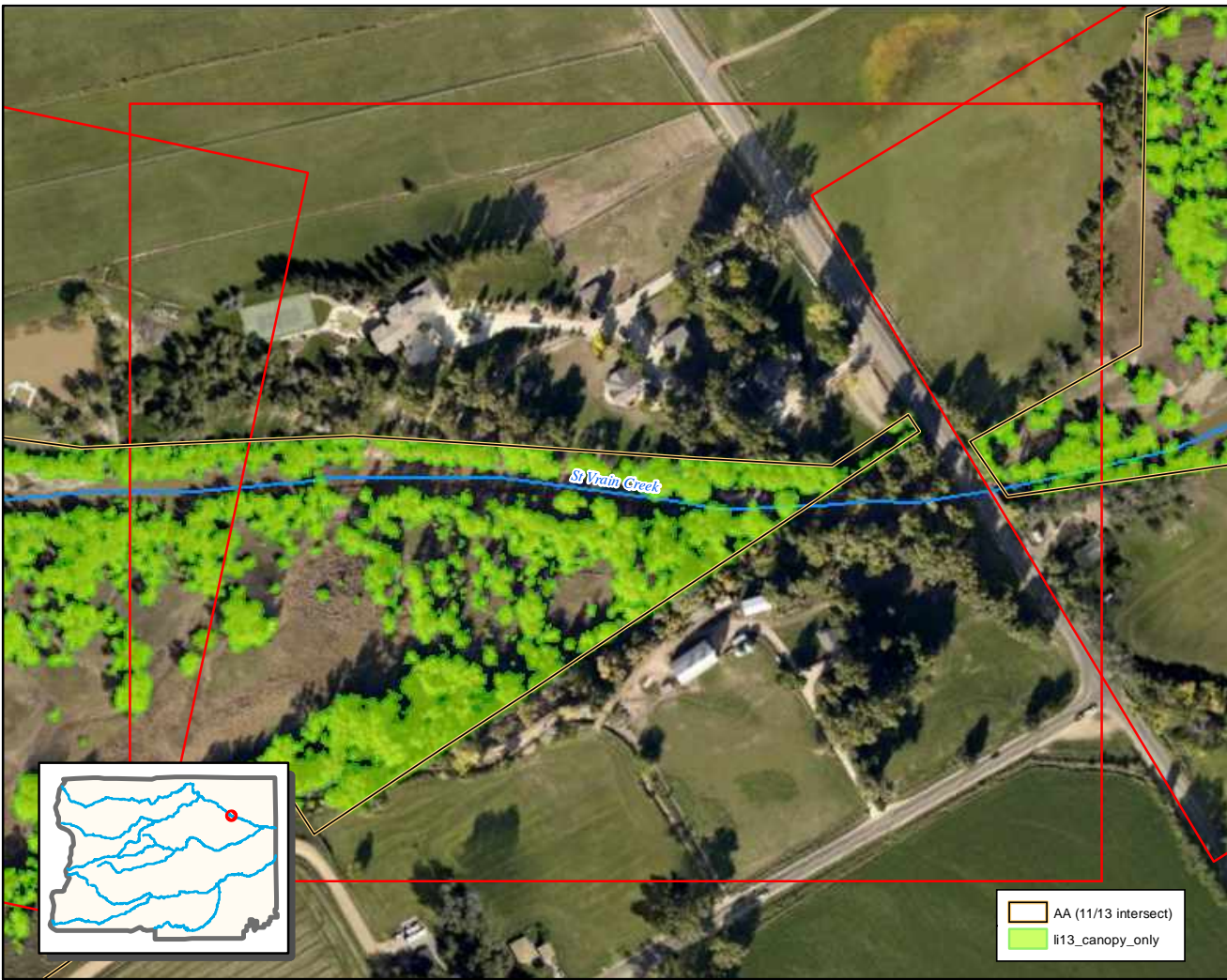
Tree canopy: 2013

Tile 87



Tree canopy: 2013

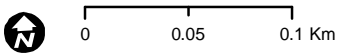
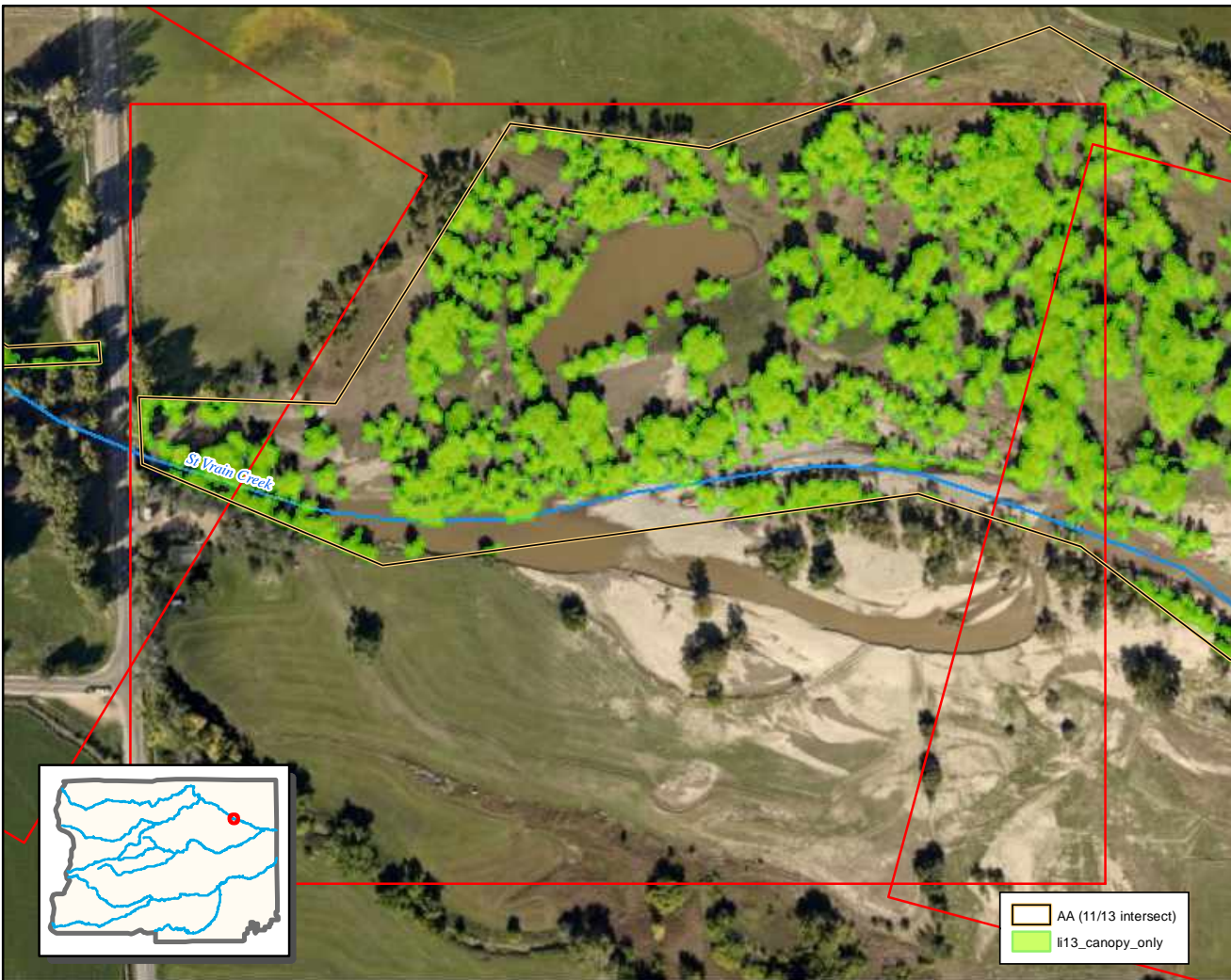
Tile 88



0 0.05 0.1 Km

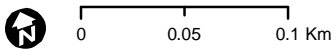
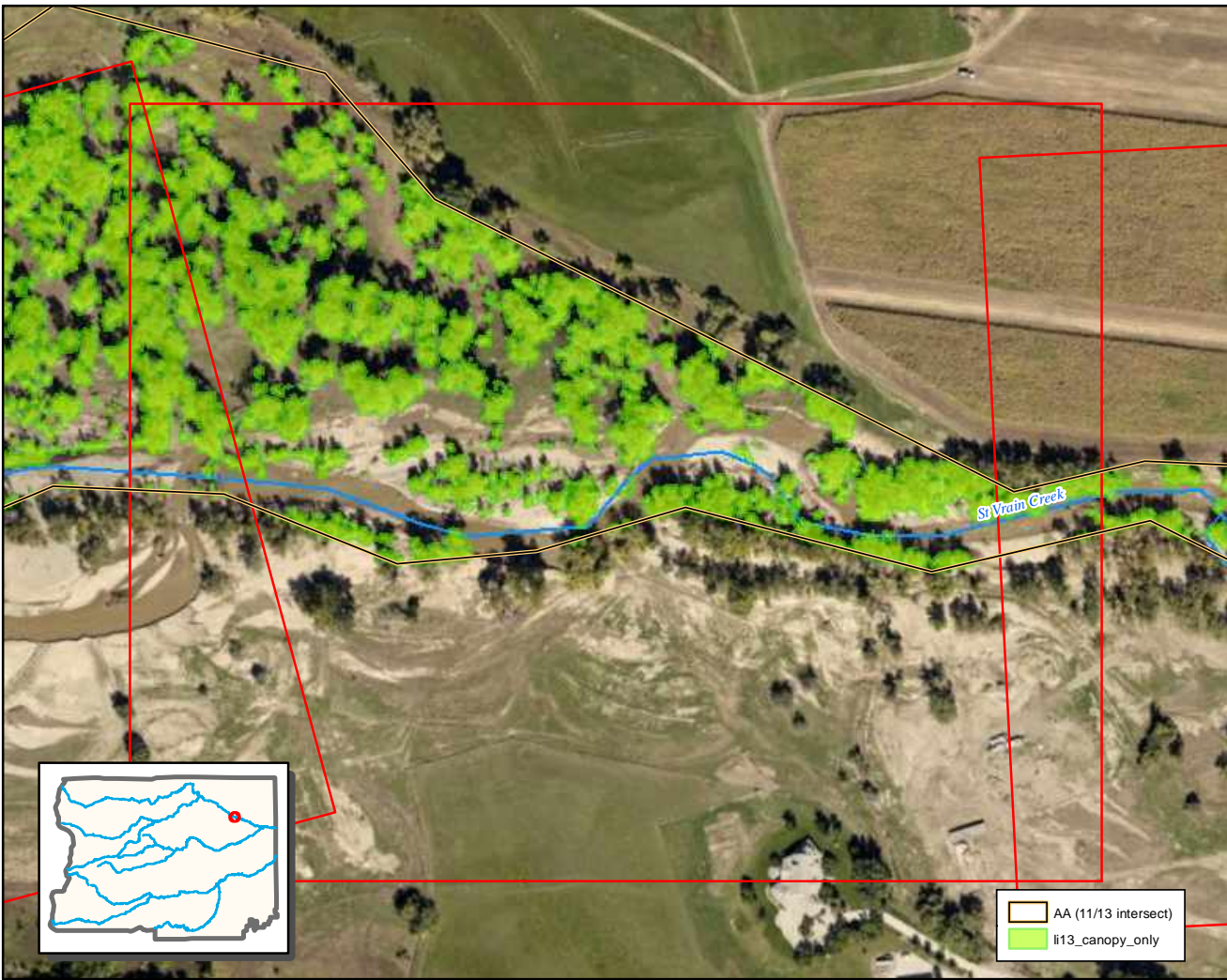
Tree canopy: 2013

Tile 89



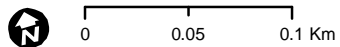
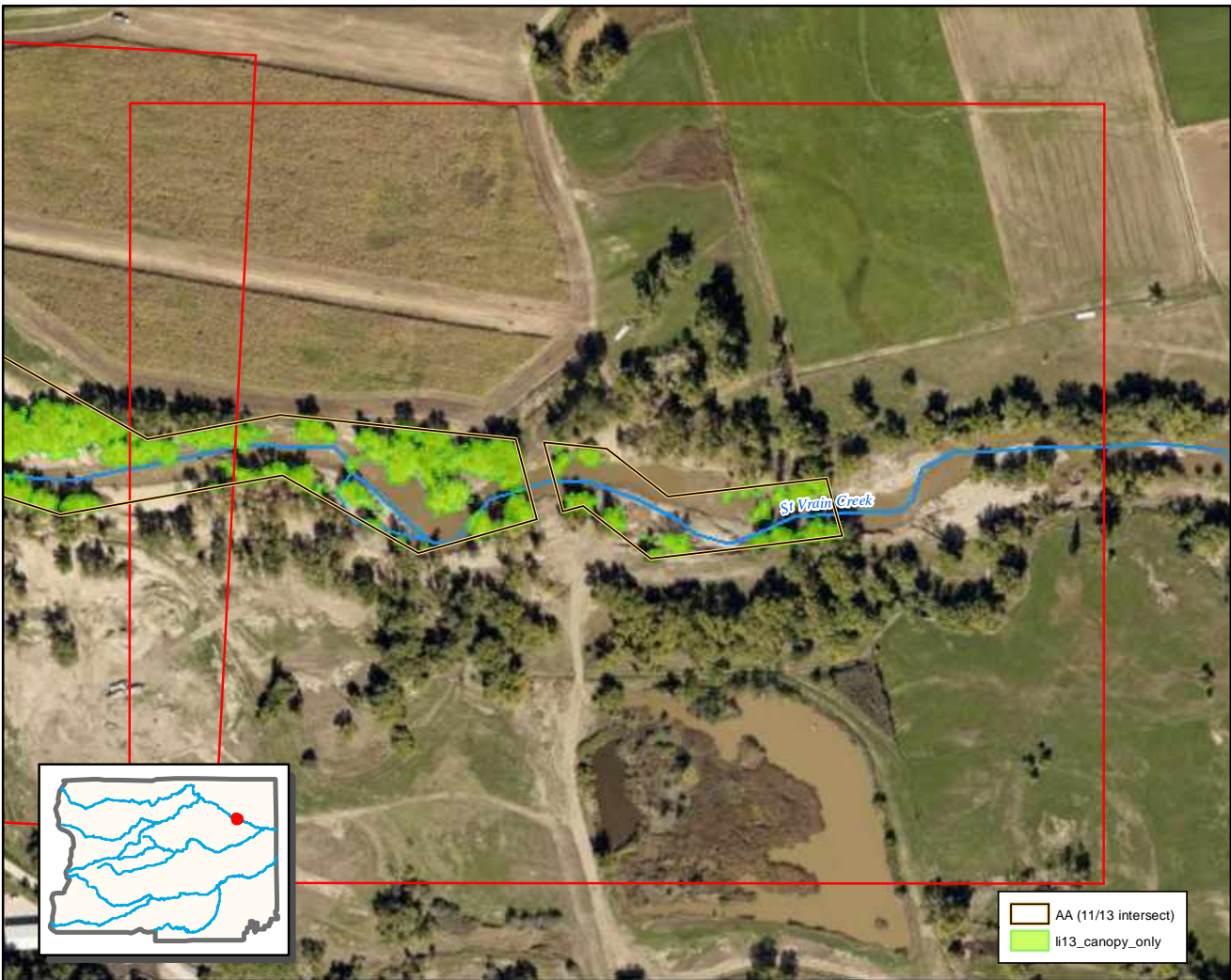
Tree canopy: 2013

Tile 90



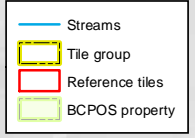
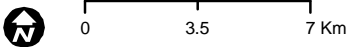
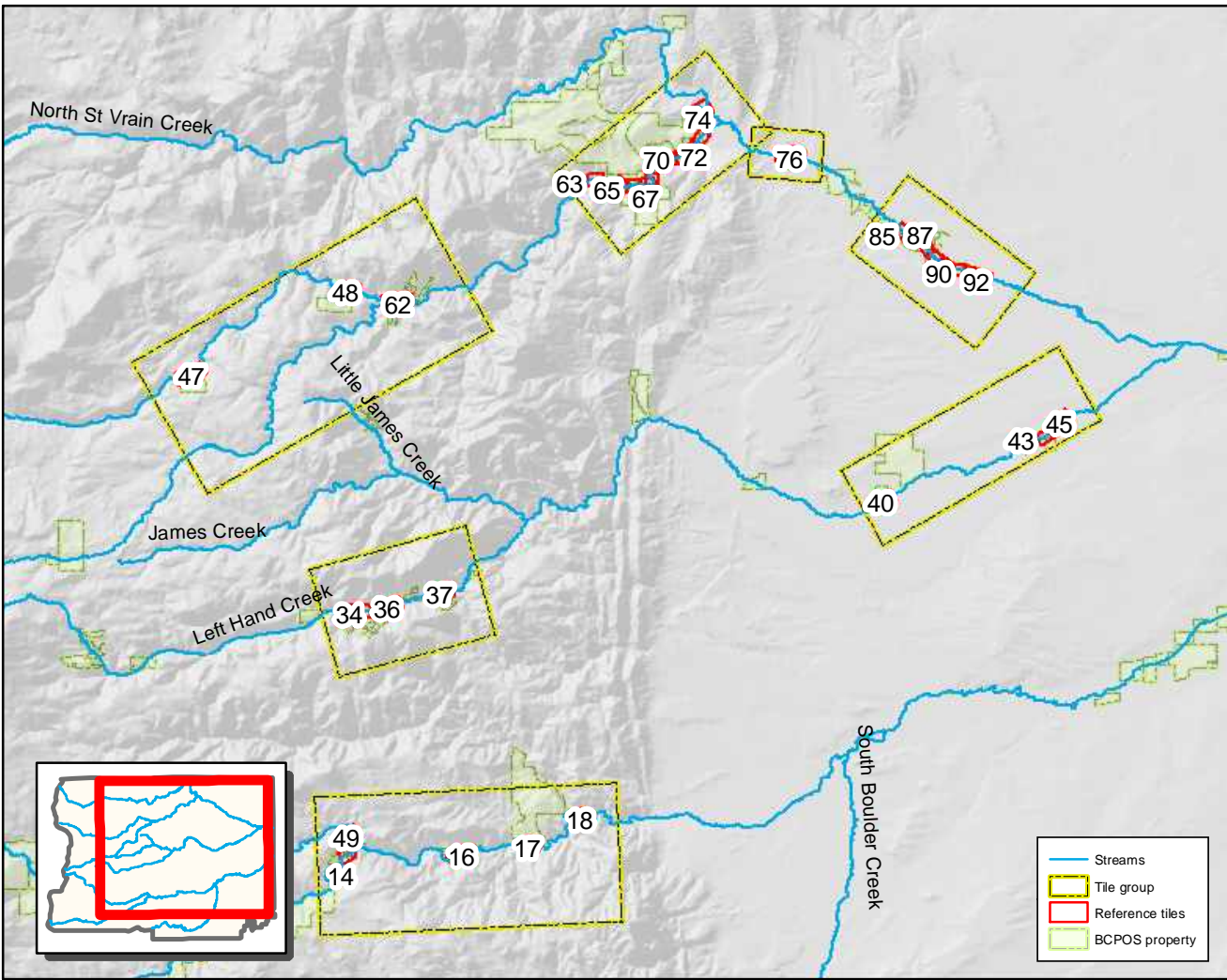
Tree canopy: 2013

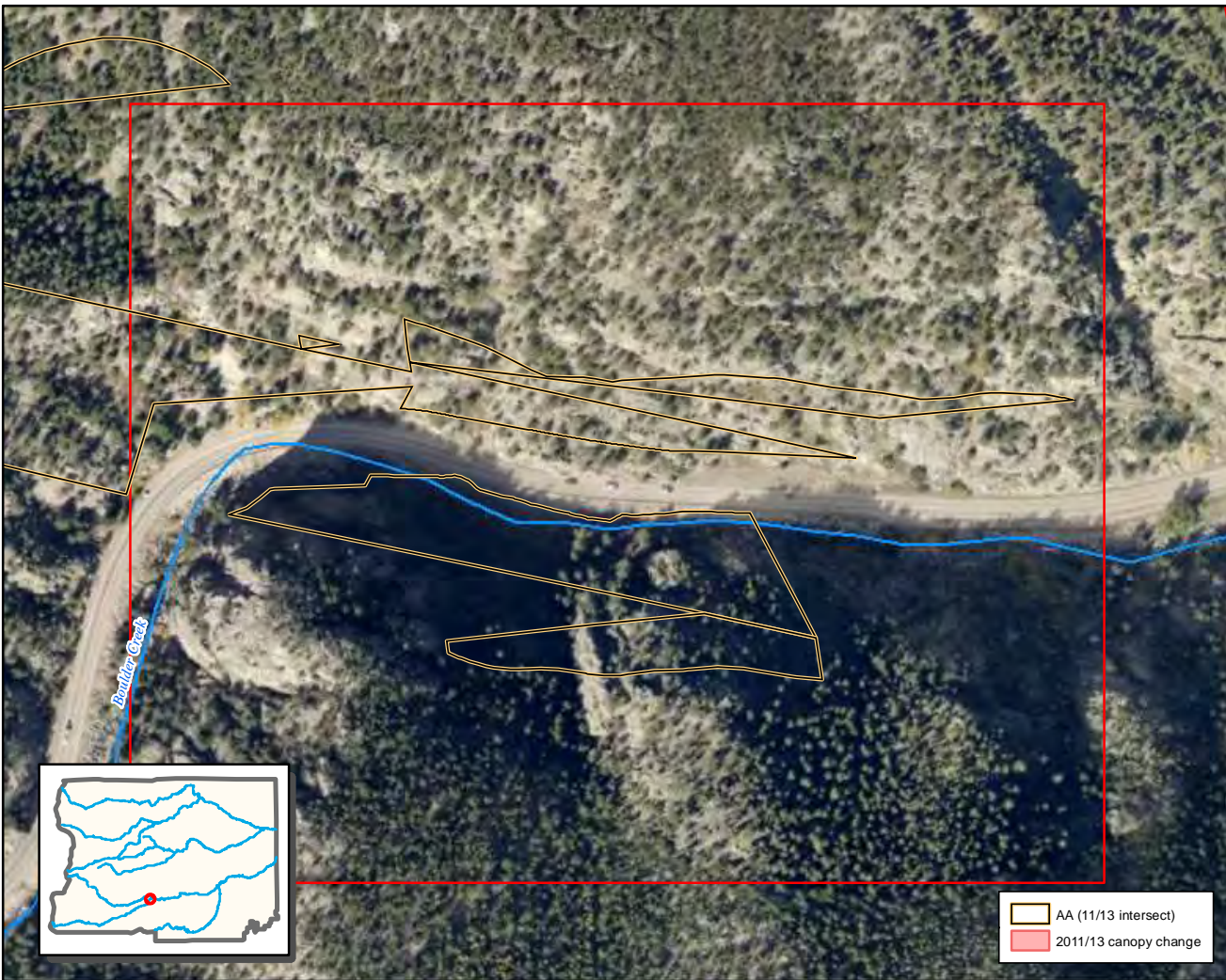
Tile 91



Tree canopy: 2013

Tile 92

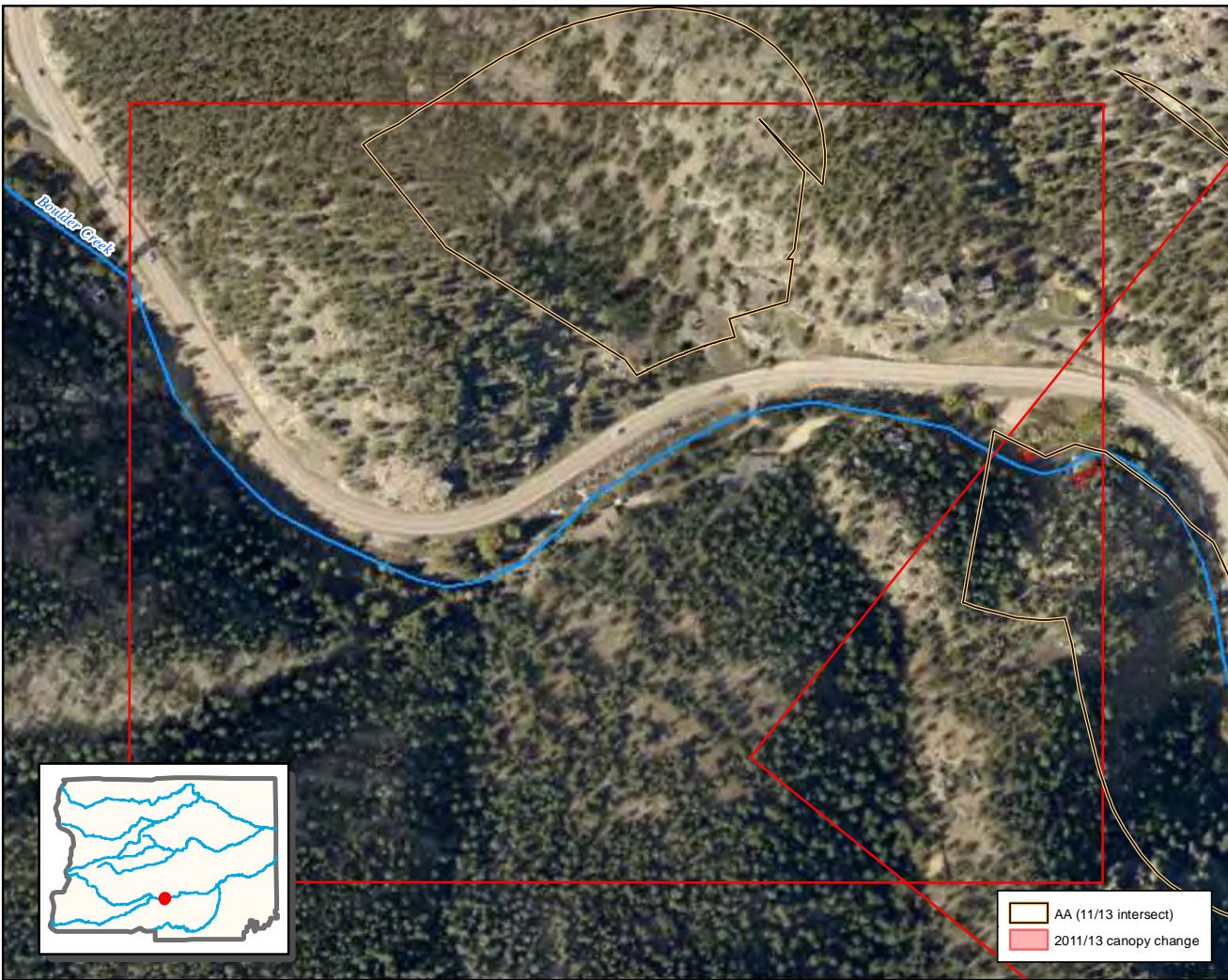




0 0.05 0.1 Km

Canopy change: 2011 - 2013

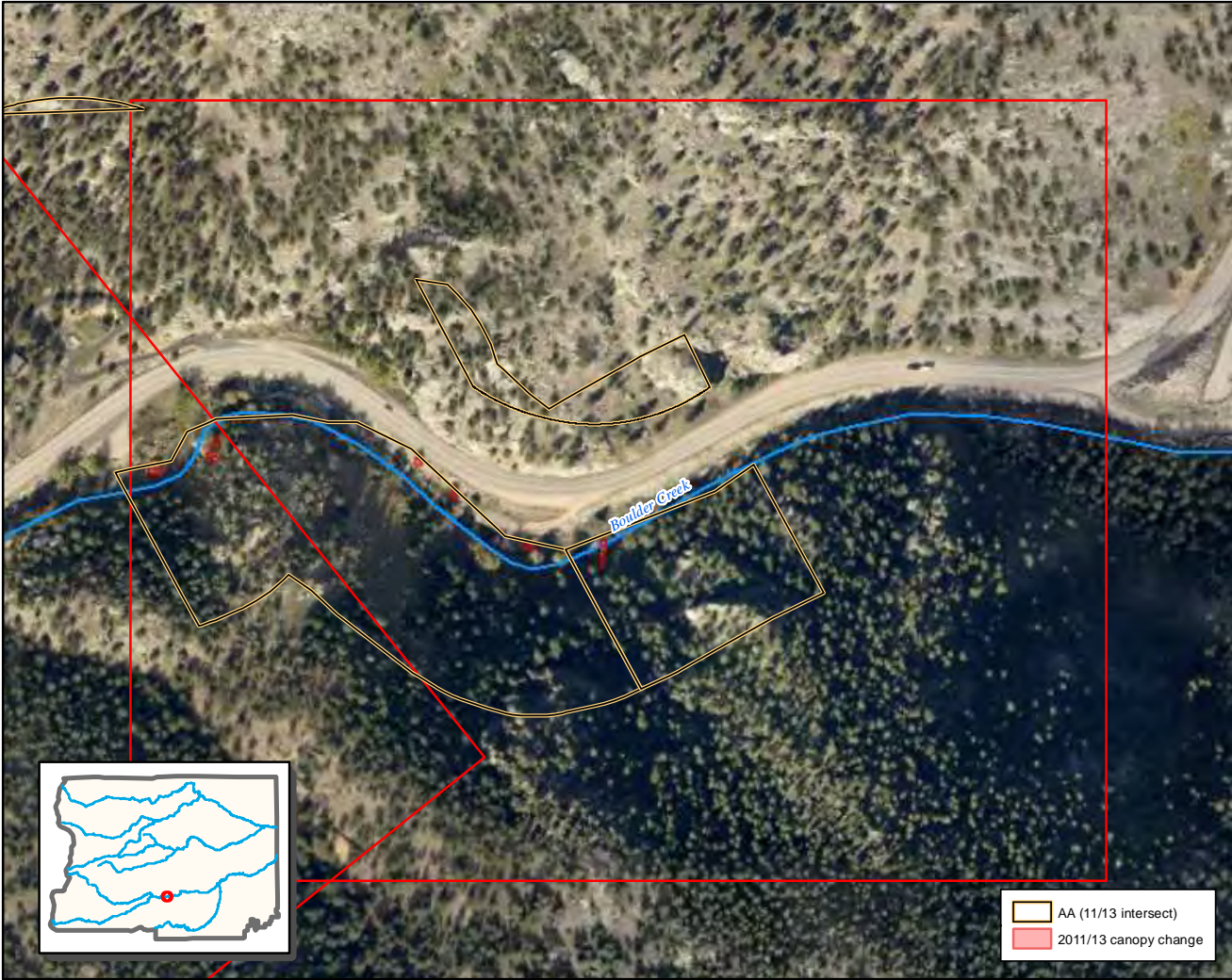
Tile 14



0 0.05 0.1 Km

Canopy change: 2011 - 2013

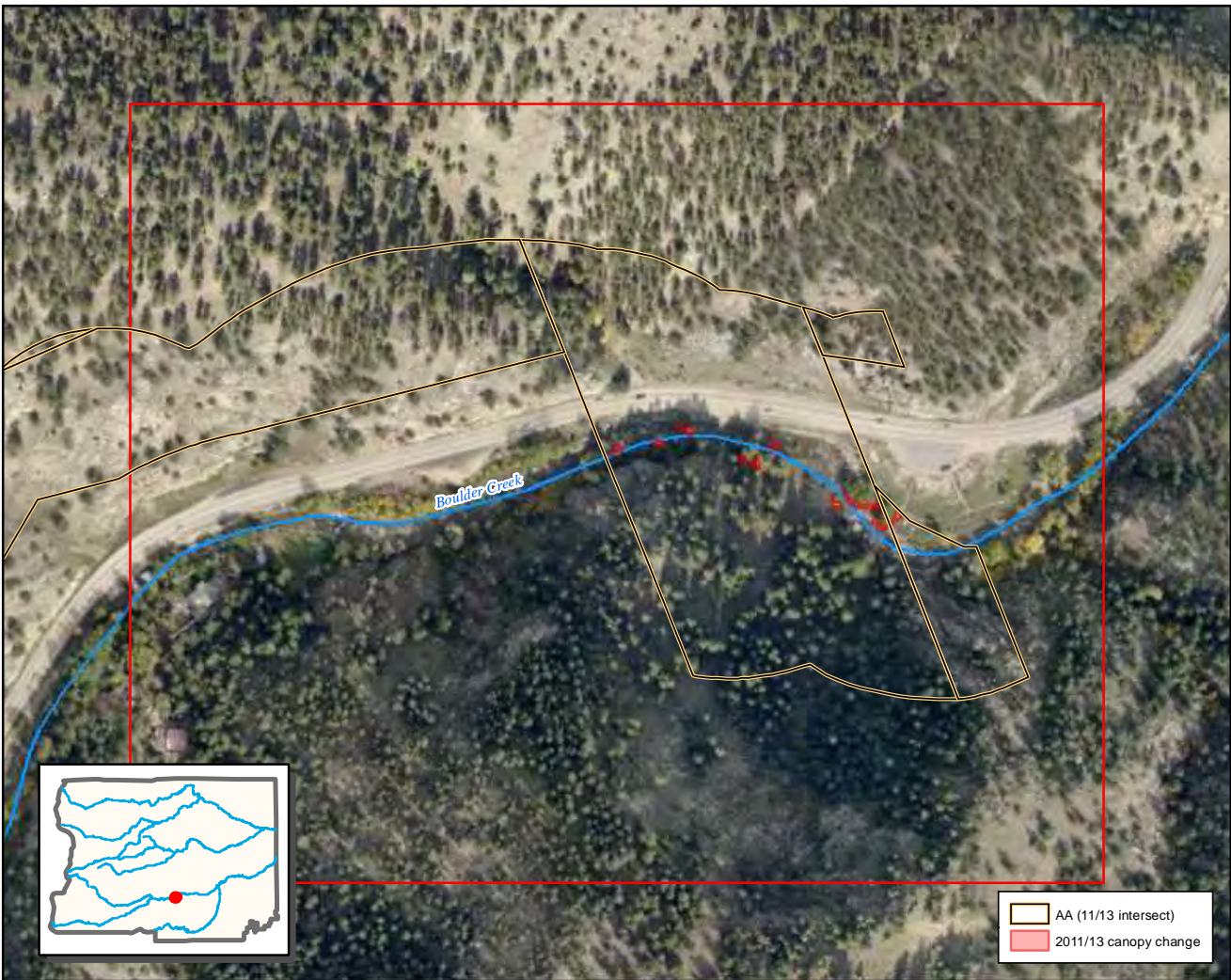
Tile 15



0 0.05 0.1 Km

Canopy change: 2011 - 2013

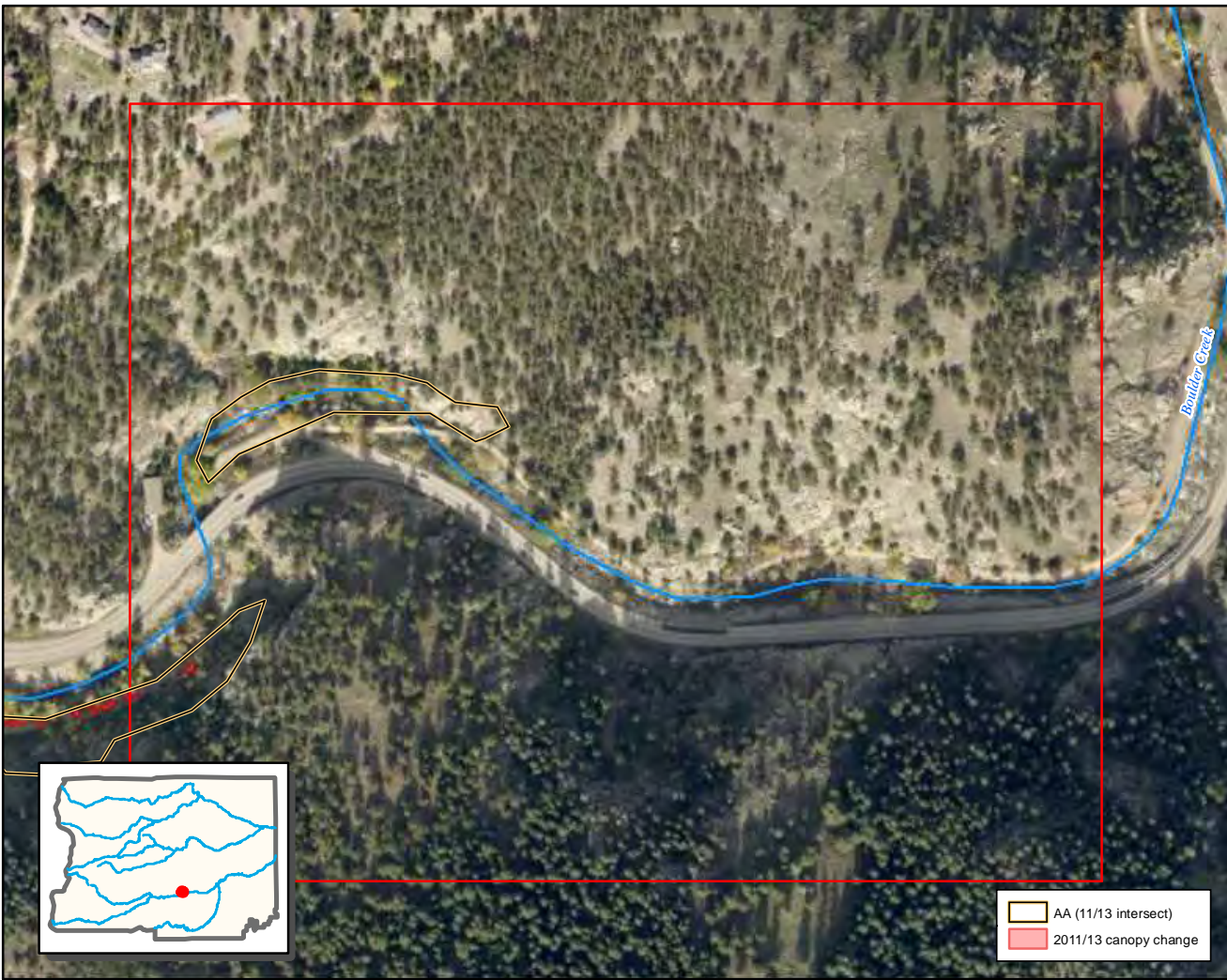
Tile 16



0 0.05 0.1 Km

Canopy change: 2011 - 2013

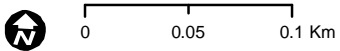
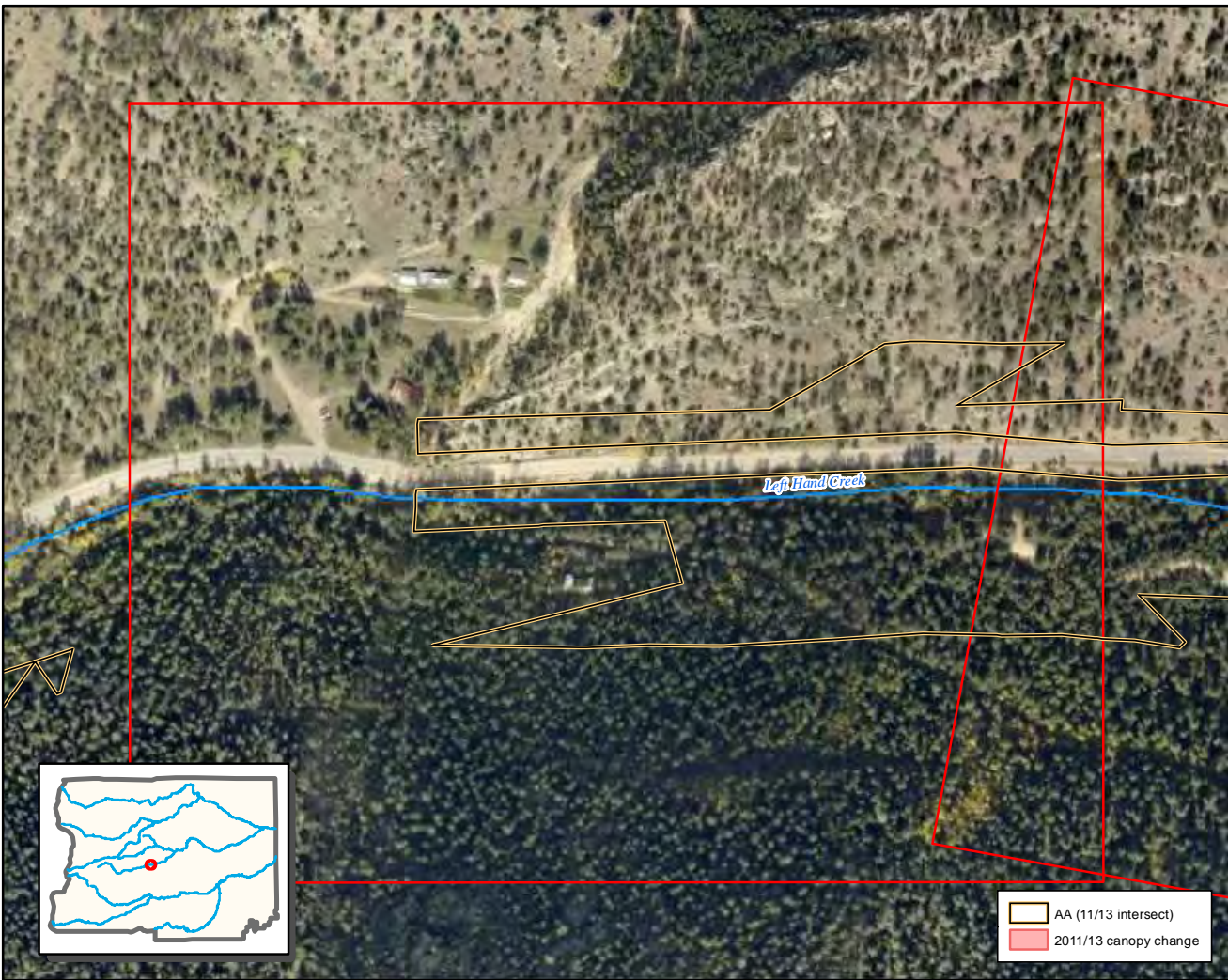
Tile 17



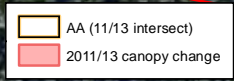
0 0.05 0.1 Km

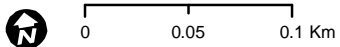
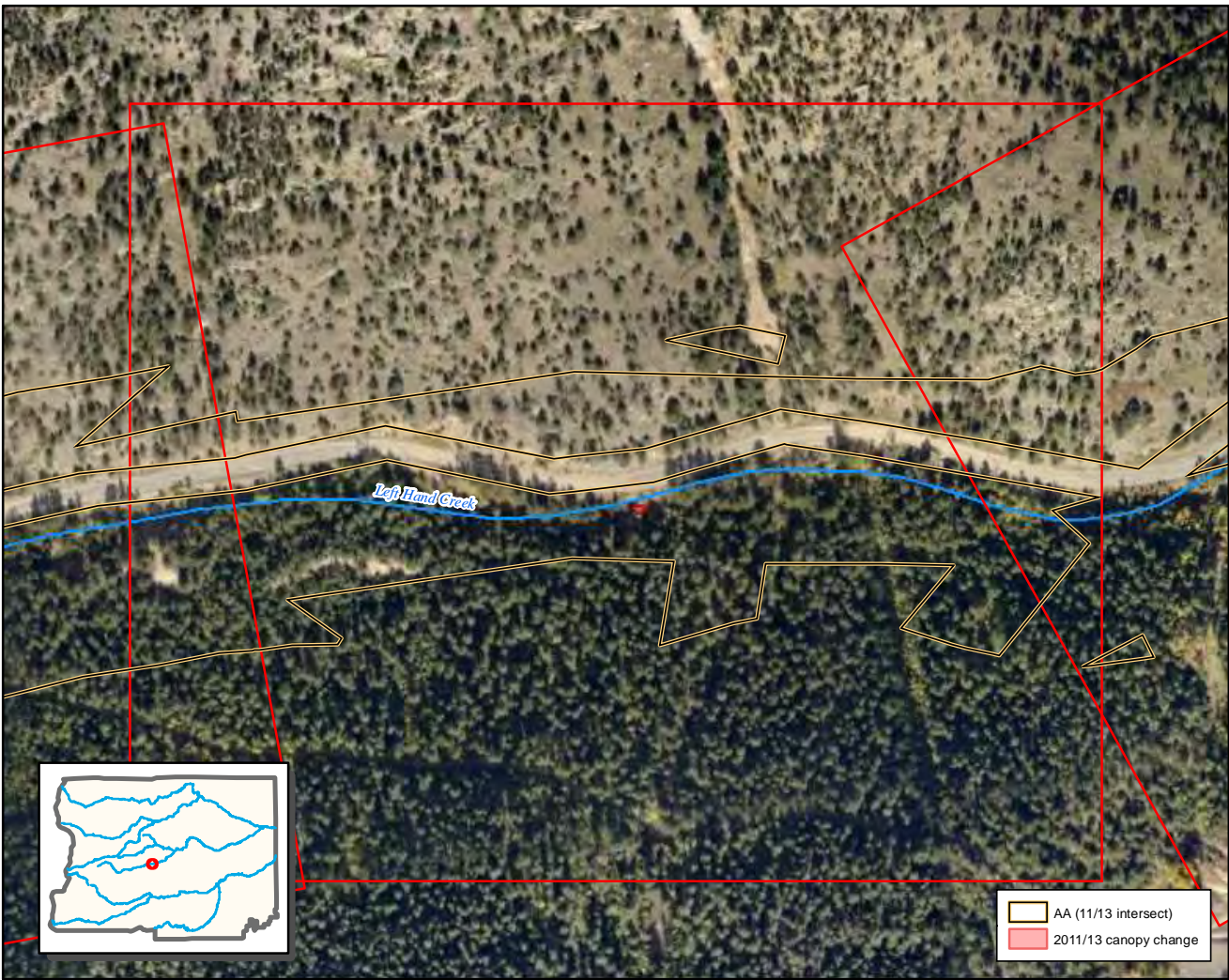
Canopy change: 2011 - 2013

Tile 18



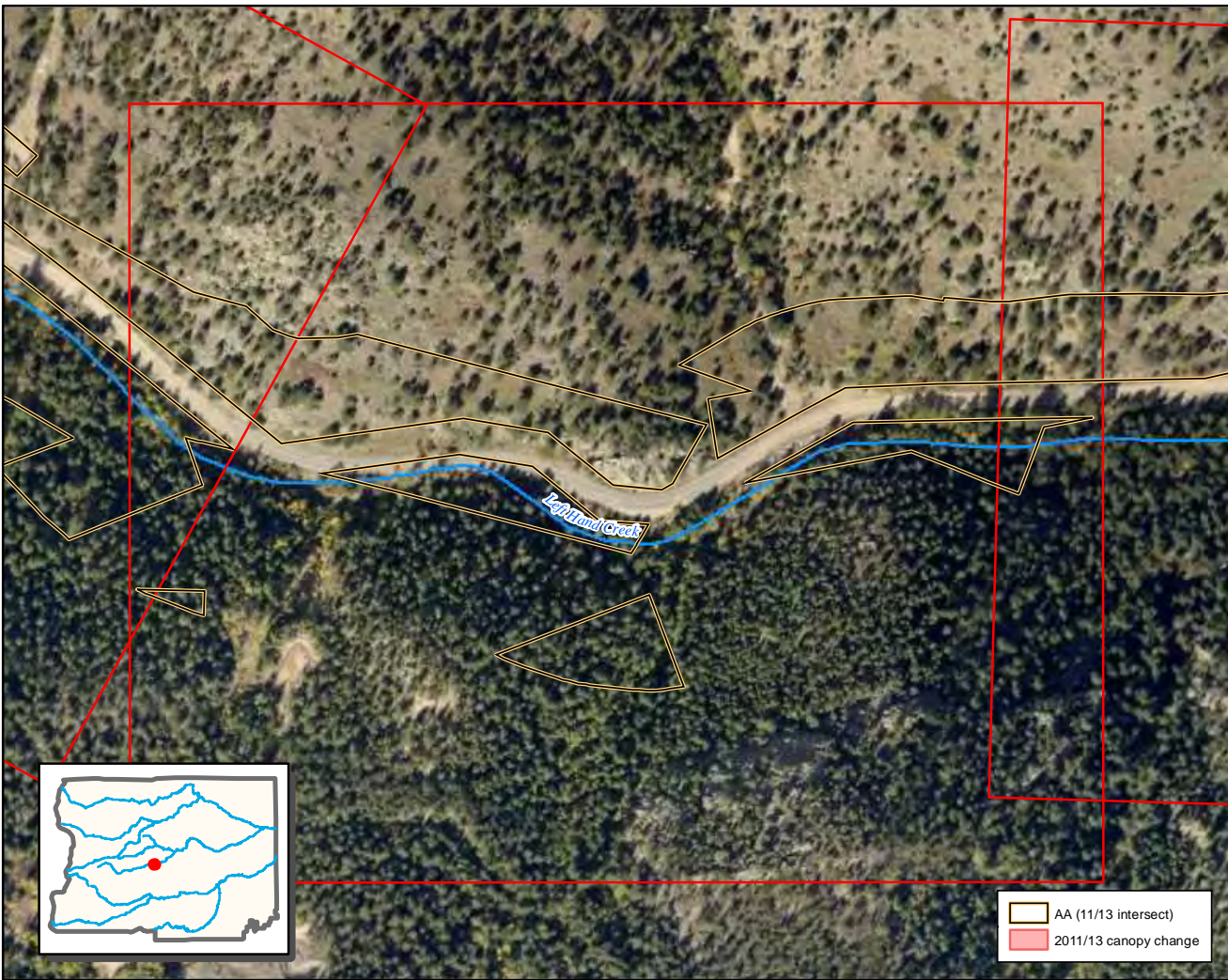
Canopy change: 2011 - 2013





Canopy change: 2011 - 2013

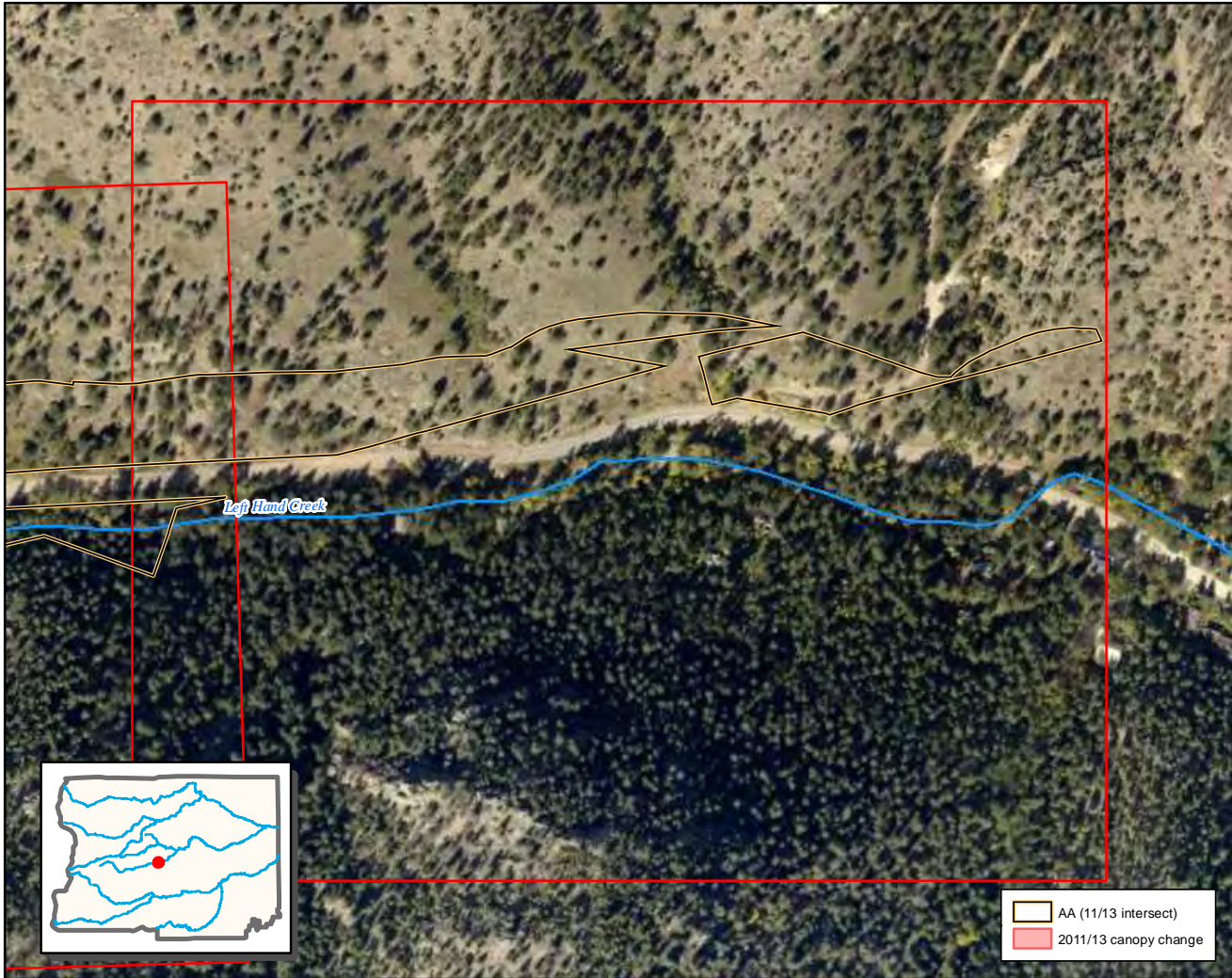
Tile 34



0 0.05 0.1 Km

Canopy change: 2011 - 2013

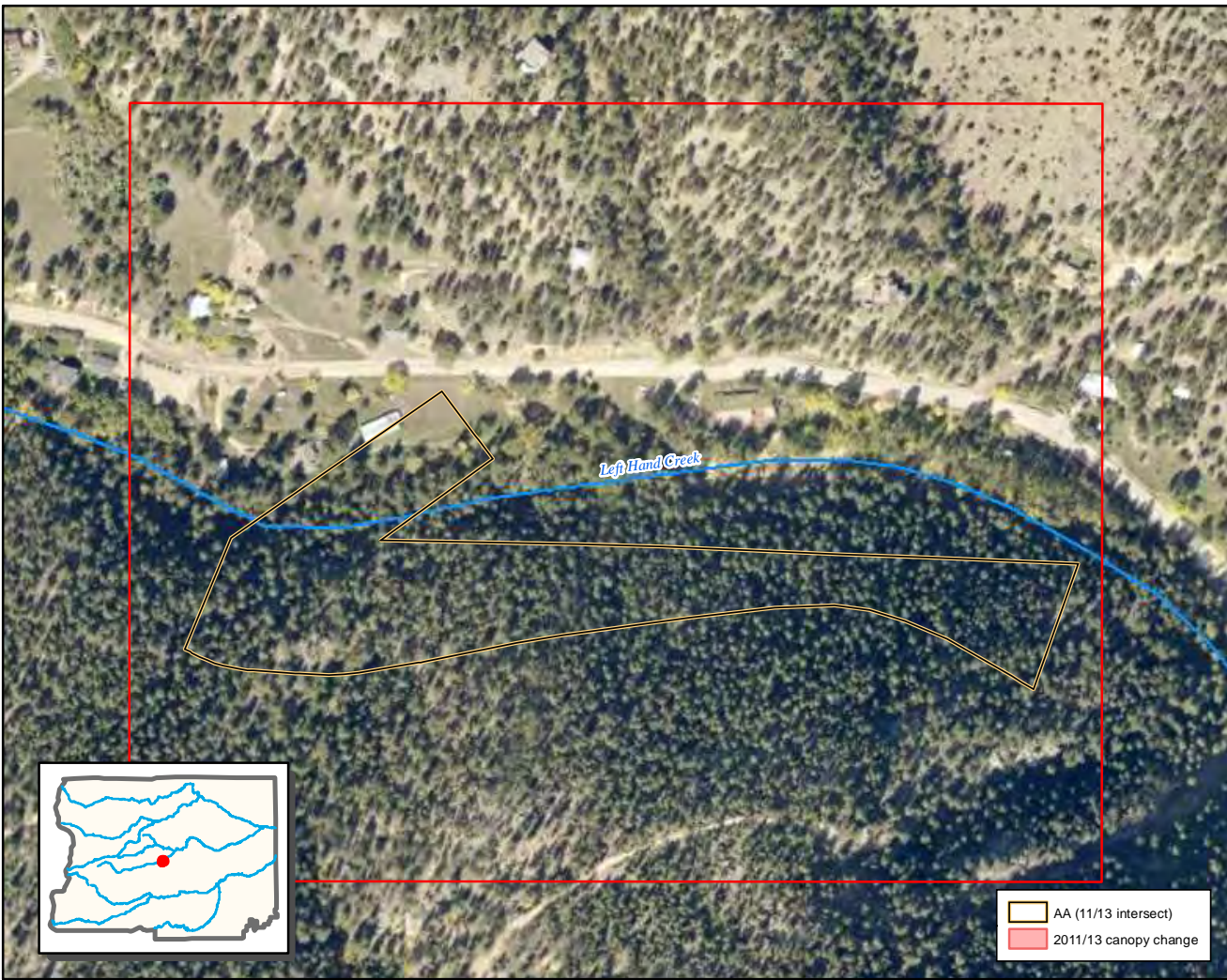
Tile 35



0 0.05 0.1 Km

Canopy change: 2011 - 2013

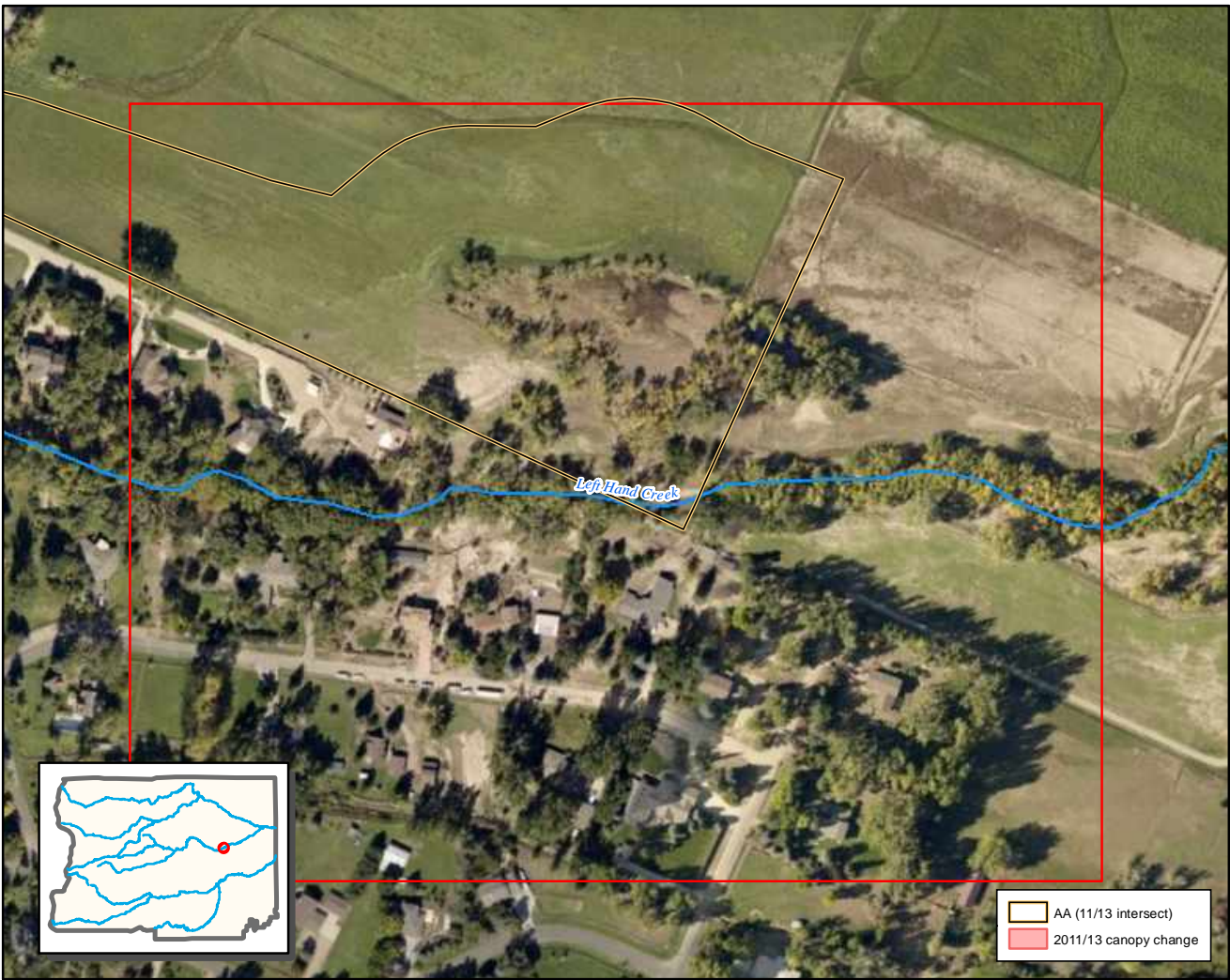
Tile 36



0 0.05 0.1 Km

Canopy change: 2011 - 2013

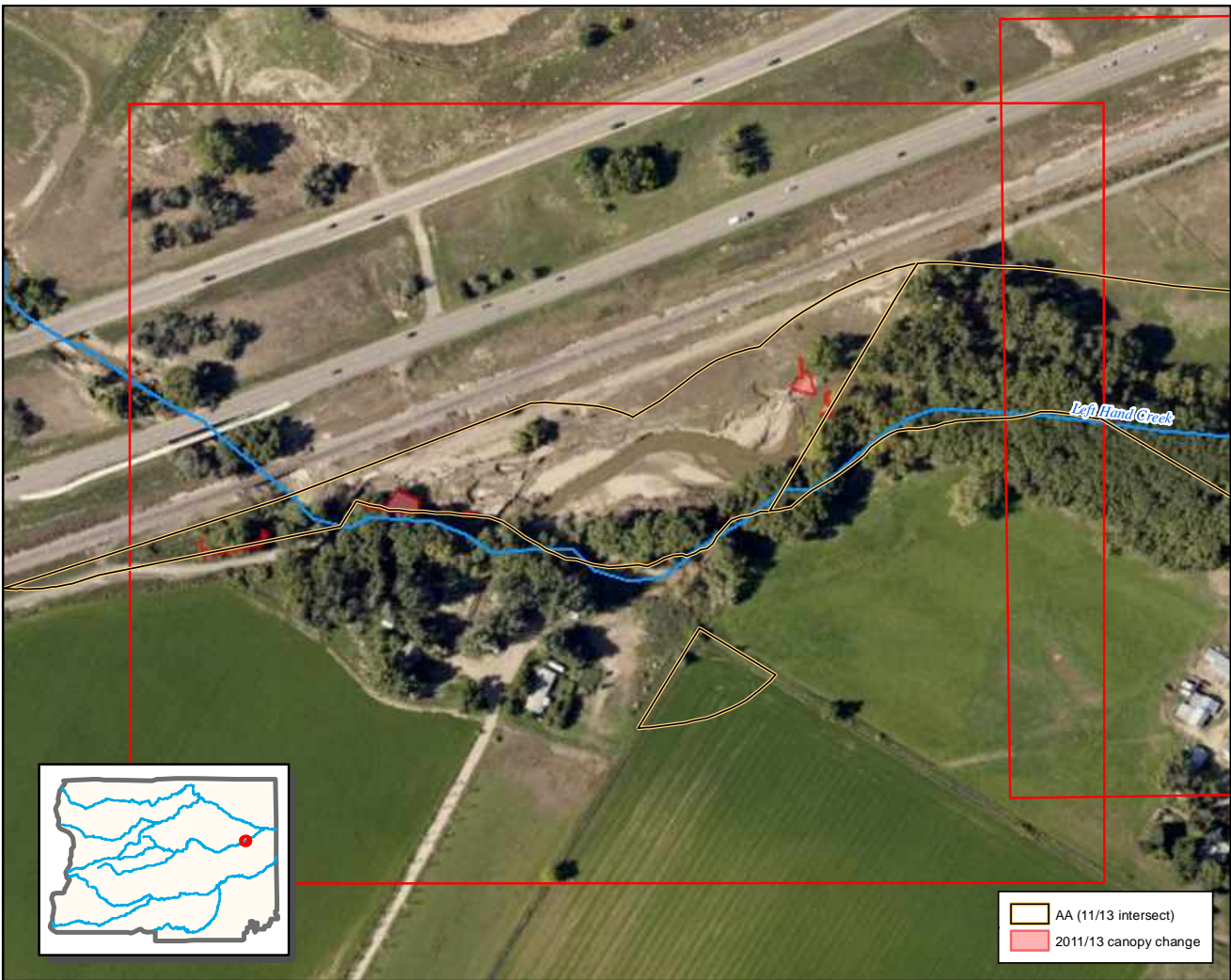
Tile 37

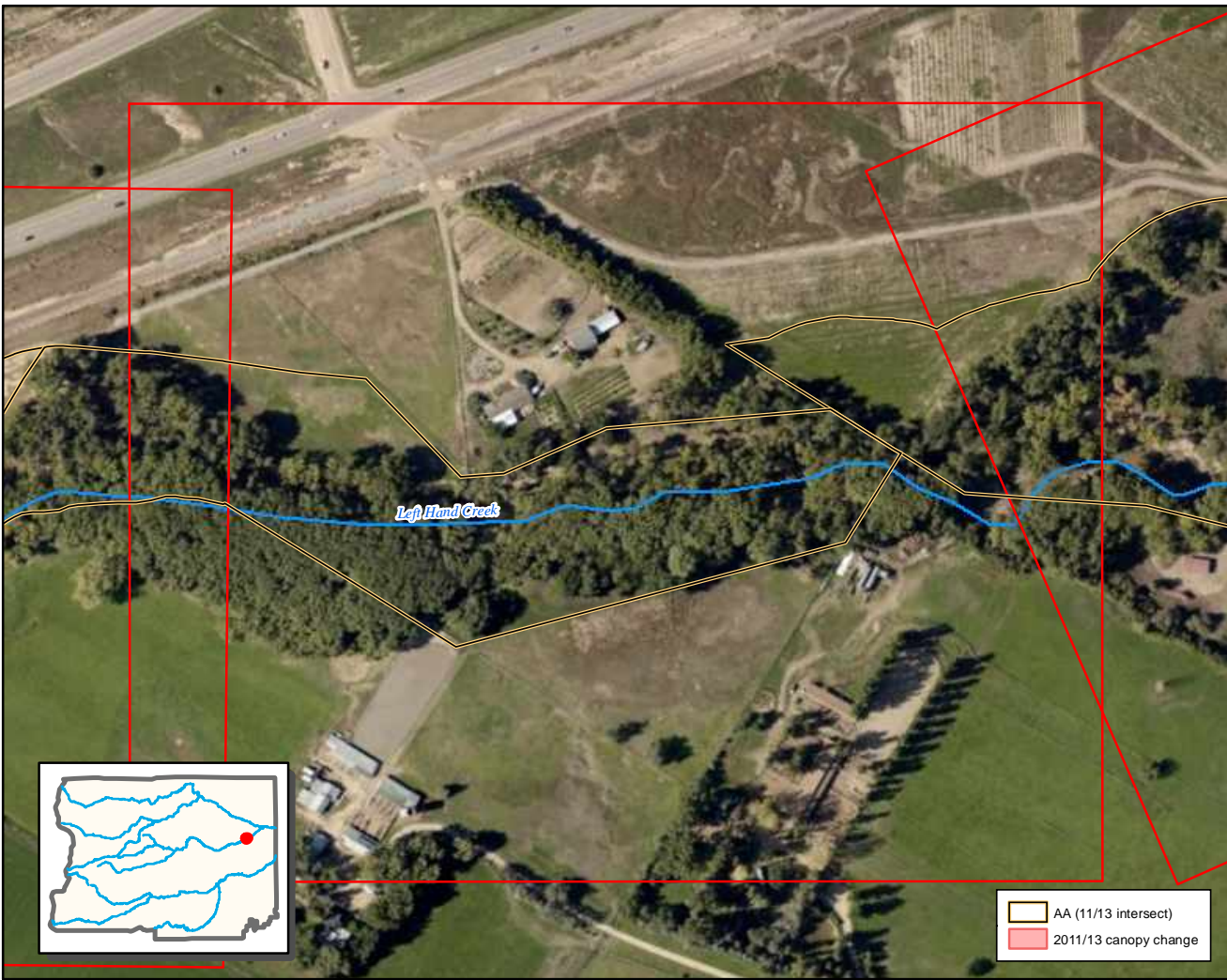


0 0.05 0.1 Km

Canopy change: 2011 - 2013

Tile 40

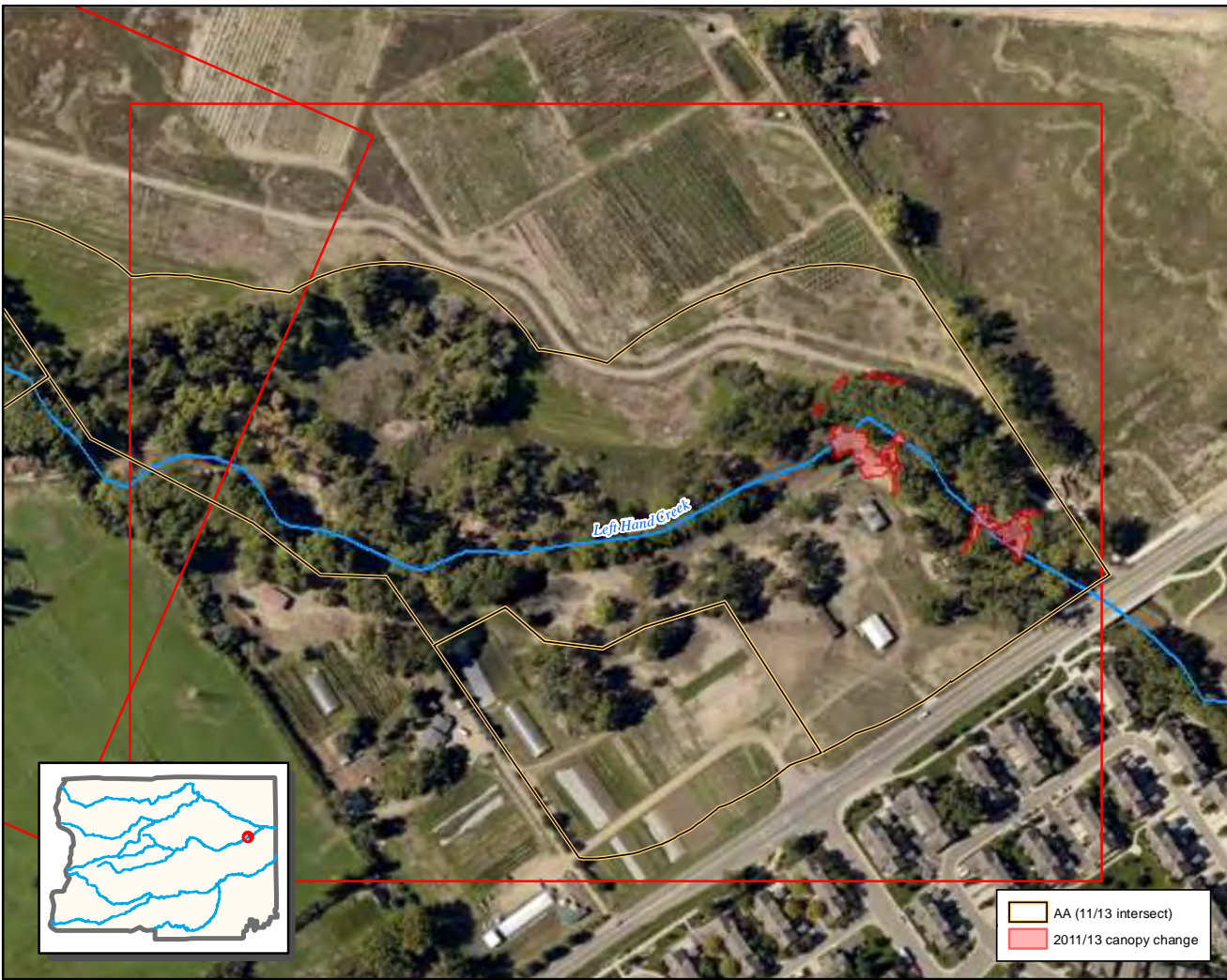




0 0.05 0.1 Km

Canopy change: 2011 - 2013

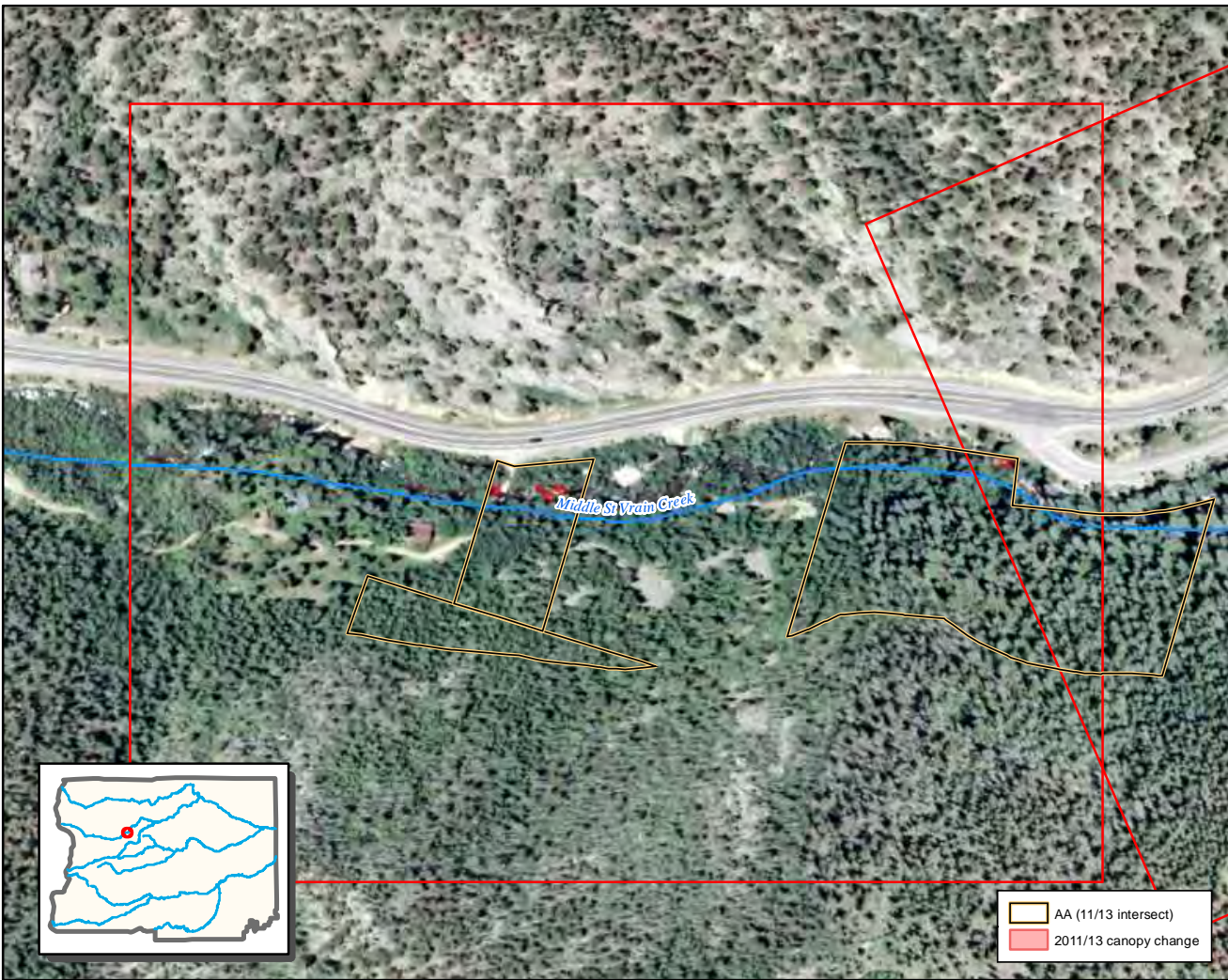
Tile 44



0 0.05 0.1 Km

Canopy change: 2011 - 2013

Tile 45



0 0.05 0.1 Km

Canopy change: 2011 - 2013

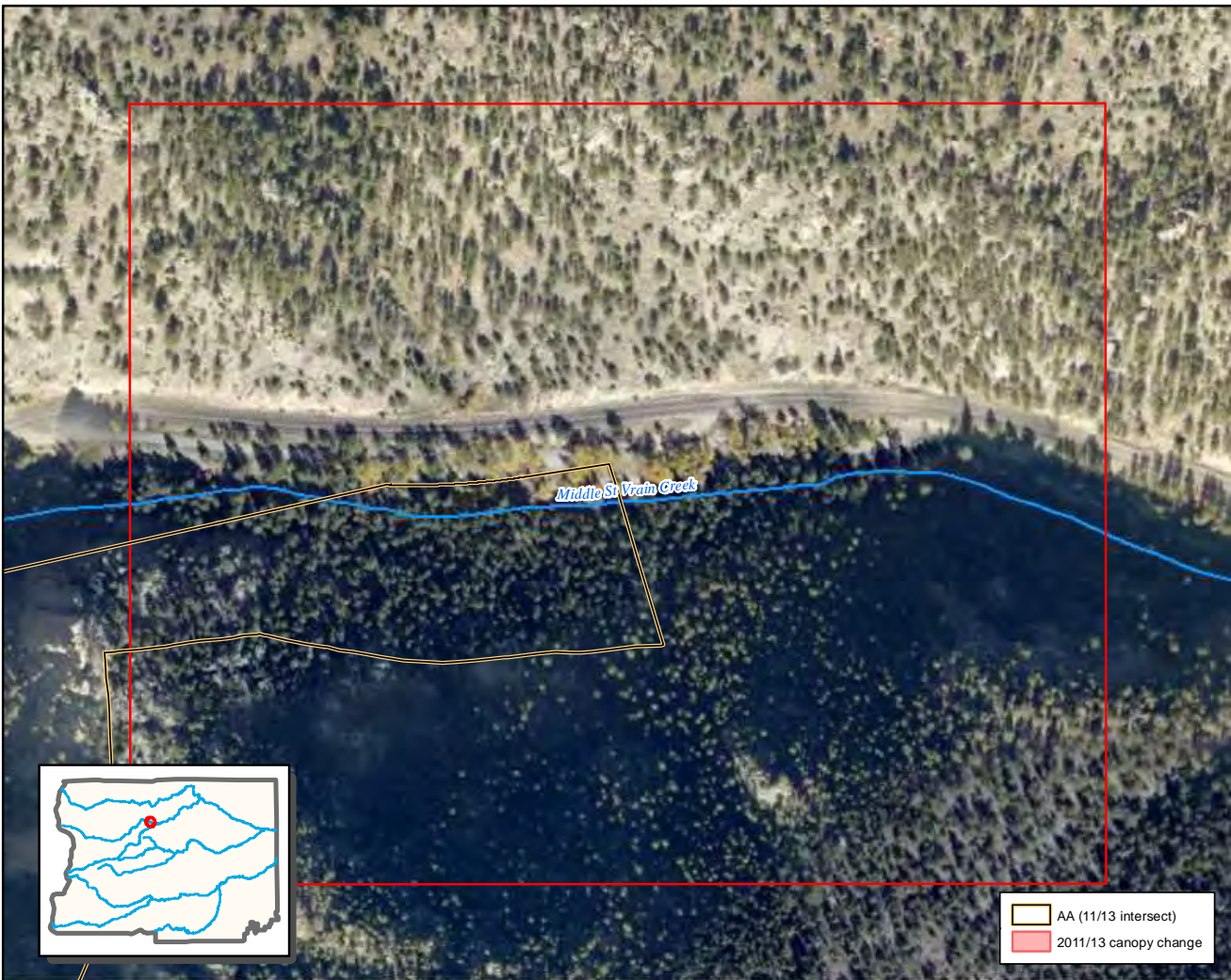
Tile 46



0 0.05 0.1 Km

Canopy change: 2011 - 2013

Tile 47



0 0.05 0.1 Km

Canopy change: 2011 - 2013

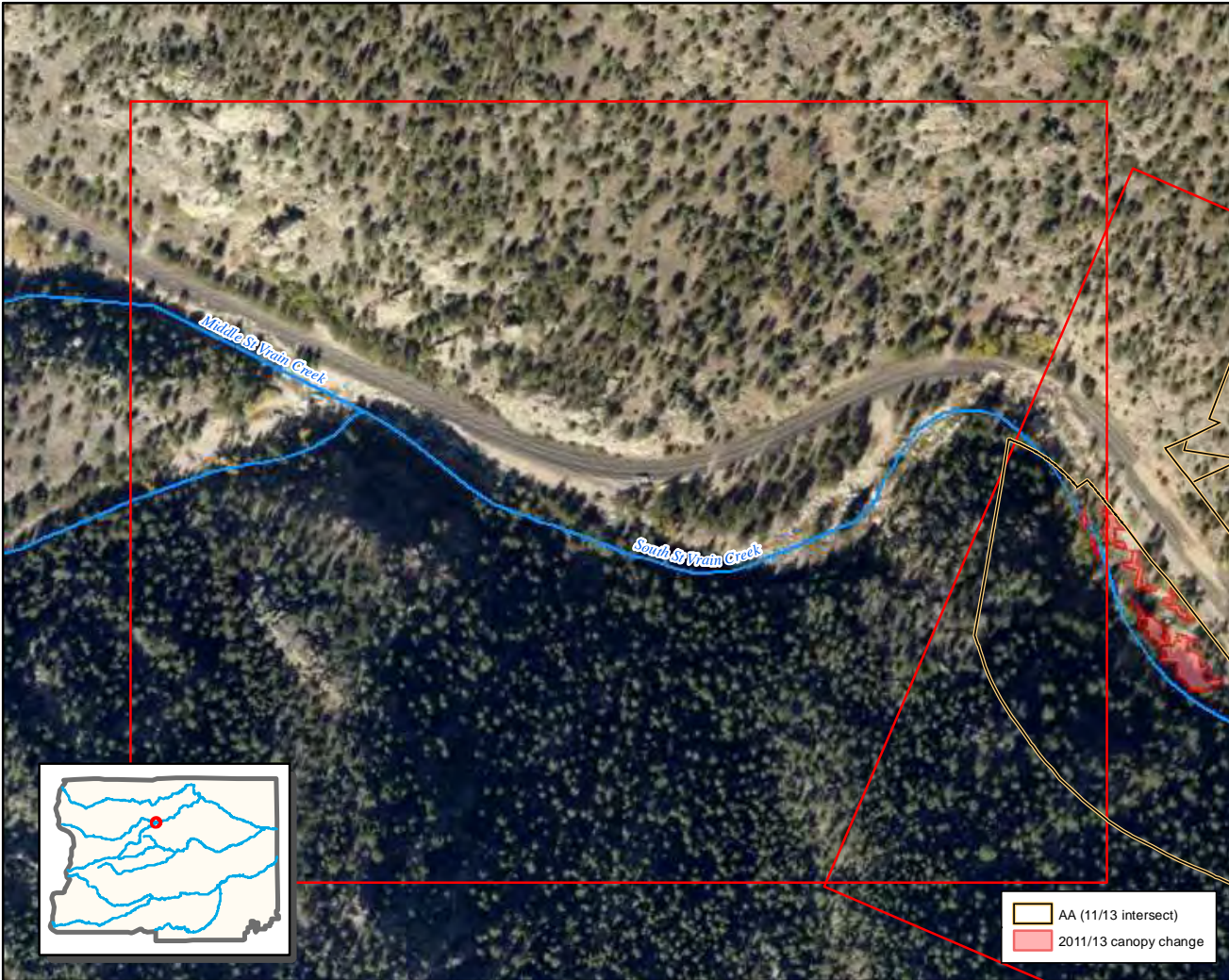
Tile 48



0 0.05 0.1 Km

Canopy change: 2011 - 2013

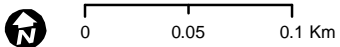
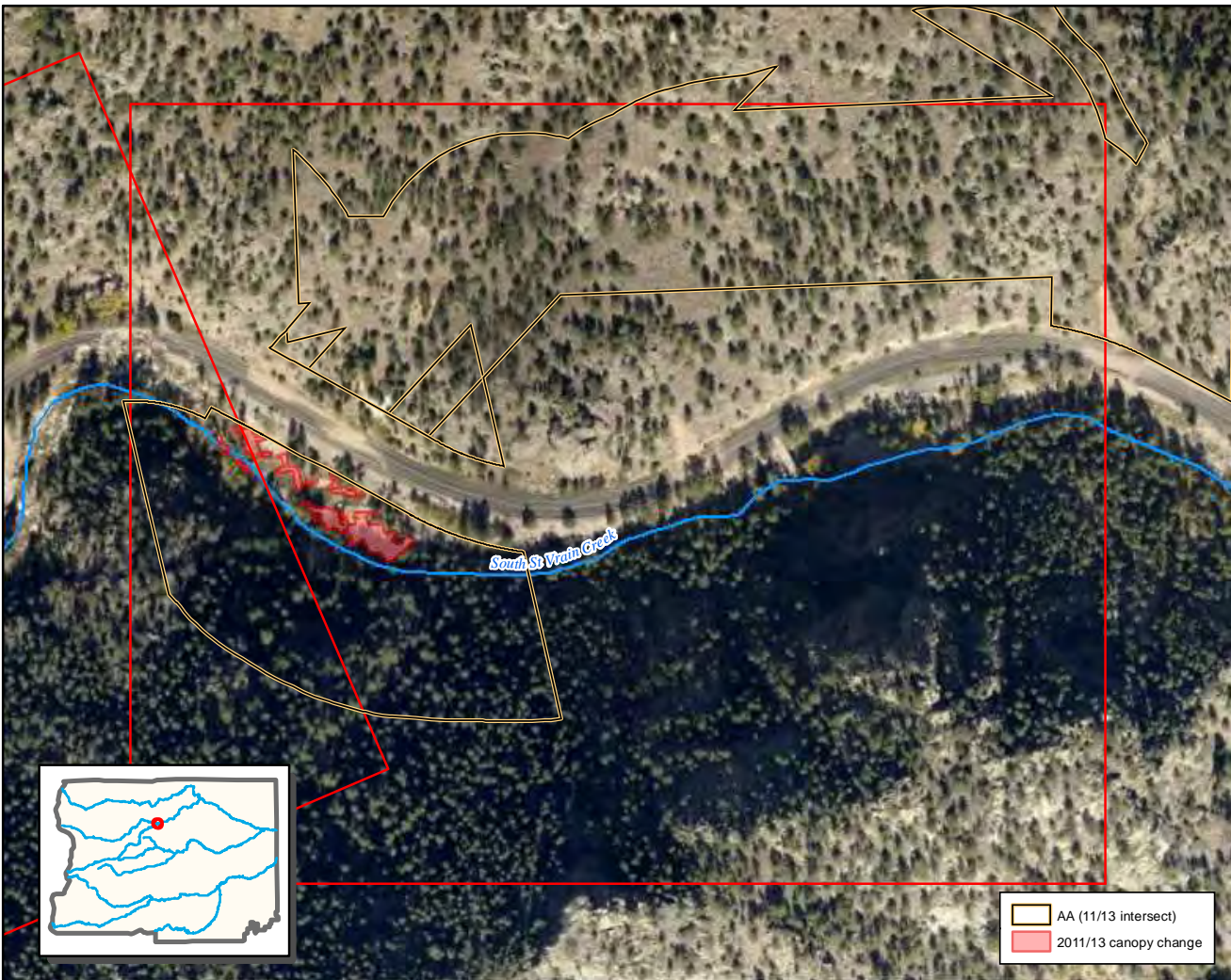
Tile 49



0 0.05 0.1 Km

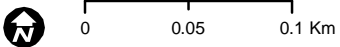
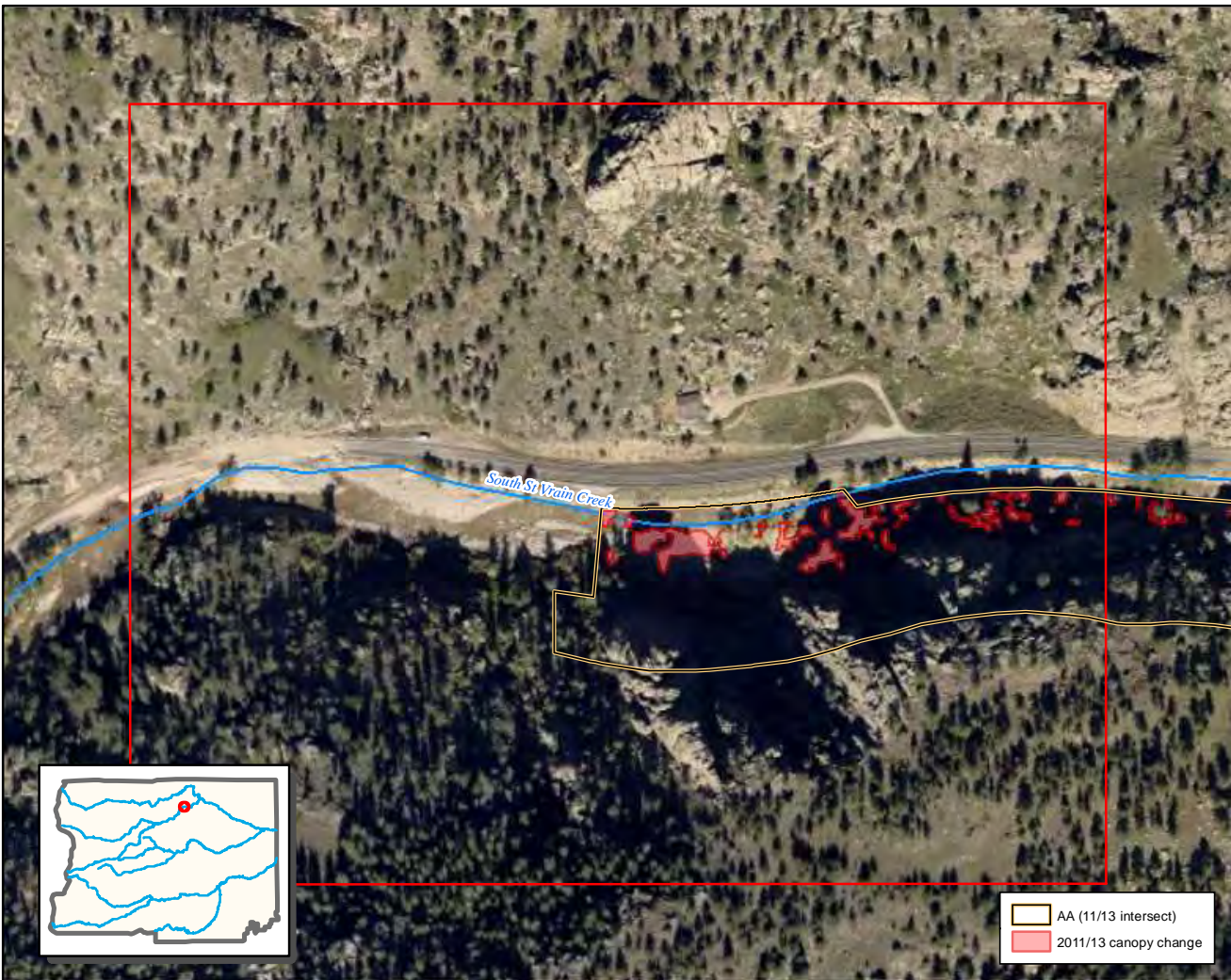
Canopy change: 2011 - 2013

Tile 61

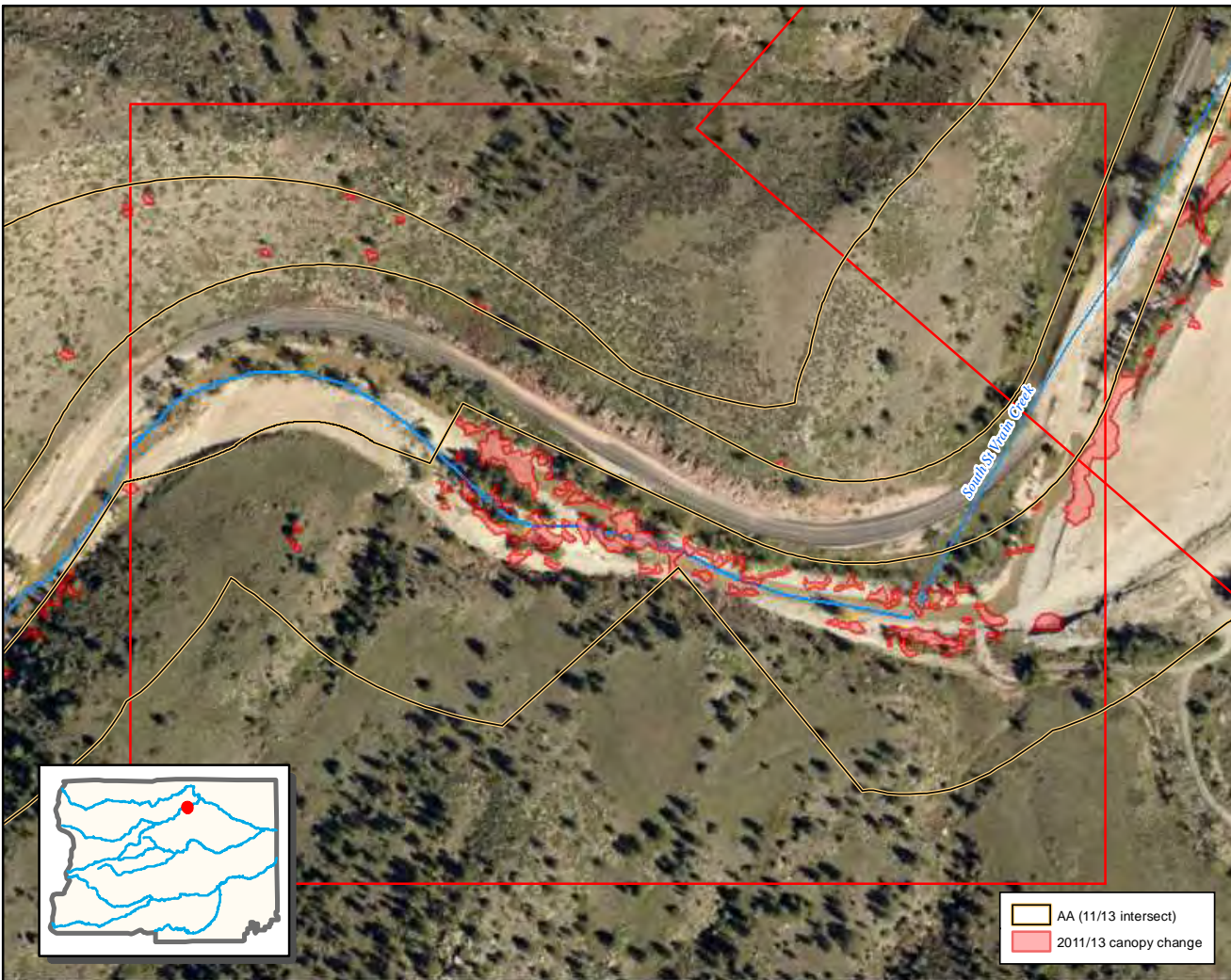


Canopy change: 2011 - 2013

Tile 62



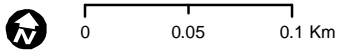
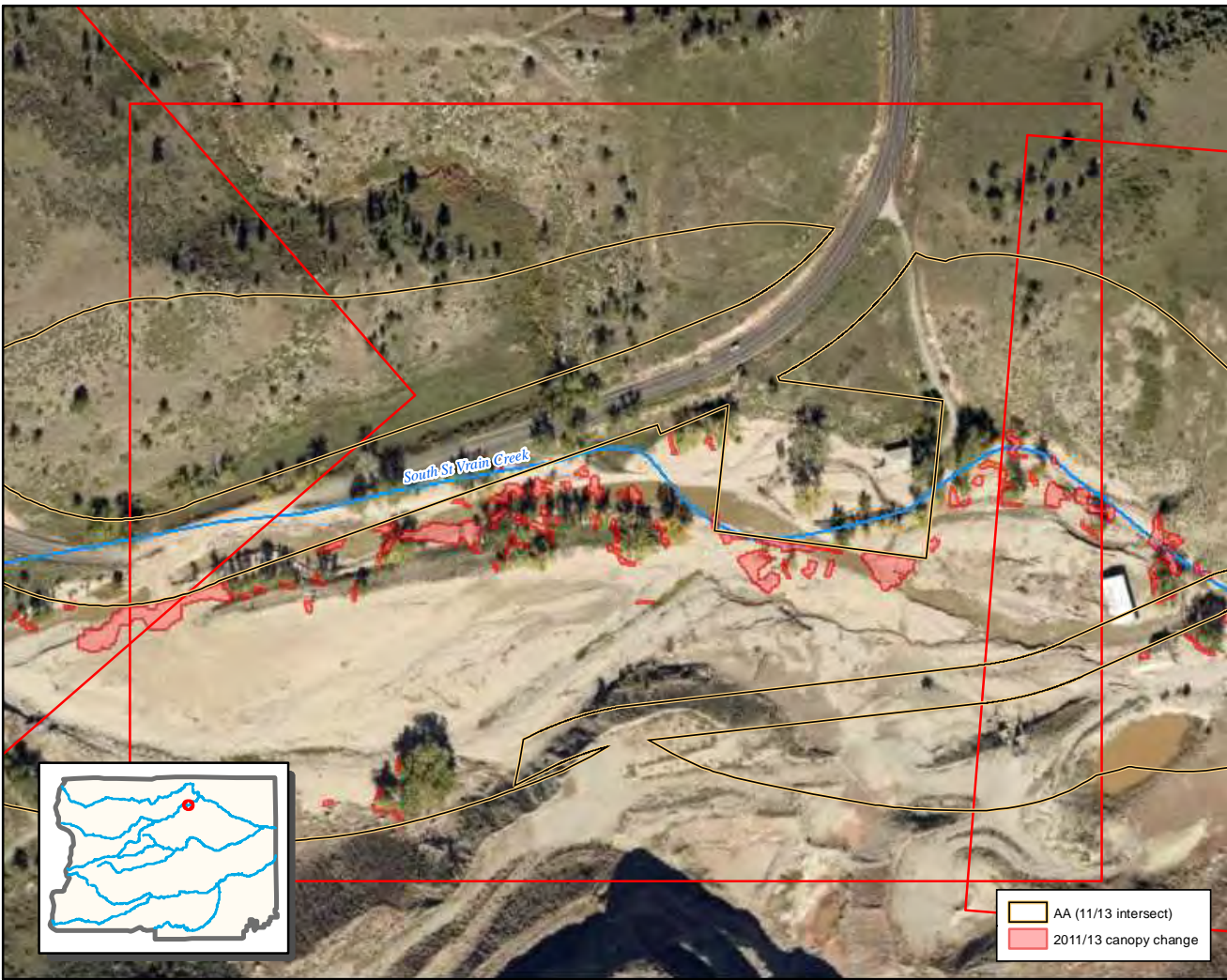
Canopy change: 2011 - 2013



0 0.05 0.1 Km

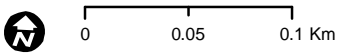
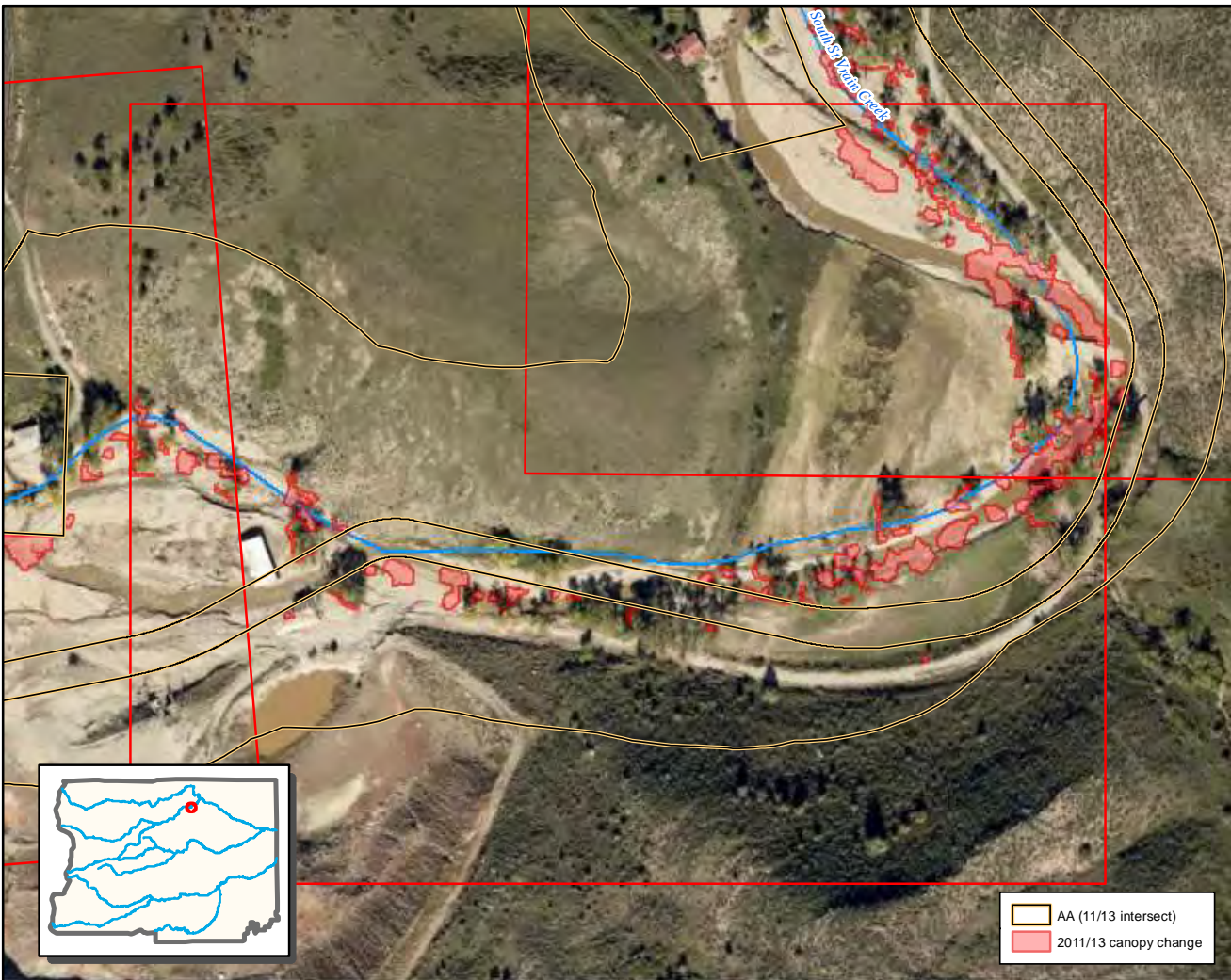
Canopy change: 2011 - 2013

Tile 64



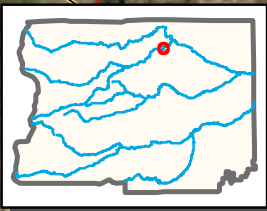
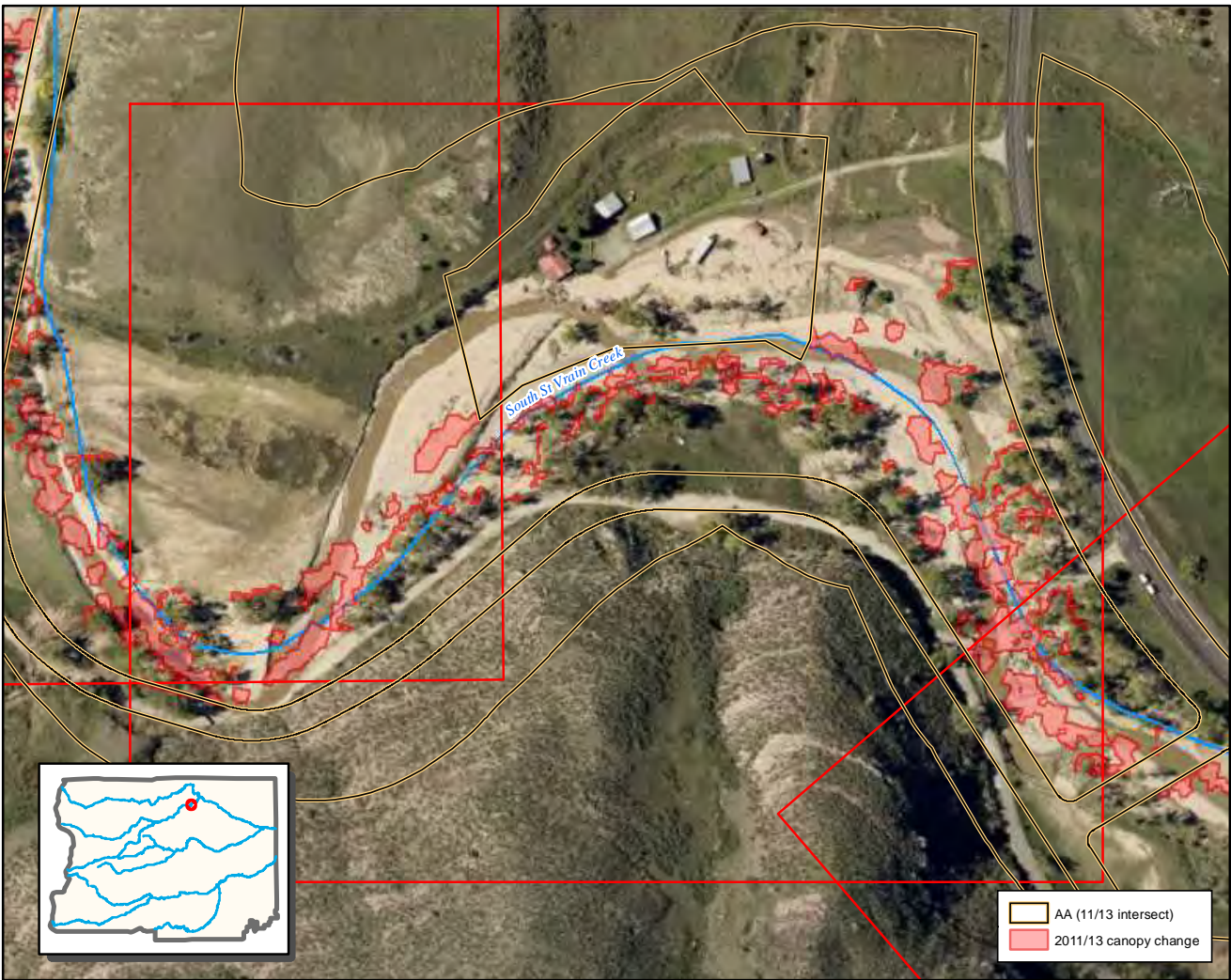
Canopy change: 2011 - 2013

Tile 65



Canopy change: 2011 - 2013

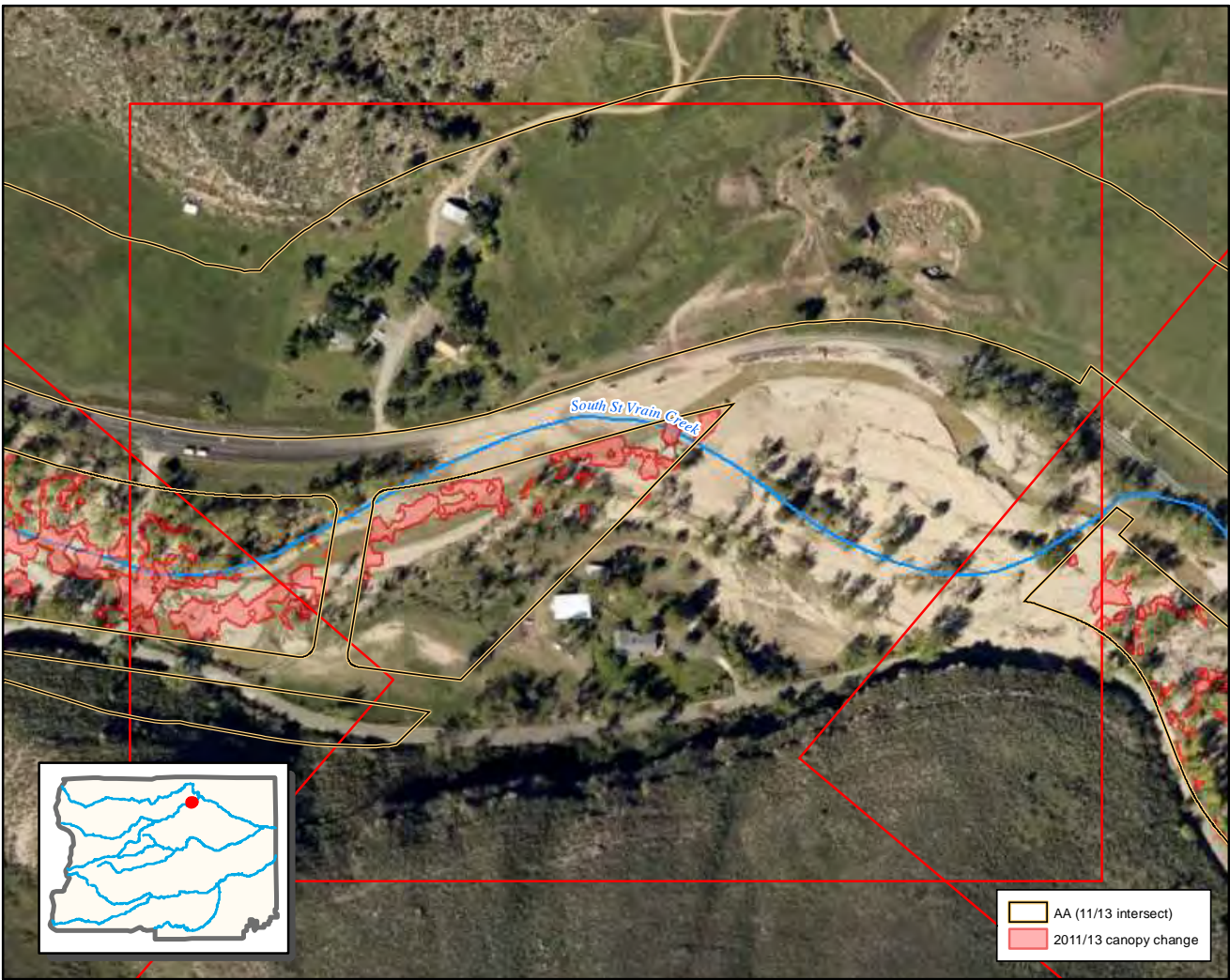
Tile 66



0 0.05 0.1 Km

Canopy change: 2011 - 2013

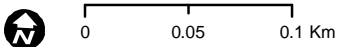
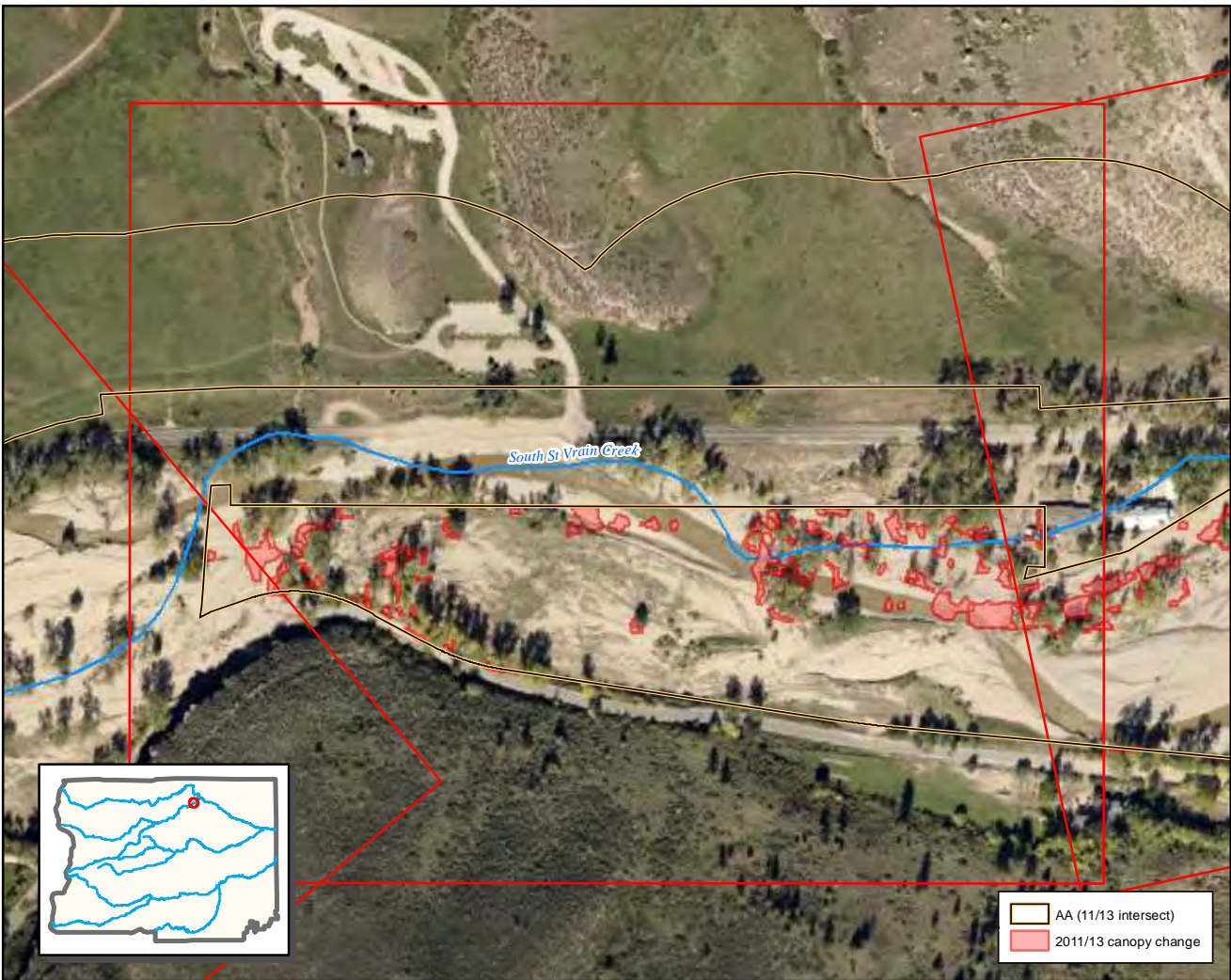
Tile 67



0 0.05 0.1 Km

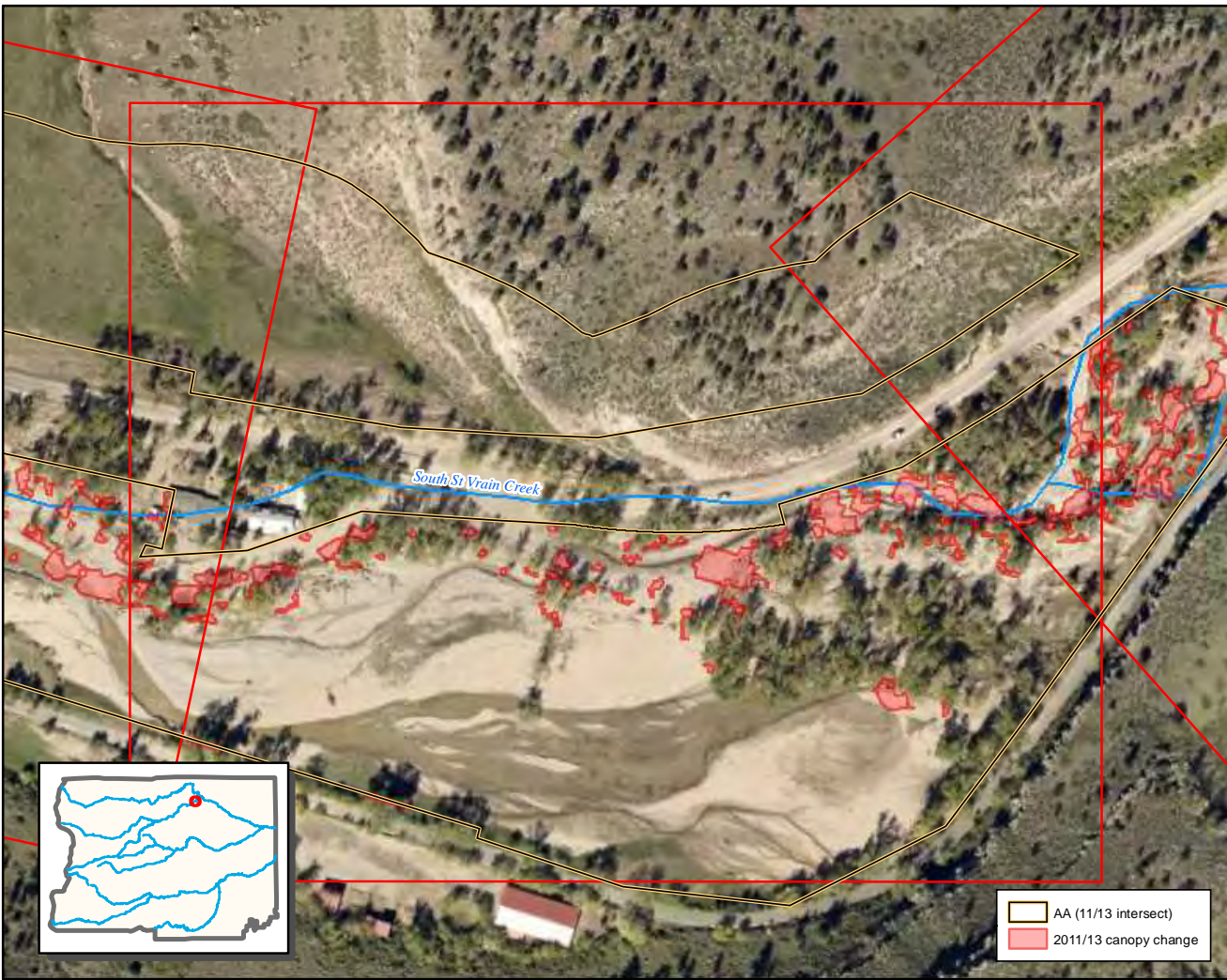
Canopy change: 2011 - 2013

Tile 68



Canopy change: 2011 - 2013

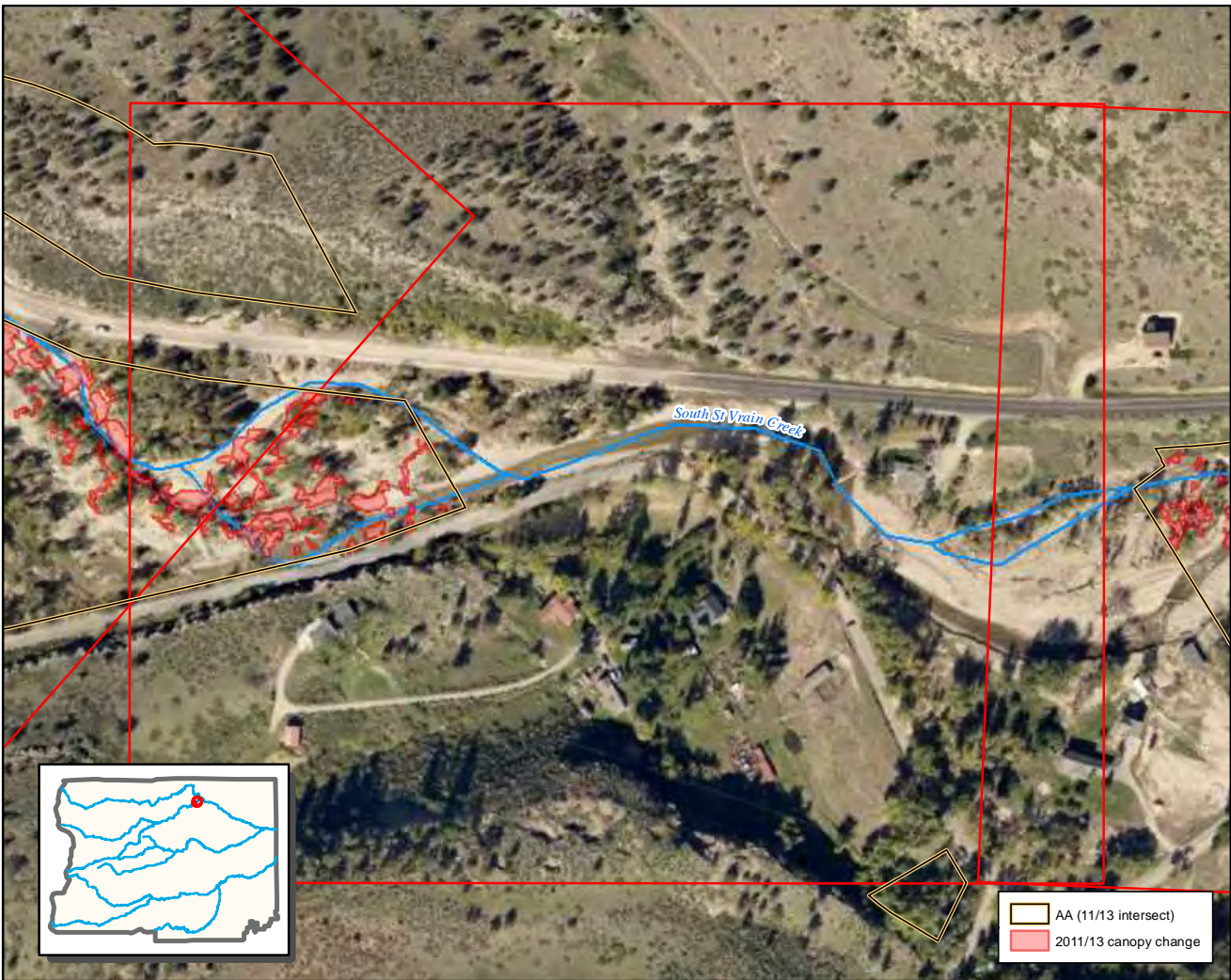
Tile 69



0 0.05 0.1 Km

Canopy change: 2011 - 2013

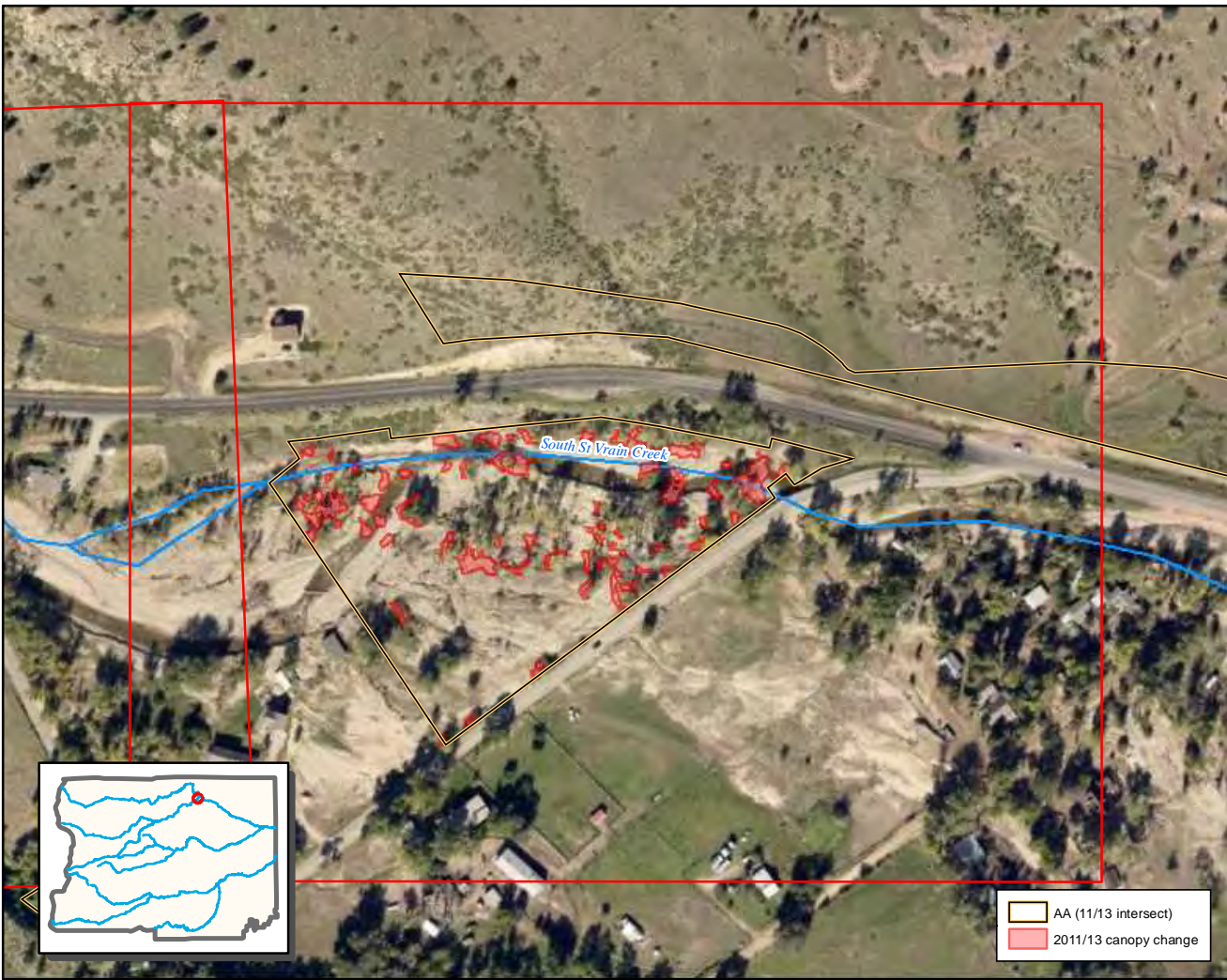
Tile 70



0 0.05 0.1 Km

Canopy change: 2011 - 2013

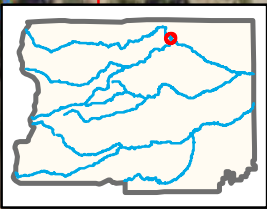
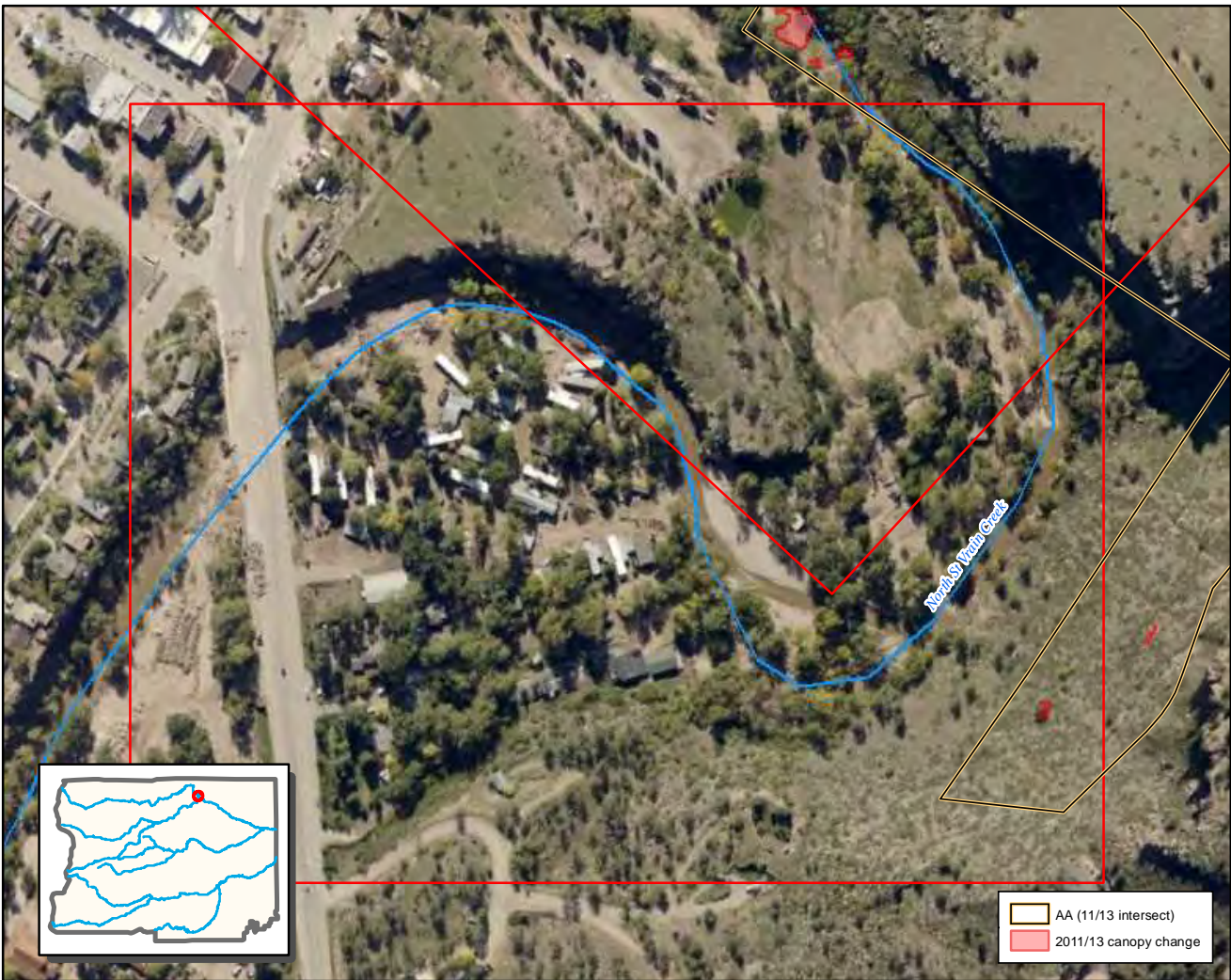
Tile 71



0 0.05 0.1 Km

Canopy change: 2011 - 2013

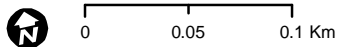
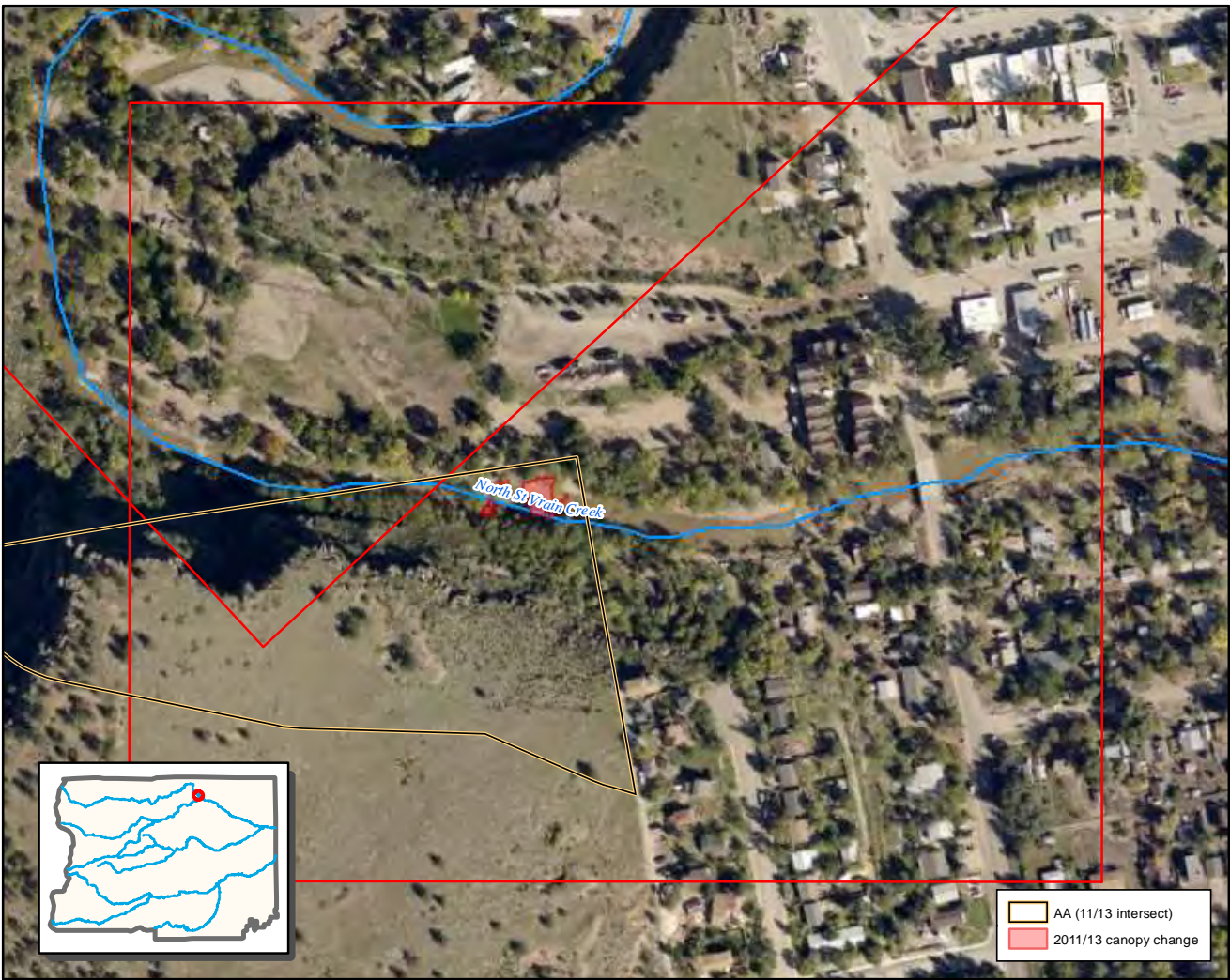
Tile 72



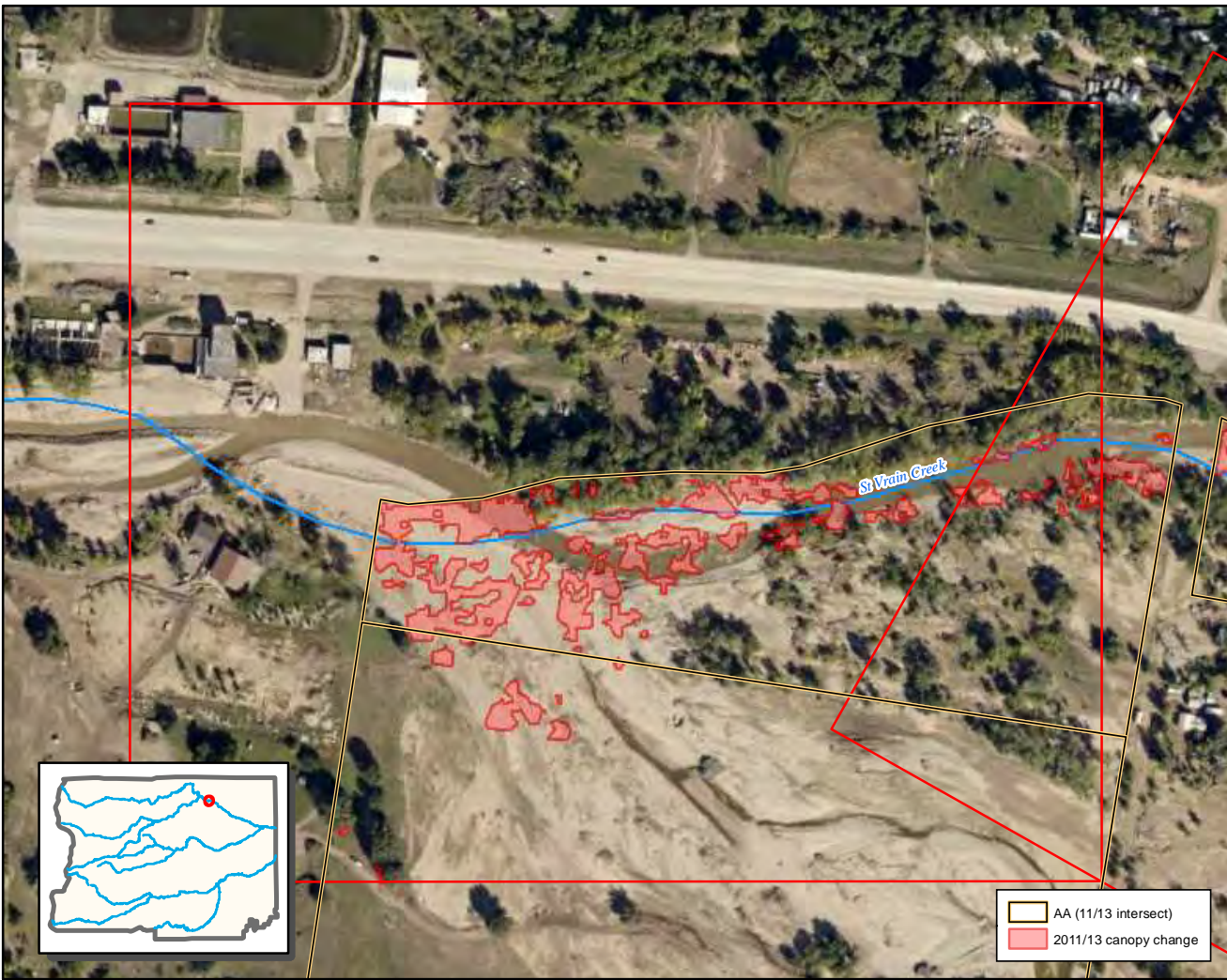
0 0.05 0.1 Km

Canopy change: 2011 - 2013

Tile 73



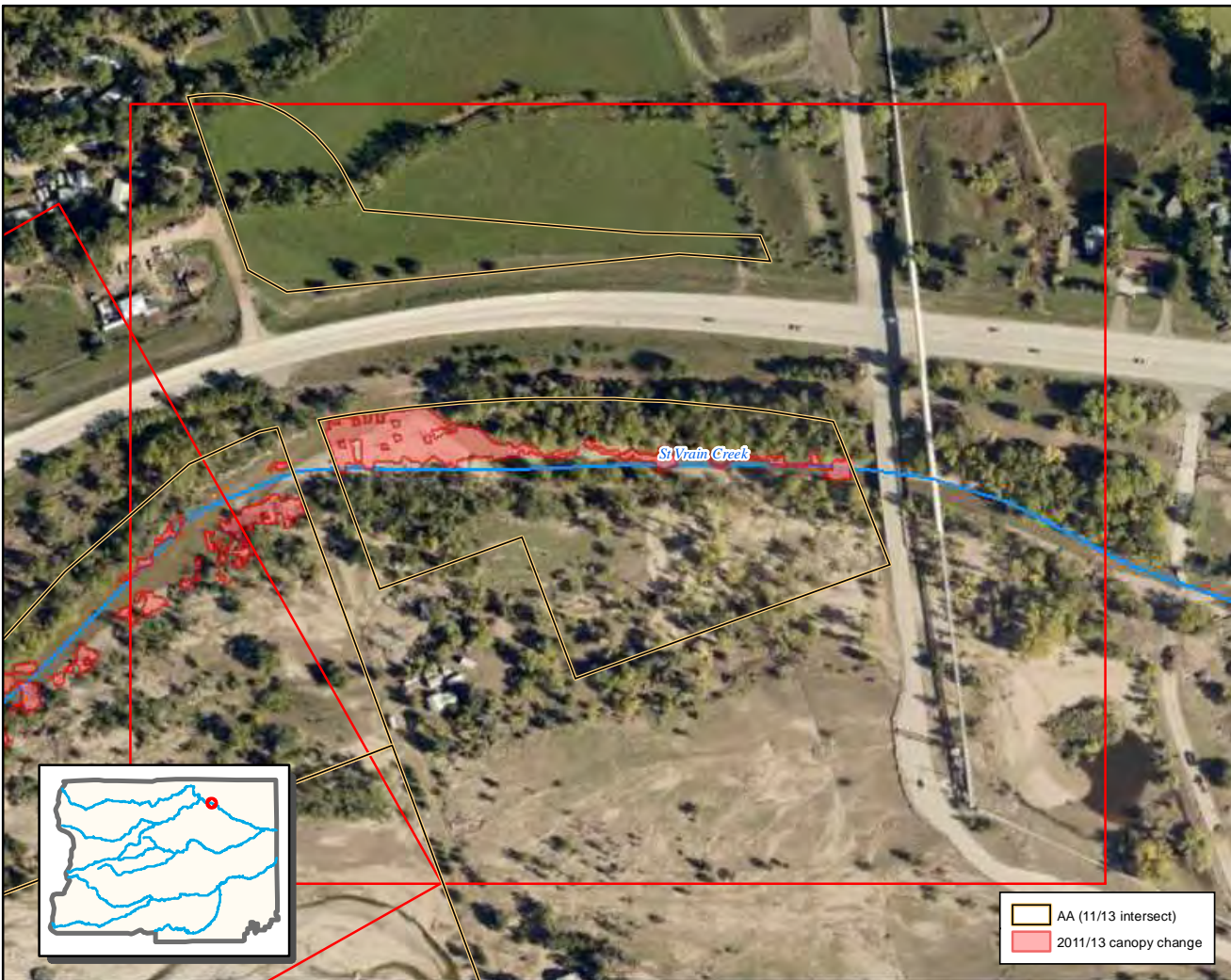
Canopy change: 2011 - 2013



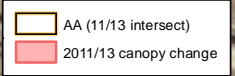
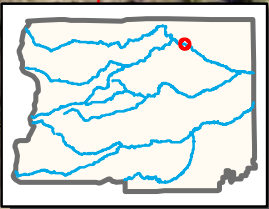
0 0.05 0.1 Km

Canopy change: 2011 - 2013

Tile 75



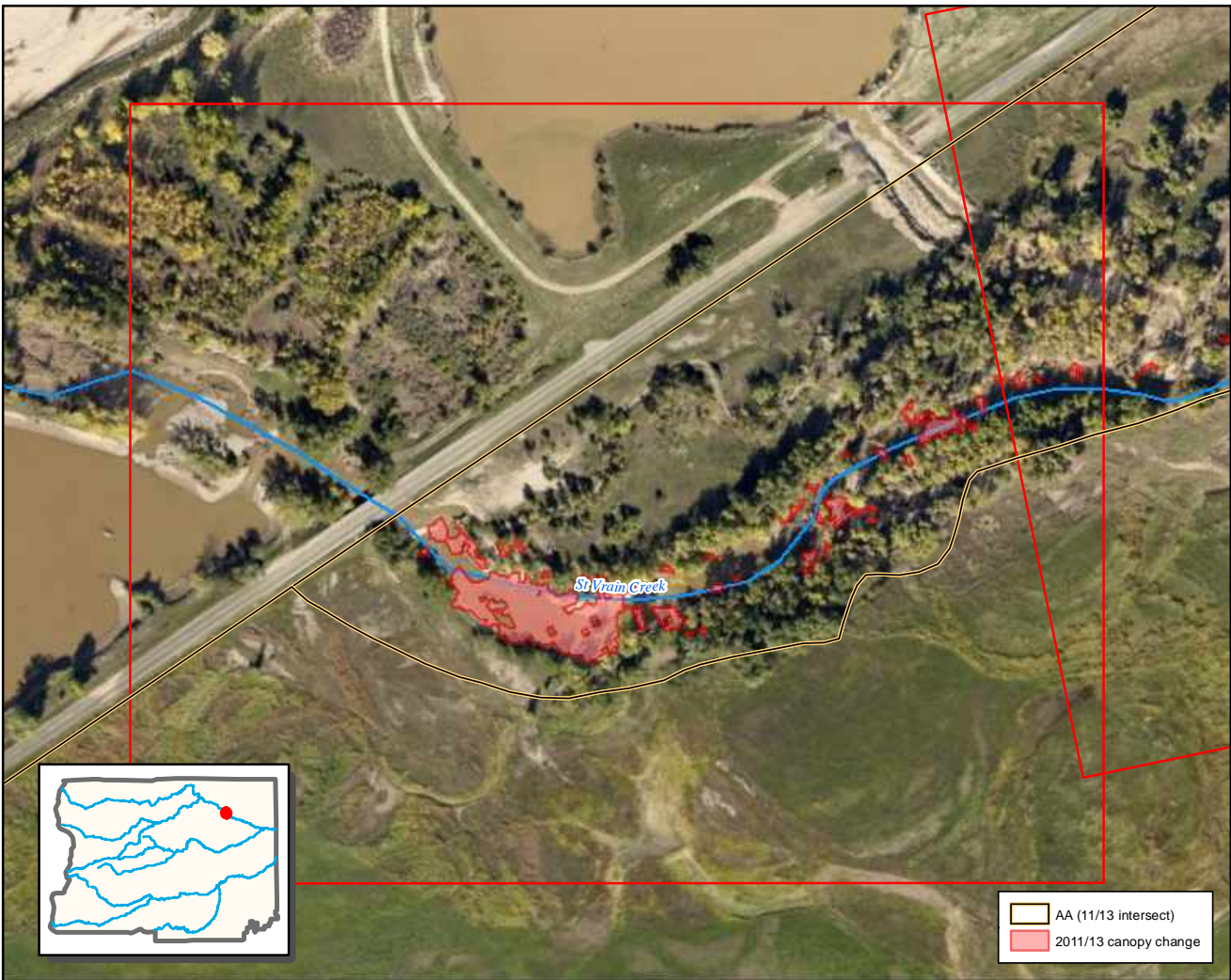
St Vrain Creek



0 0.05 0.1 Km

Canopy change: 2011 - 2013

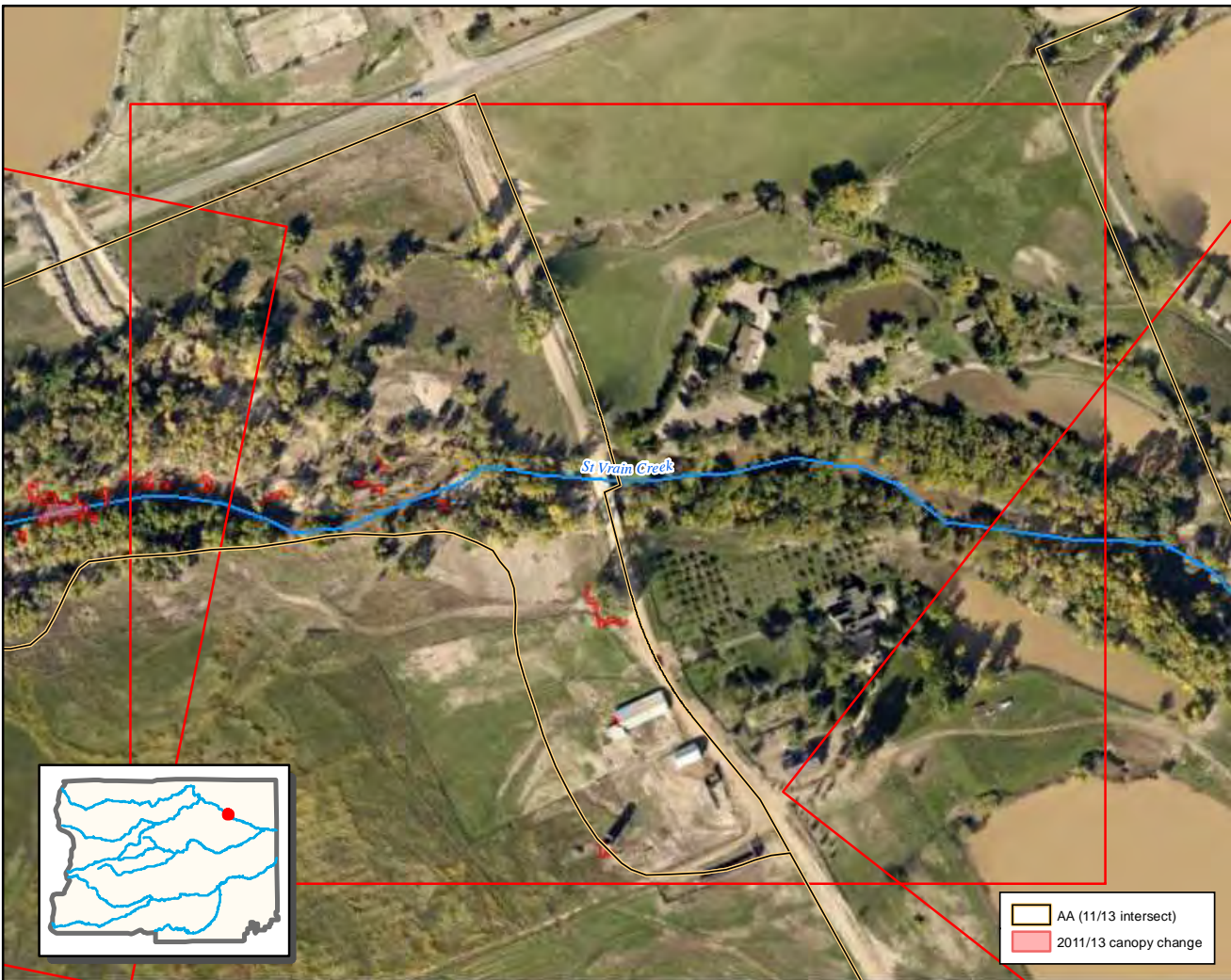
Tile 76



0 0.05 0.1 Km

Canopy change: 2011 - 2013

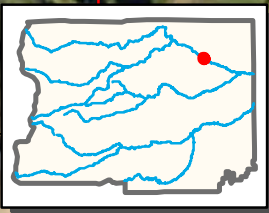
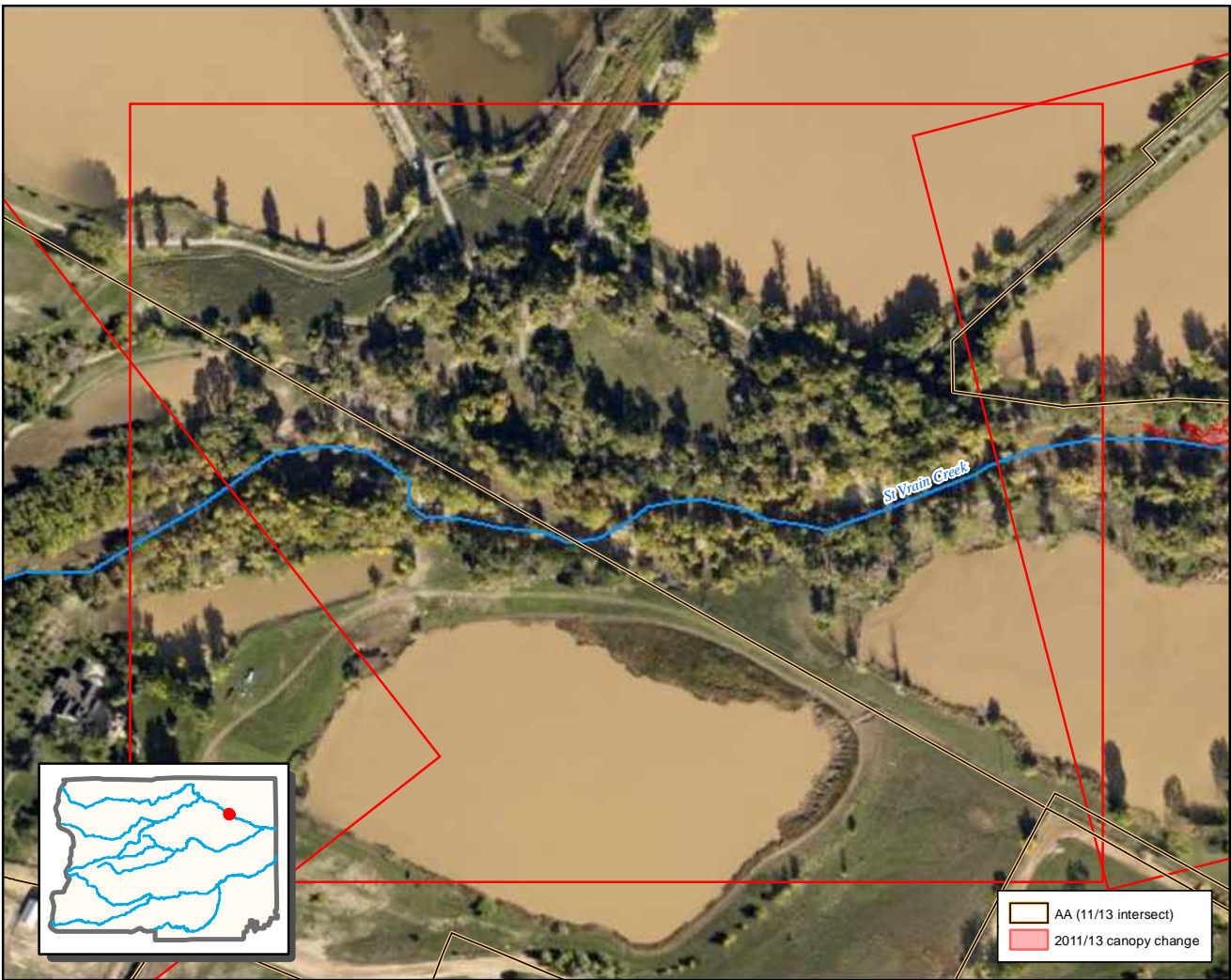
Tile 85



0 0.05 0.1 Km

Canopy change: 2011 - 2013

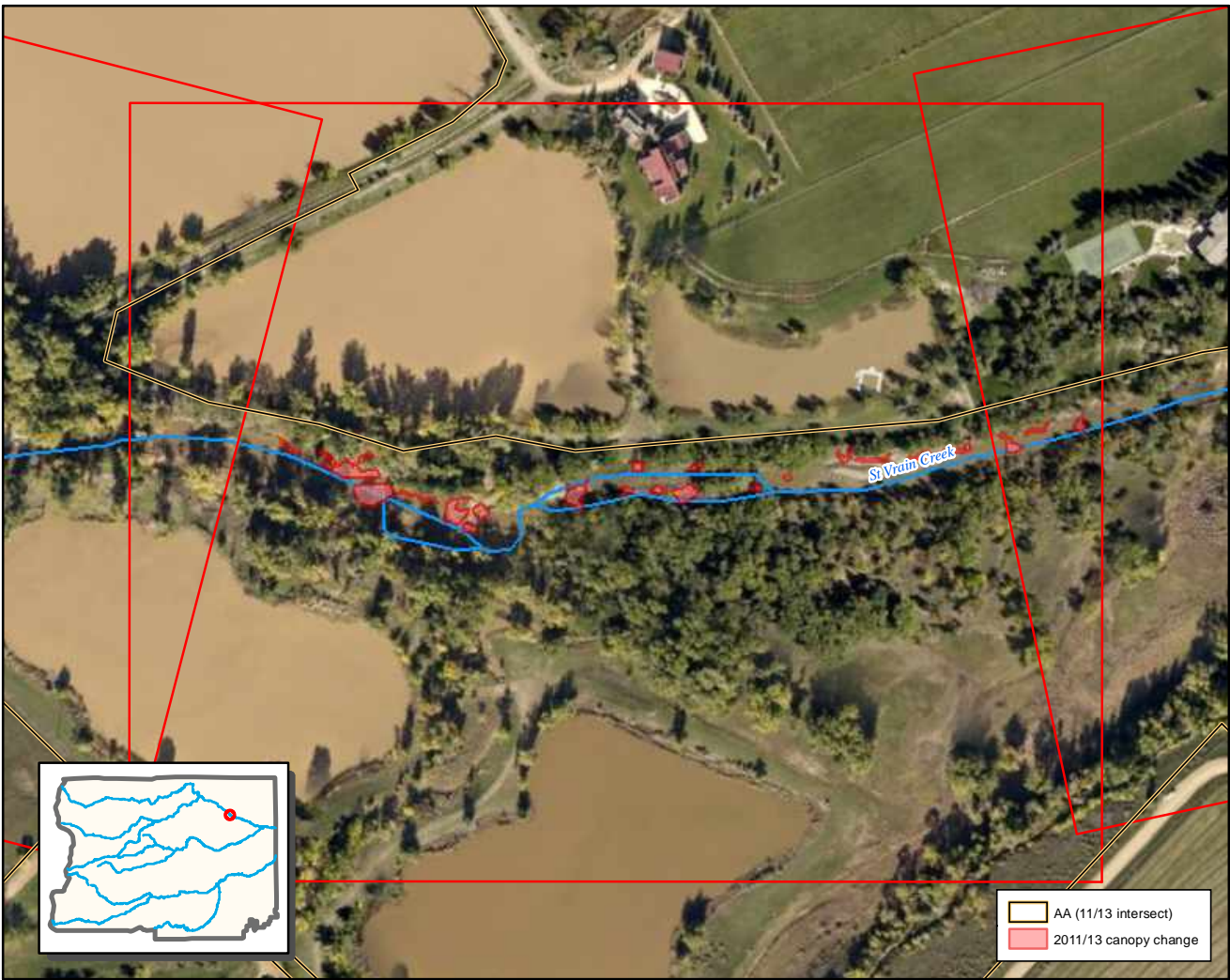
Tile 86



0 0.05 0.1 Km

Canopy change: 2011 - 2013

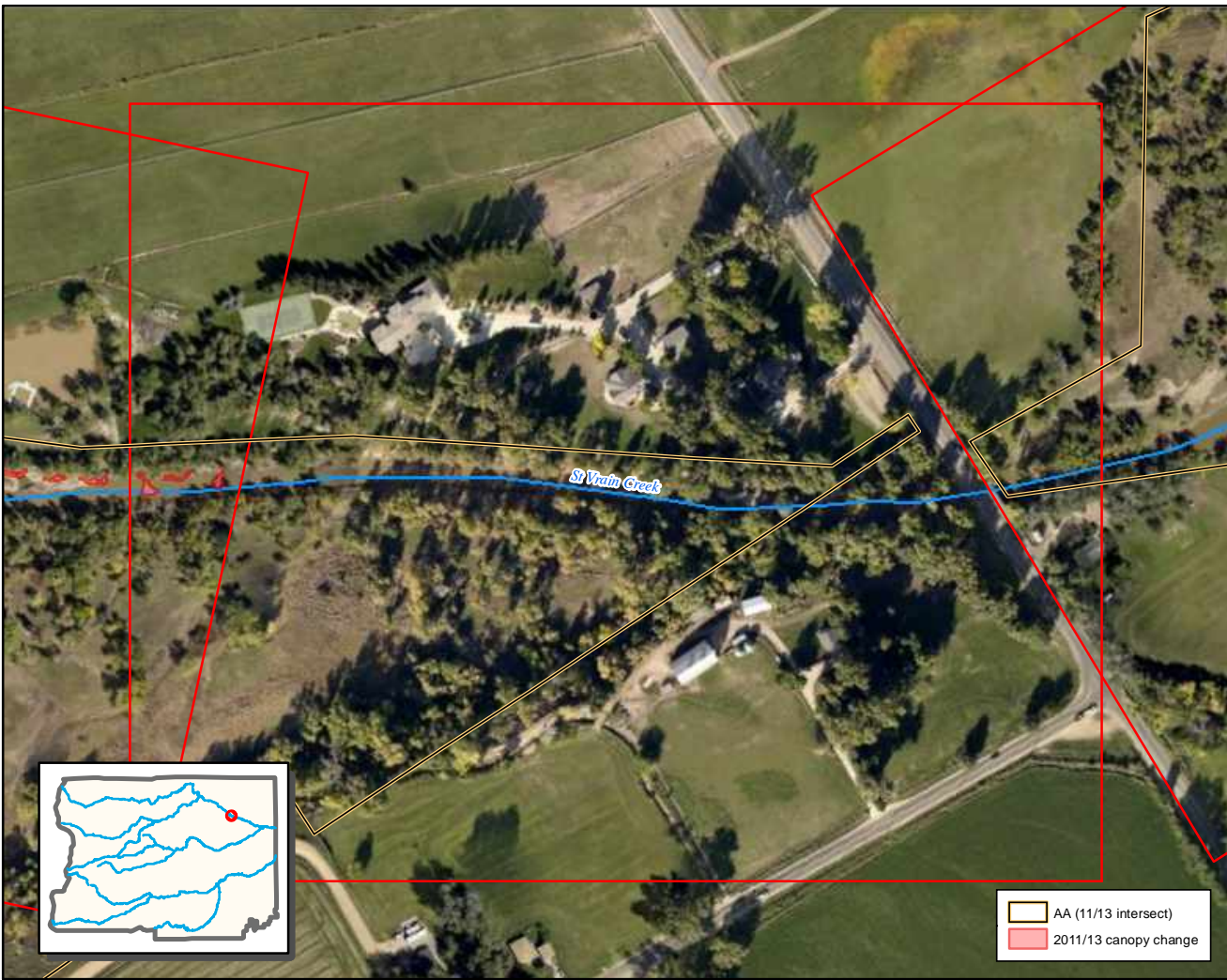
Tile 87



0 0.05 0.1 Km

Canopy change: 2011 - 2013

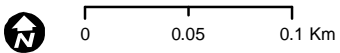
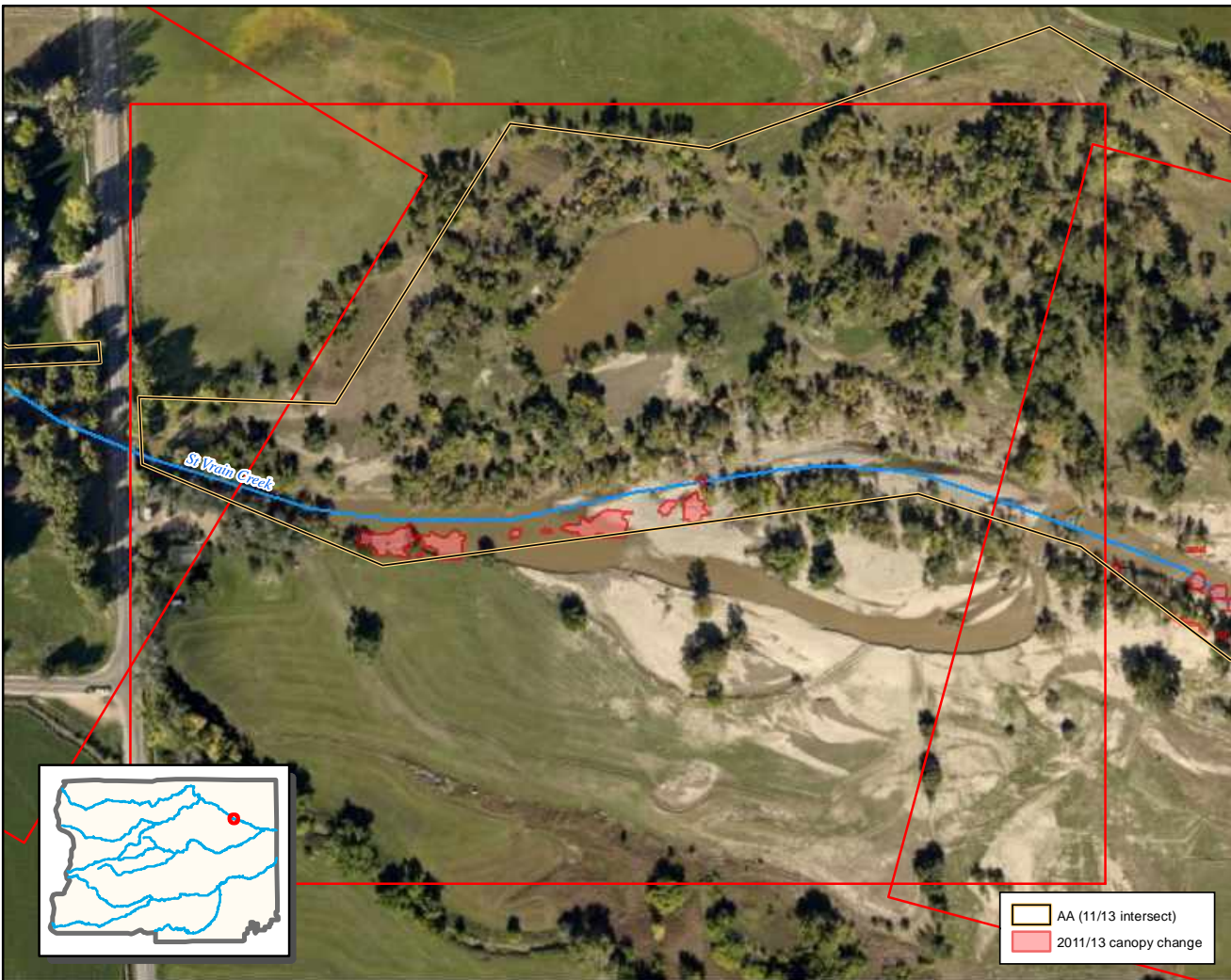
Tile 88



0 0.05 0.1 Km

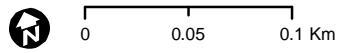
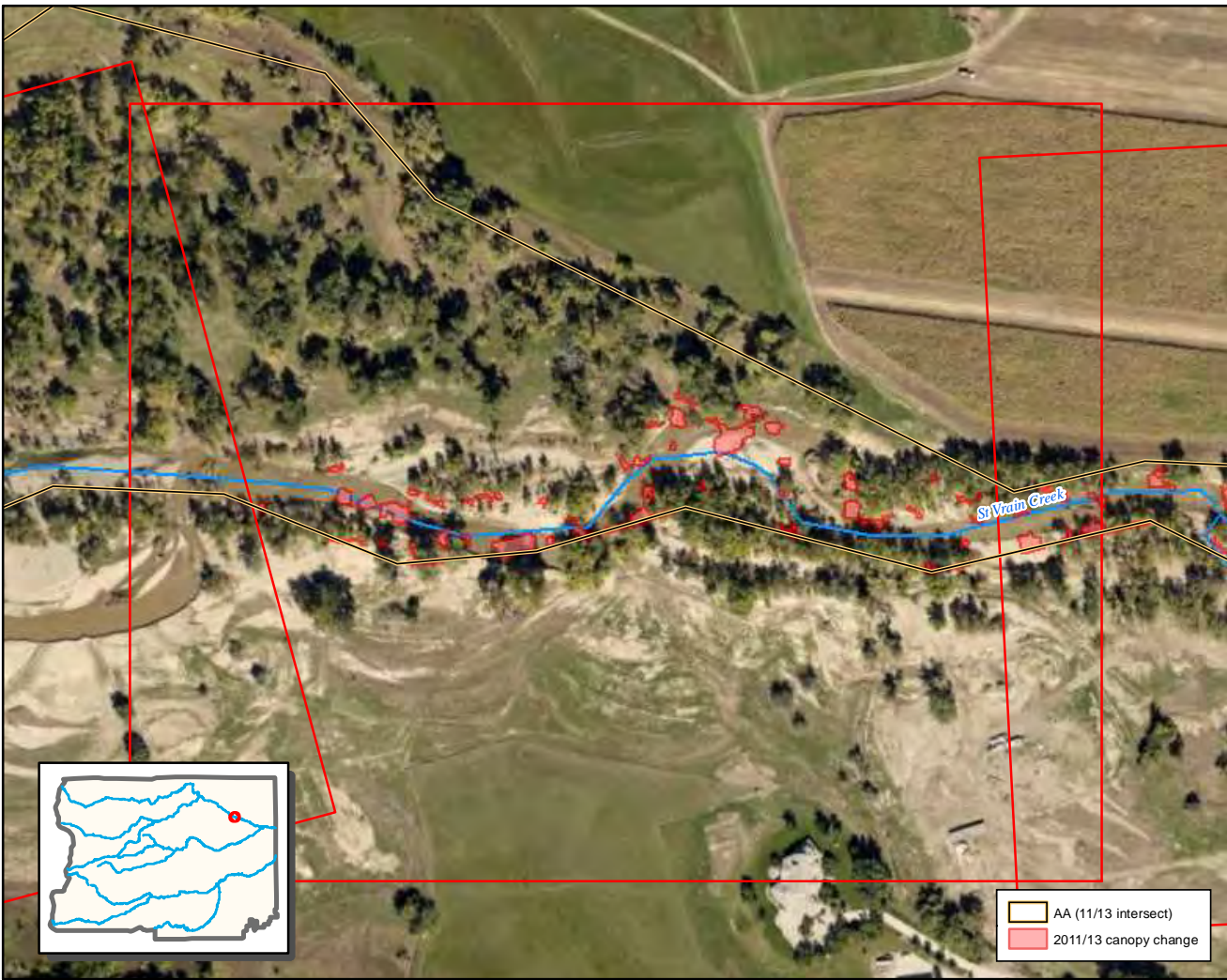
Canopy change: 2011 - 2013

Tile 89





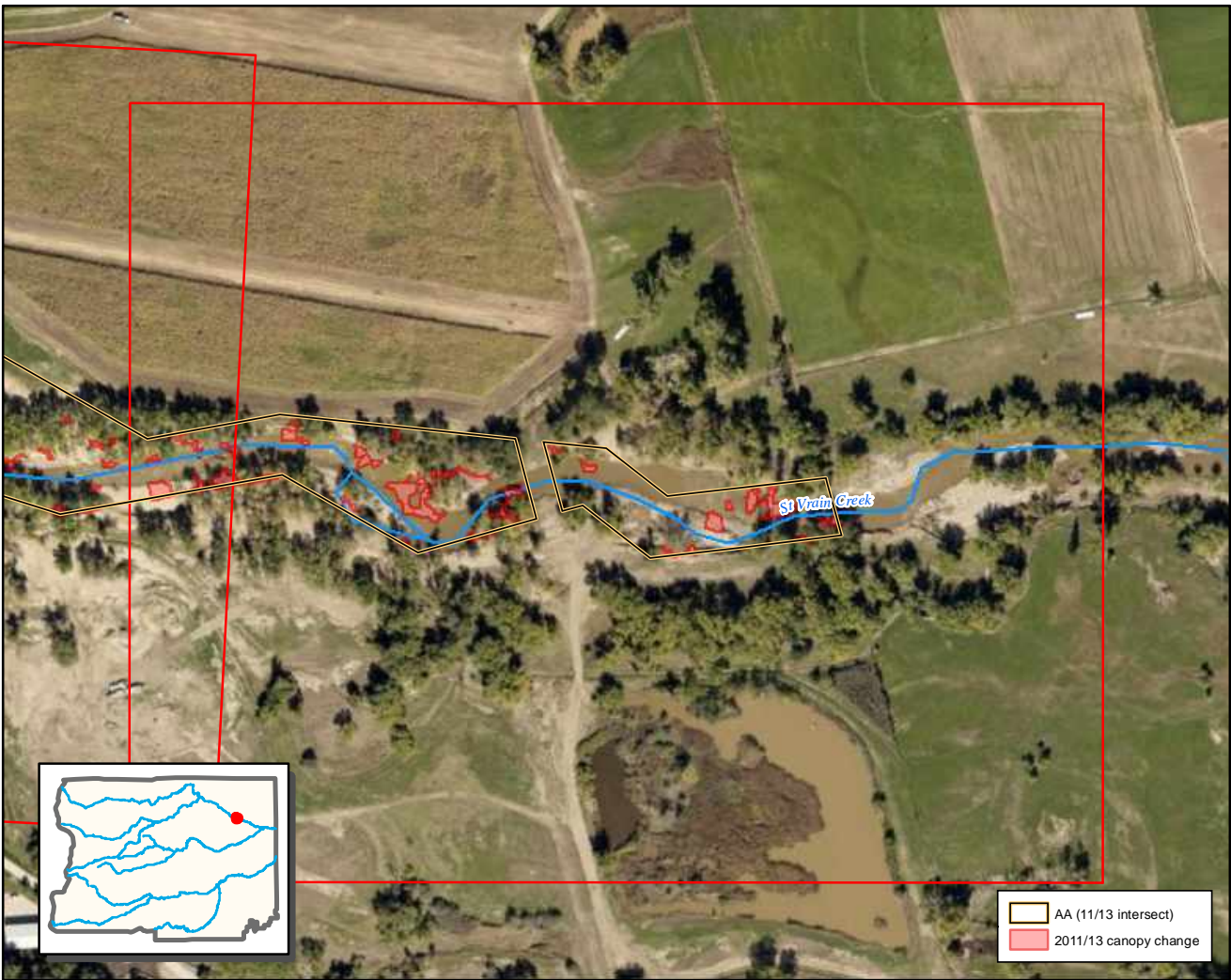
Canopy change: 2011 - 2013

Tile 90



Canopy change: 2011 - 2013

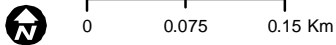
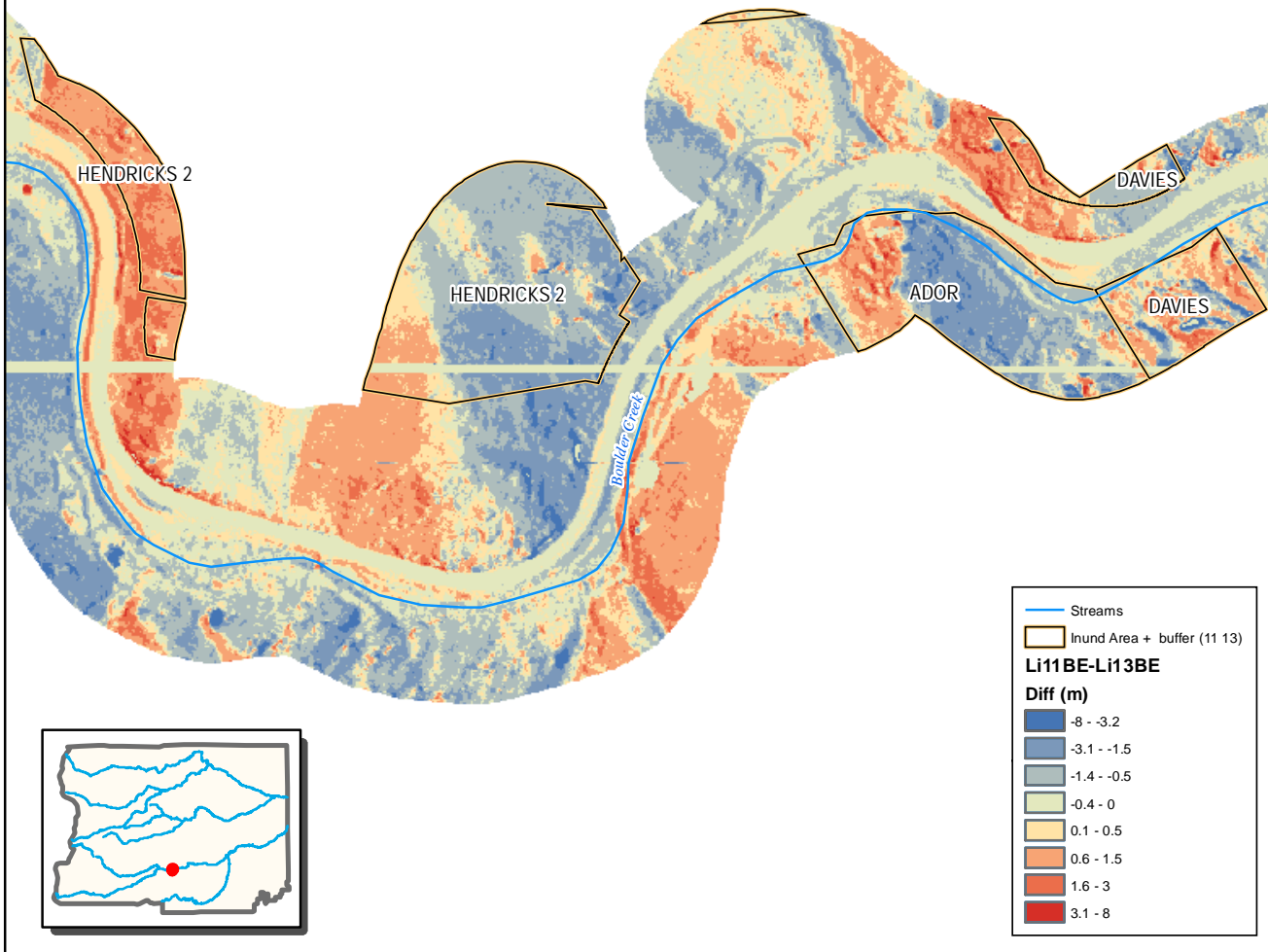
	AA (11/13 intersect)
	2011/13 canopy change



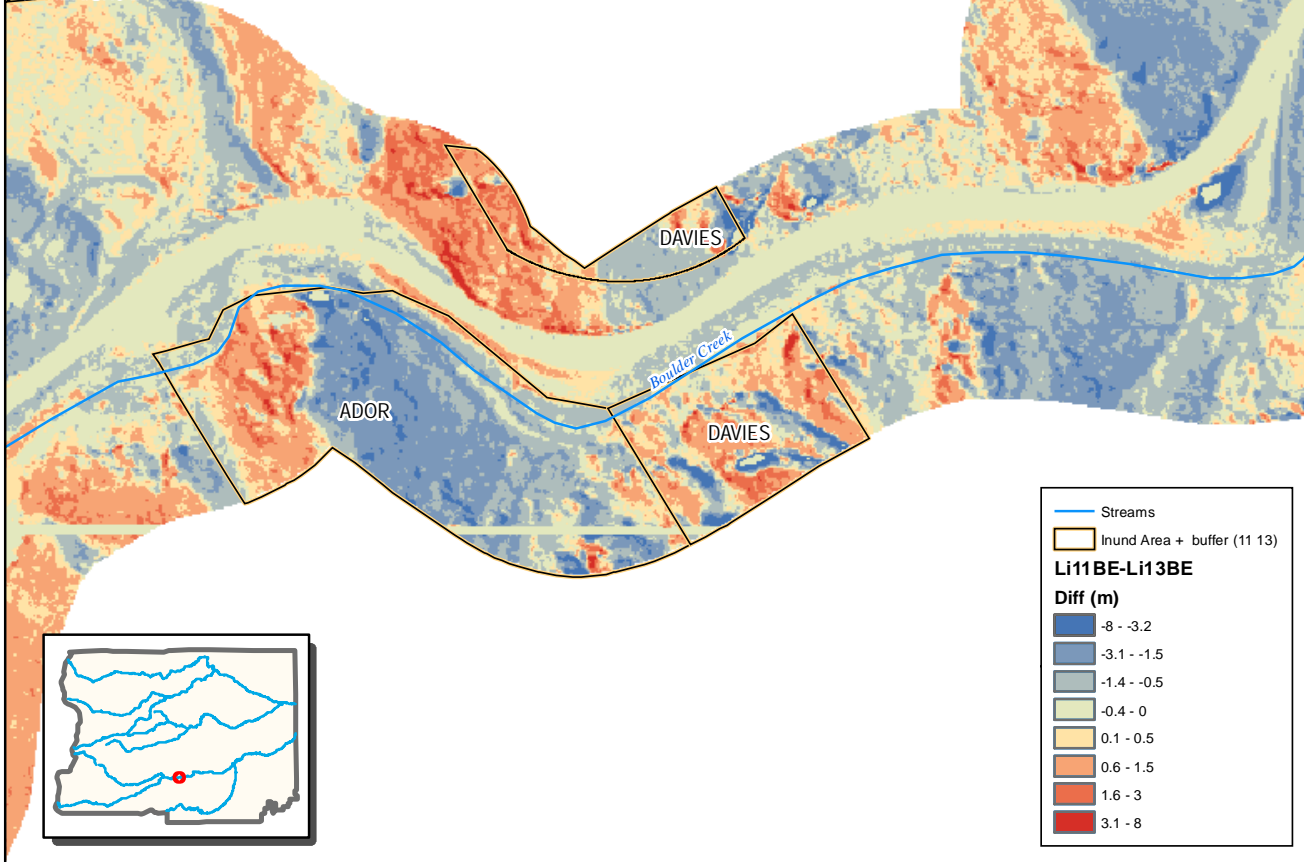
0 0.05 0.1 Km

Canopy change: 2011 - 2013

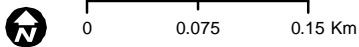
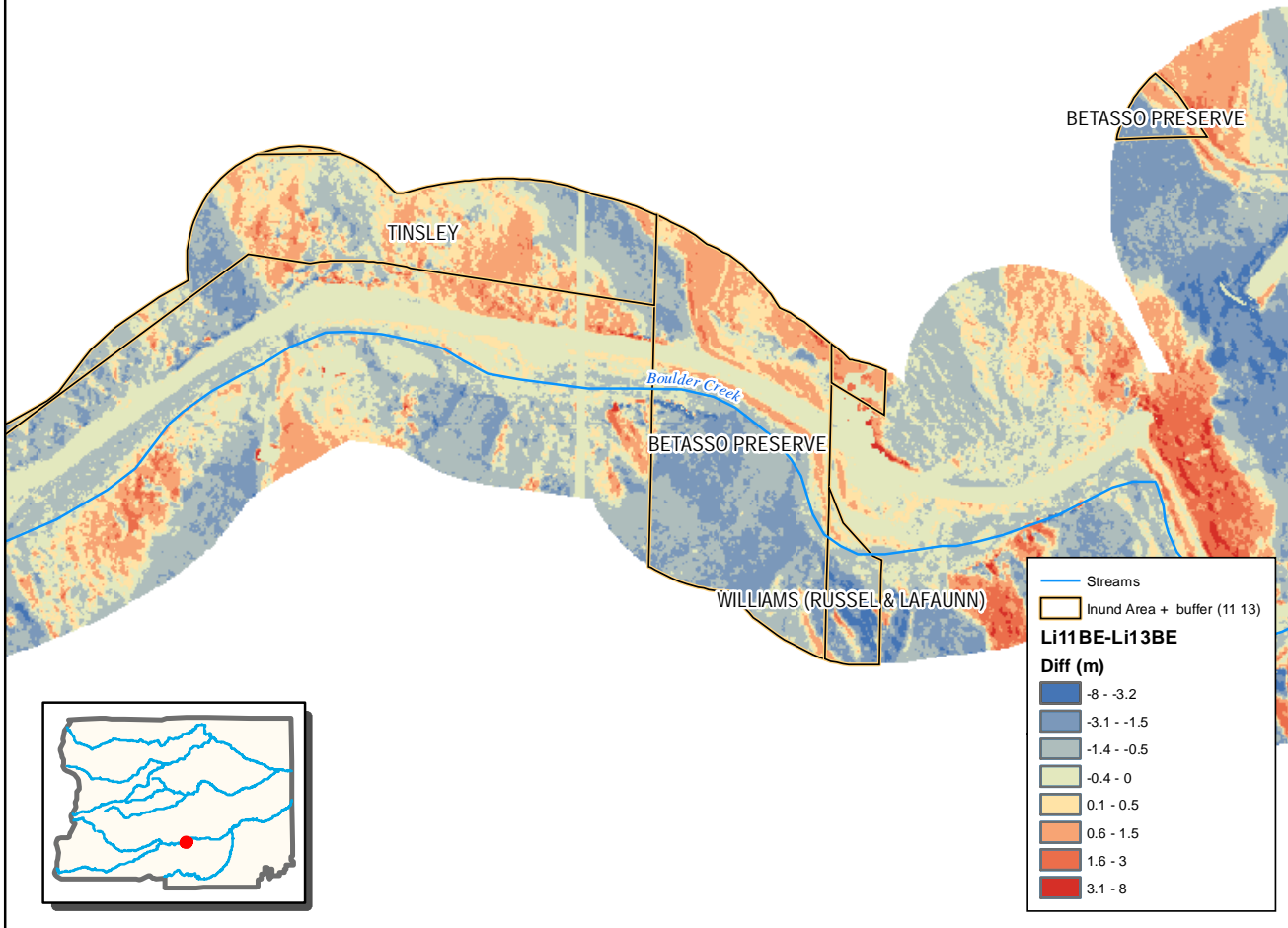
Tile 92

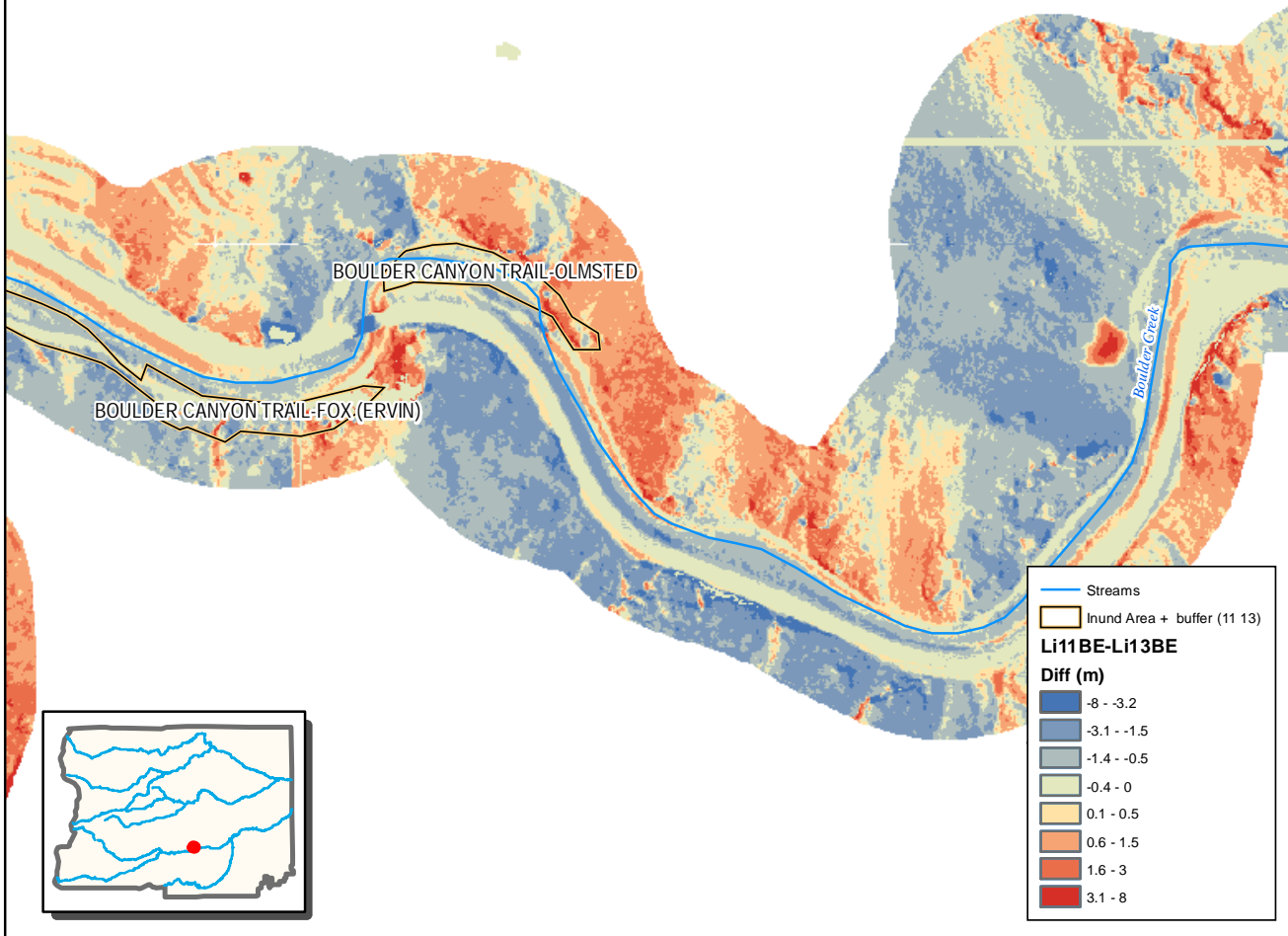


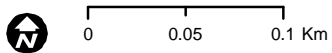
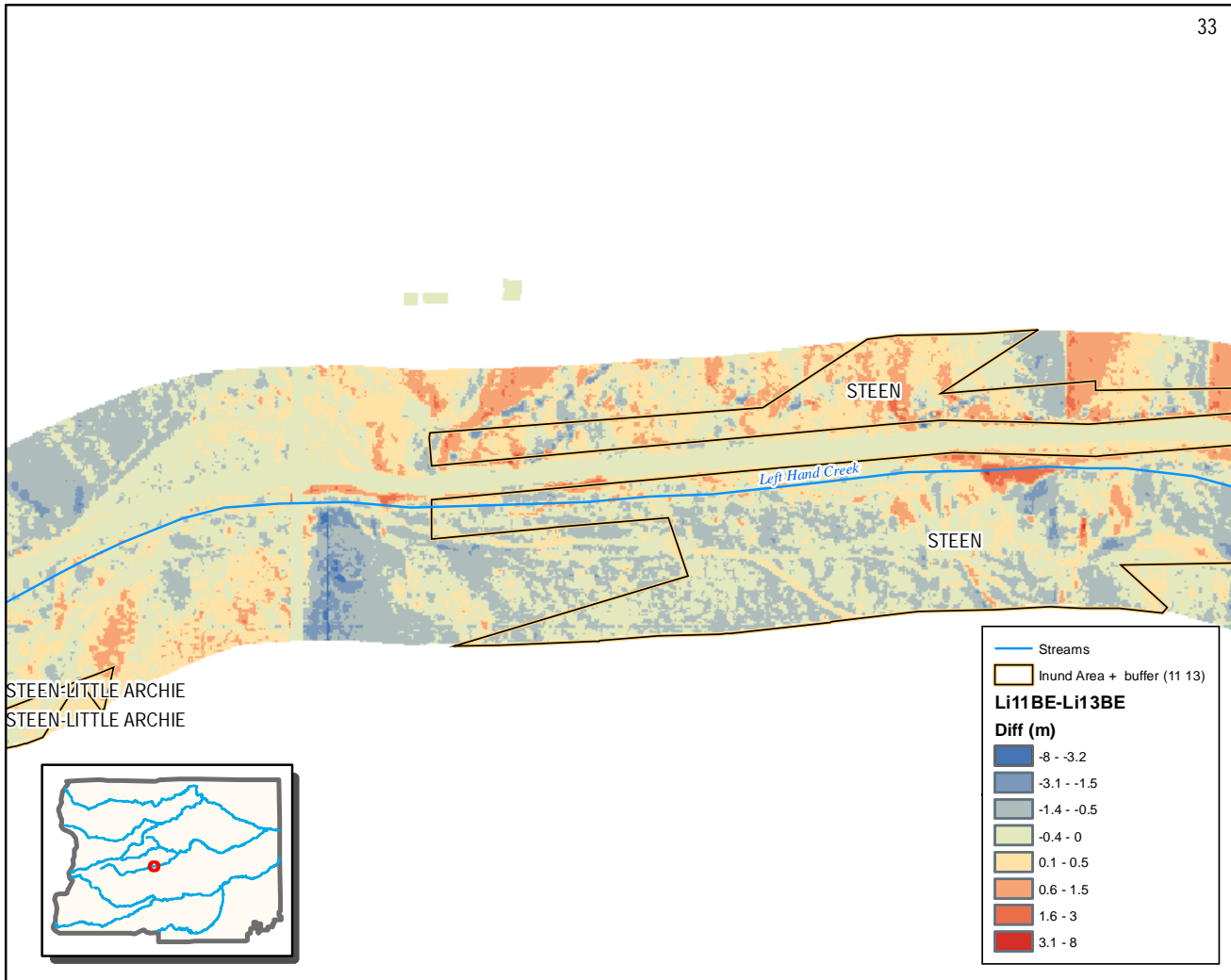
HENDRICKS-2

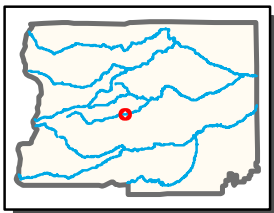
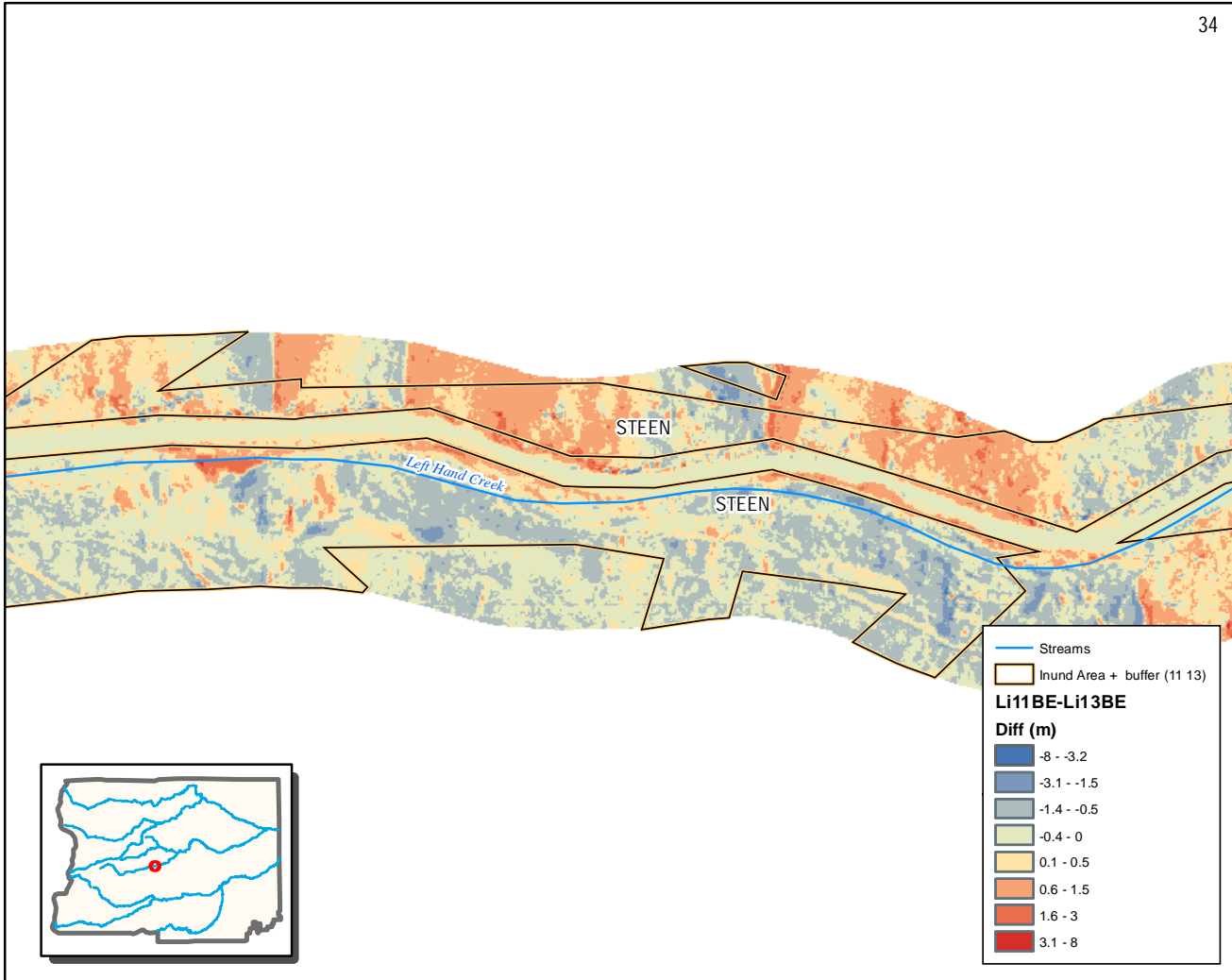


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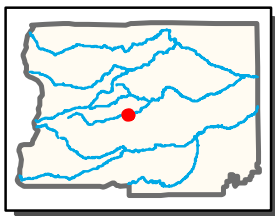
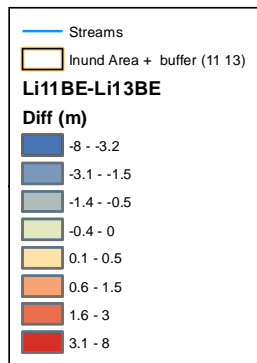
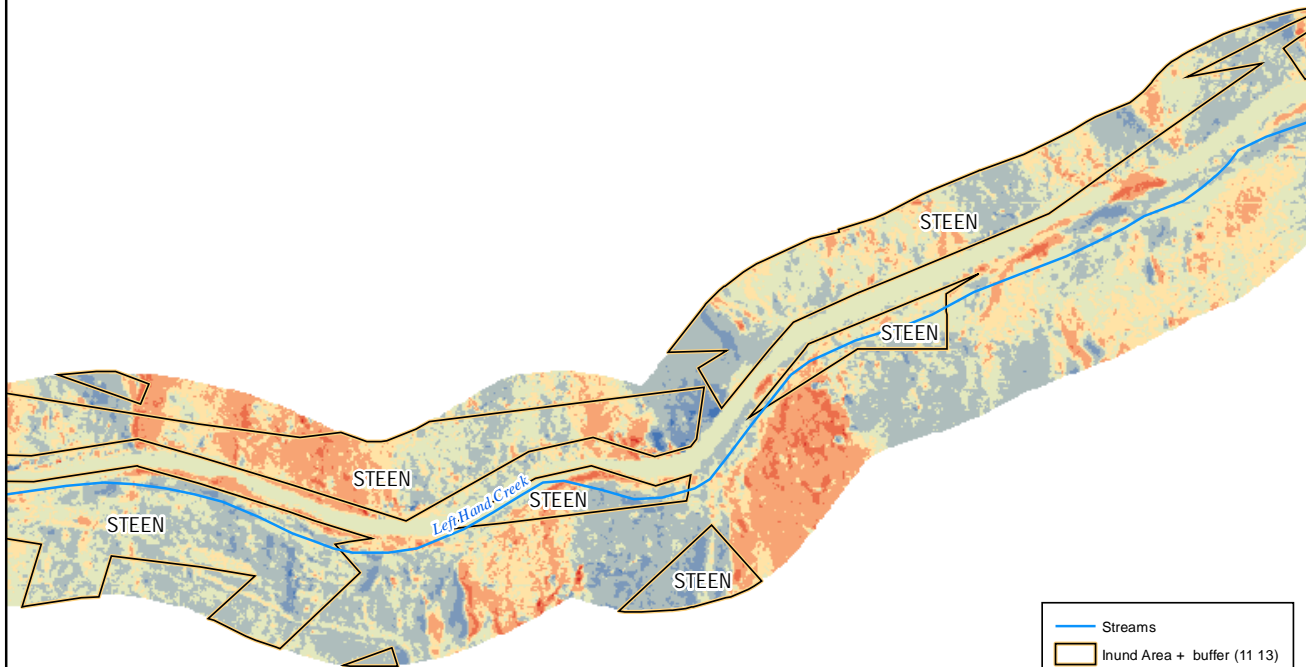




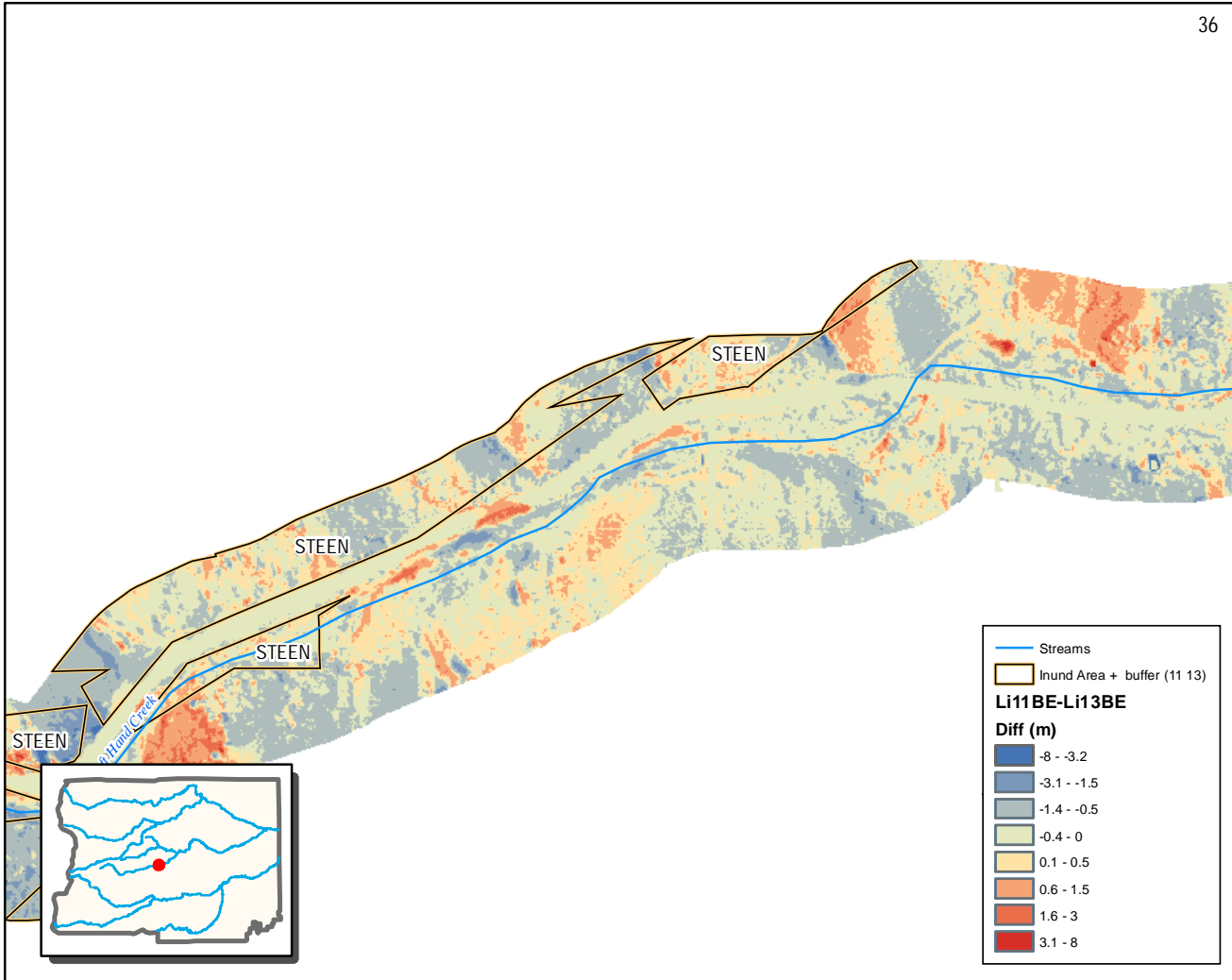




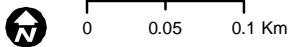
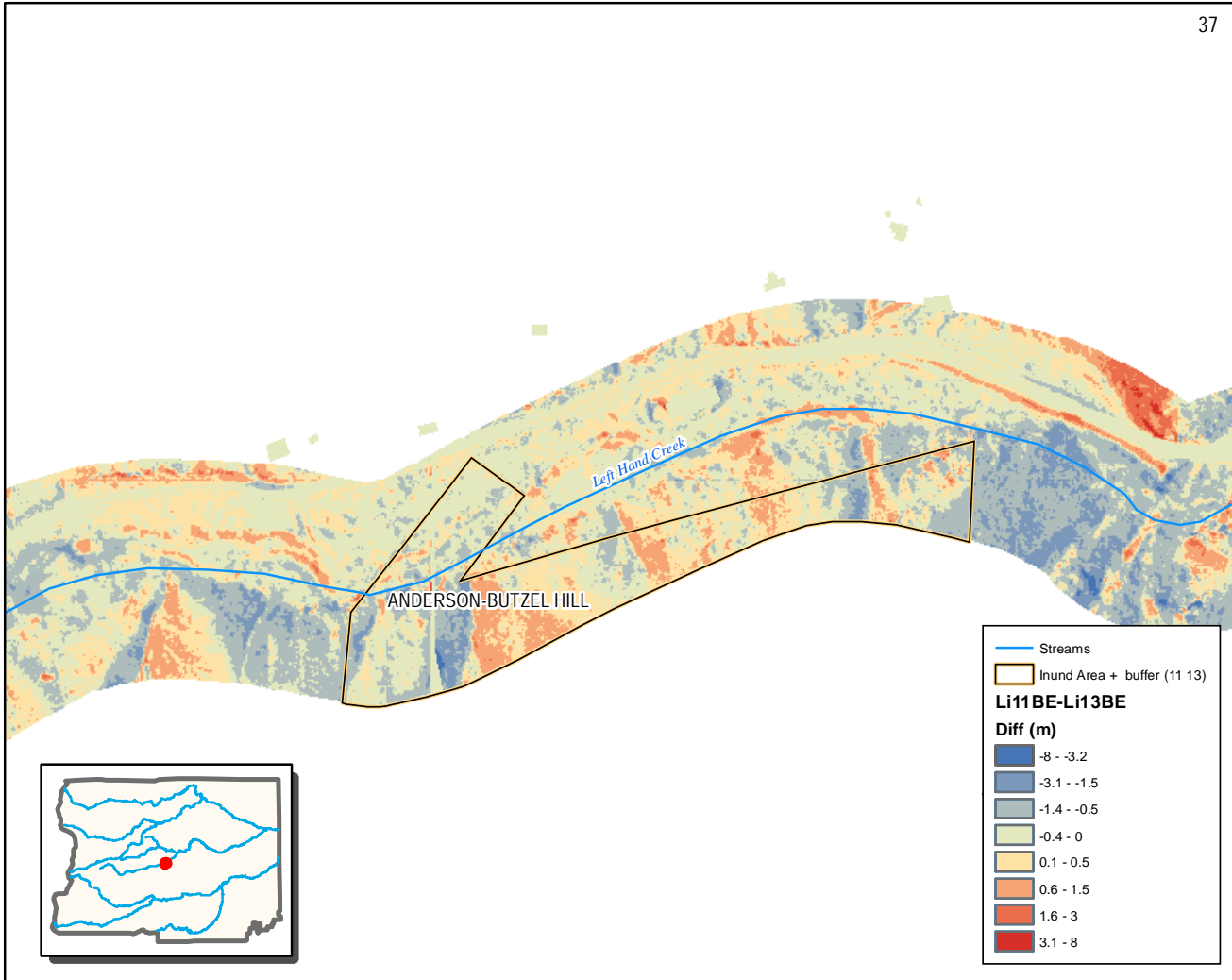
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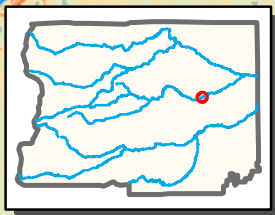
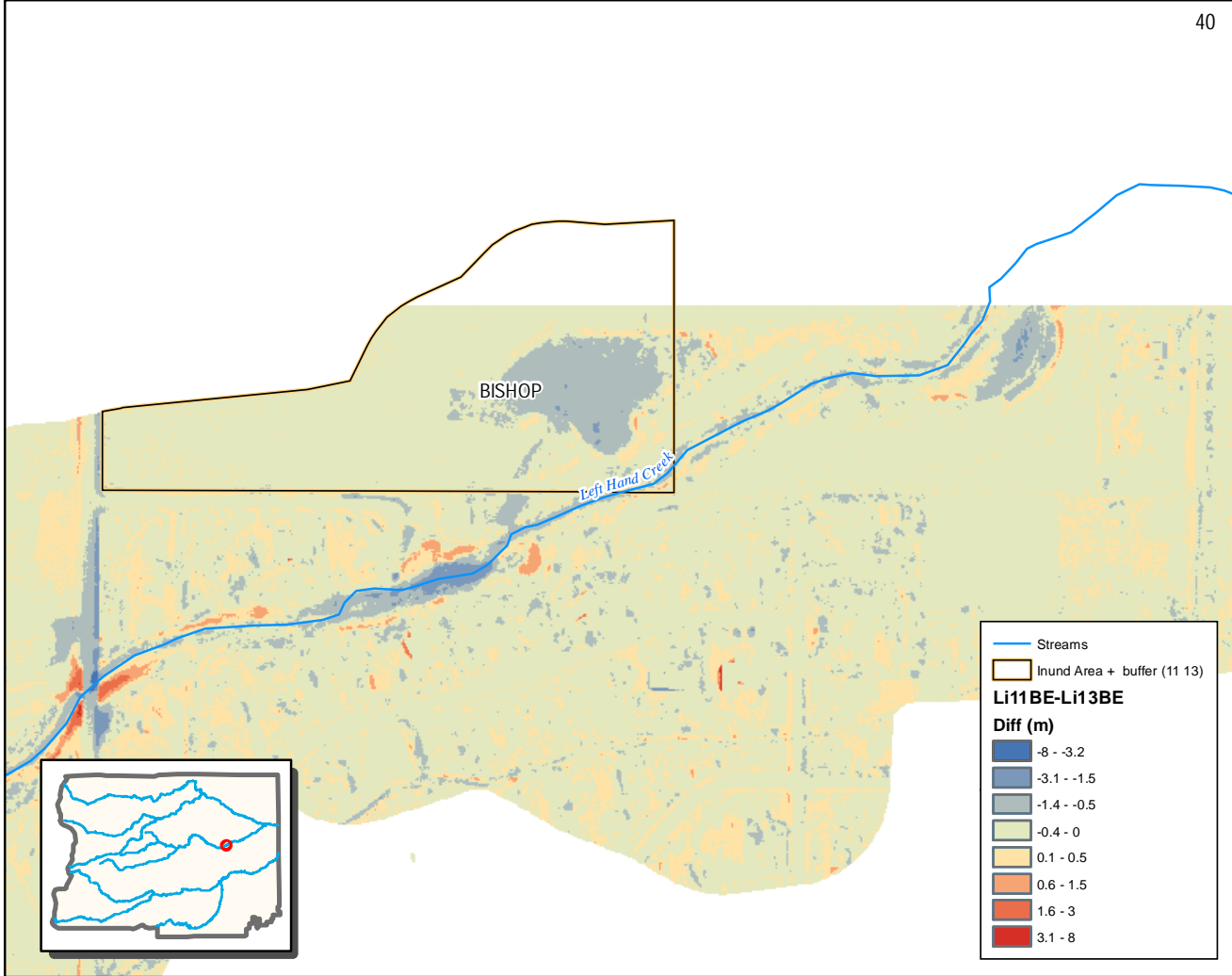


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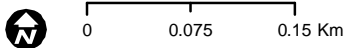
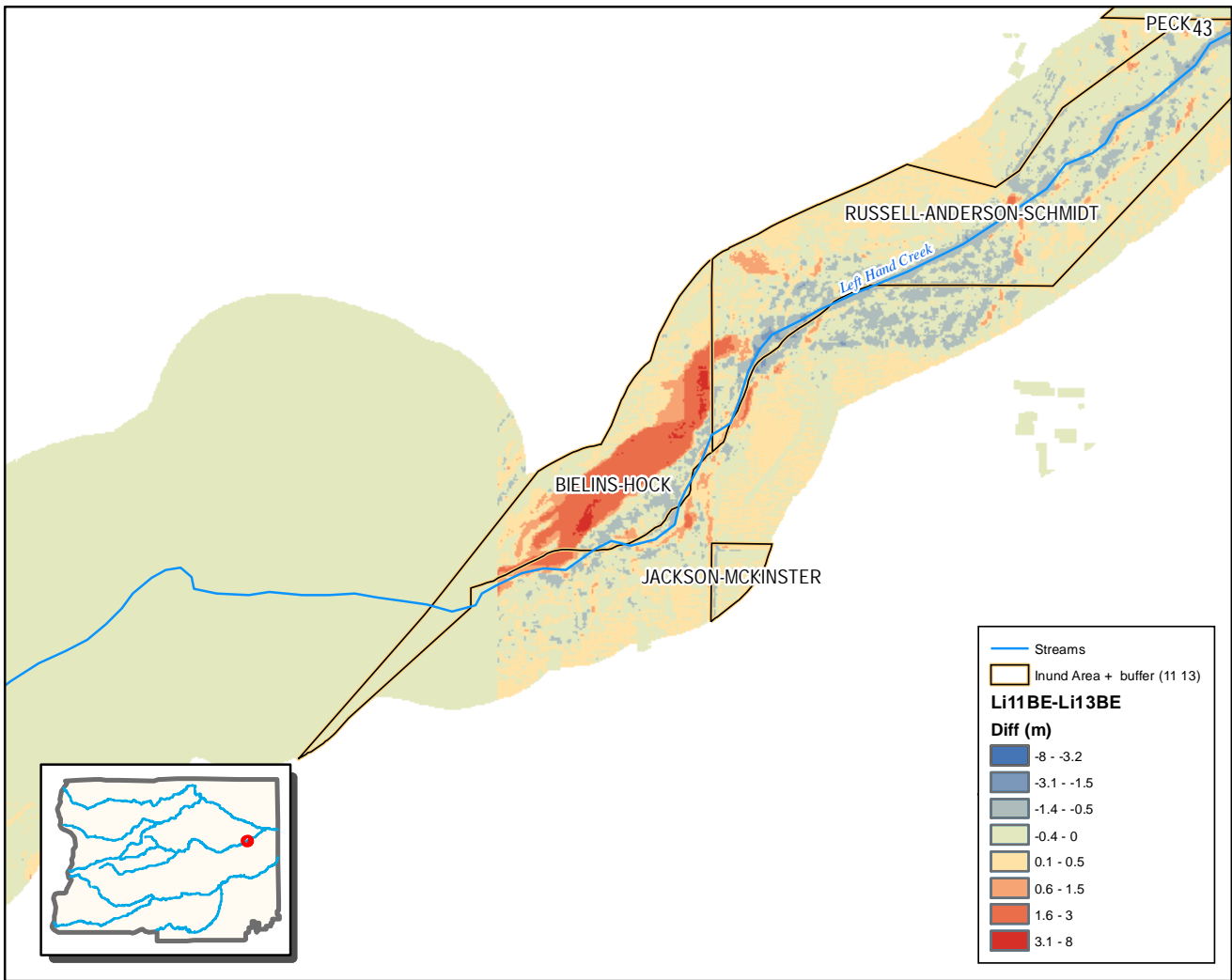


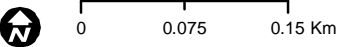
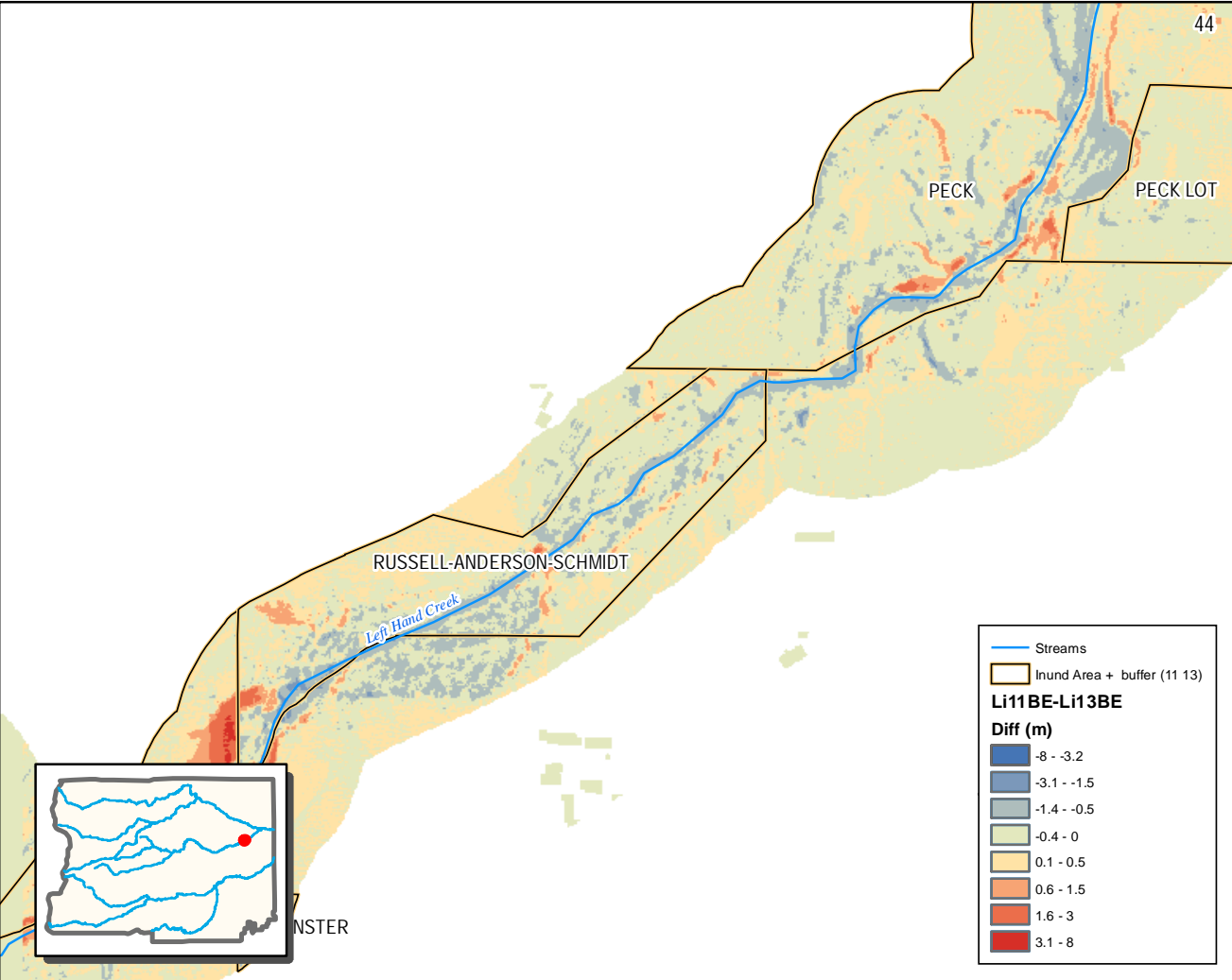
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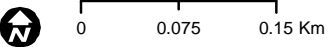
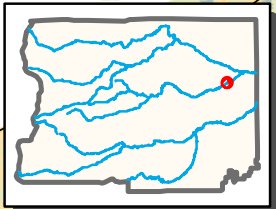
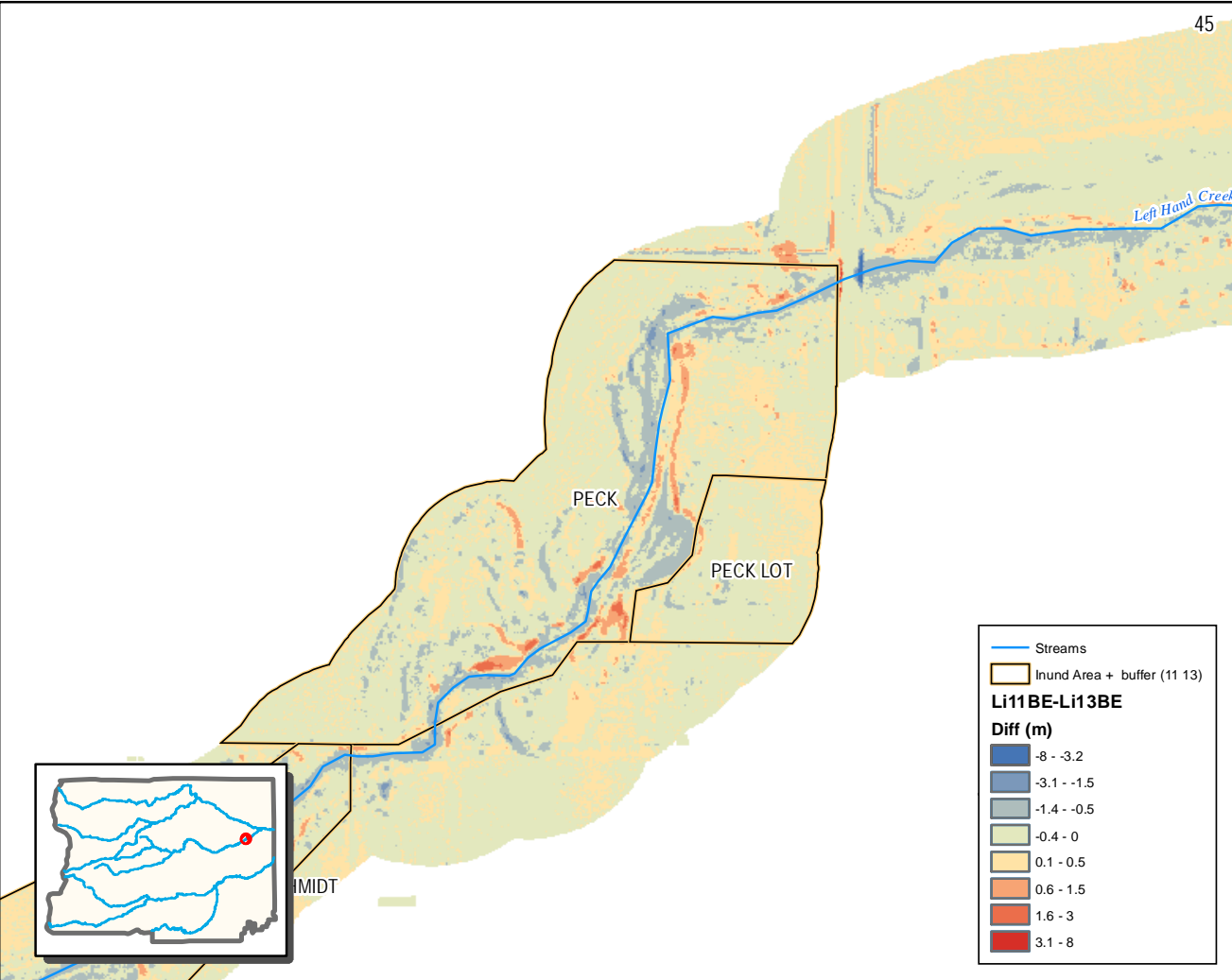


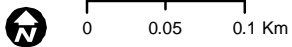
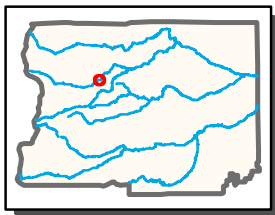
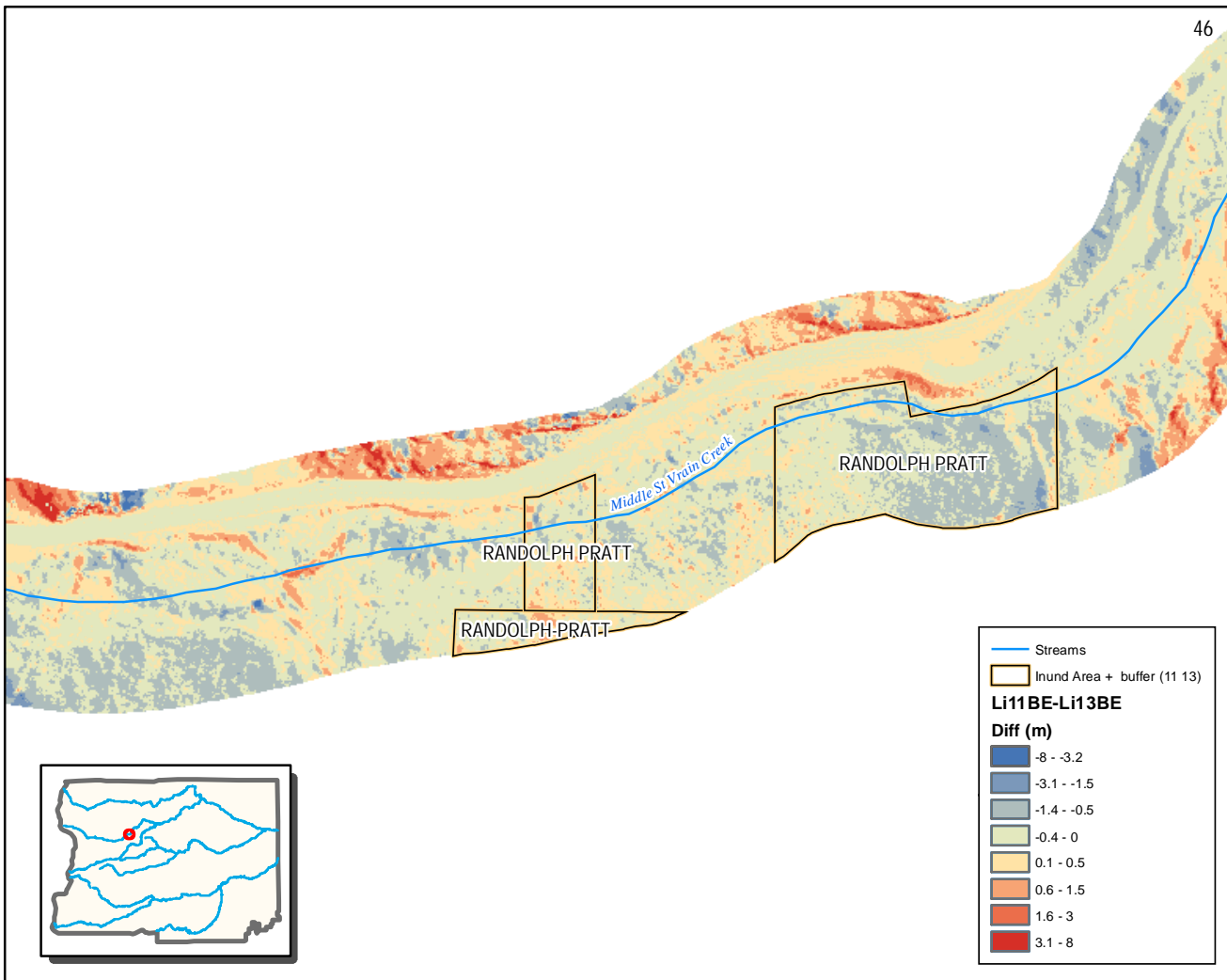


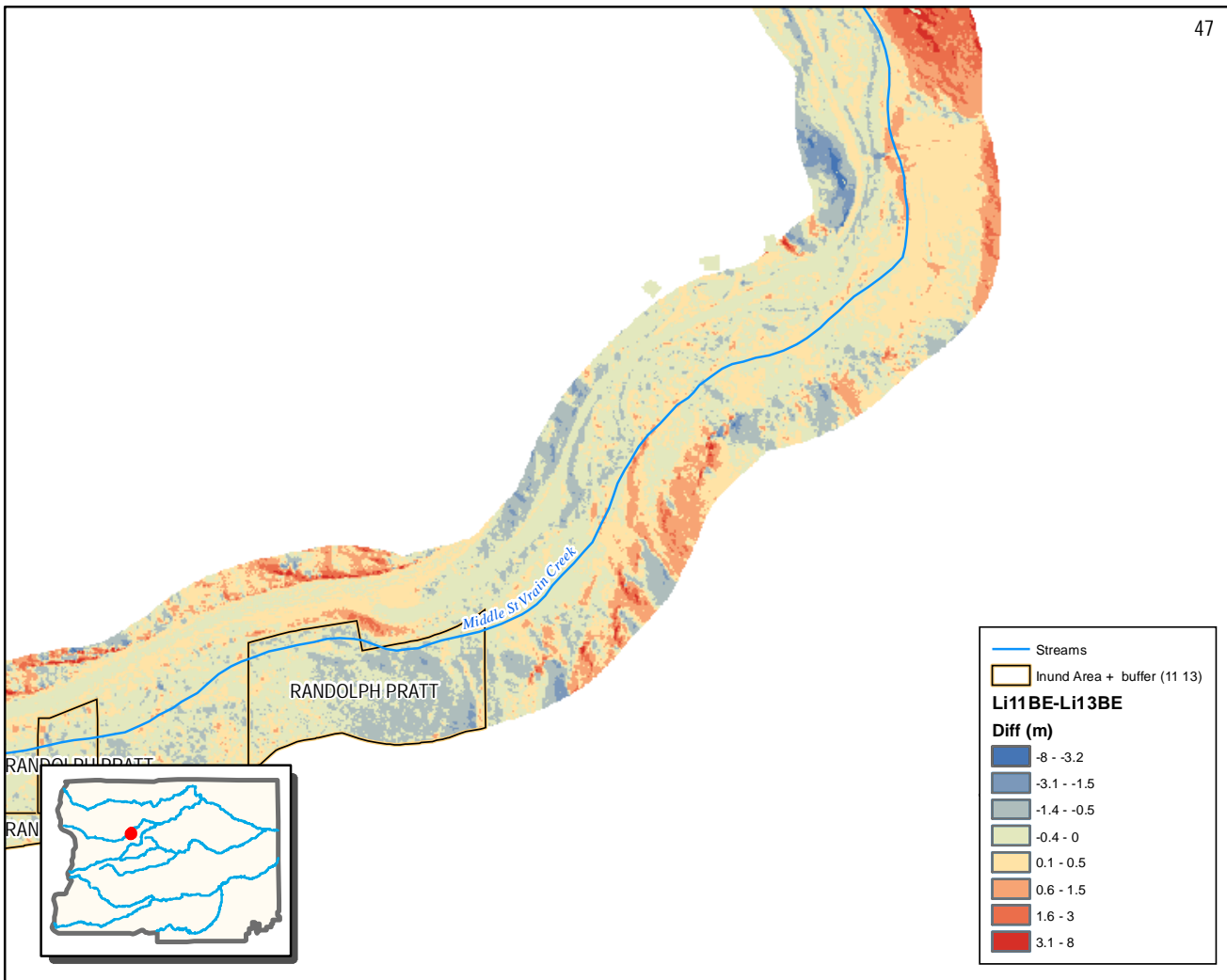
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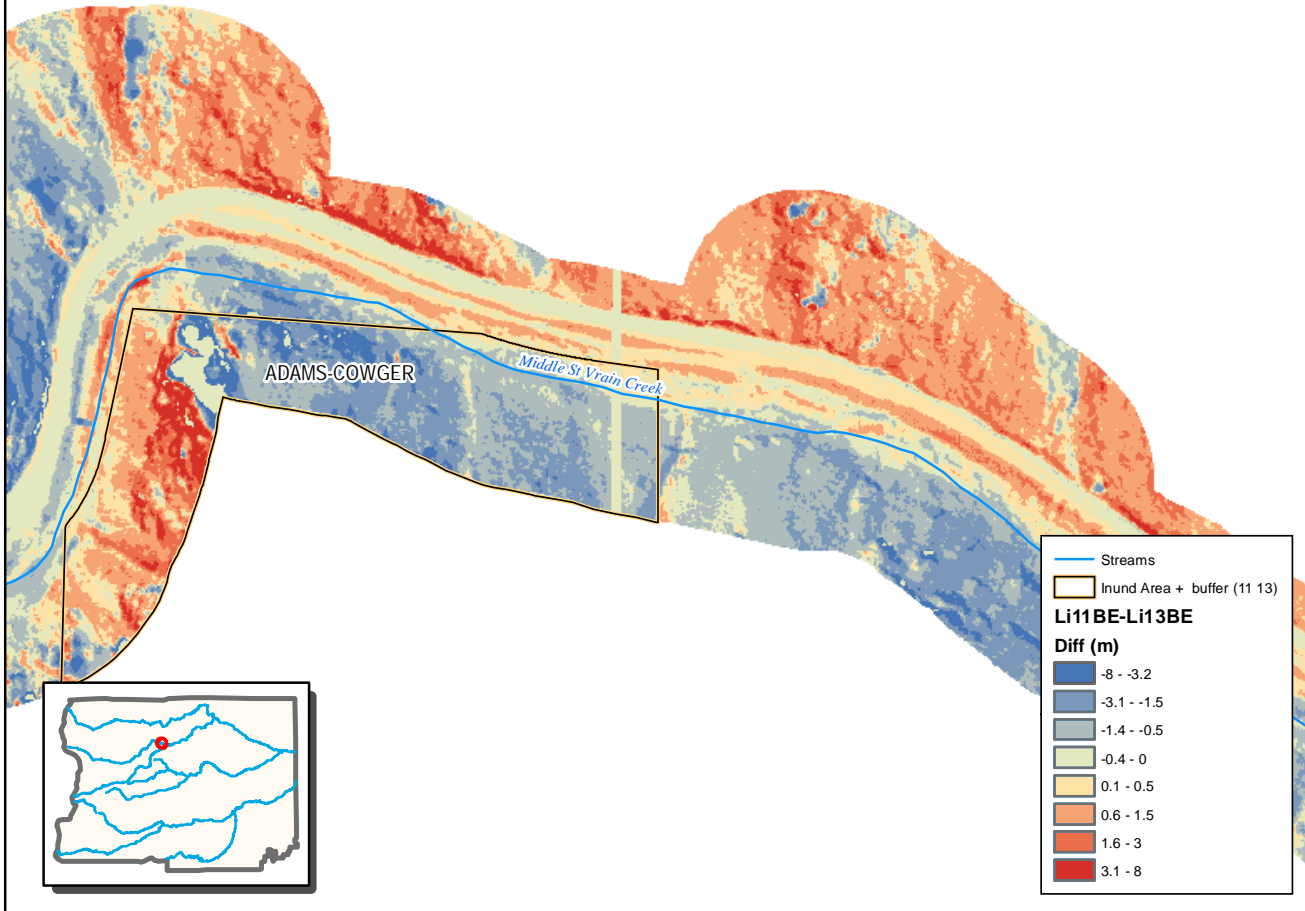


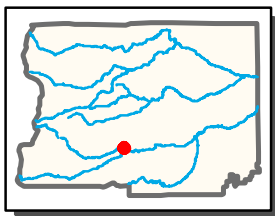
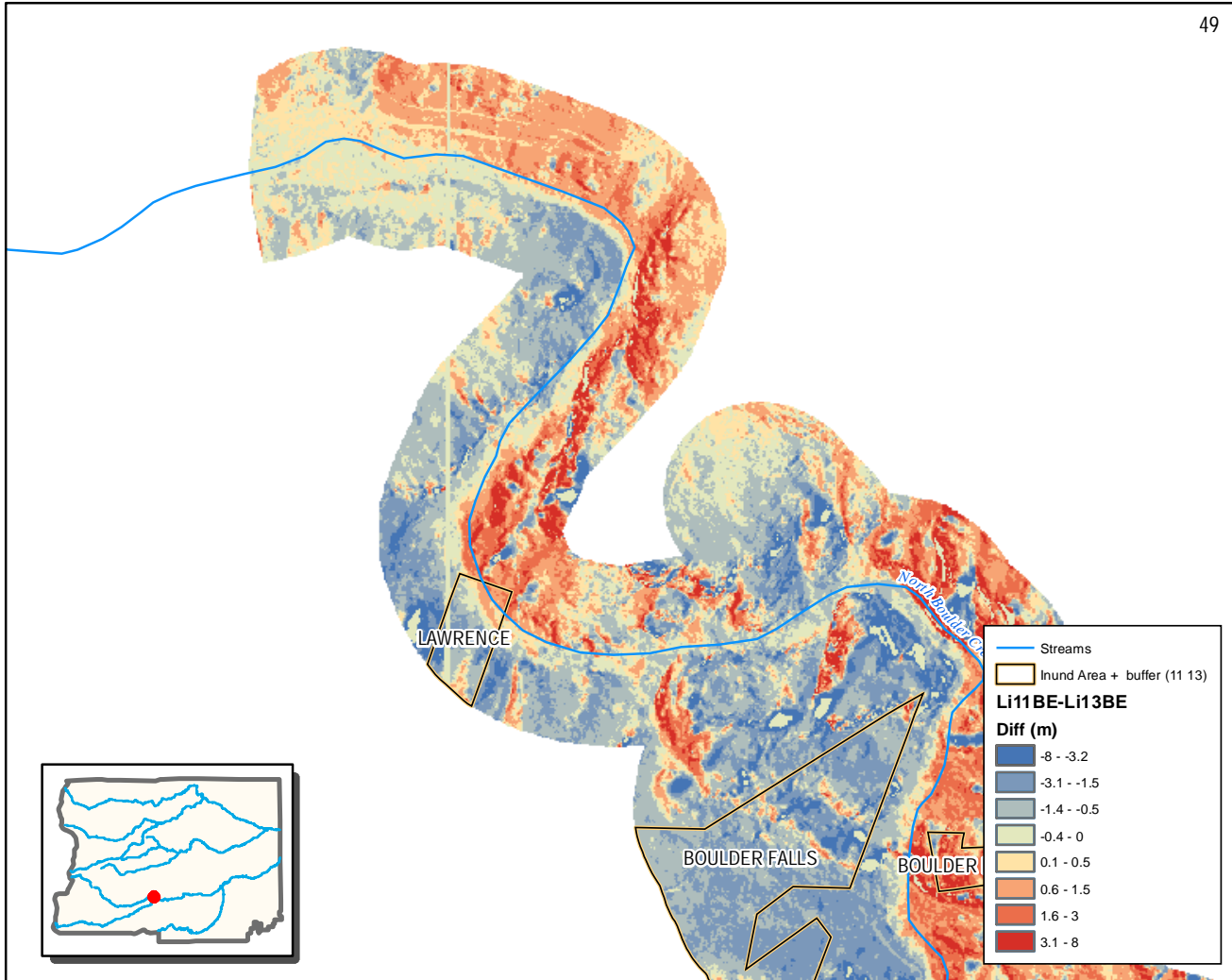




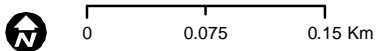
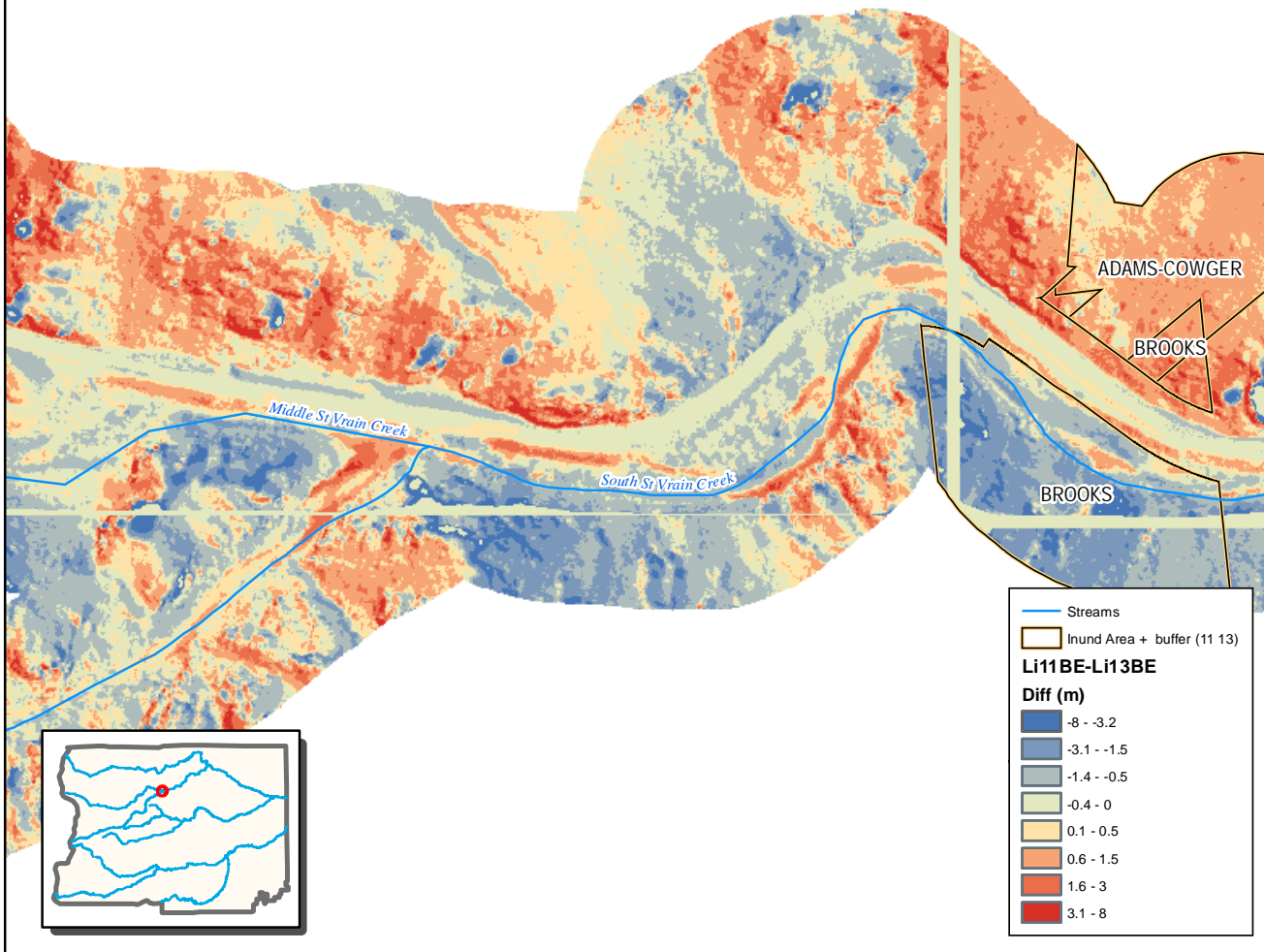


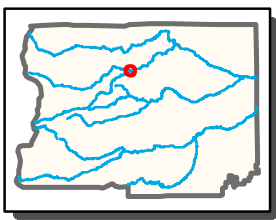
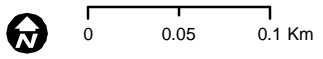
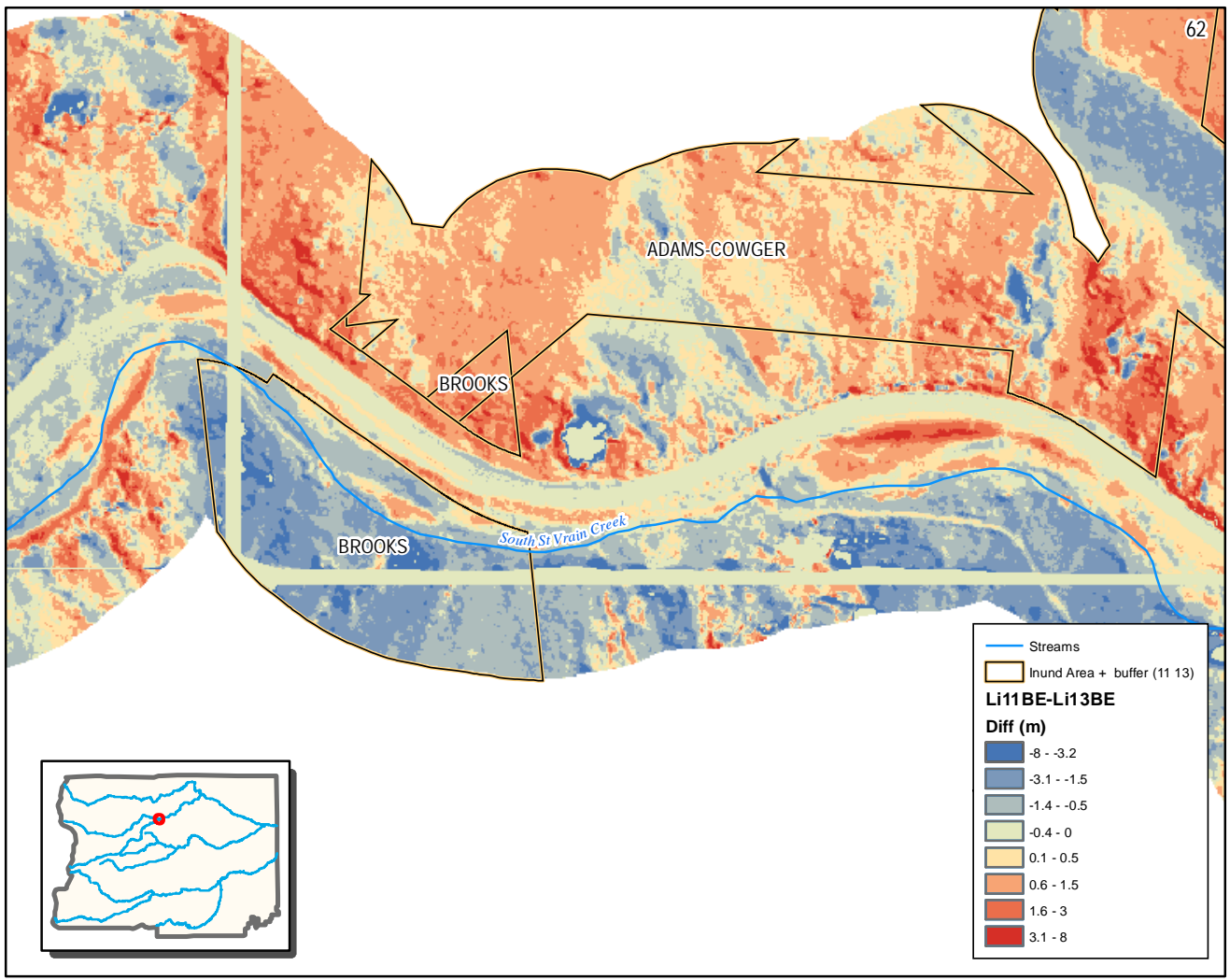


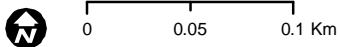
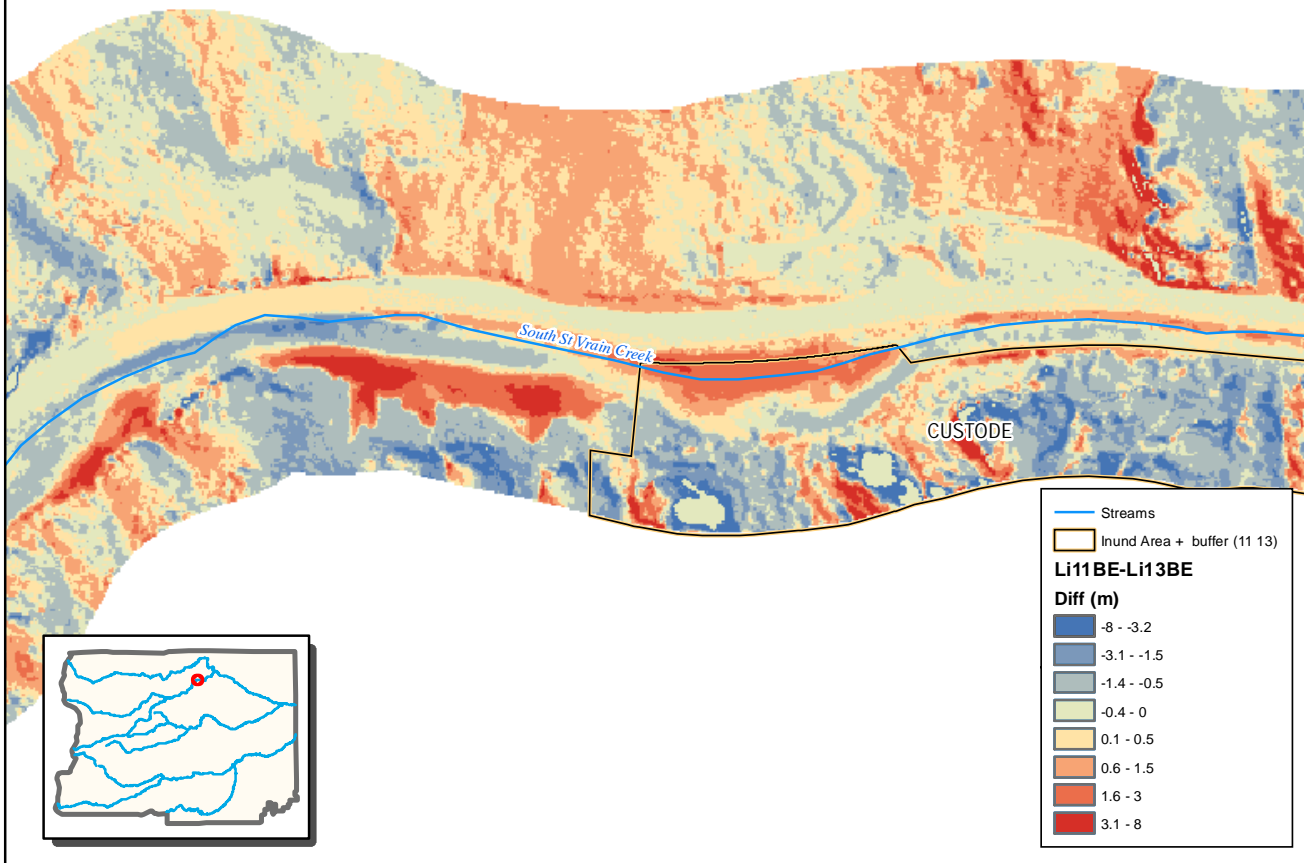


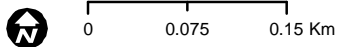
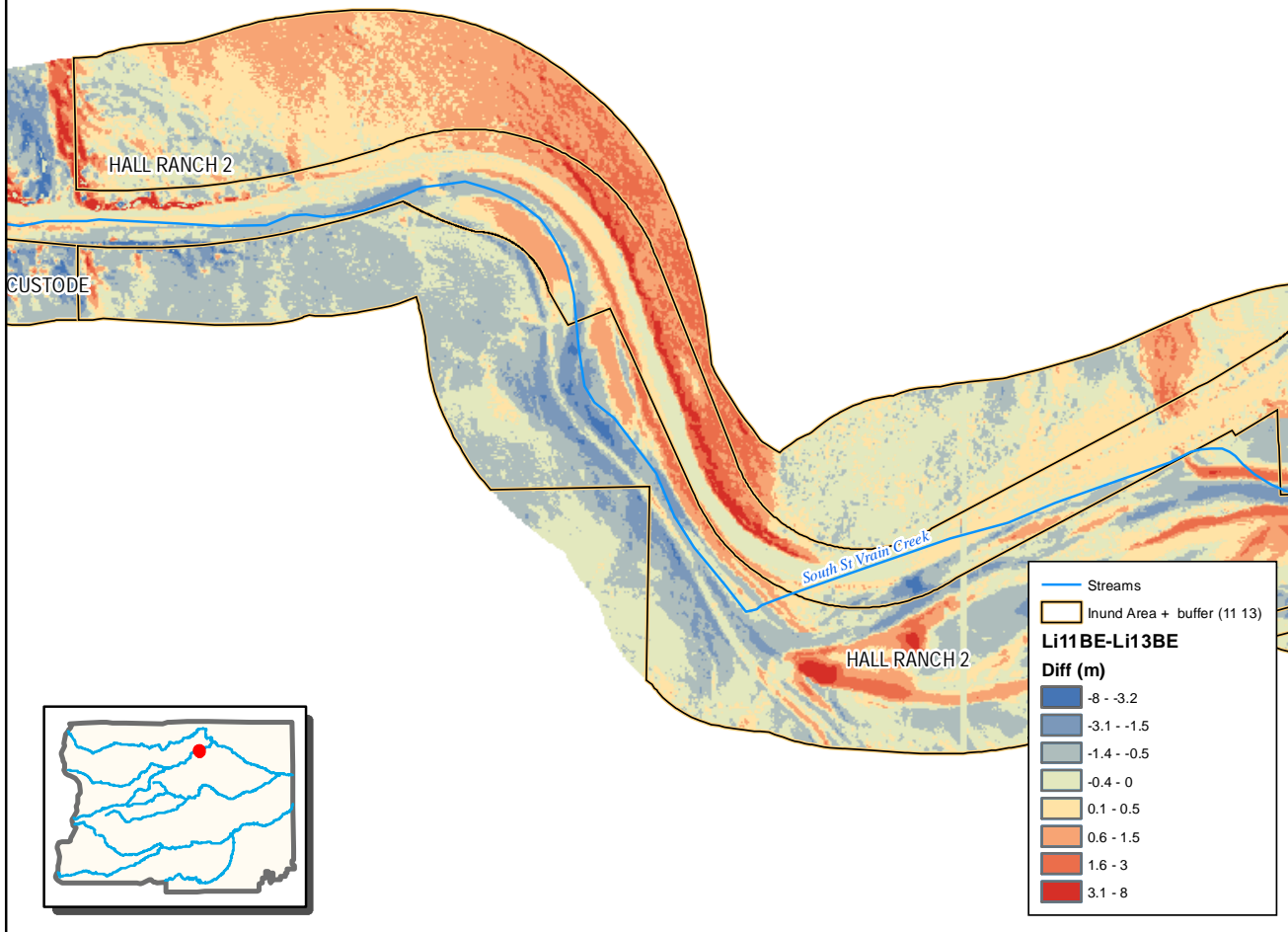


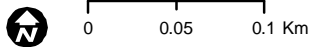
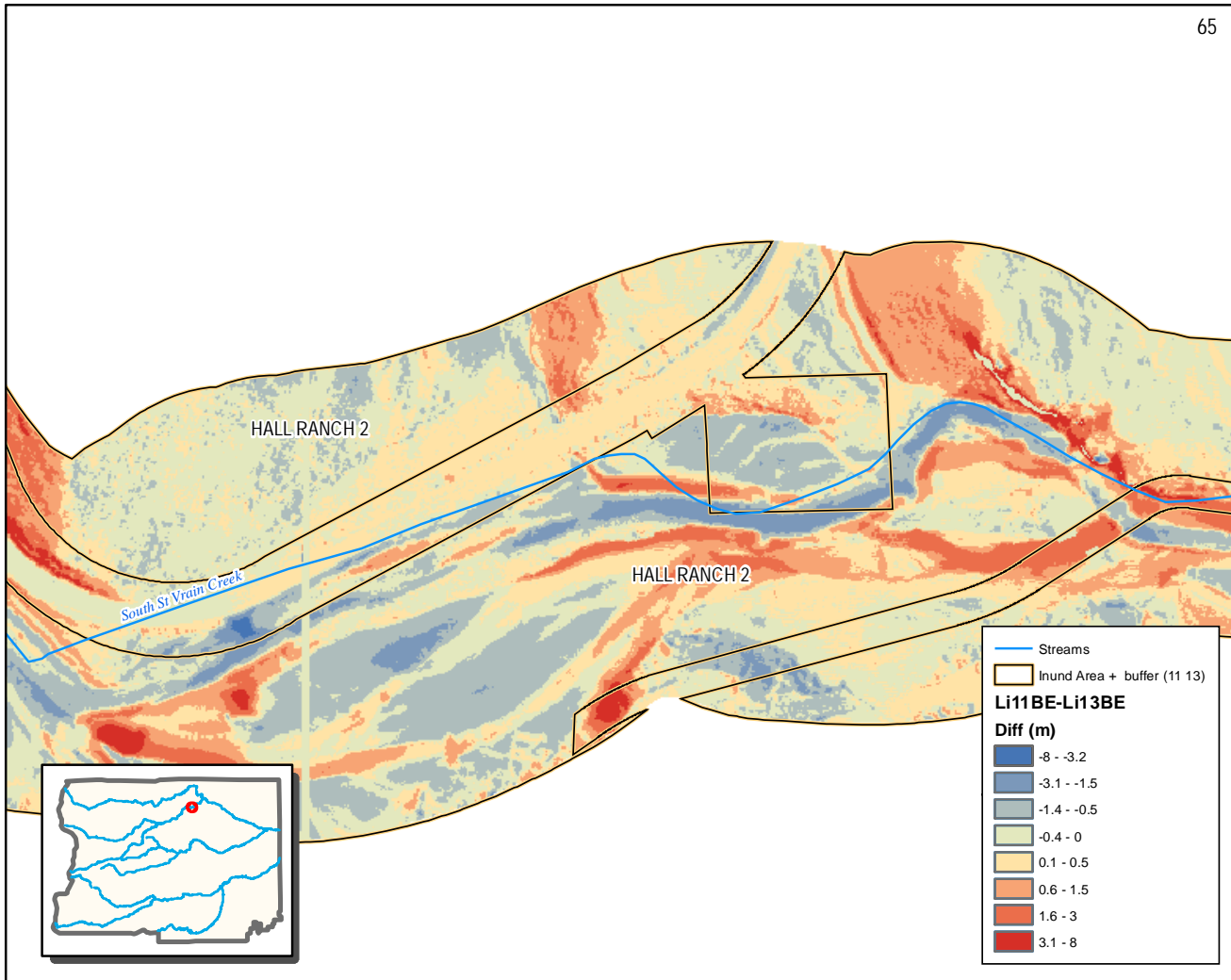
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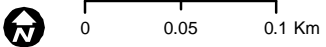
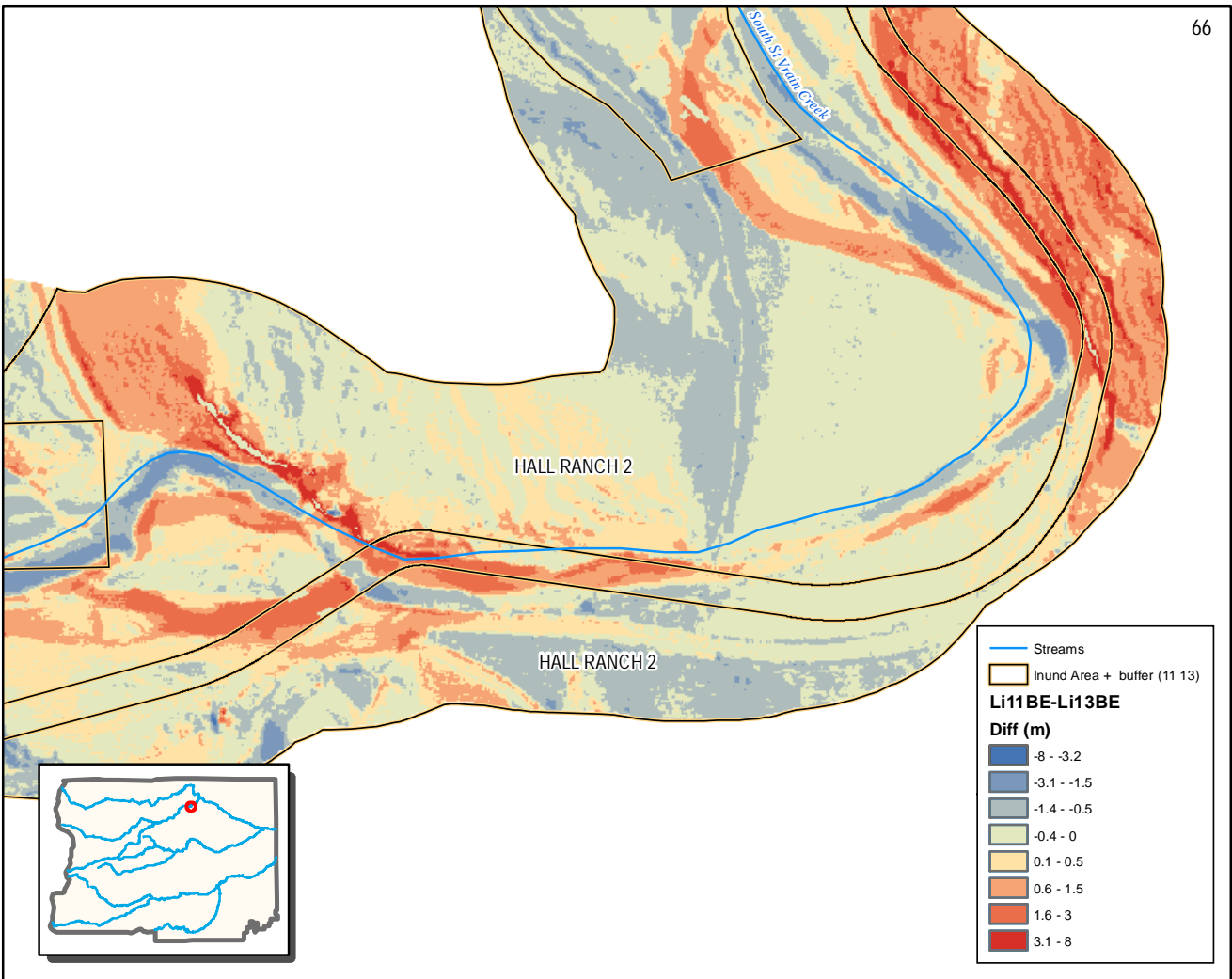


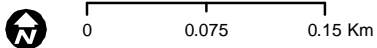
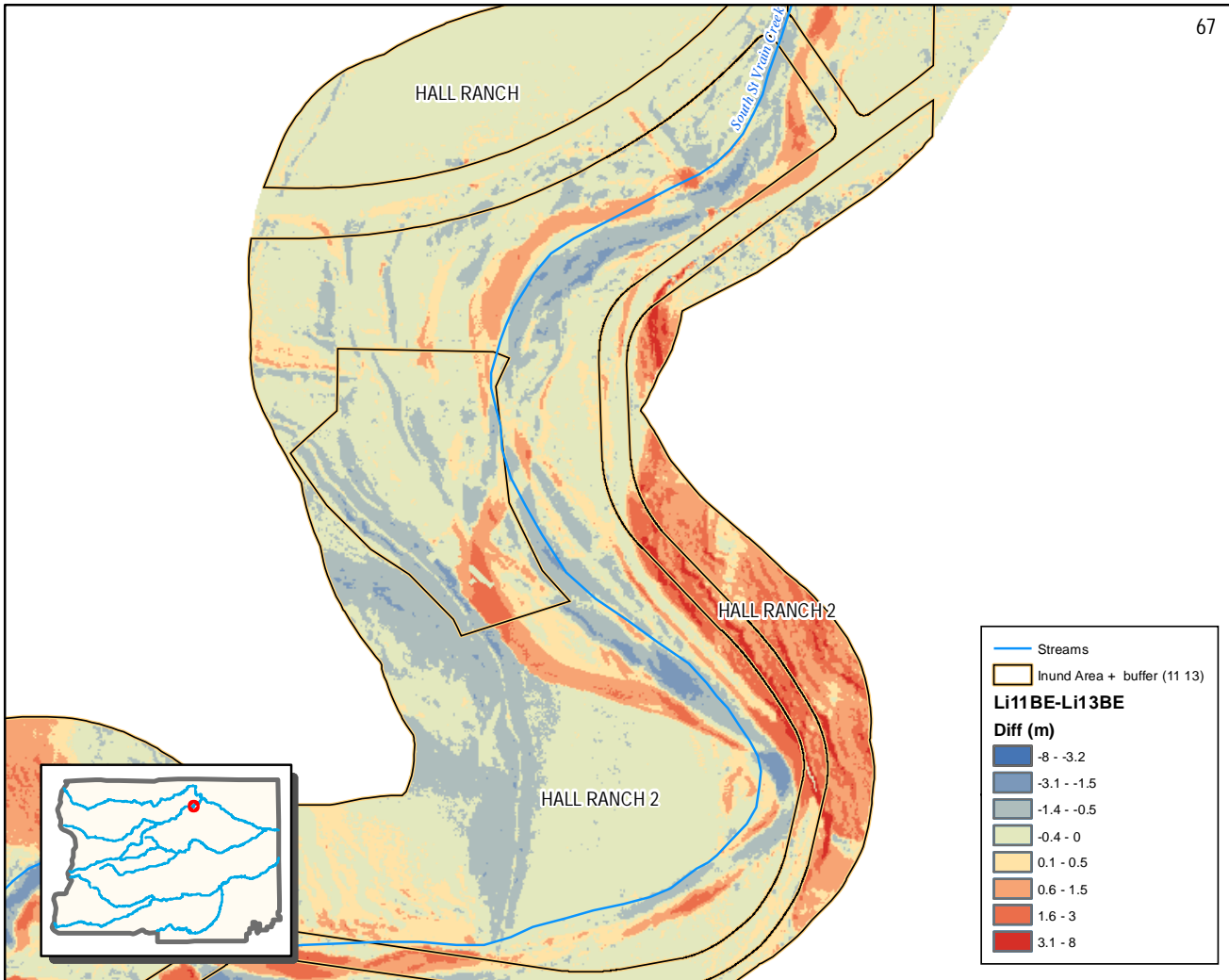


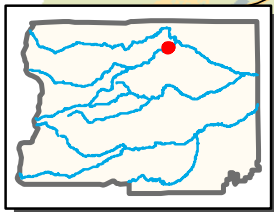
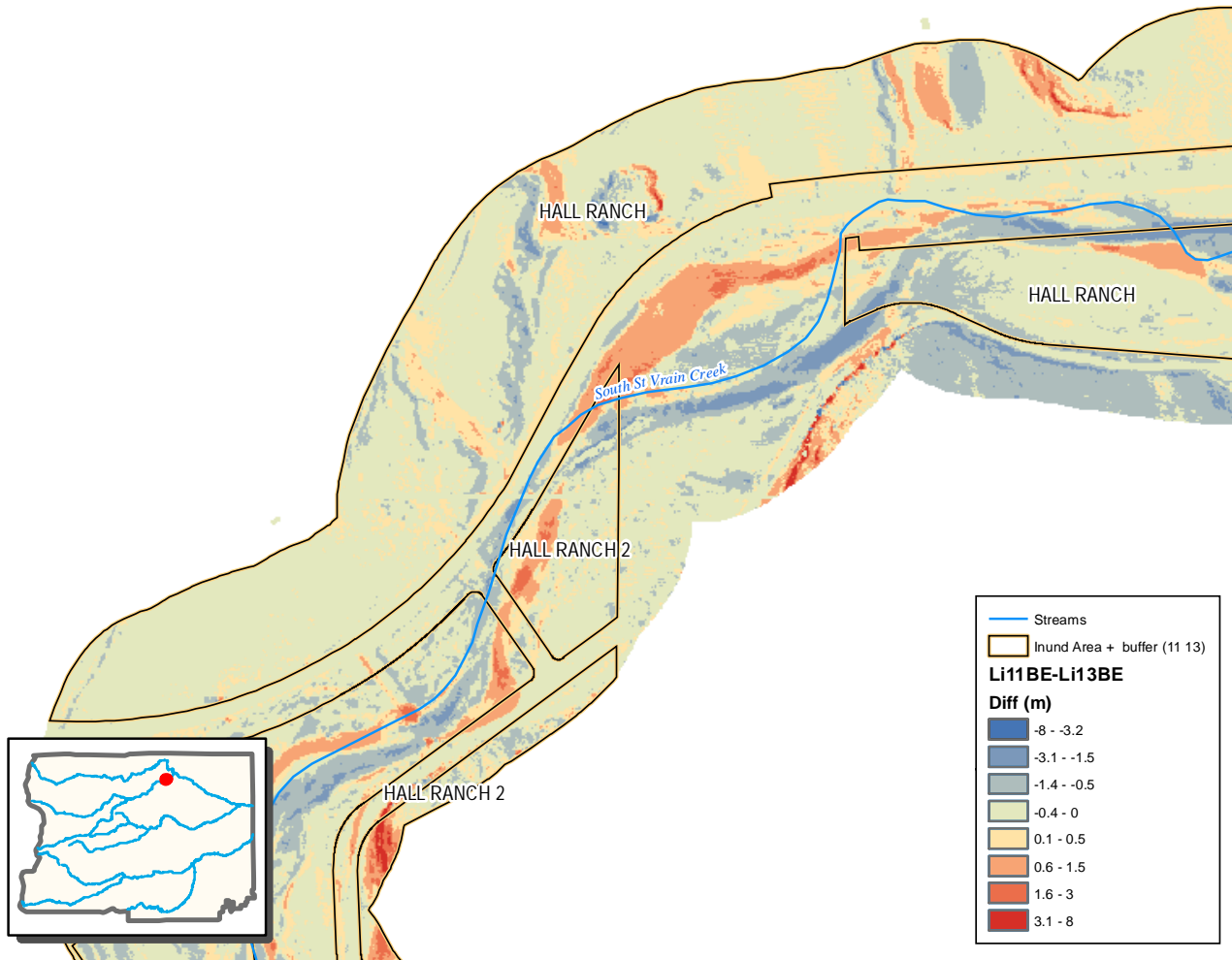




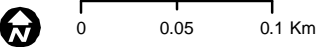
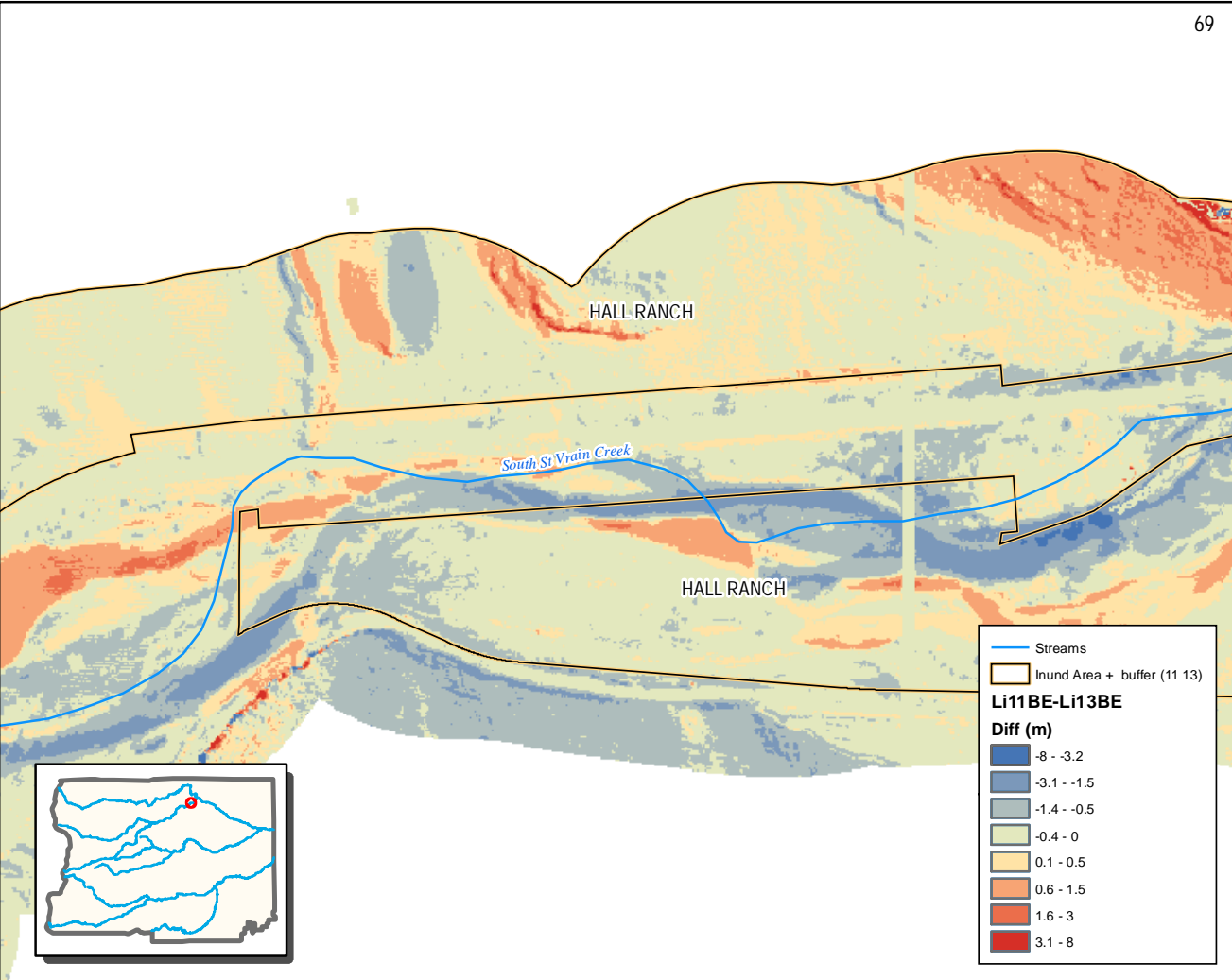


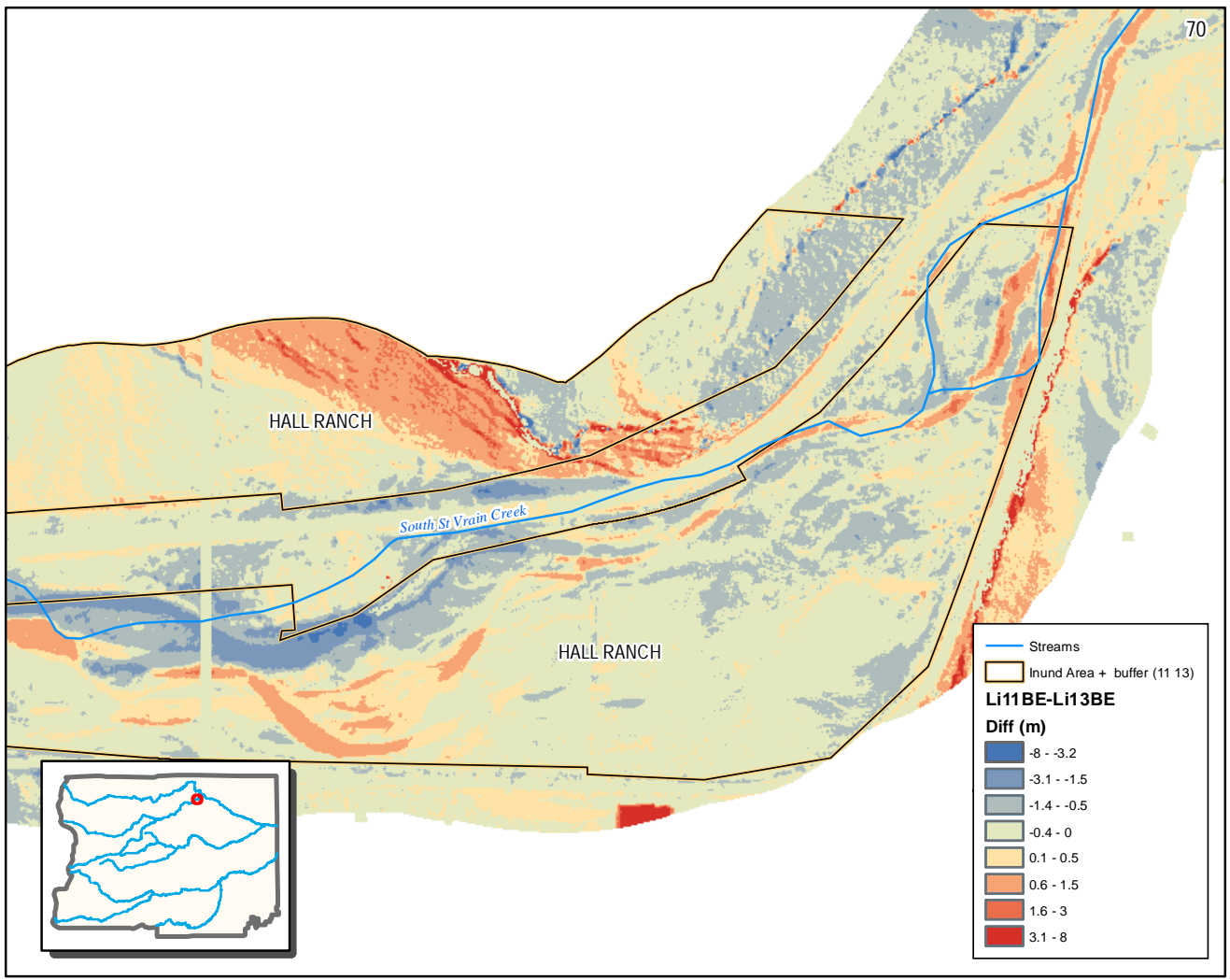






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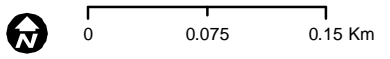
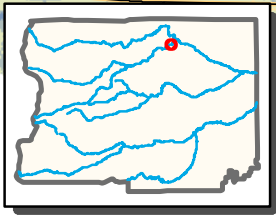
— Streams

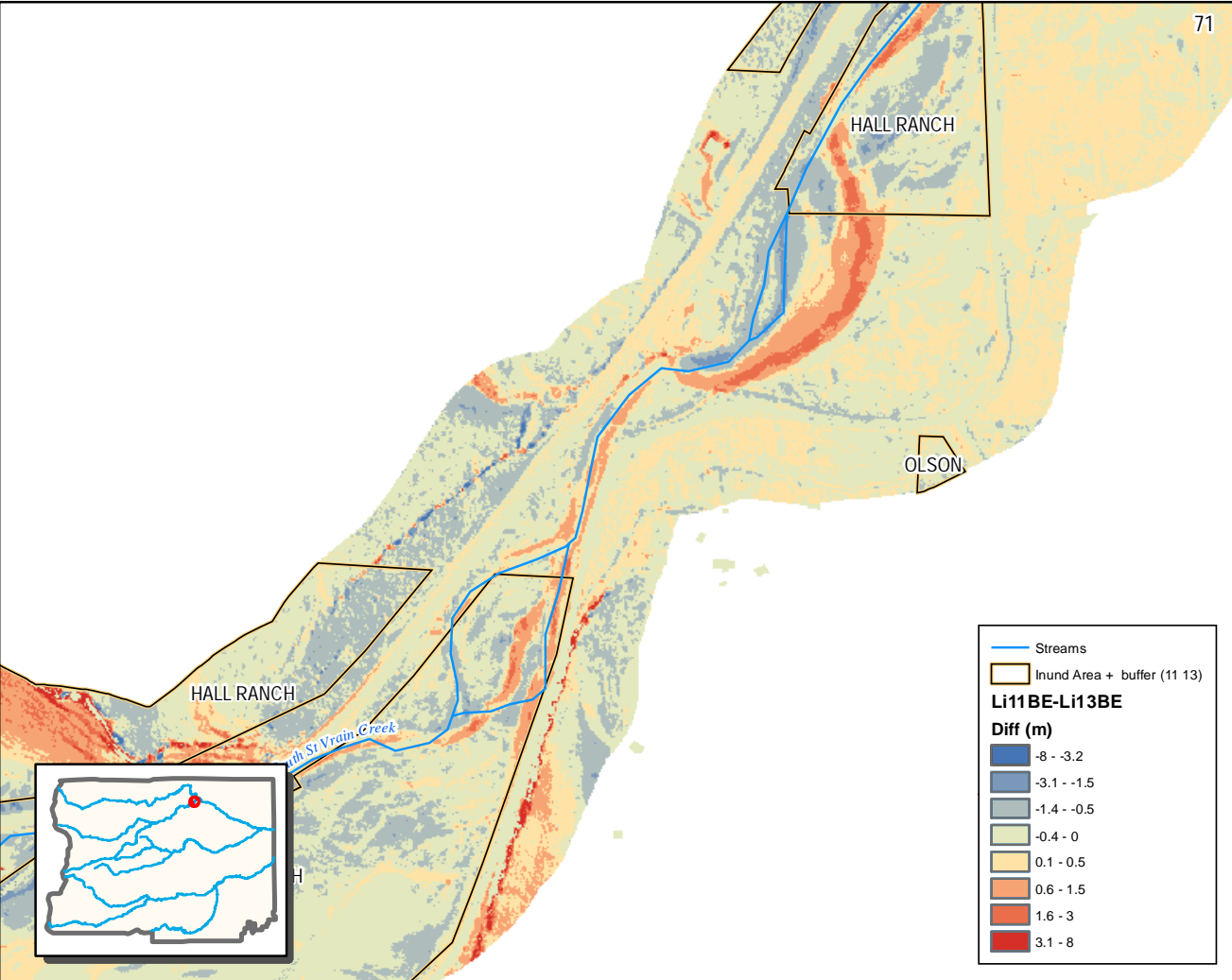
— Inund Area + buffer (11 13)

Li11BE-Li13BE

Diff (m)

Dark Blue	-8 - -3.2
Blue-Gray	-3.1 - -1.5
Light Blue	-1.4 - -0.5
Light Green	-0.4 - 0
Yellow	0.1 - 0.5
Orange	0.6 - 1.5
Red-Orange	1.6 - 3
Dark Red	3.1 - 8





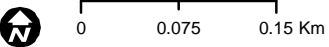
— Streams

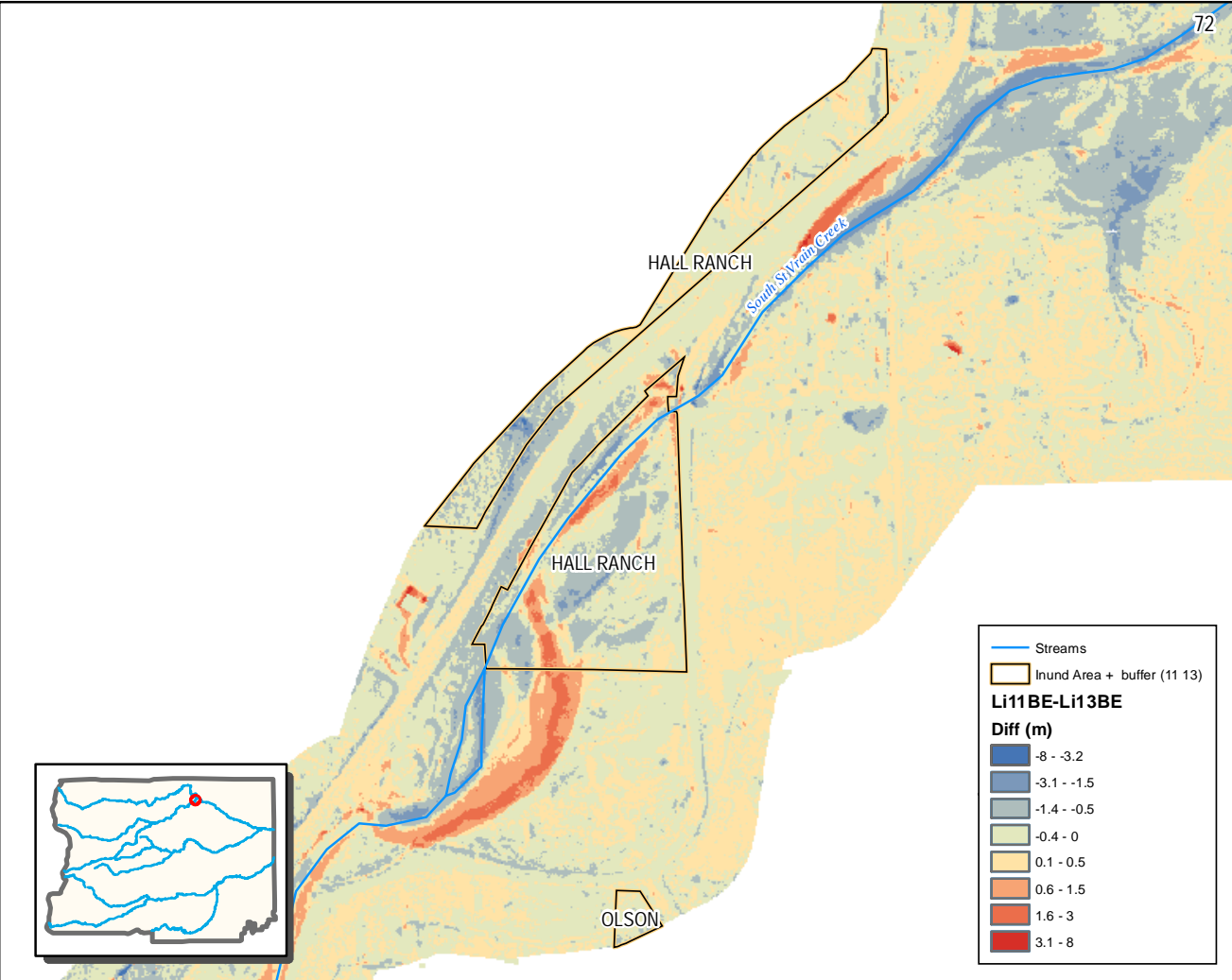
▭ Inund Area + buffer (11 13)

Li11BE-Li13BE

Diff (m)

Dark Blue	-8 - -3.2
Medium Blue	-3.1 - -1.5
Light Blue	-1.4 - -0.5
Light Green	-0.4 - 0
Yellow	0.1 - 0.5
Orange	0.6 - 1.5
Red-Orange	1.6 - 3
Dark Red	3.1 - 8





HALL RANCH

South SW Train Creek

HALL RANCH

OLSON

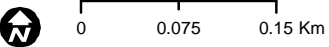
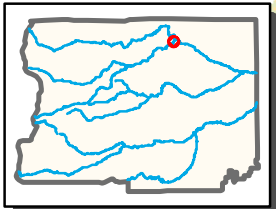
— Streams

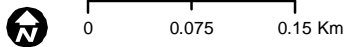
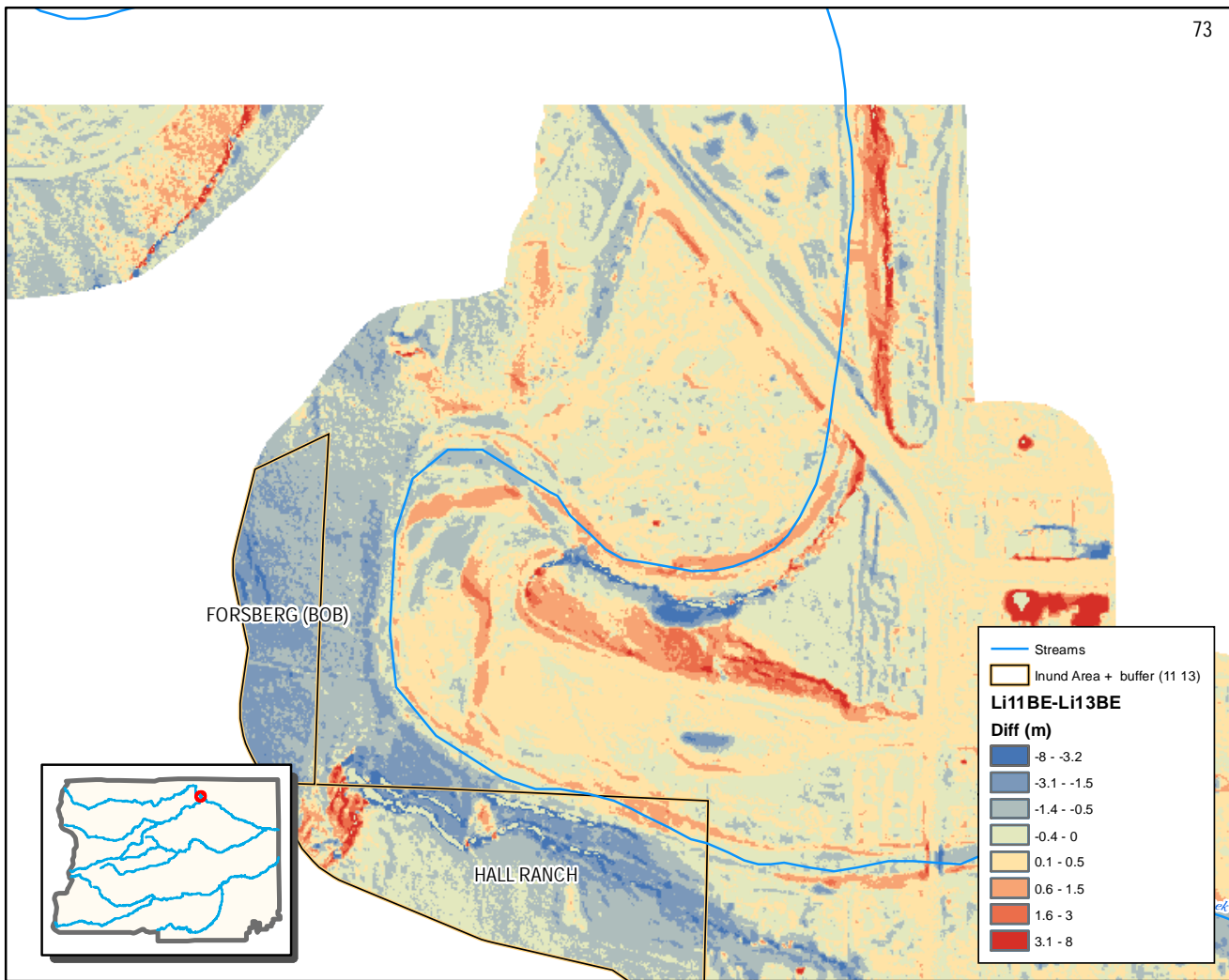
▭ Inund Area + buffer (11 13)

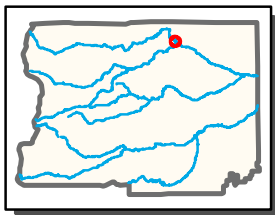
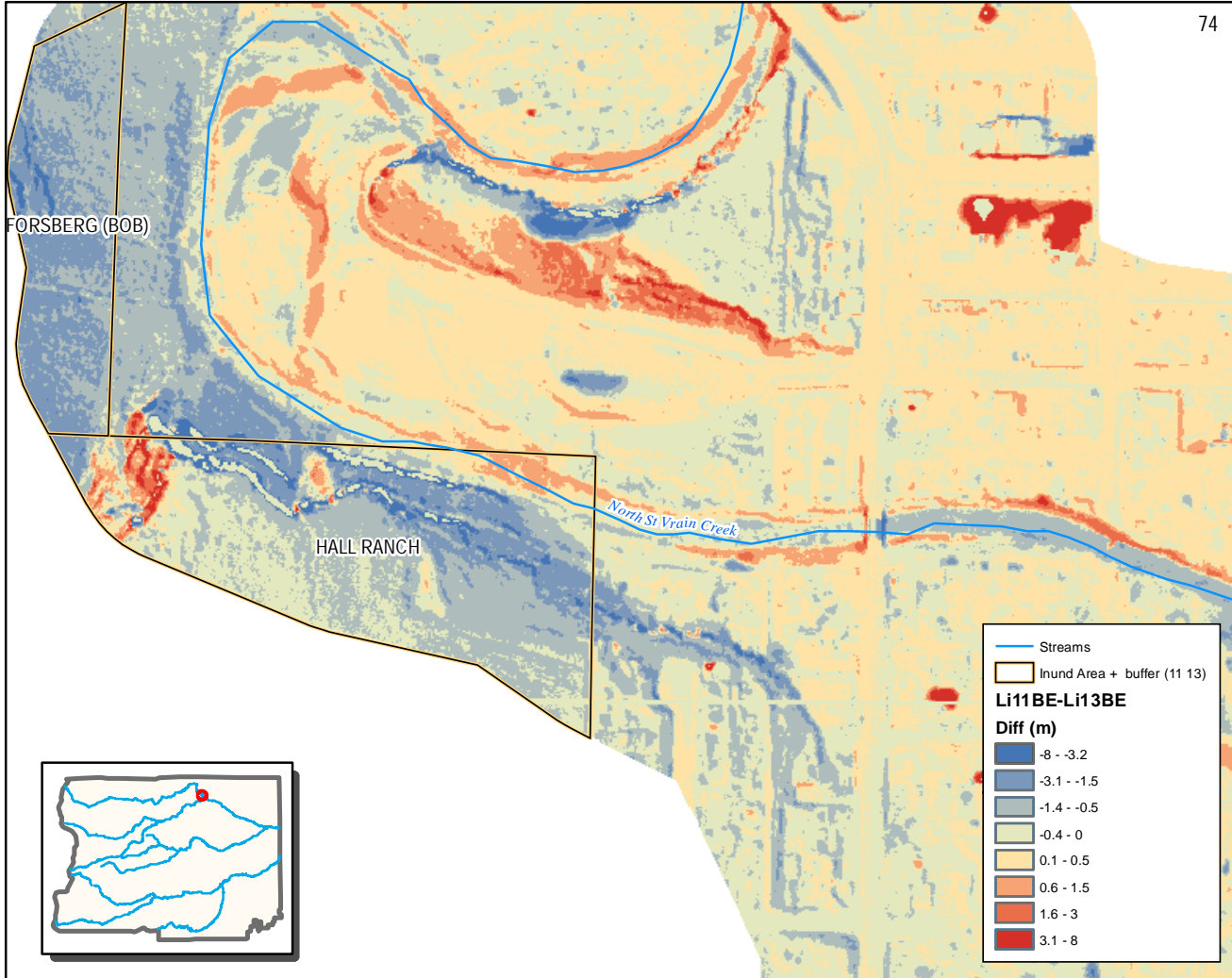
Li11BE-Li13BE

Diff (m)

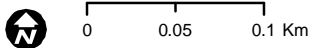
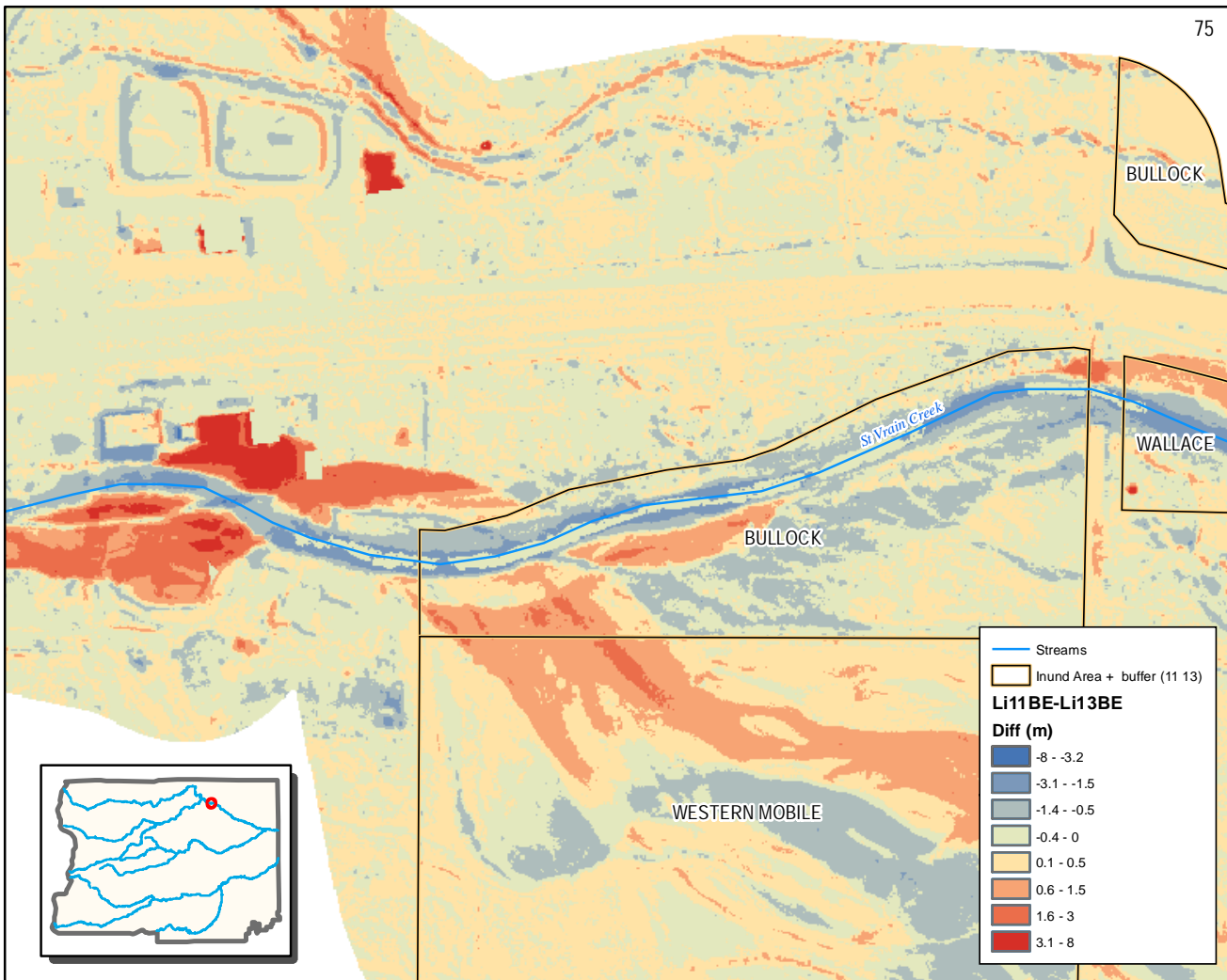
Dark Blue	-8 - -3.2
Medium Blue	-3.1 - -1.5
Light Blue	-1.4 - -0.5
Light Green	-0.4 - 0
Yellow	0.1 - 0.5
Orange	0.6 - 1.5
Red-Orange	1.6 - 3
Red	3.1 - 8

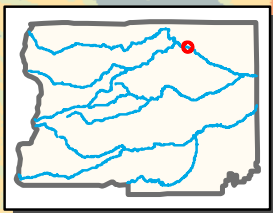
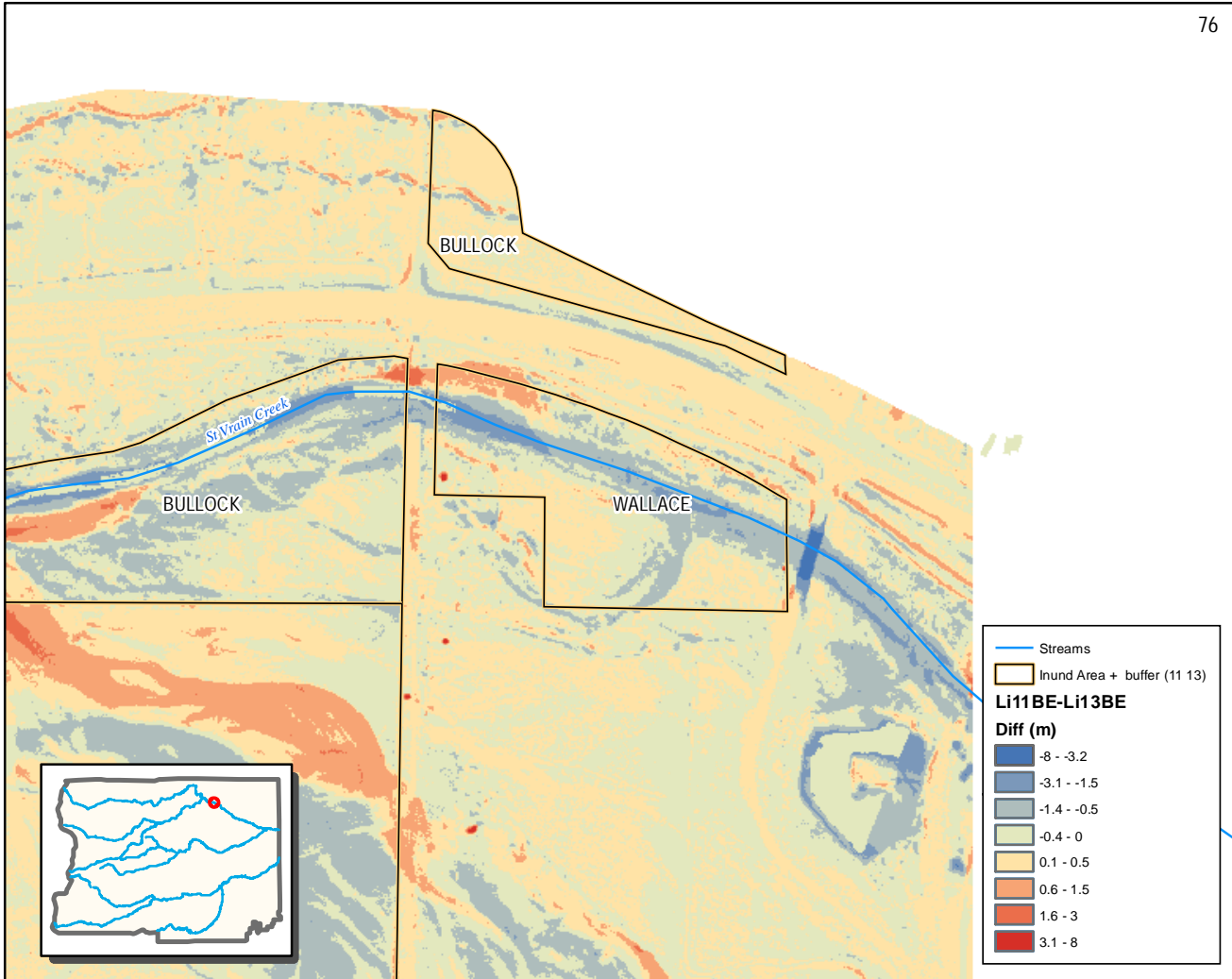




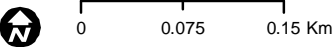
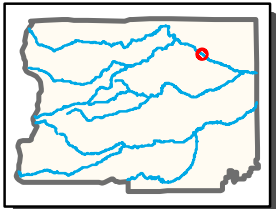
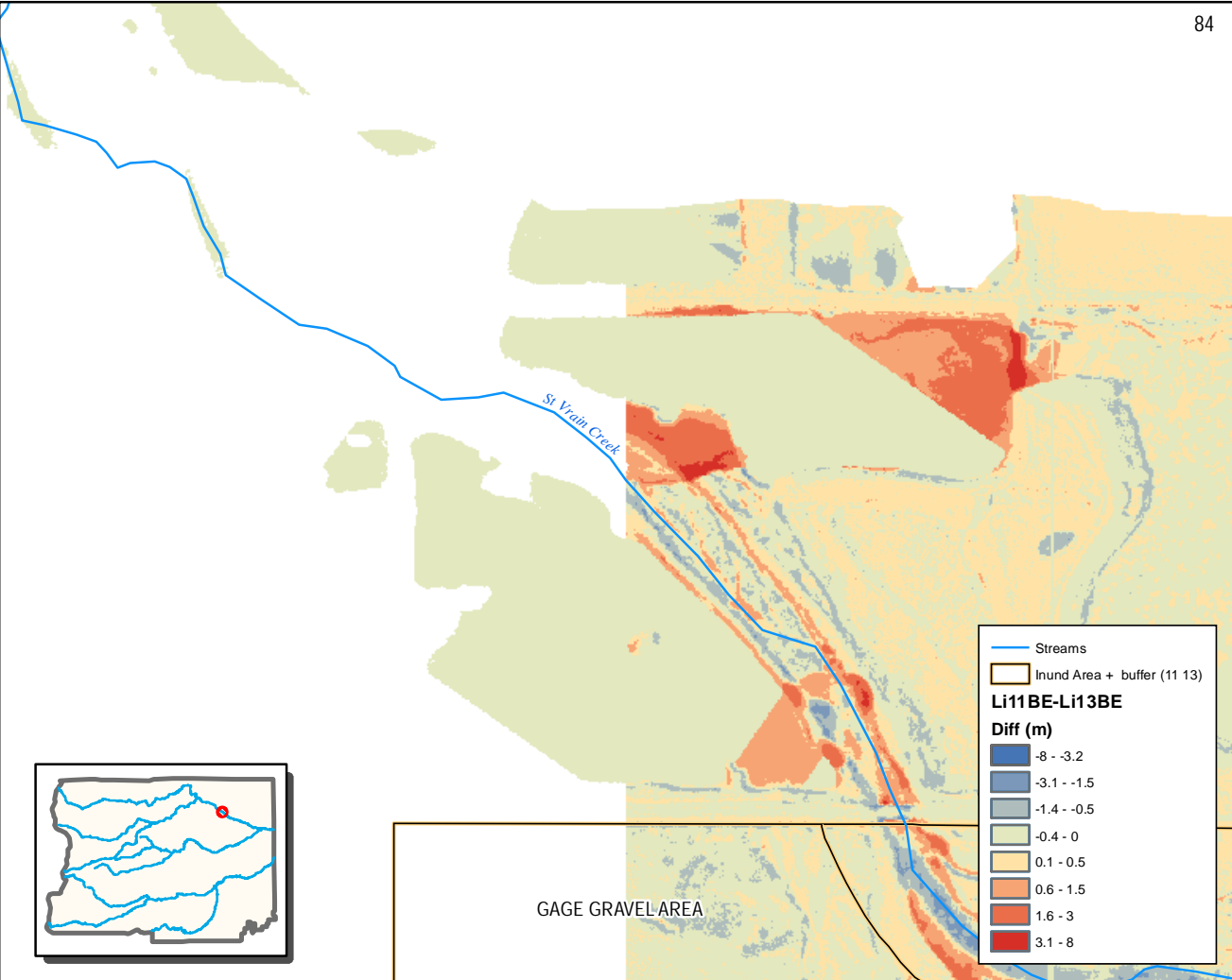


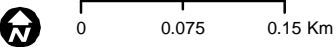
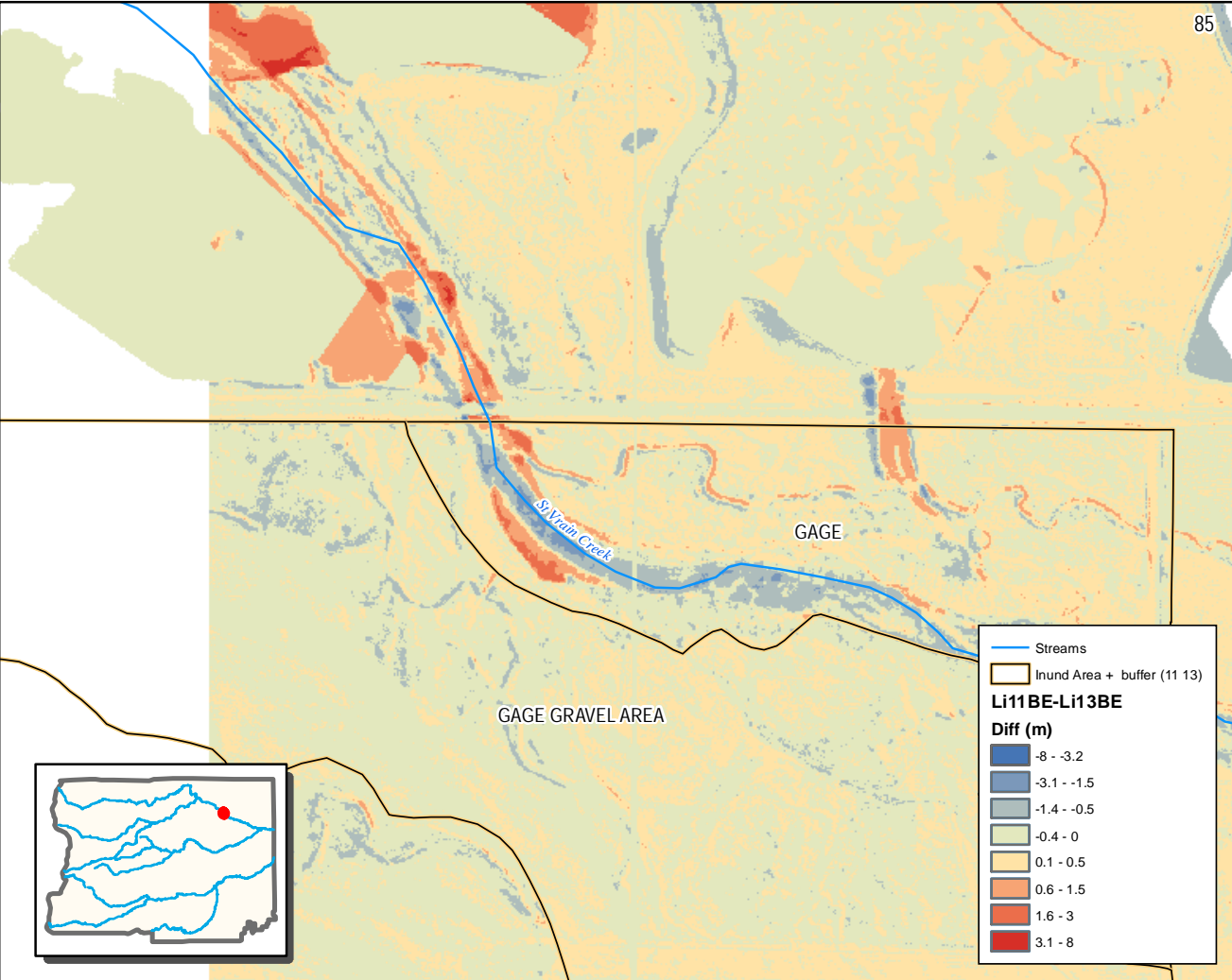
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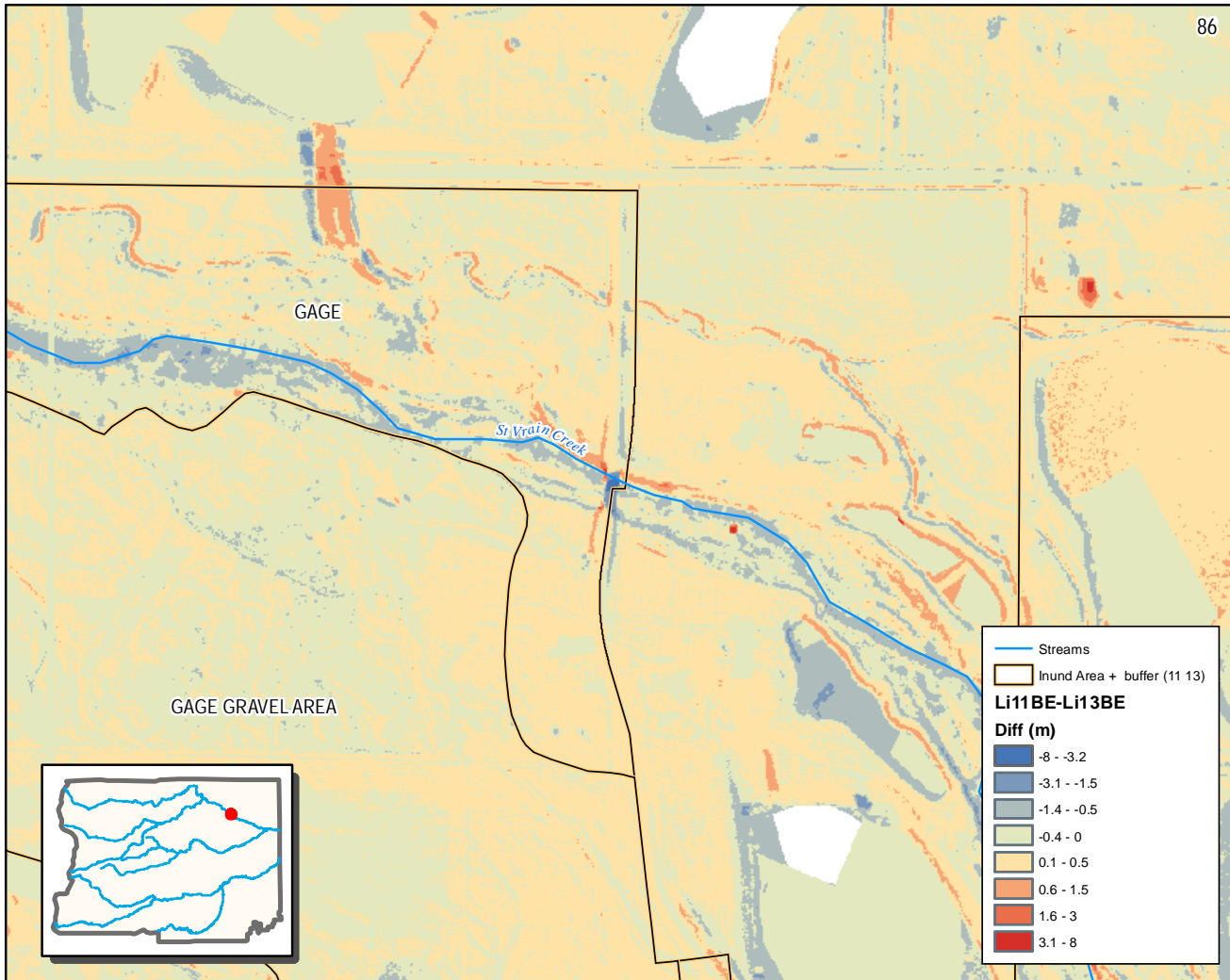




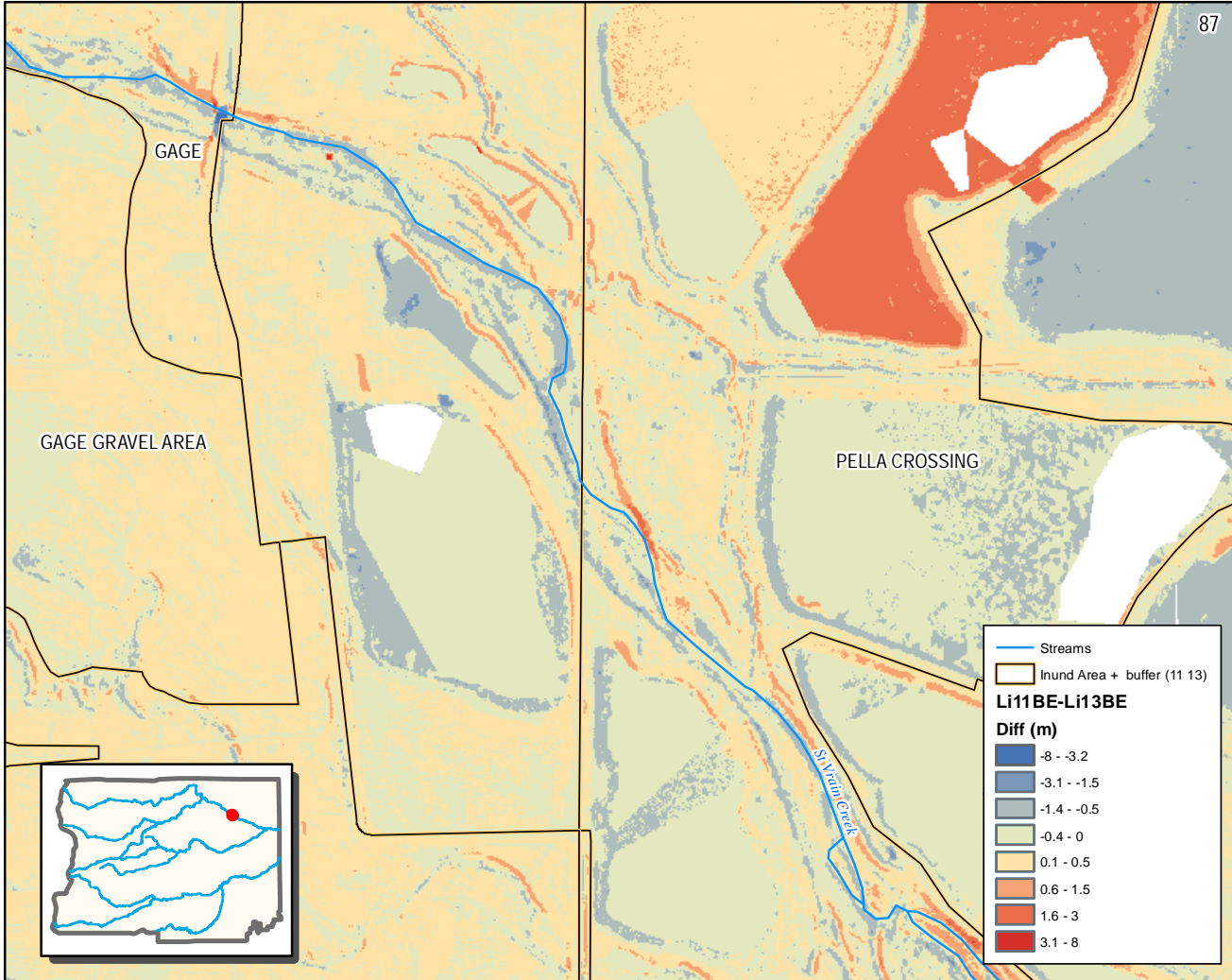
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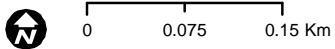
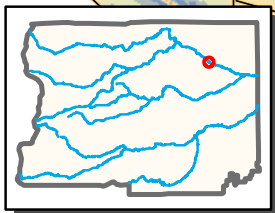
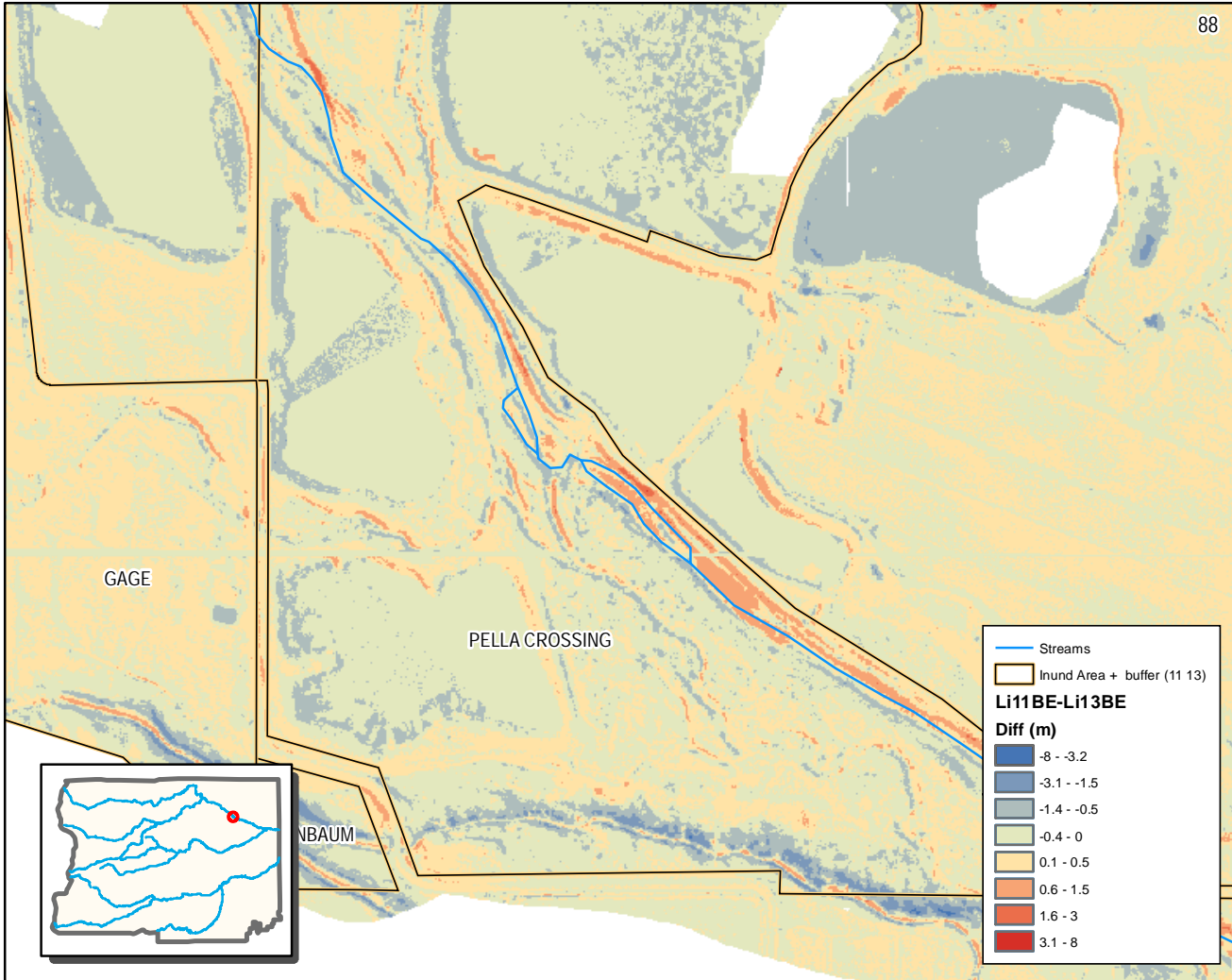




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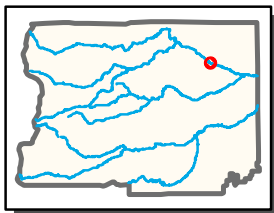
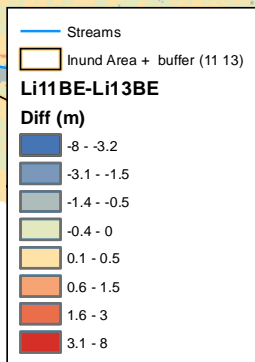
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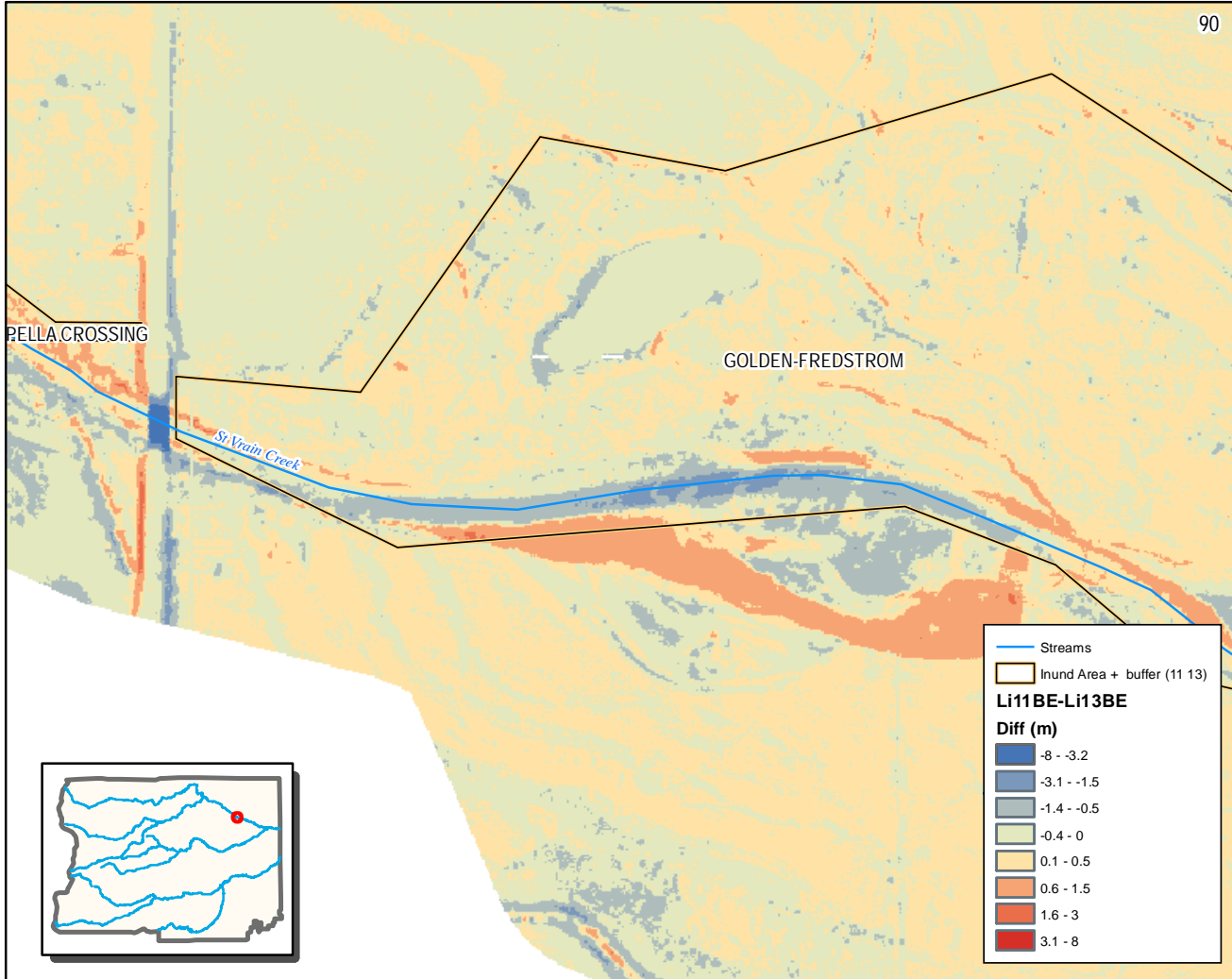
PELLA CROSSING

St. Vrain Creek

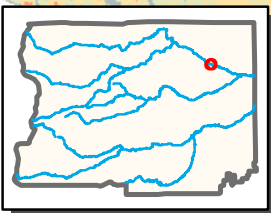
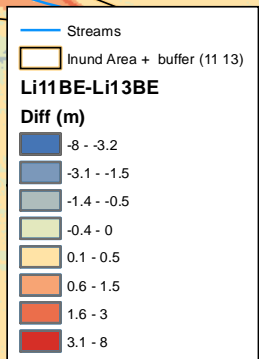
GOLDEN:FREDSTROM



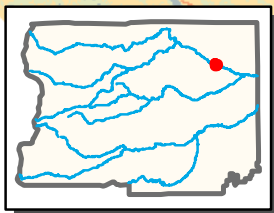
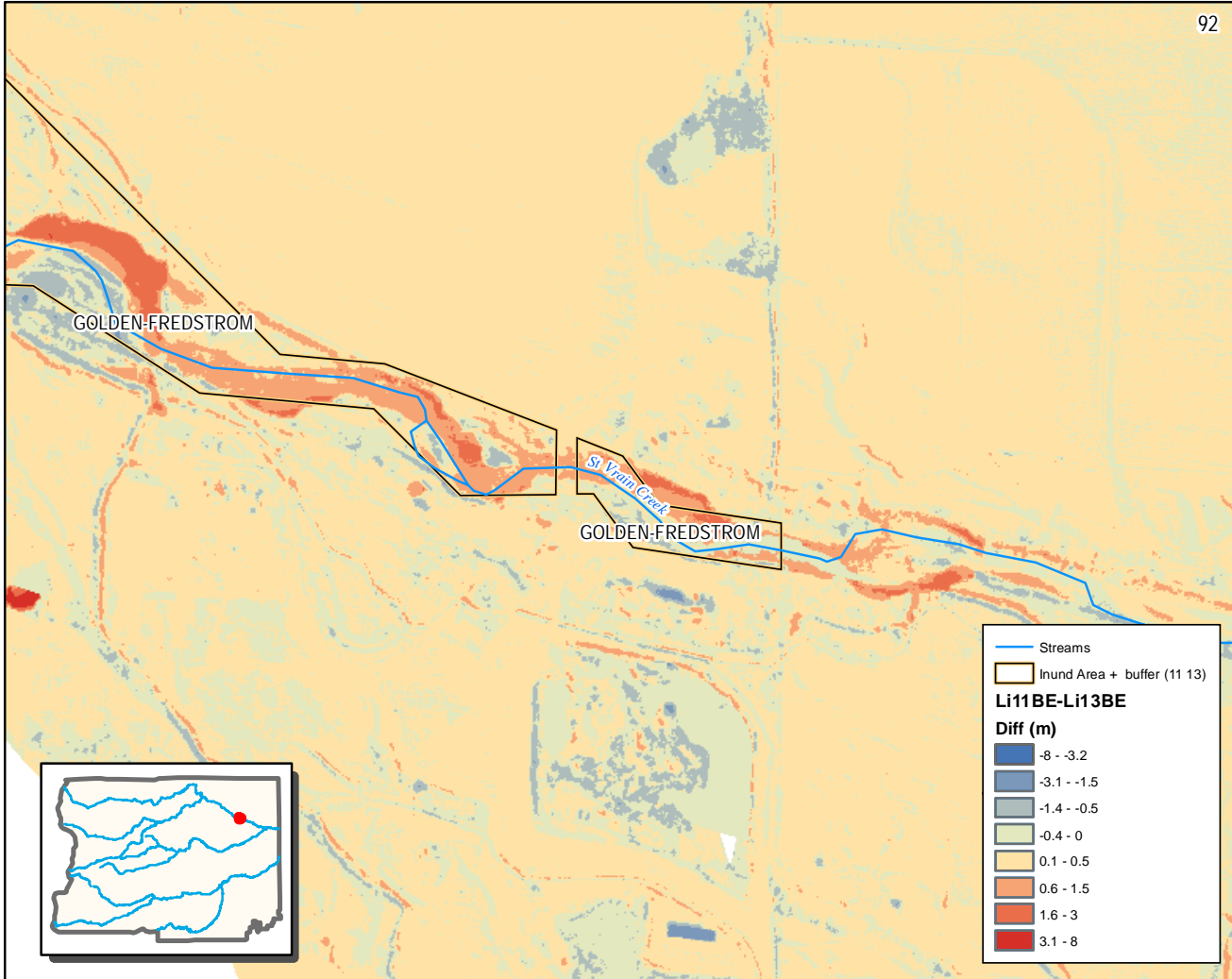
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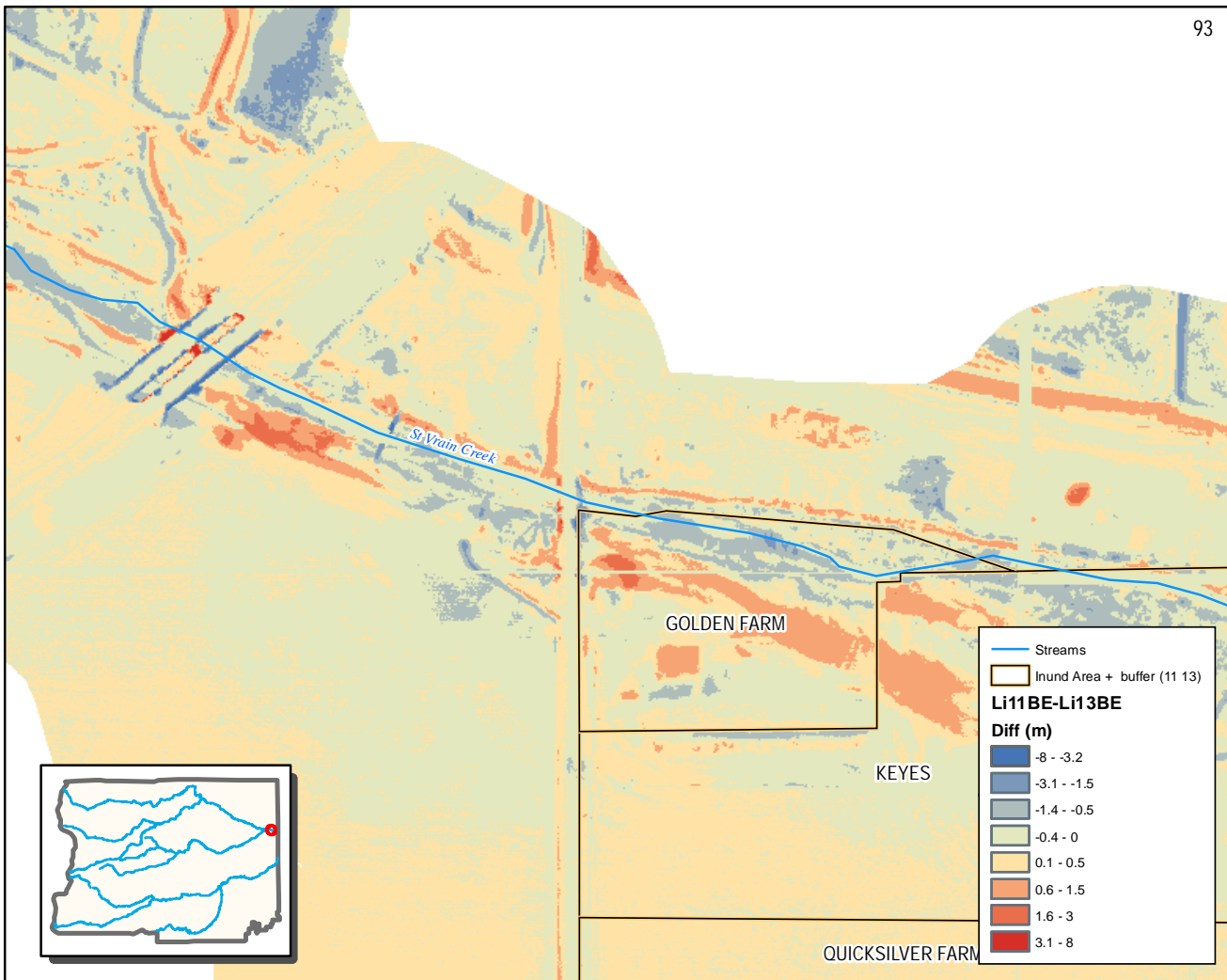
GOLDEN-FREDSTROM

St Vrain Creek

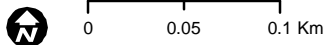
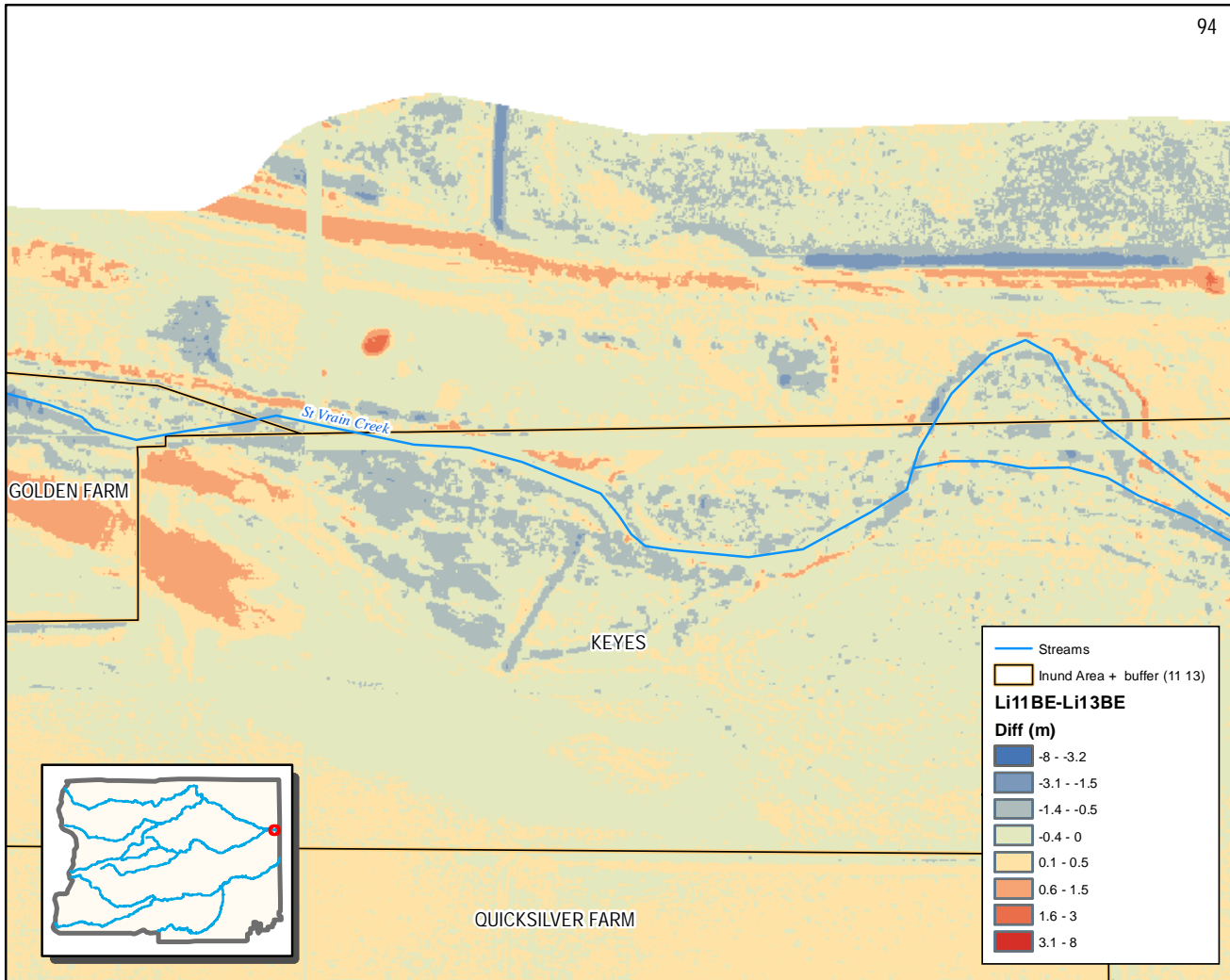
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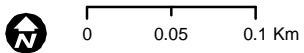
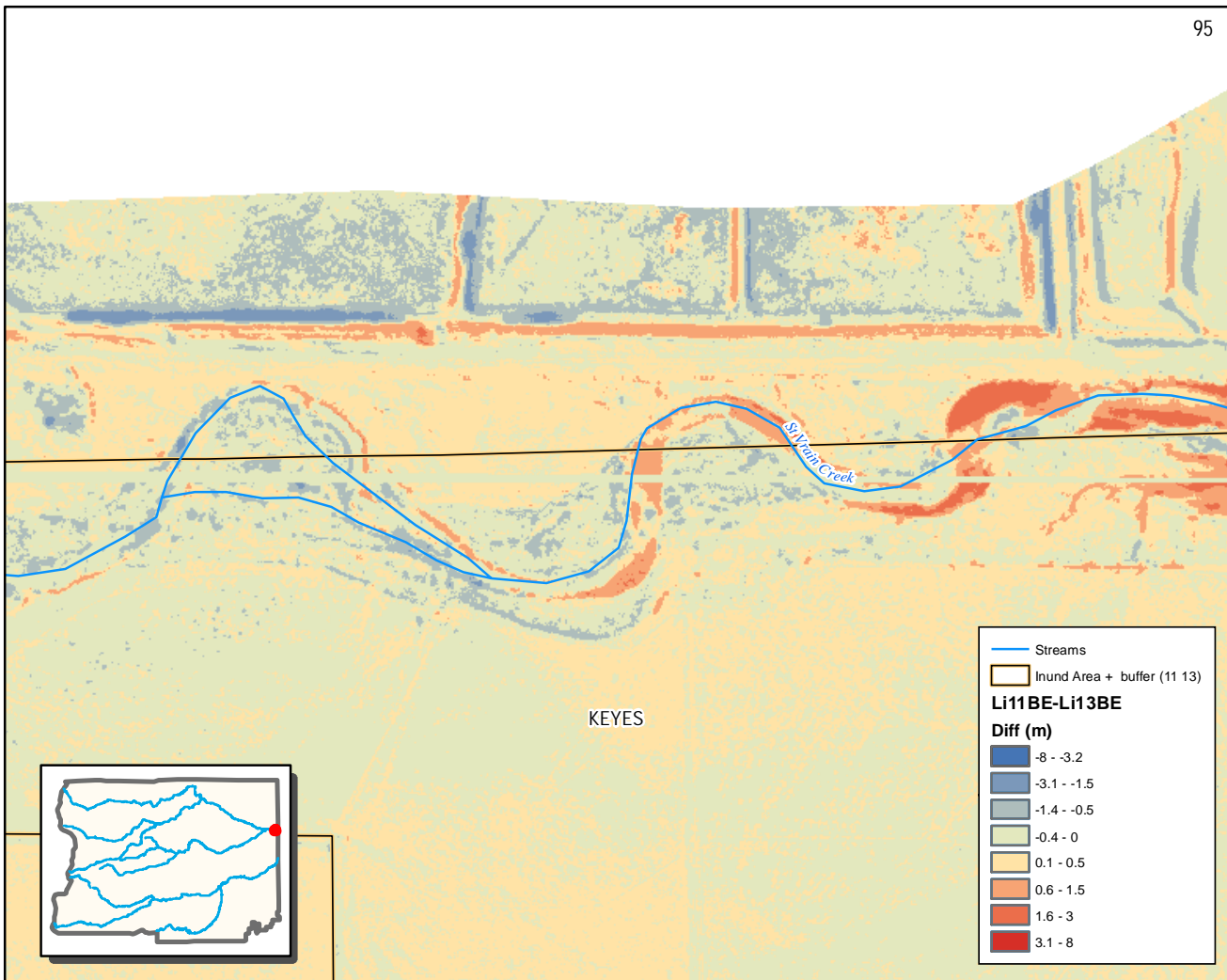


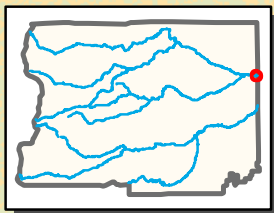
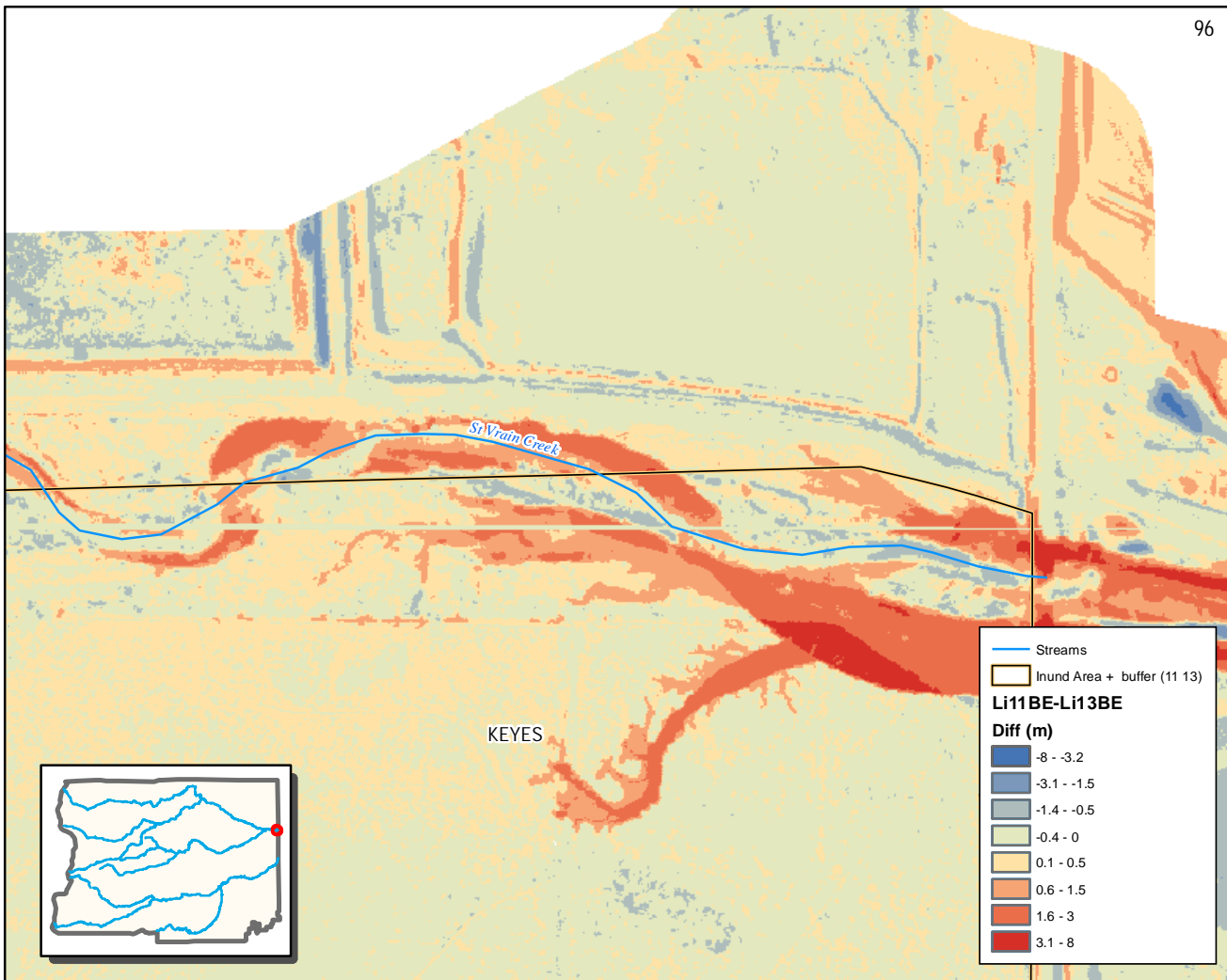
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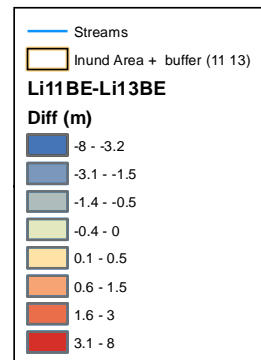
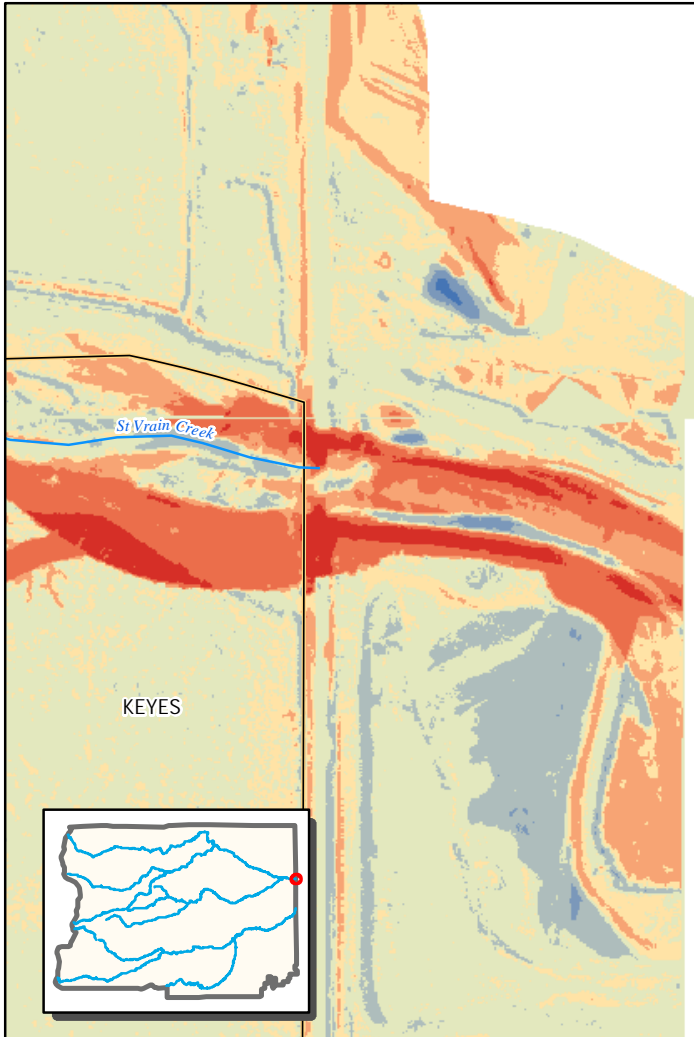
0 0.05 0.1 Km



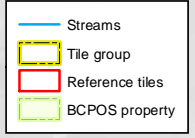
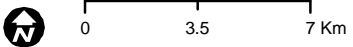
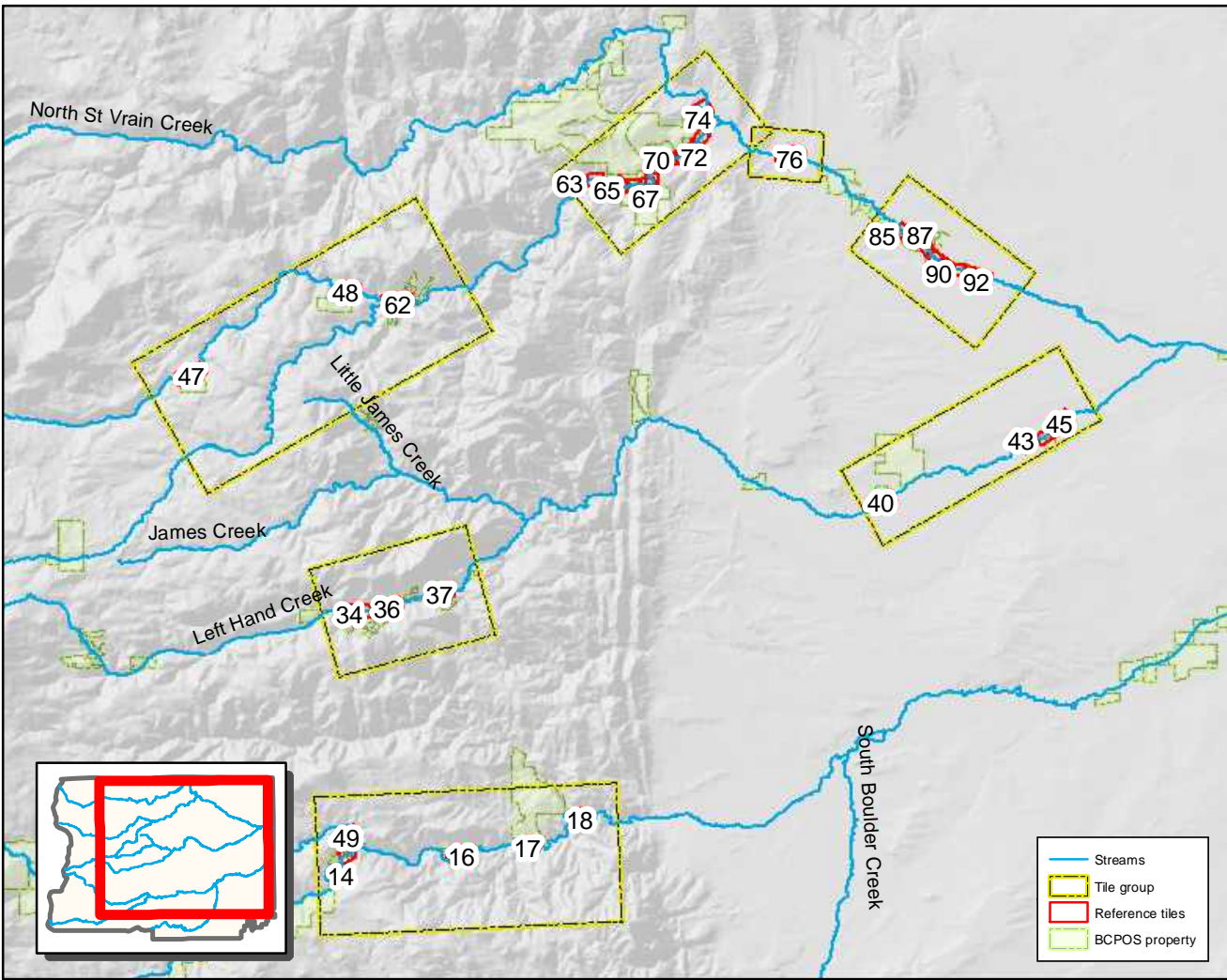


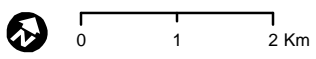
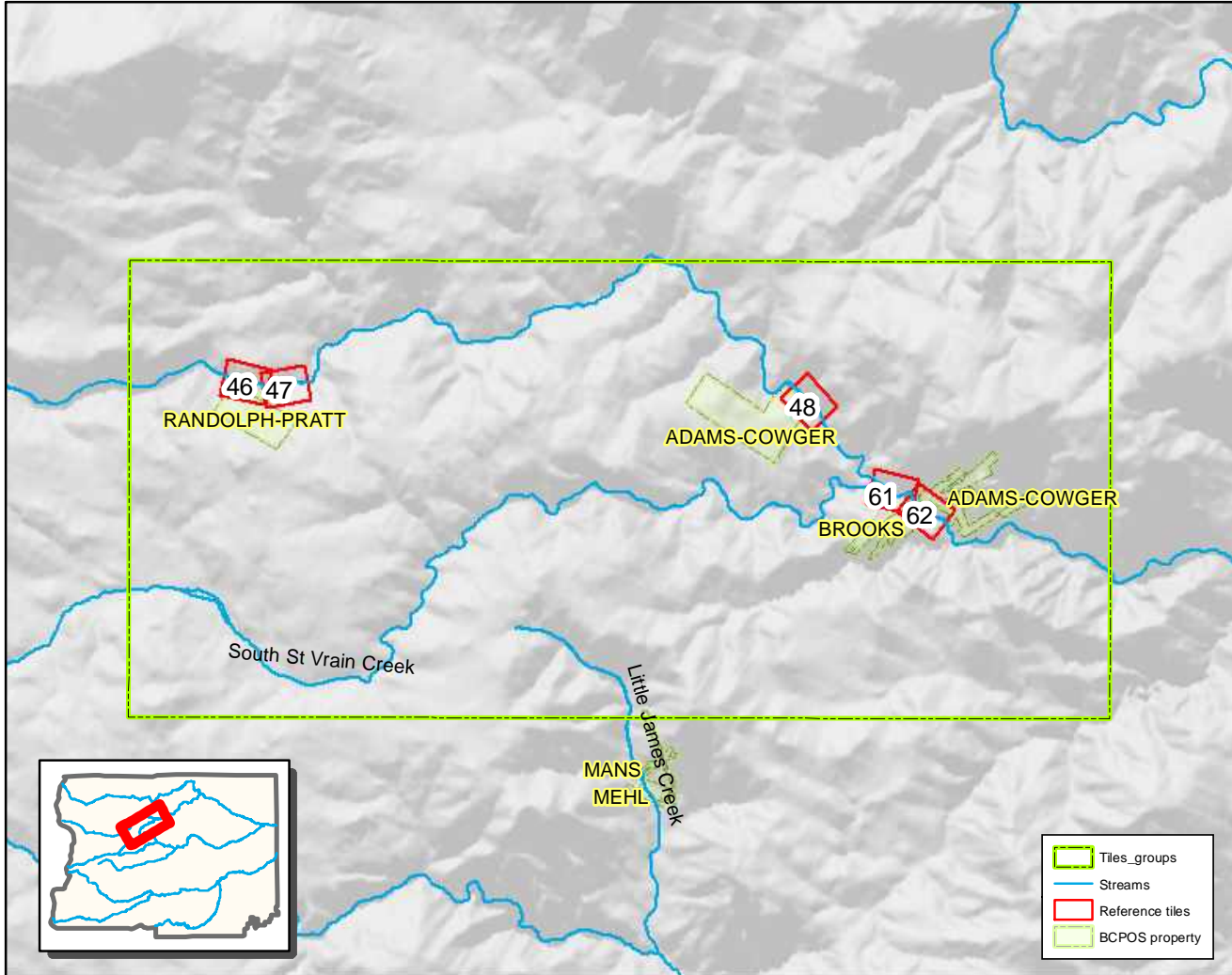


0 0.05 0.1 Km

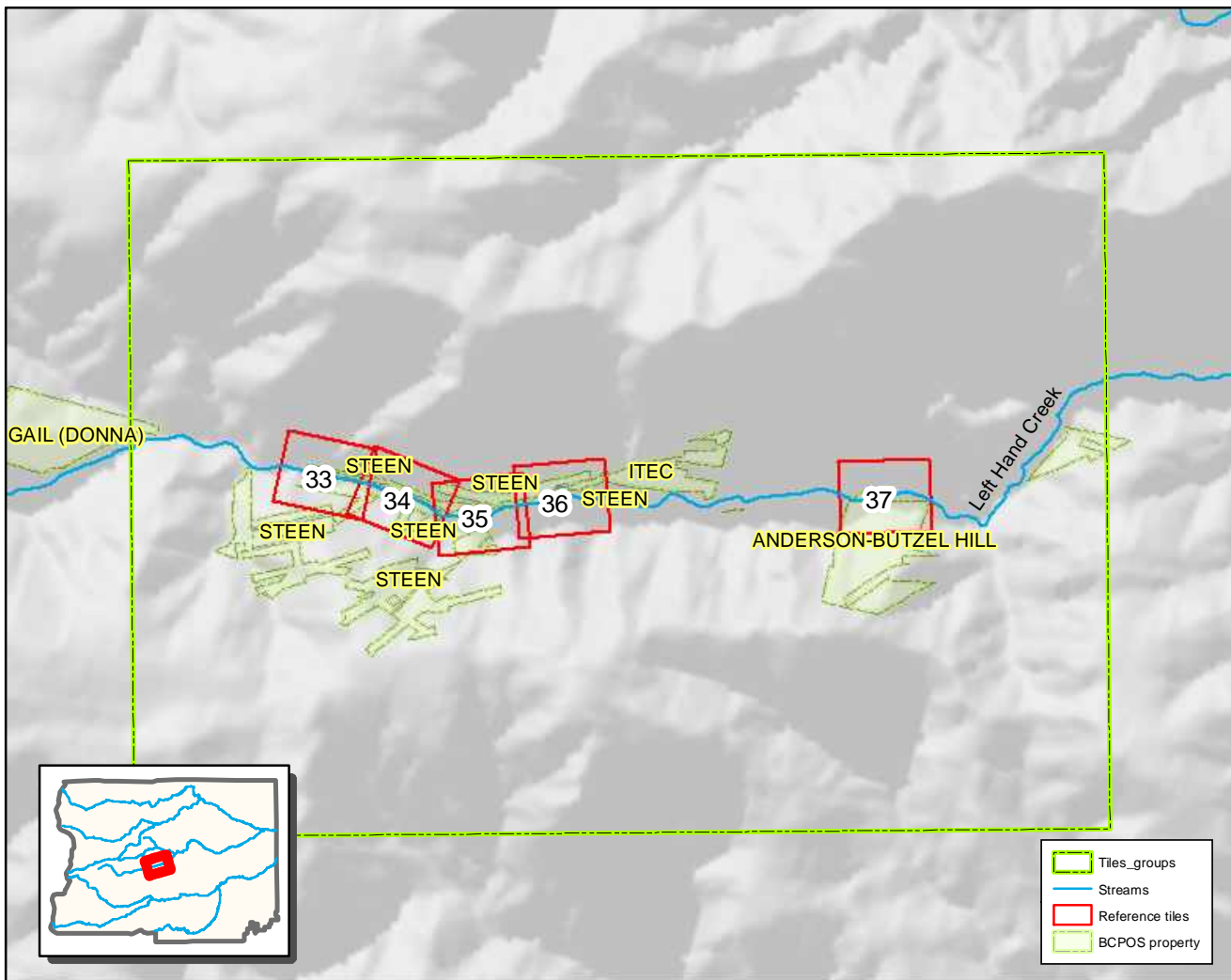


0 0.05 0.1 Km

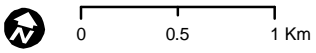


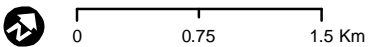
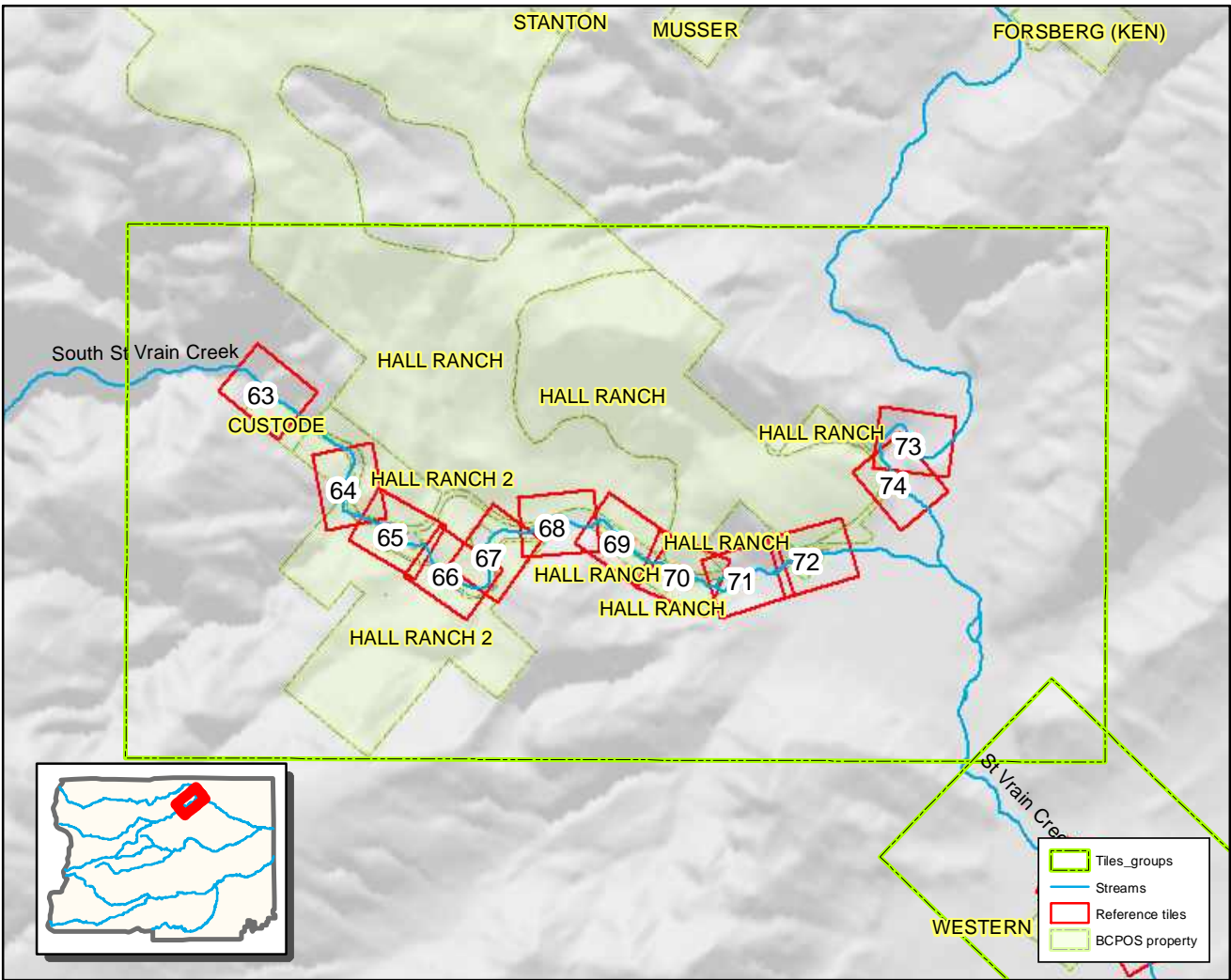


- Tiles_groups
- Streams
- Reference tiles
- BCPOS property

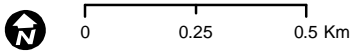
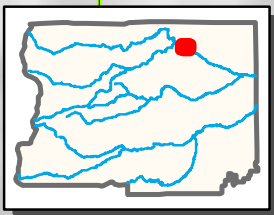
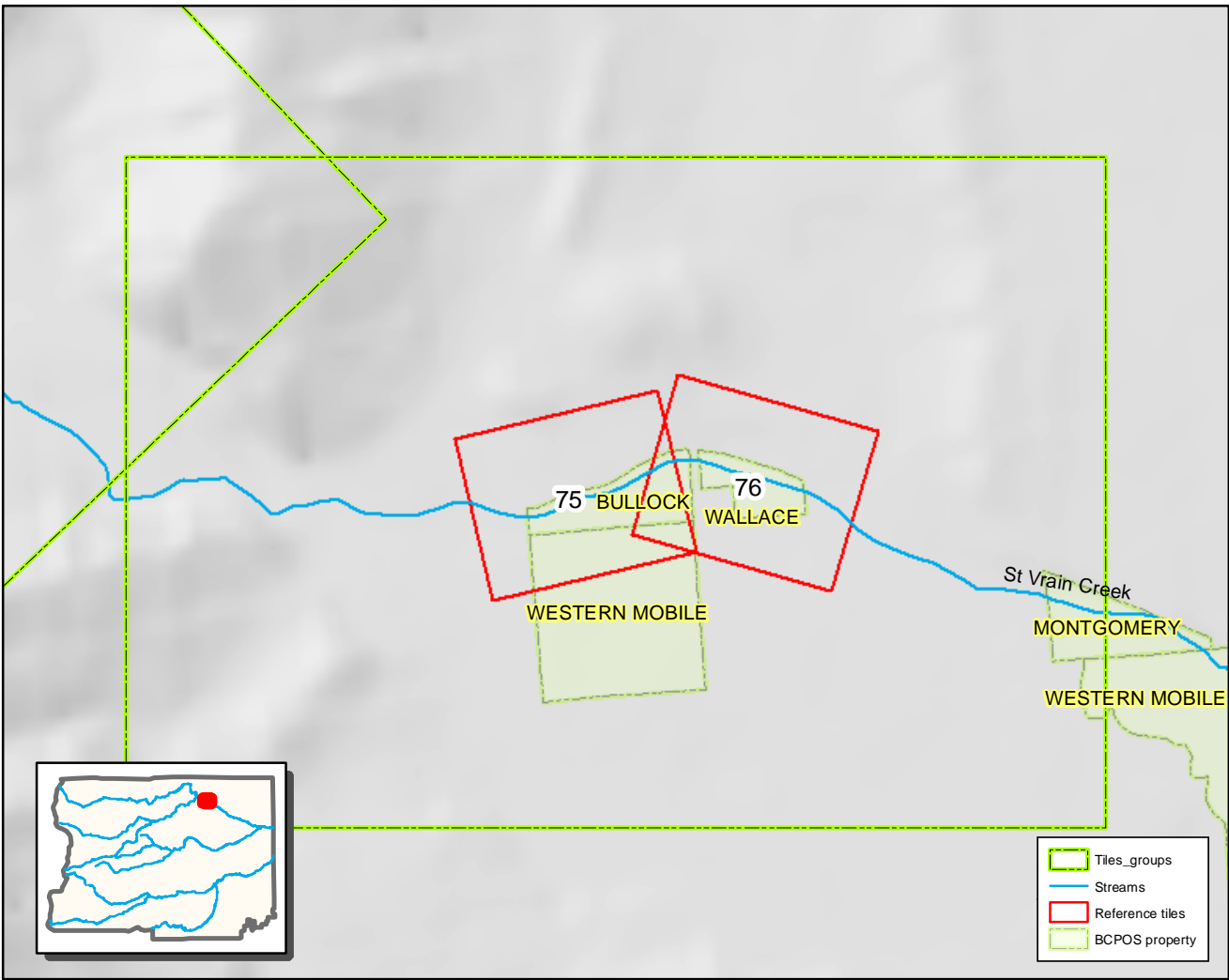


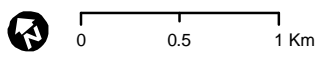
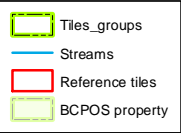
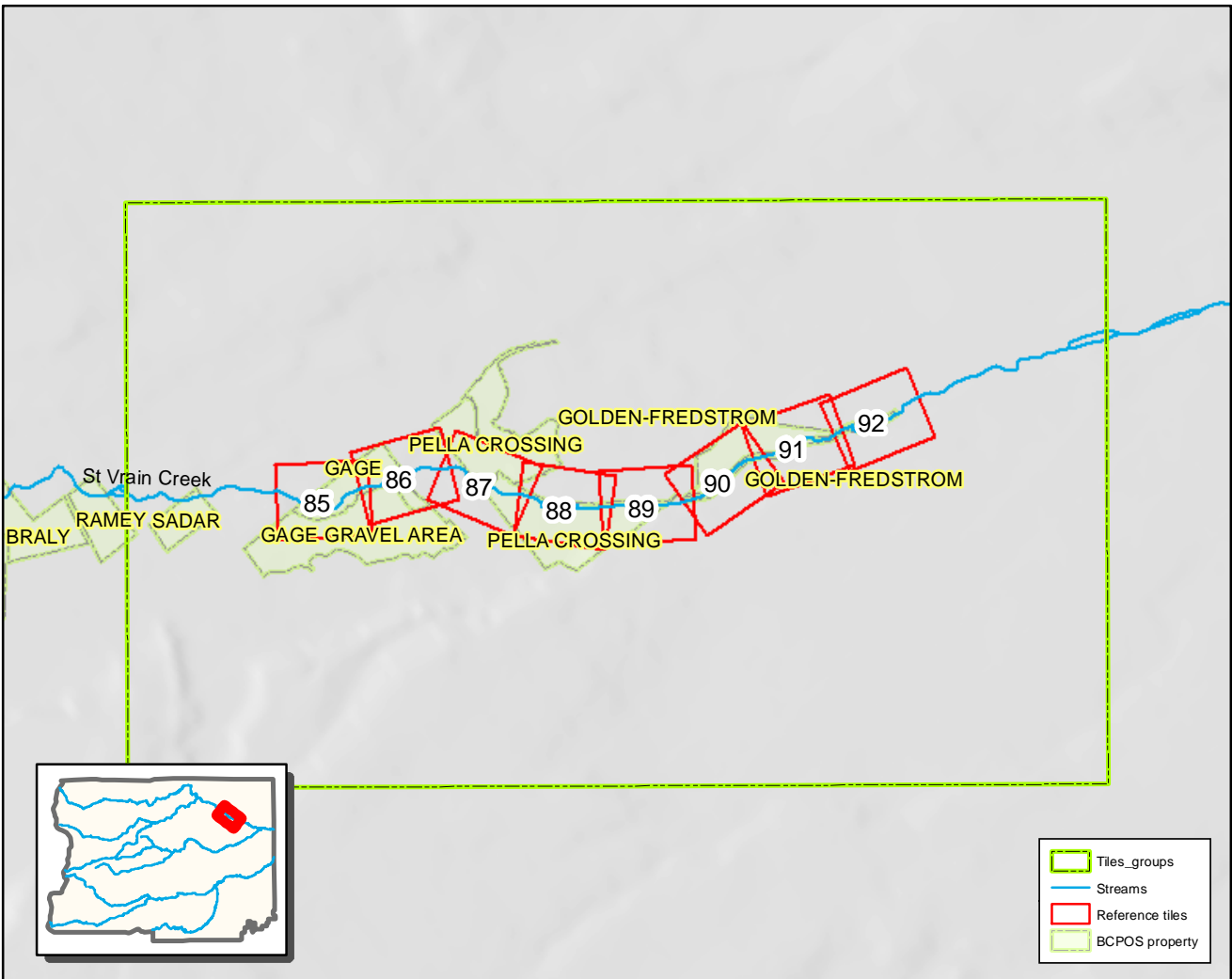
- Tiles_groups
- Streams
- Reference tiles
- BCPOS property

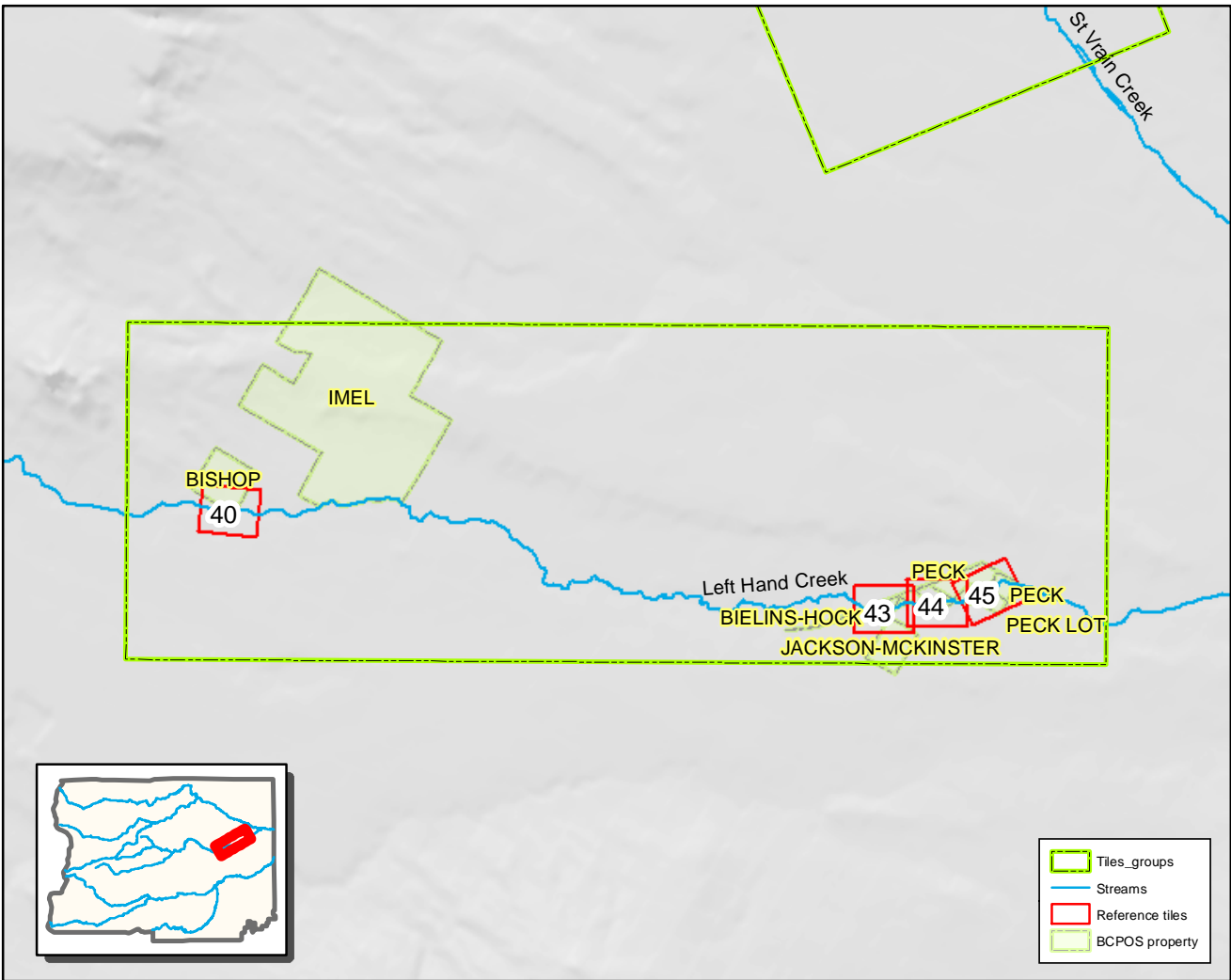




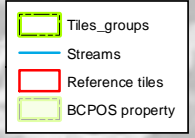
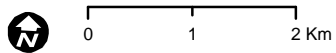
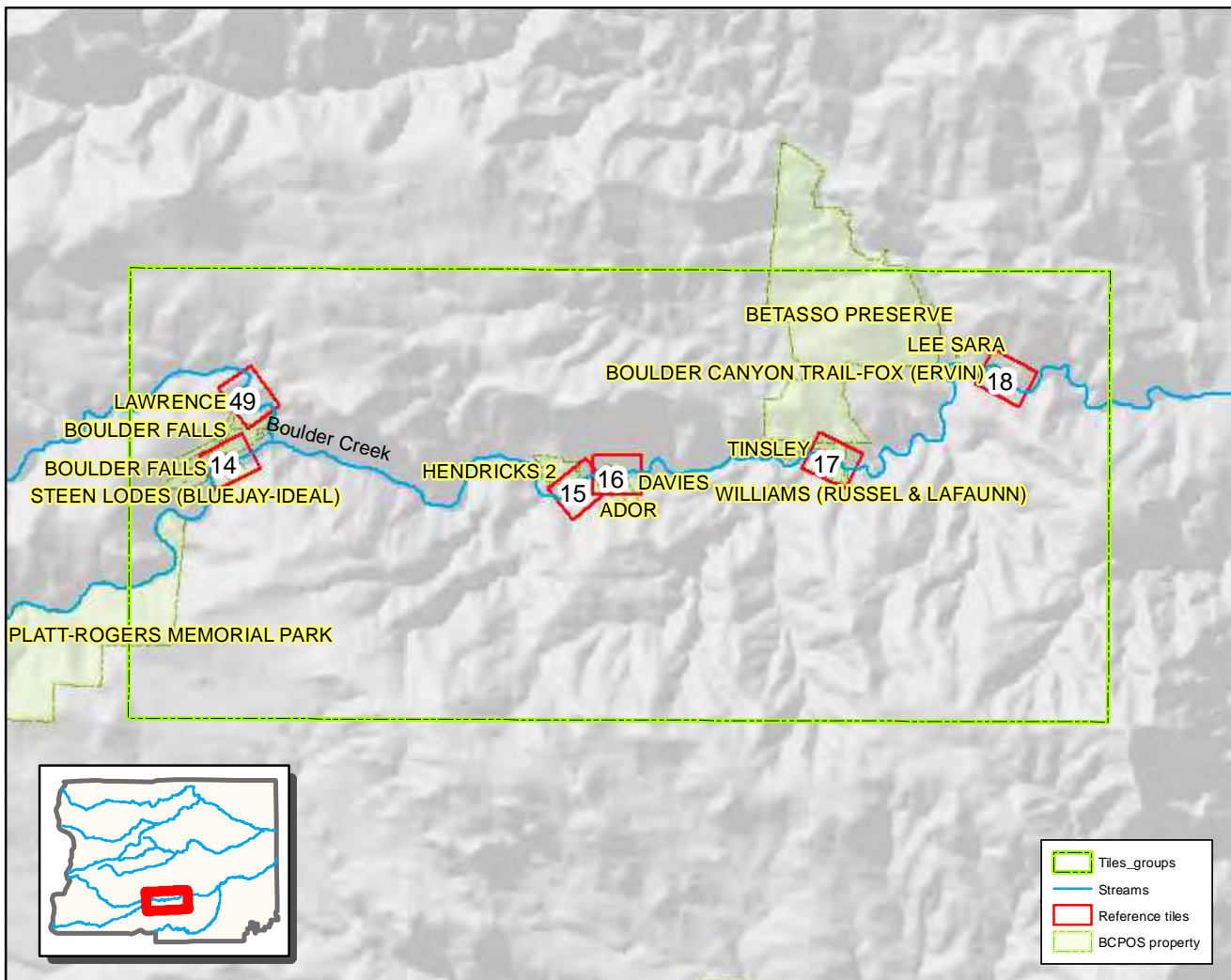
- Tiles_groups
- Streams
- Reference tiles
- BCPOS property

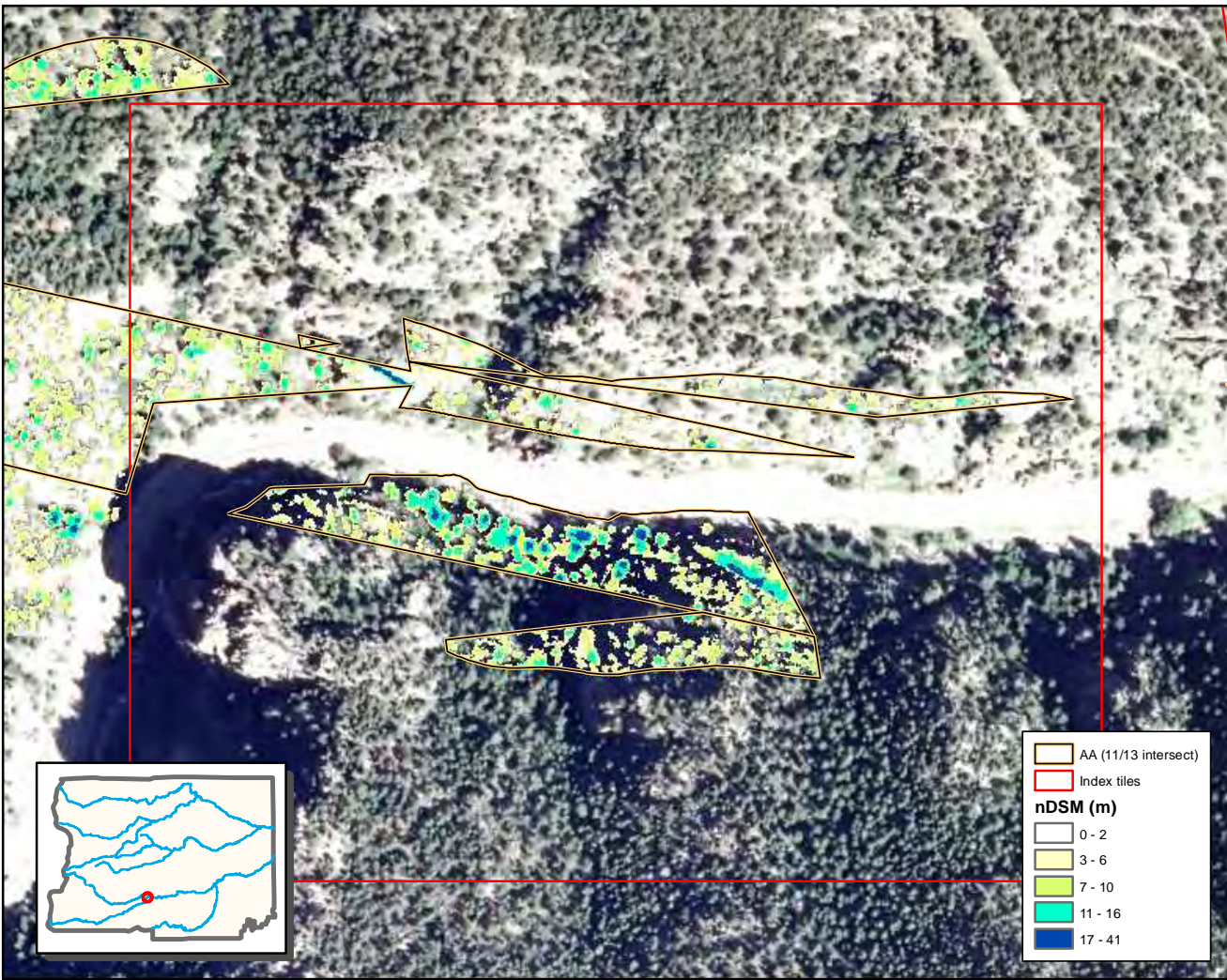






0 0.75 1.5 Km

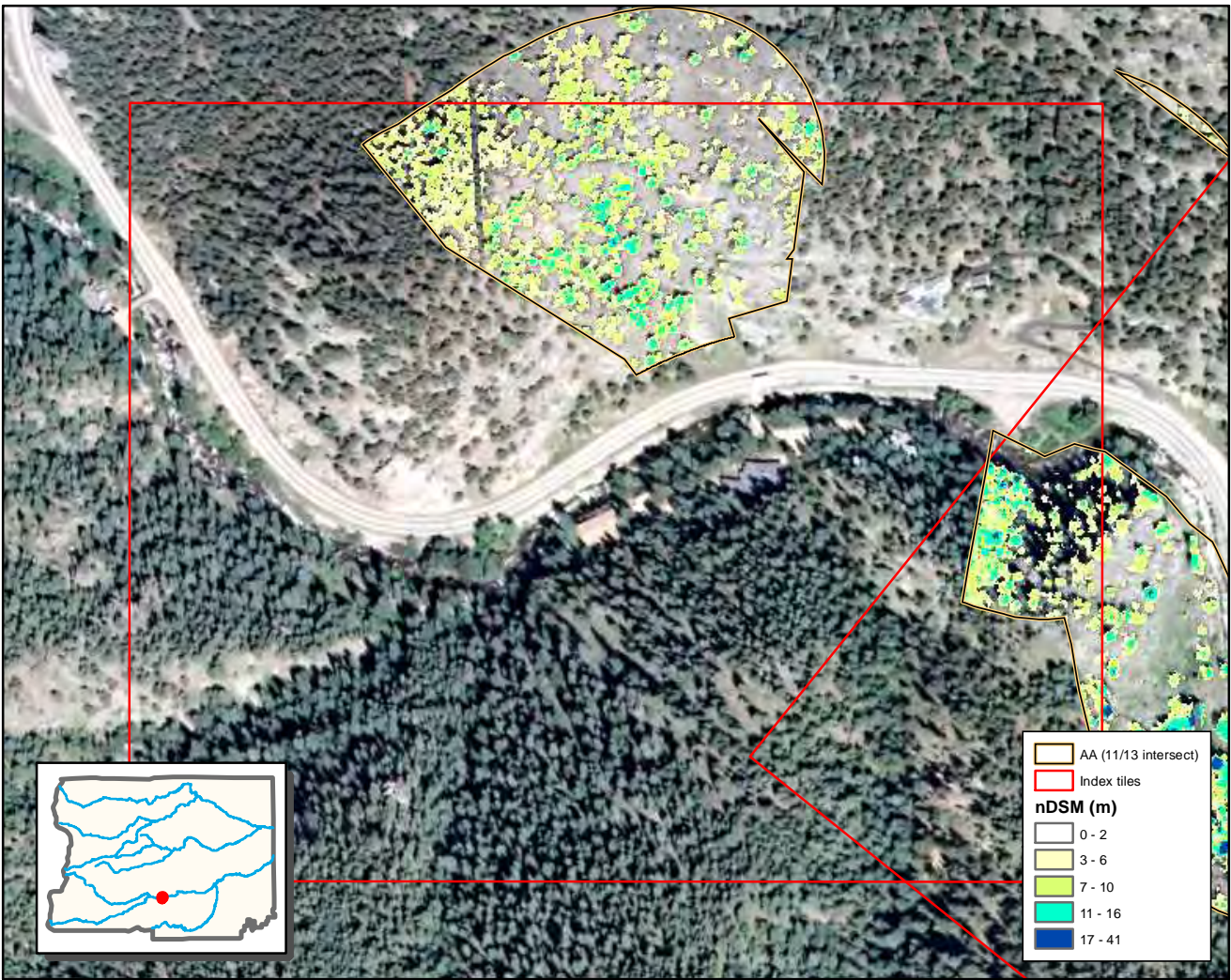




0 0.05 0.1 Km

2011 nDSM

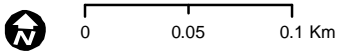
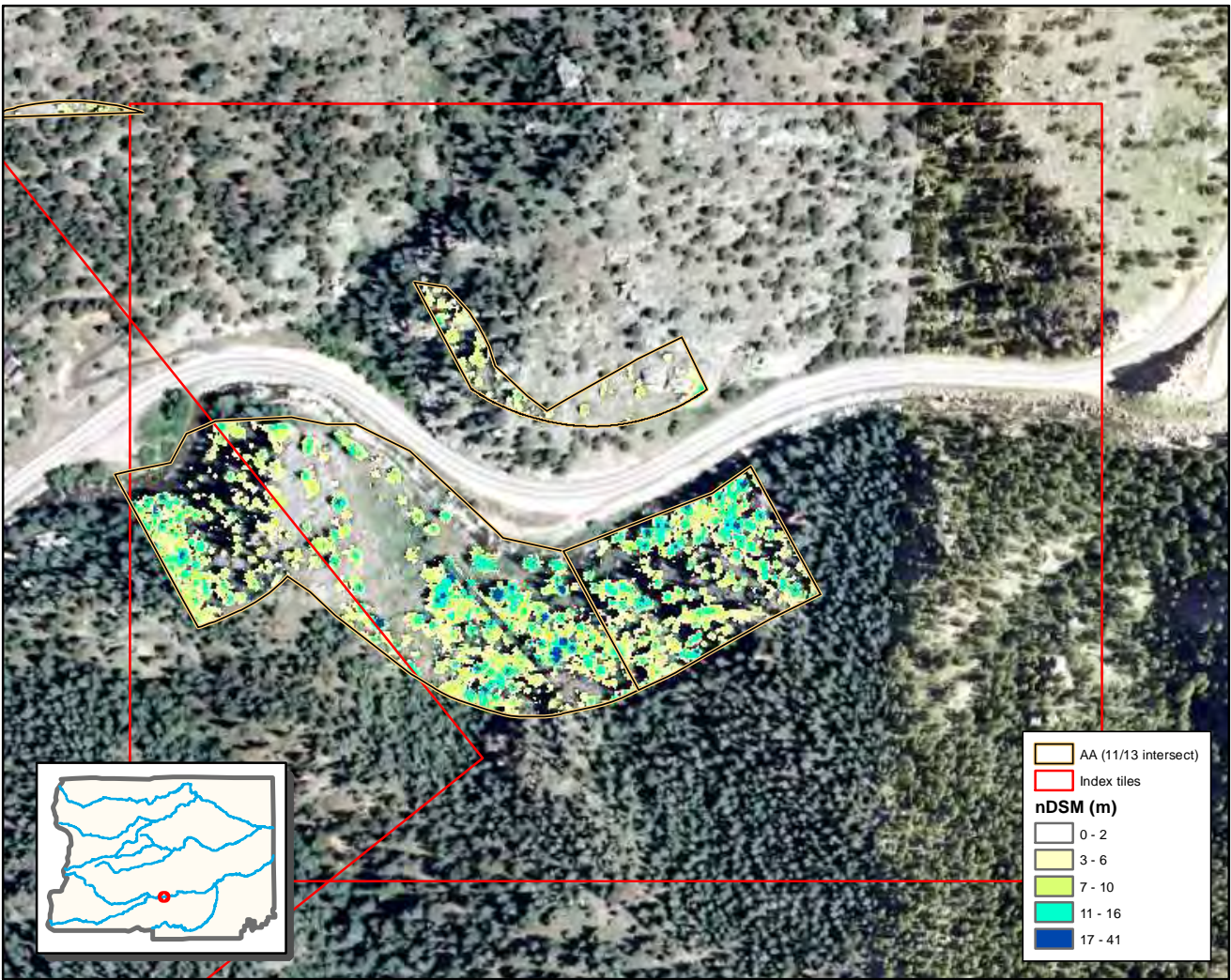
Tile 14



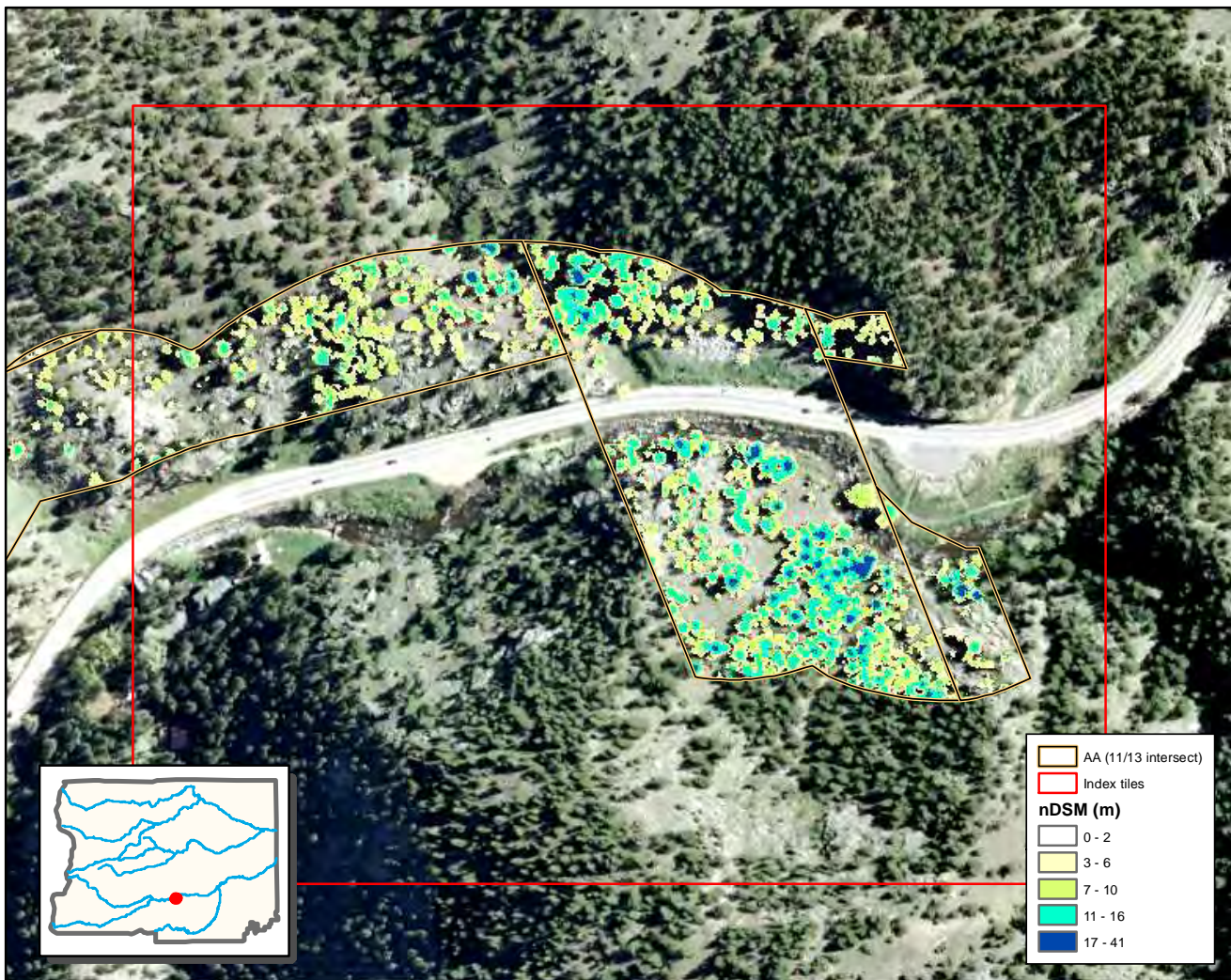
0 0.05 0.1 Km








2011 nDSM

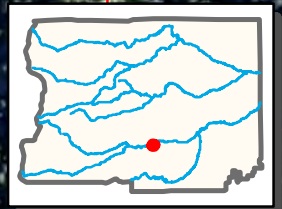
Tile 15



2011 nDSM



	AA (11/13 intersect)
	Index tiles
nDSM (m)	
	0 - 2
	3 - 6
	7 - 10
	11 - 16
	17 - 41

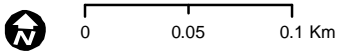
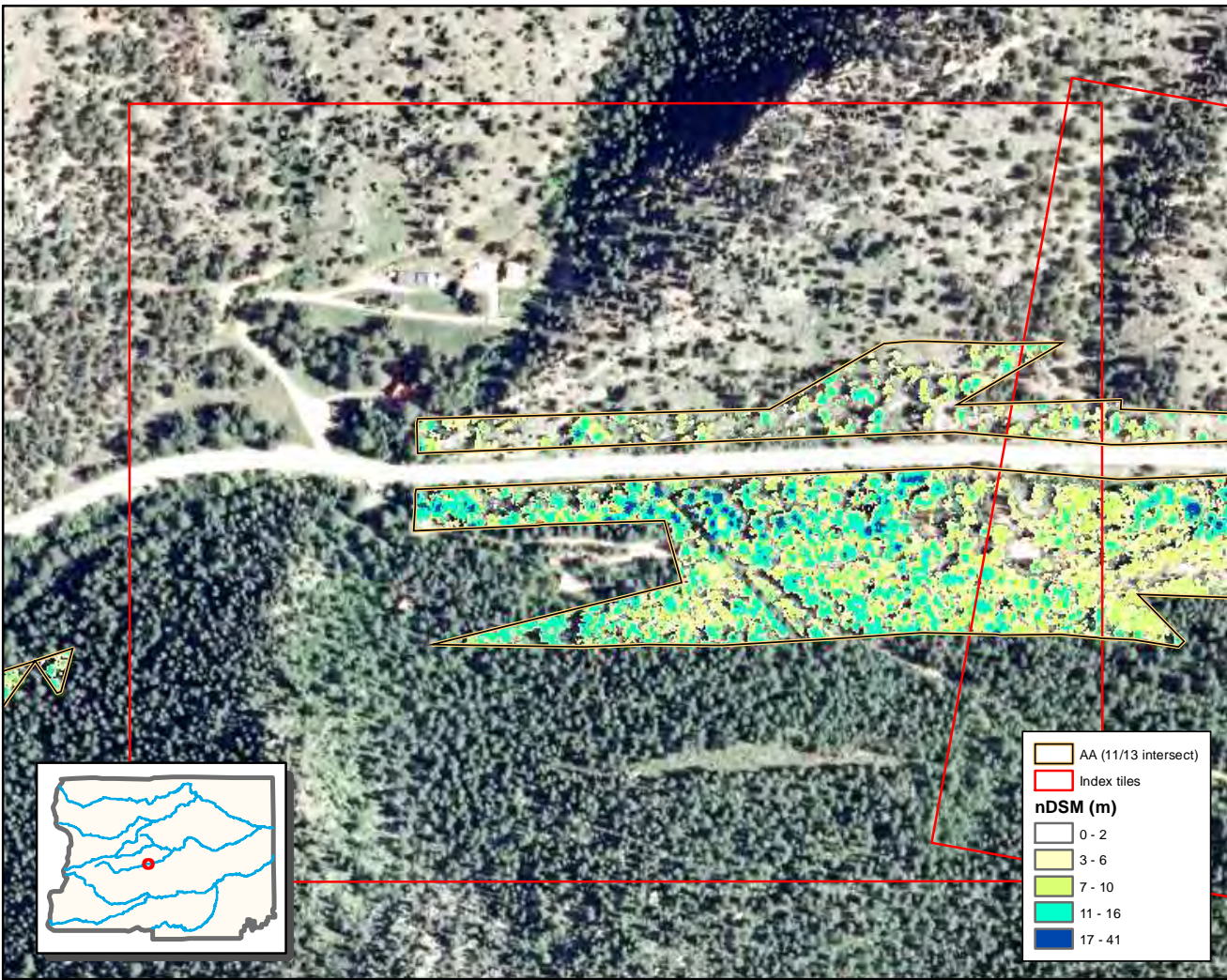


0 0.05 0.1 Km

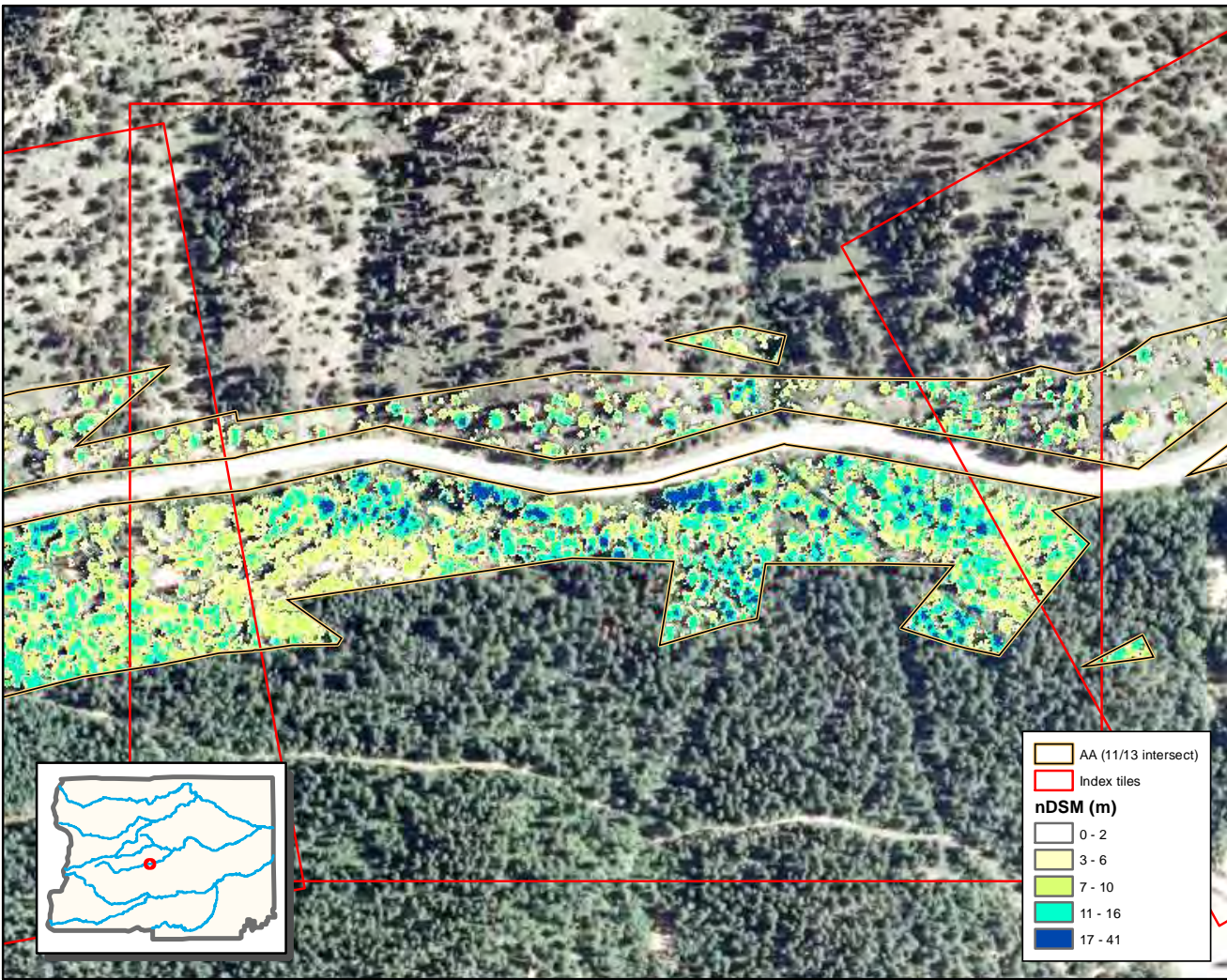
2011 nDSM

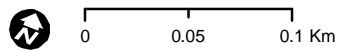
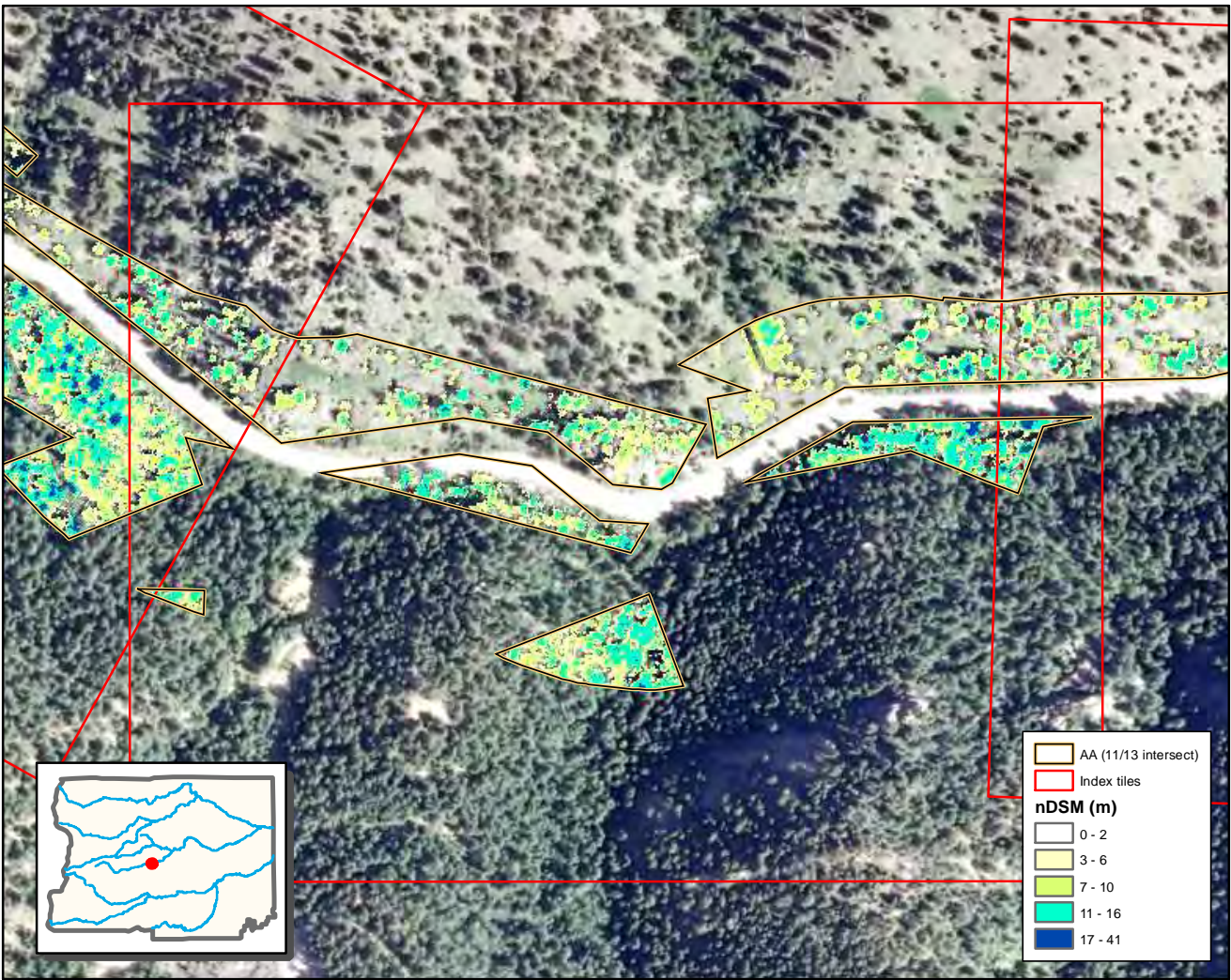


2011 nDSM

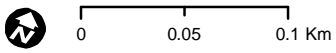
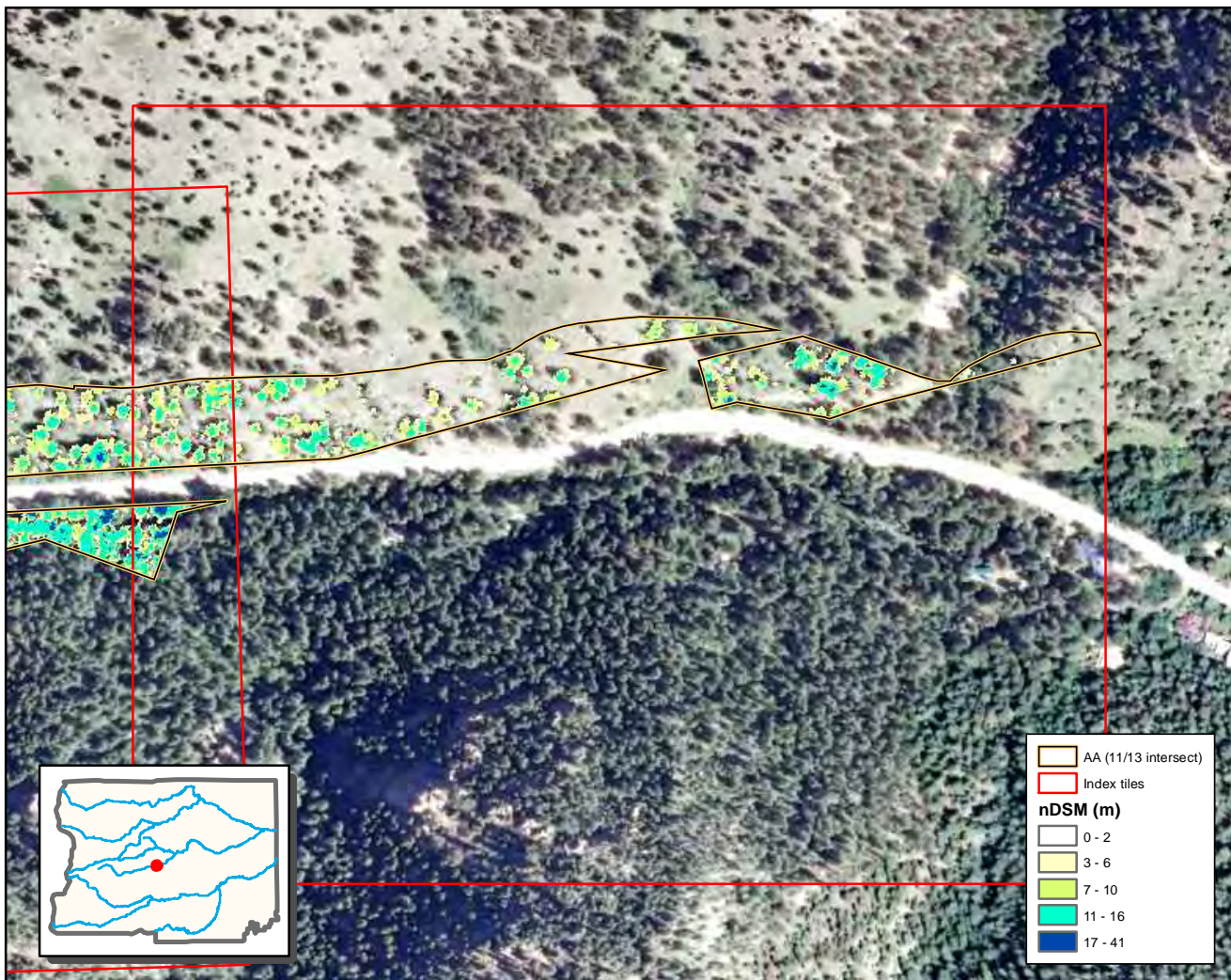


2011 nDSM



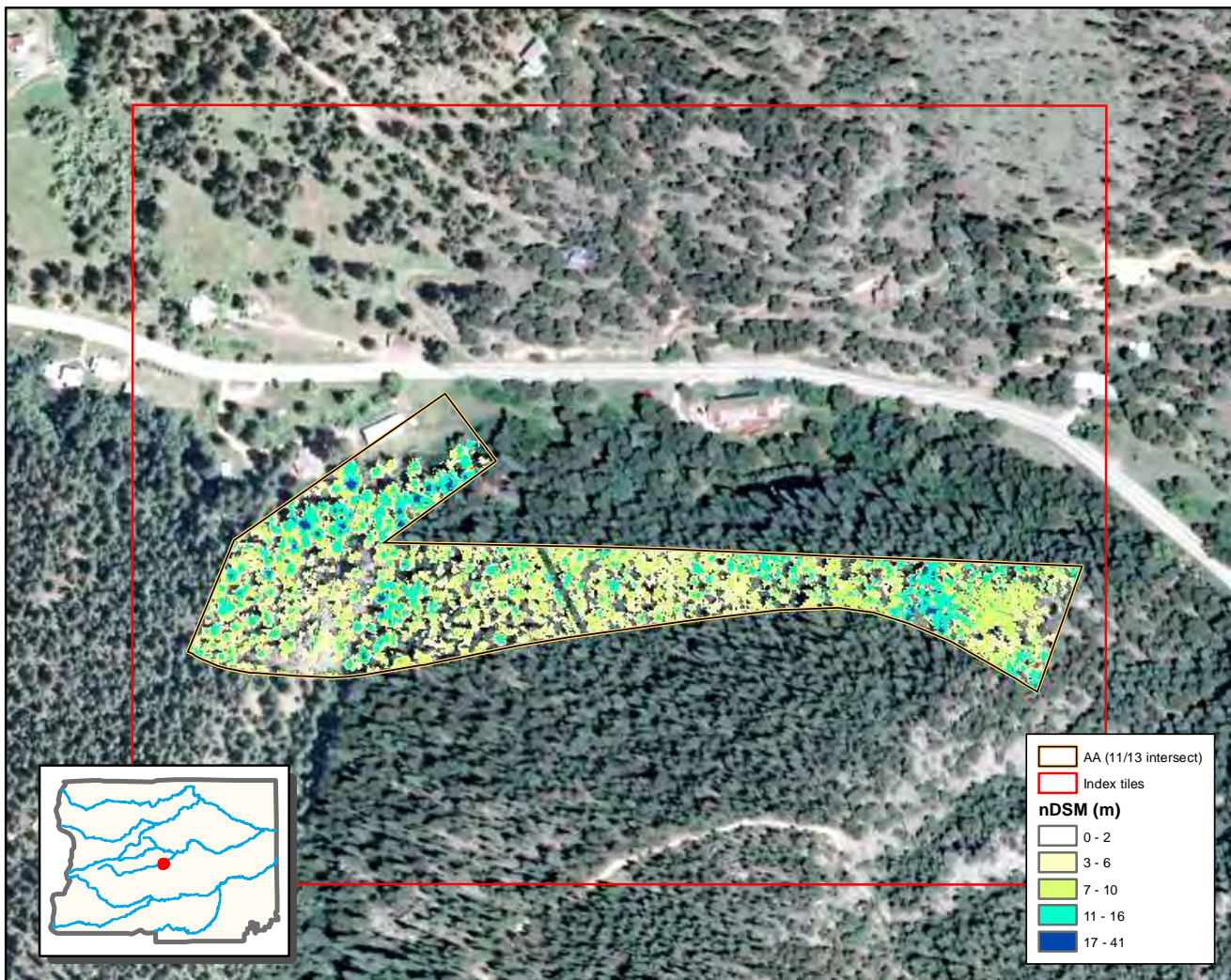









2011 nDSM

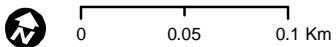
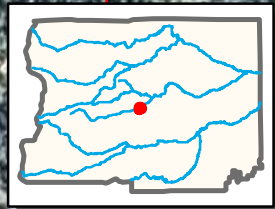


2011 nDSM

Tile 36



	AA (11/13 intersect)
	Index tiles
nDSM (m)	
	0 - 2
	3 - 6
	7 - 10
	11 - 16
	17 - 41



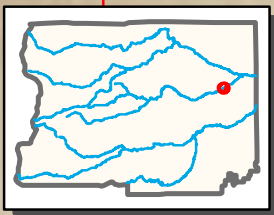
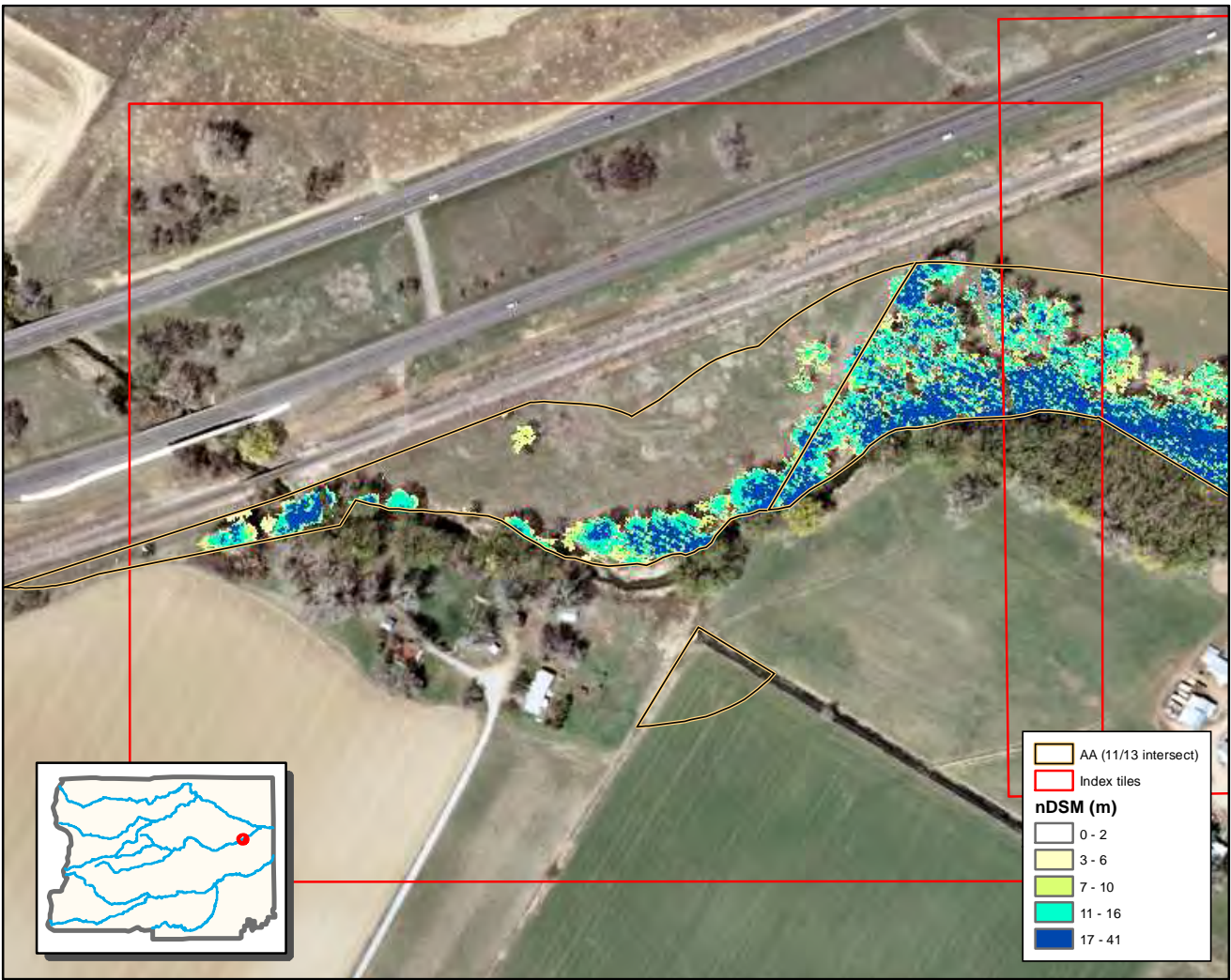
2011 nDSM



0 0.05 0.1 Km

2011 nDSM

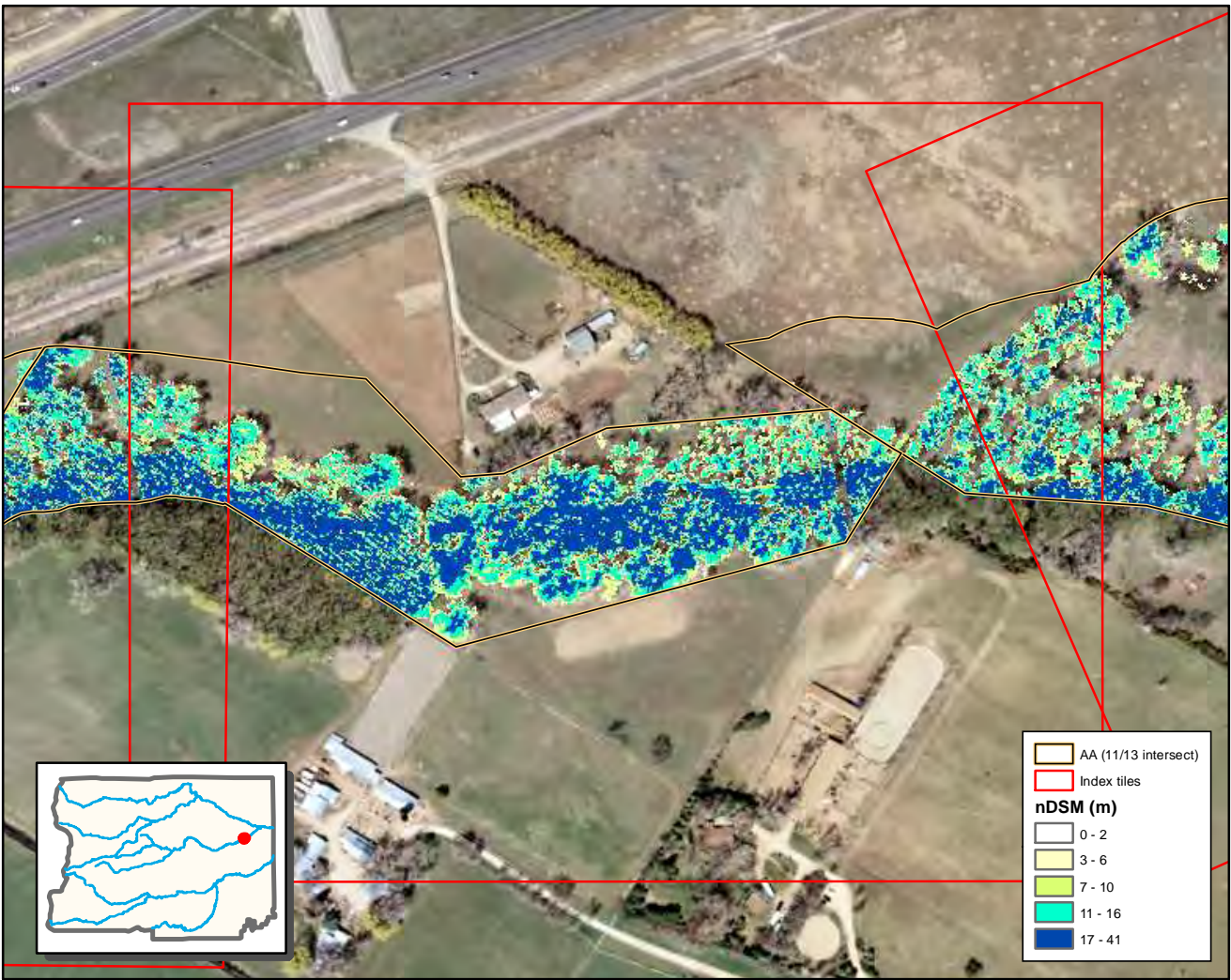
Tile 40



0 0.05 0.1 Km

2011 nDSM

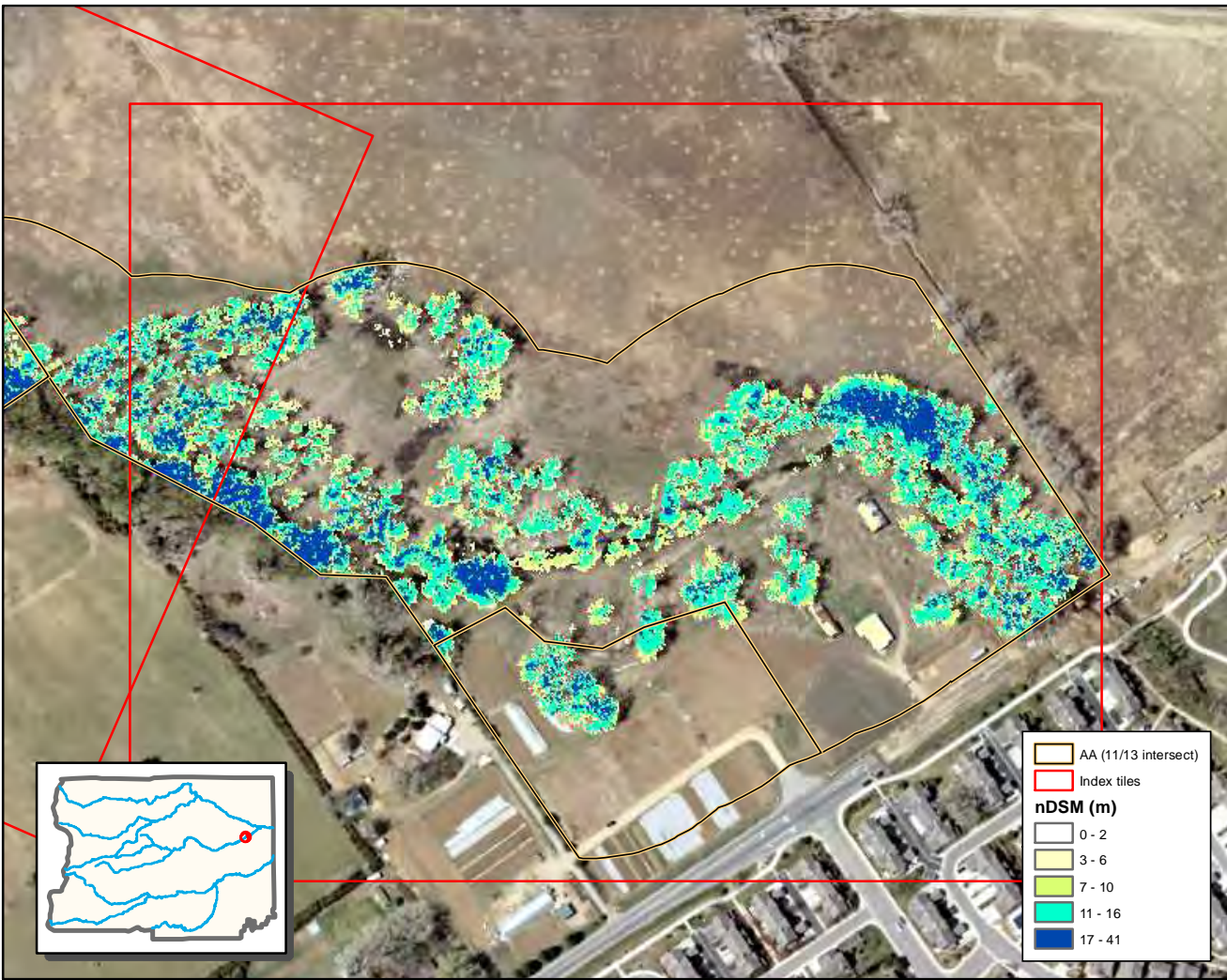
Tile 43










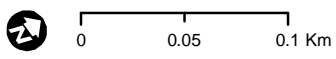
0 0.05 0.1 Km

2011 nDSM

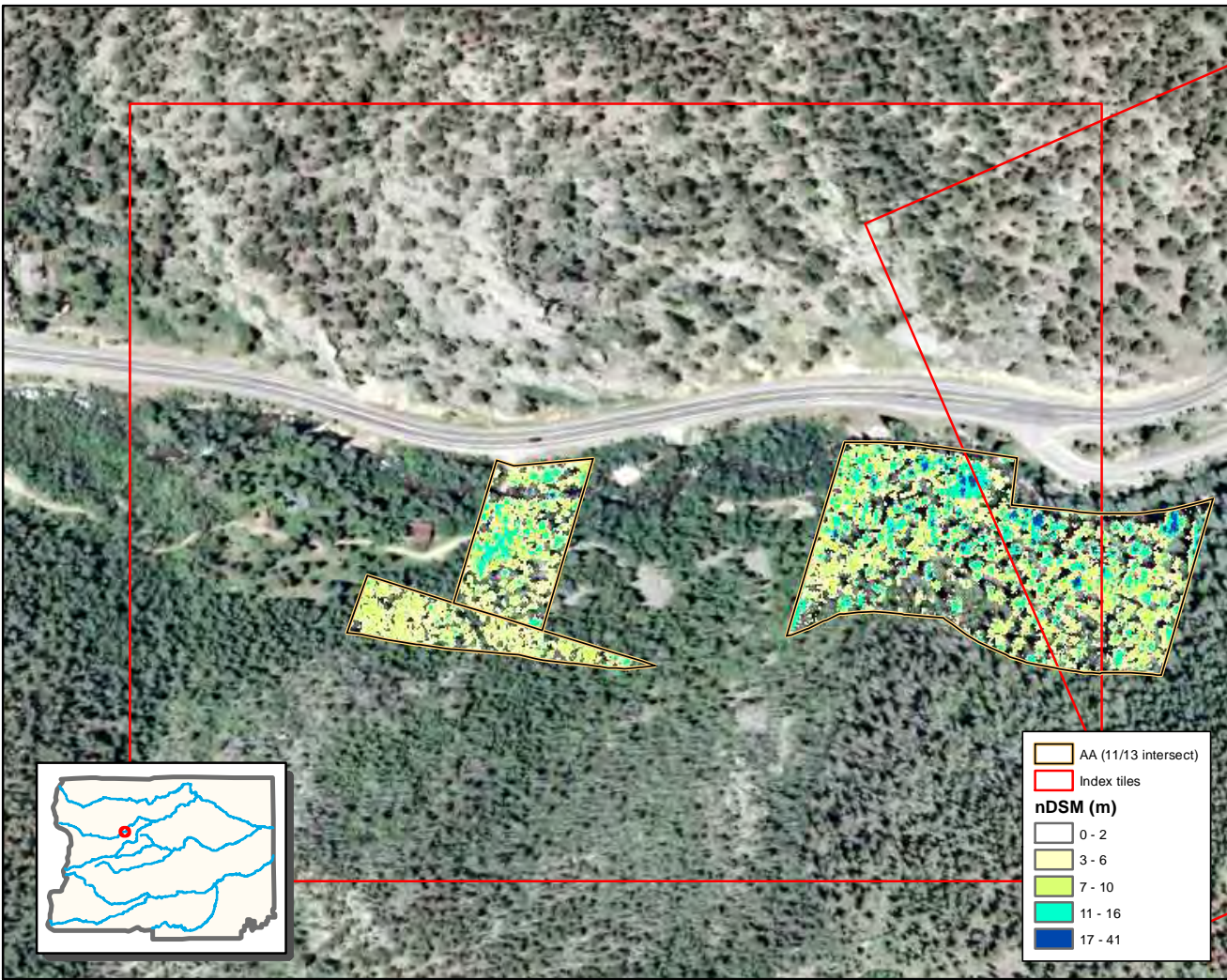
Tile 44



	AA (11/13 intersect)
	Index tiles
nDSM (m)	
	0 - 2
	3 - 6
	7 - 10
	11 - 16
	17 - 41



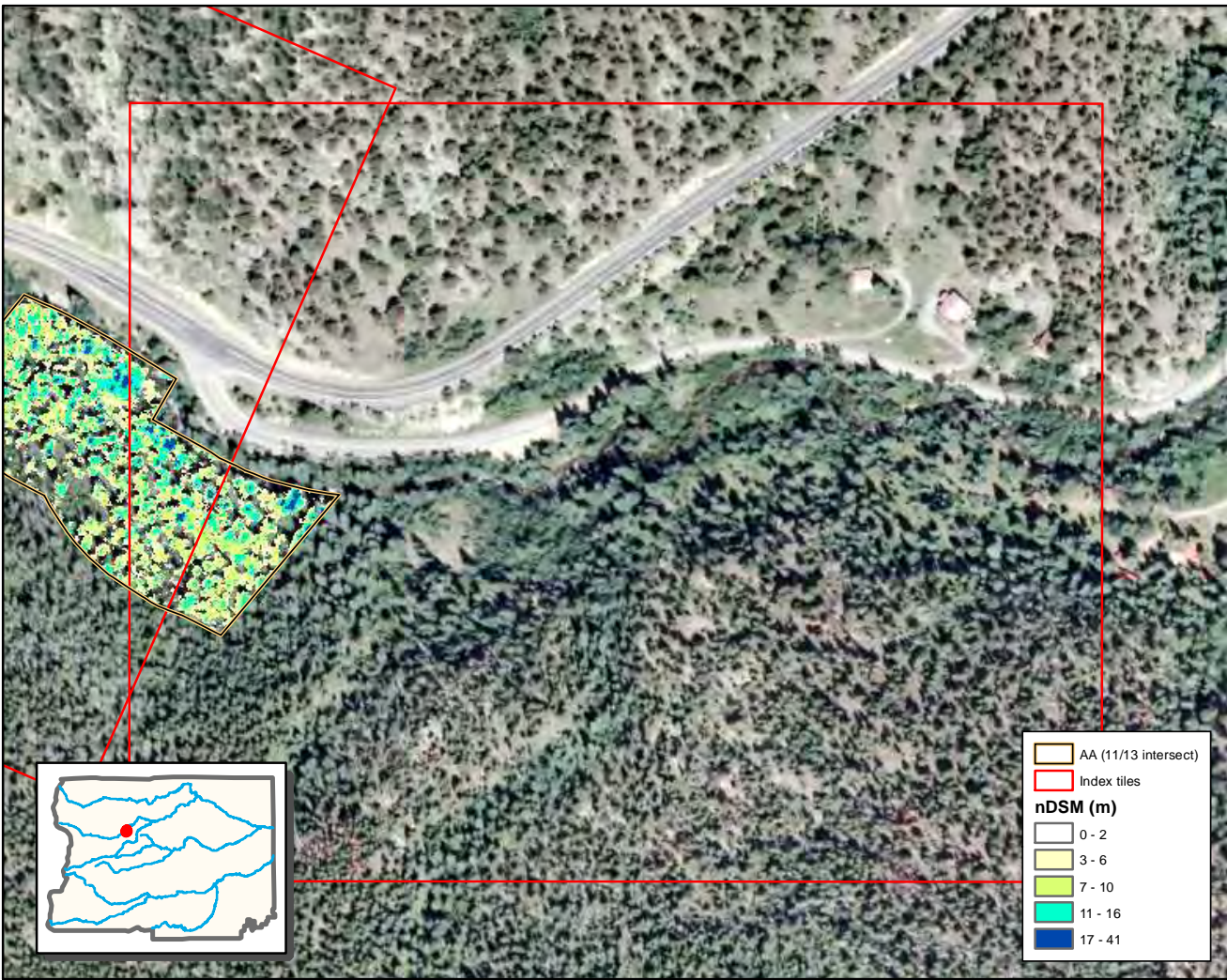
2011 nDSM



0 0.05 0.1 Km

2011 nDSM

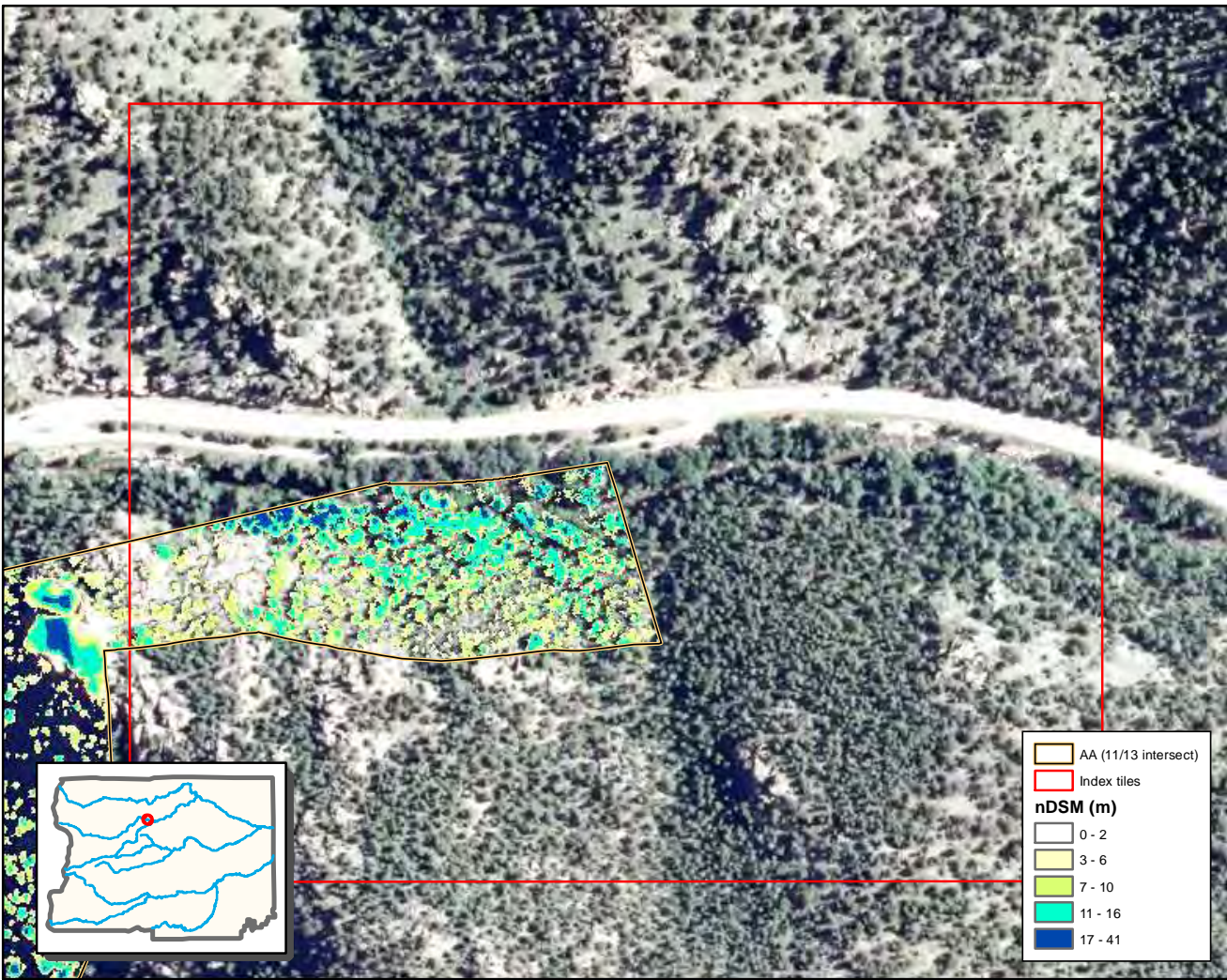
Tile 46



0 0.05 0.1 Km

2011 nDSM

Tile 47



0 0.05 0.1 Km

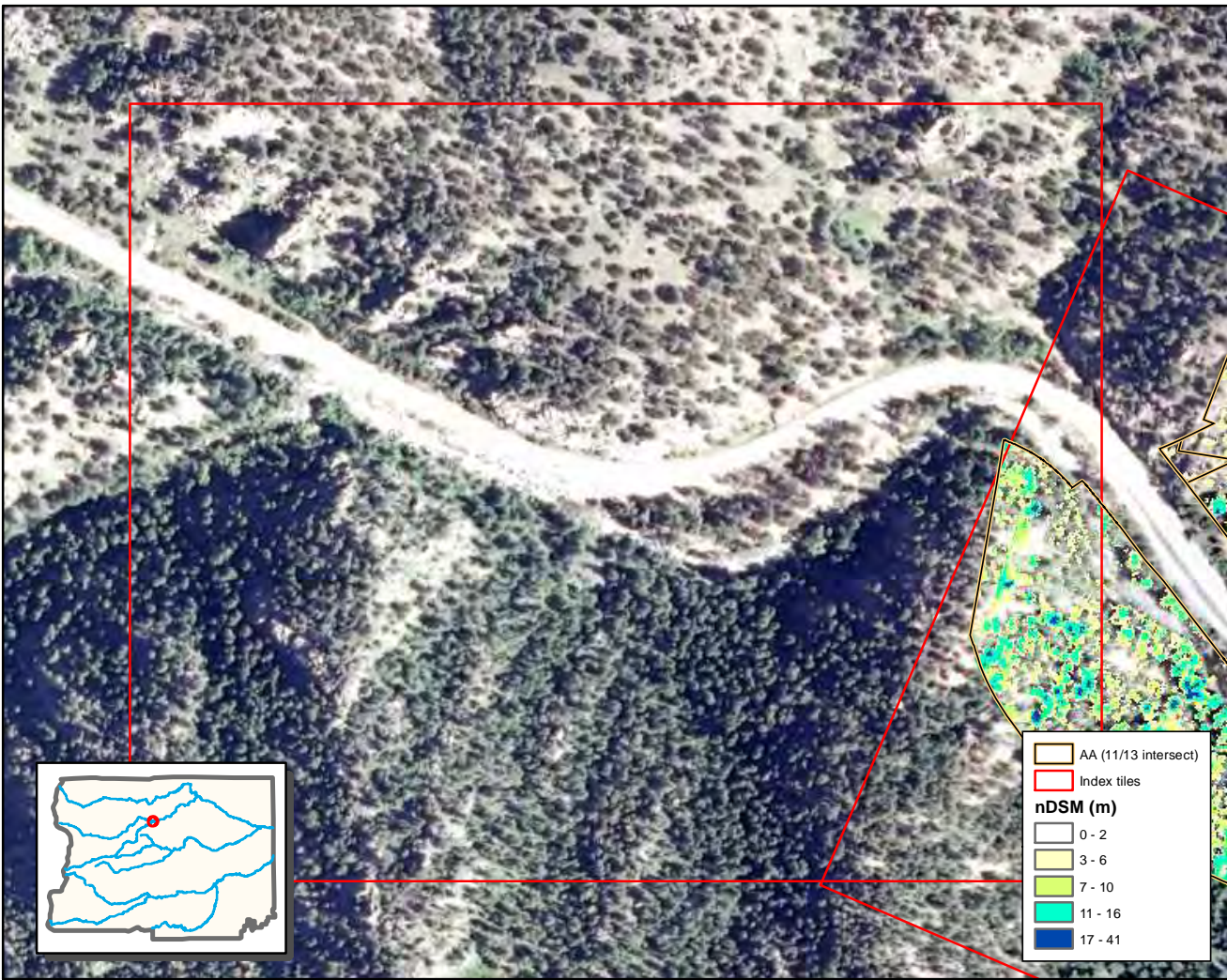
2011 nDSM



0 0.05 0.1 Km

2011 nDSM

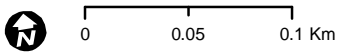
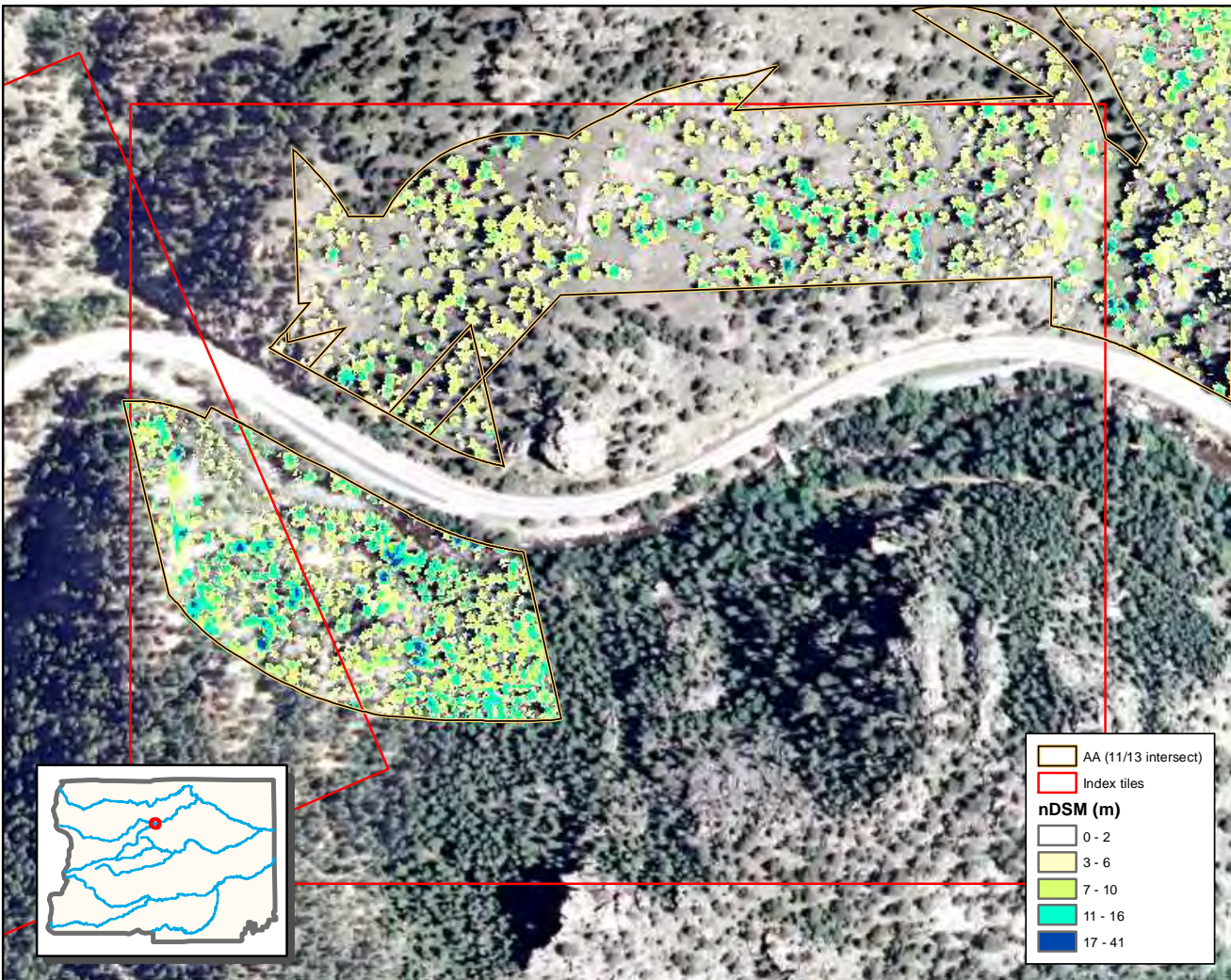
Tile 49



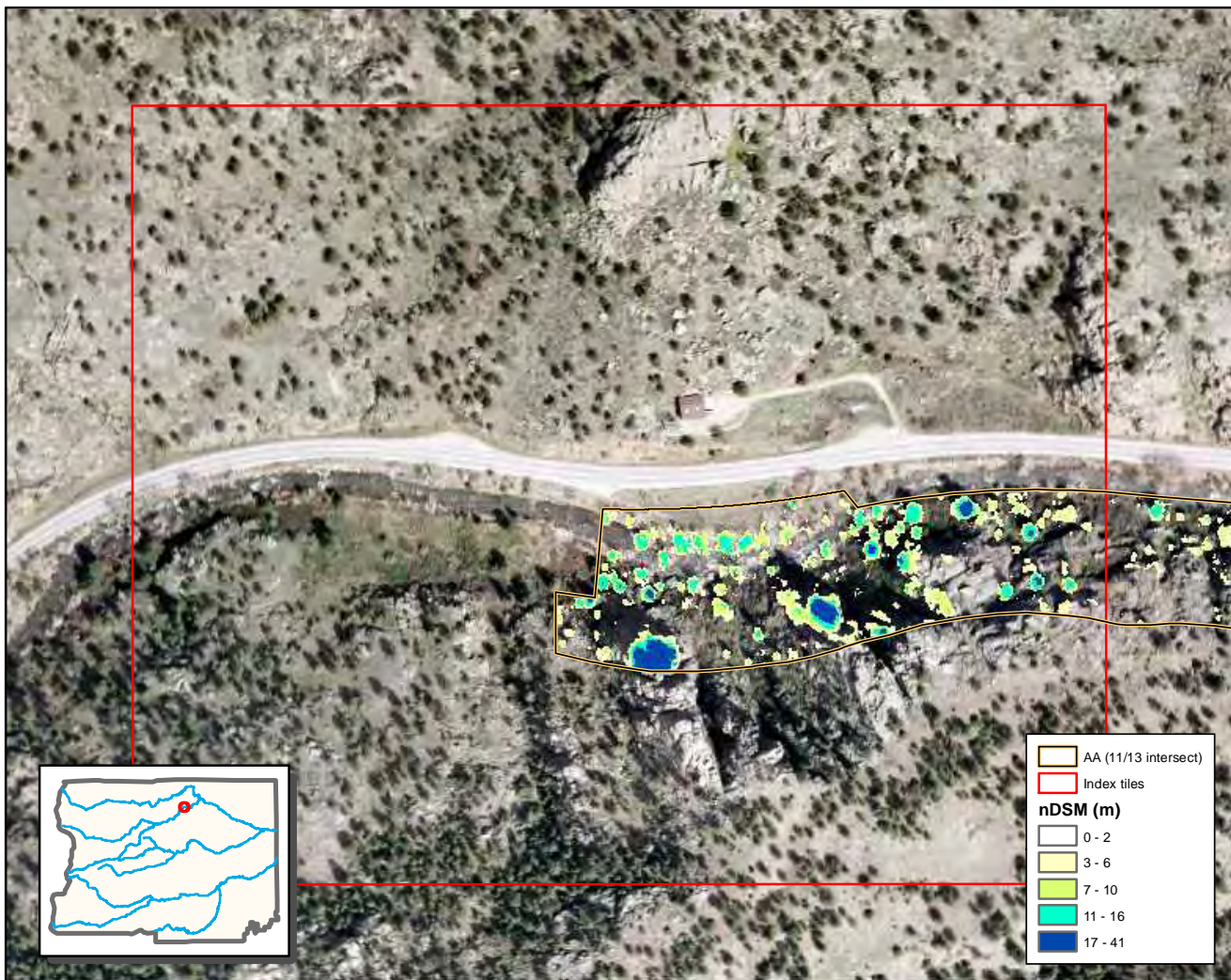
0 0.05 0.1 Km

2011 nDSM

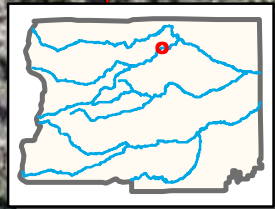
Tile 61



2011 nDSM



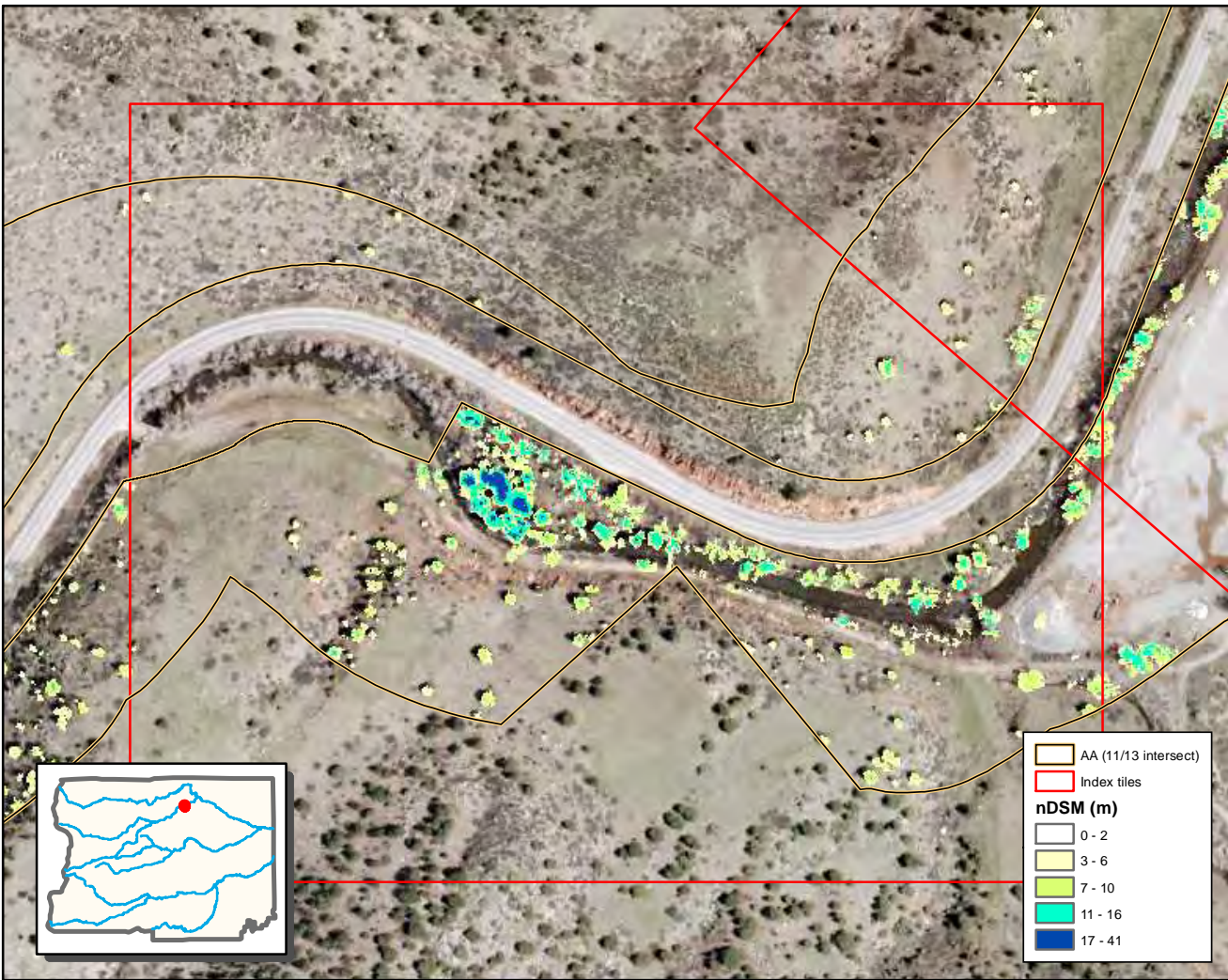
	AA (11/13 intersect)
	Index tiles
nDSM (m)	
	0 - 2
	3 - 6
	7 - 10
	11 - 16
	17 - 41



0 0.05 0.1 Km

2011 nDSM

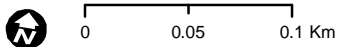
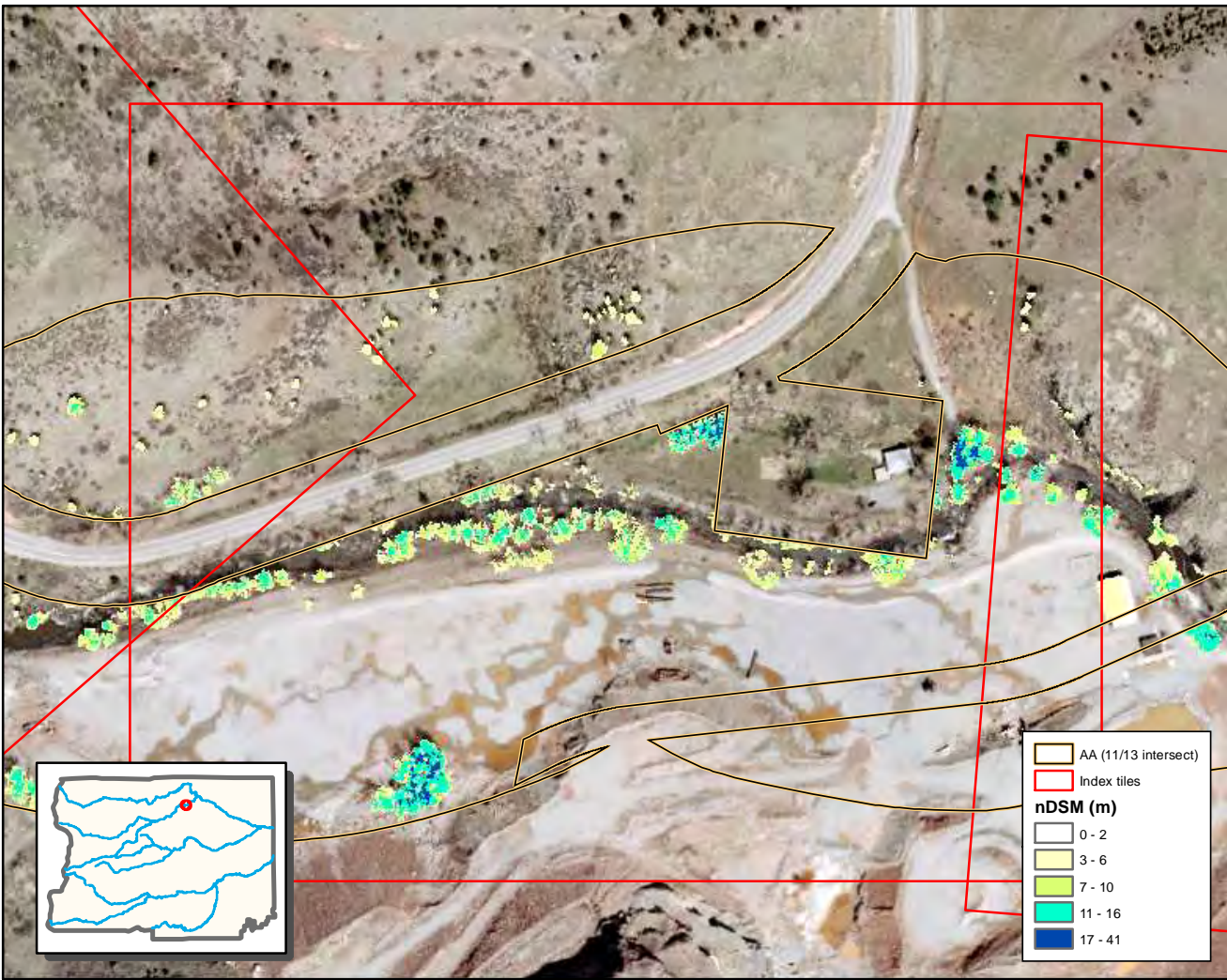
Tile 63



0 0.05 0.1 Km

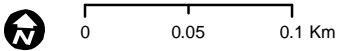
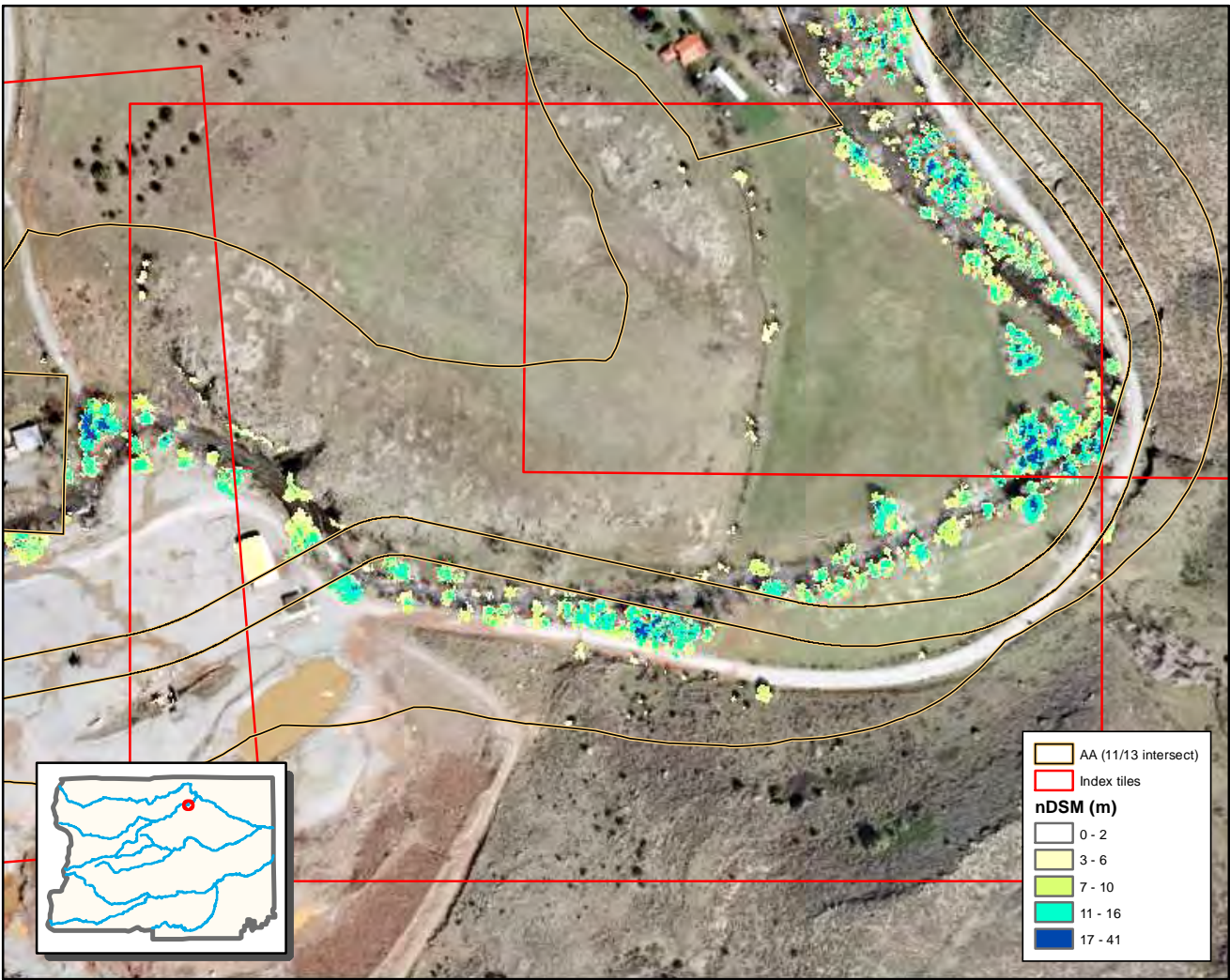
2011 nDSM

Tile 64



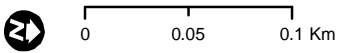
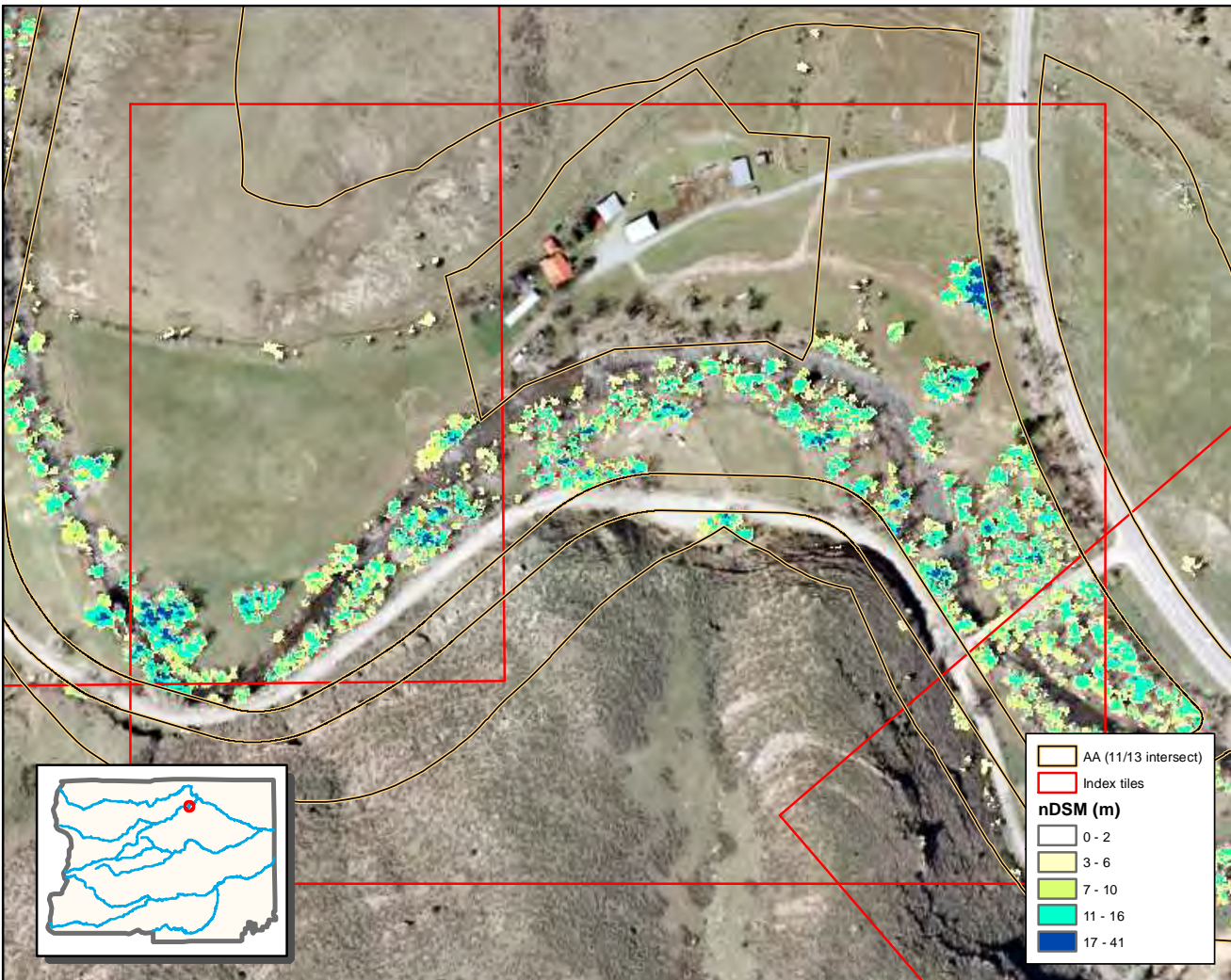
2011 nDSM

Tile 65



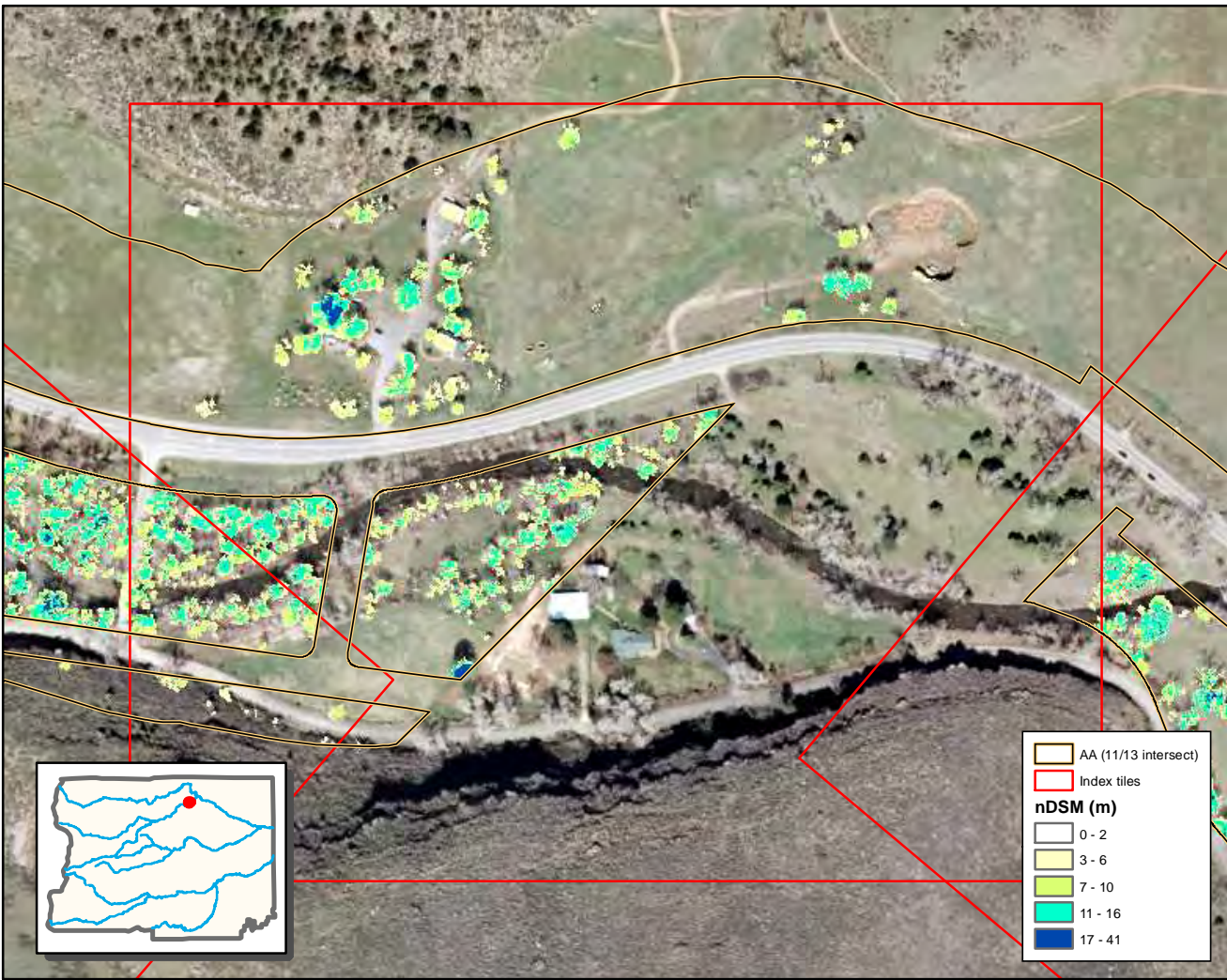
2011 nDSM

Tile 66



2011 nDSM

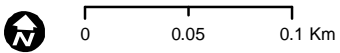
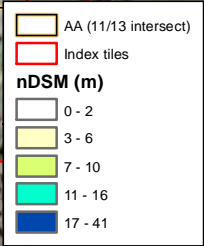
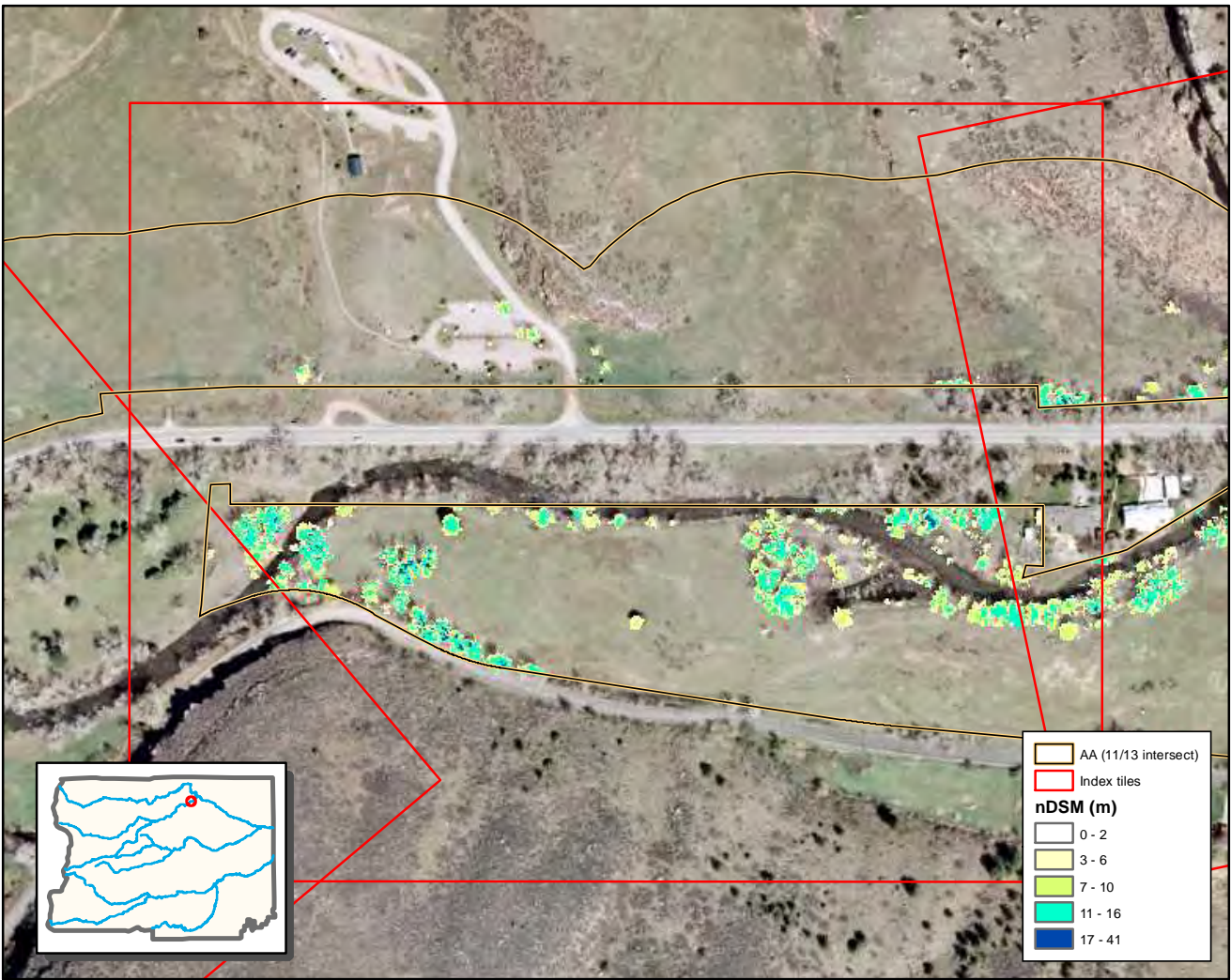
Tile 67



0 0.05 0.1 Km

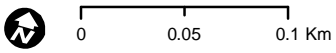
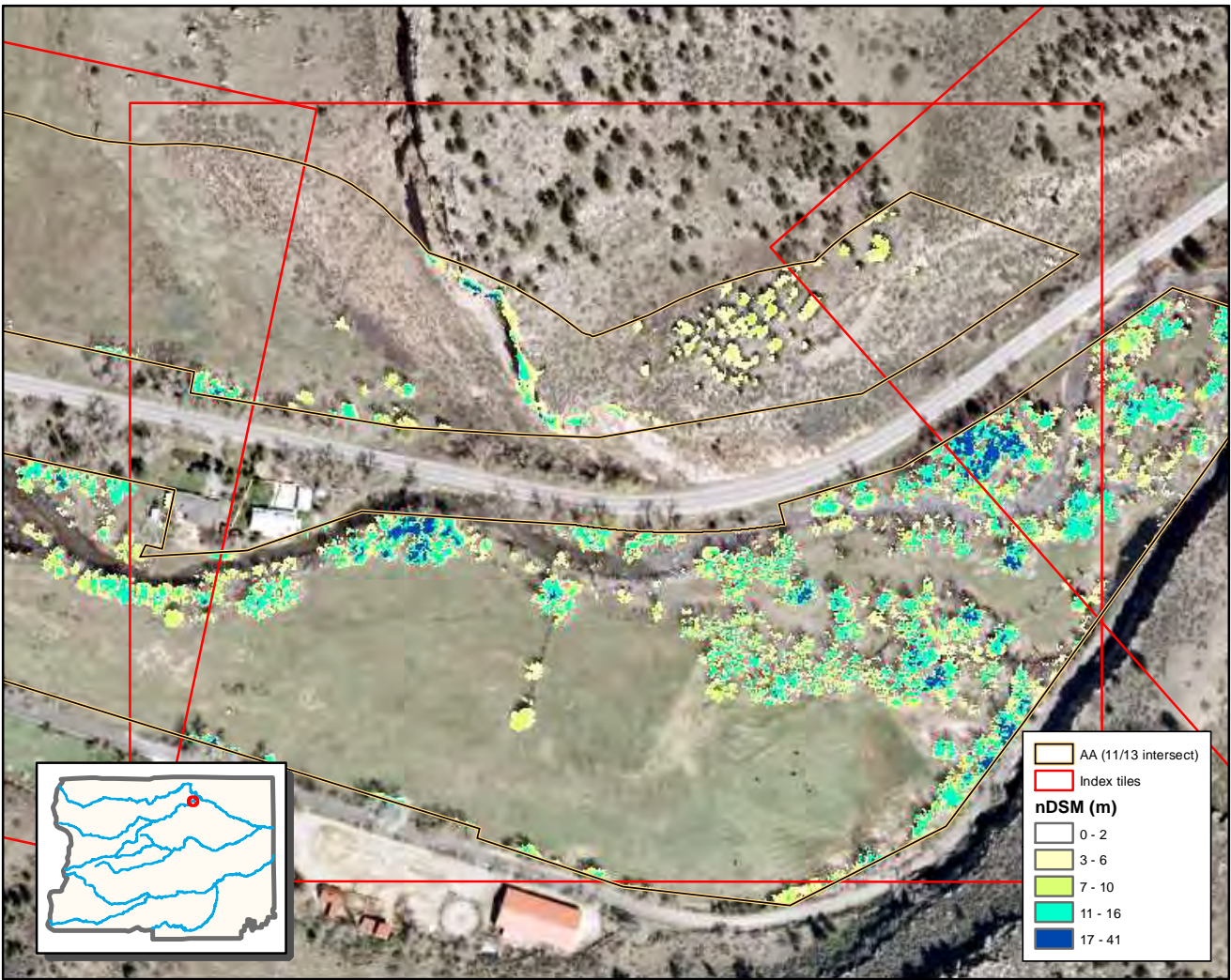
2011 nDSM

Tile 68



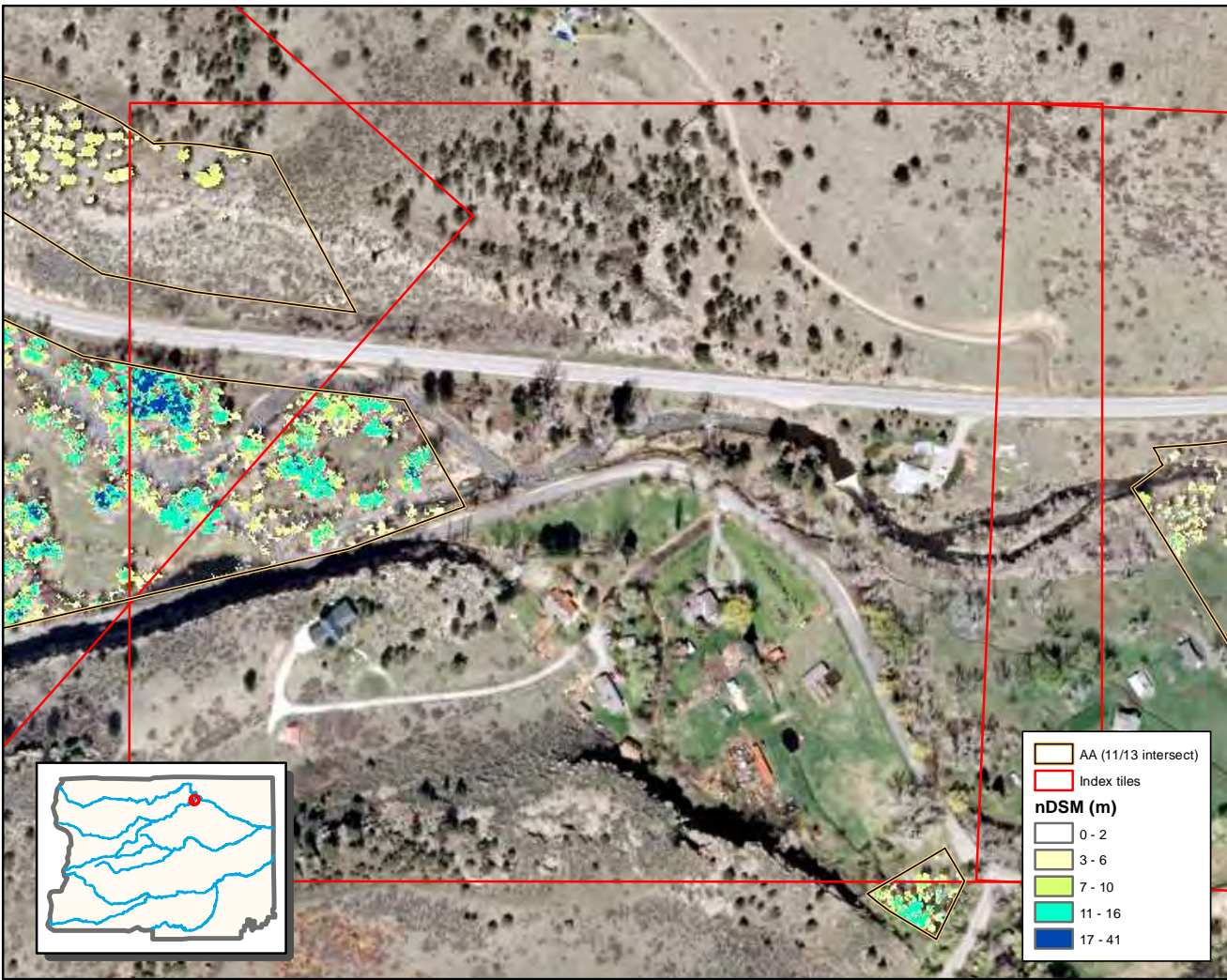
2011 nDSM

Tile 69



2011 nDSM

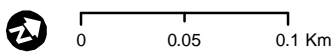
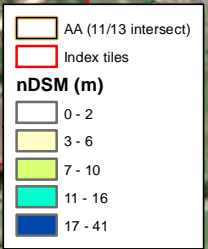
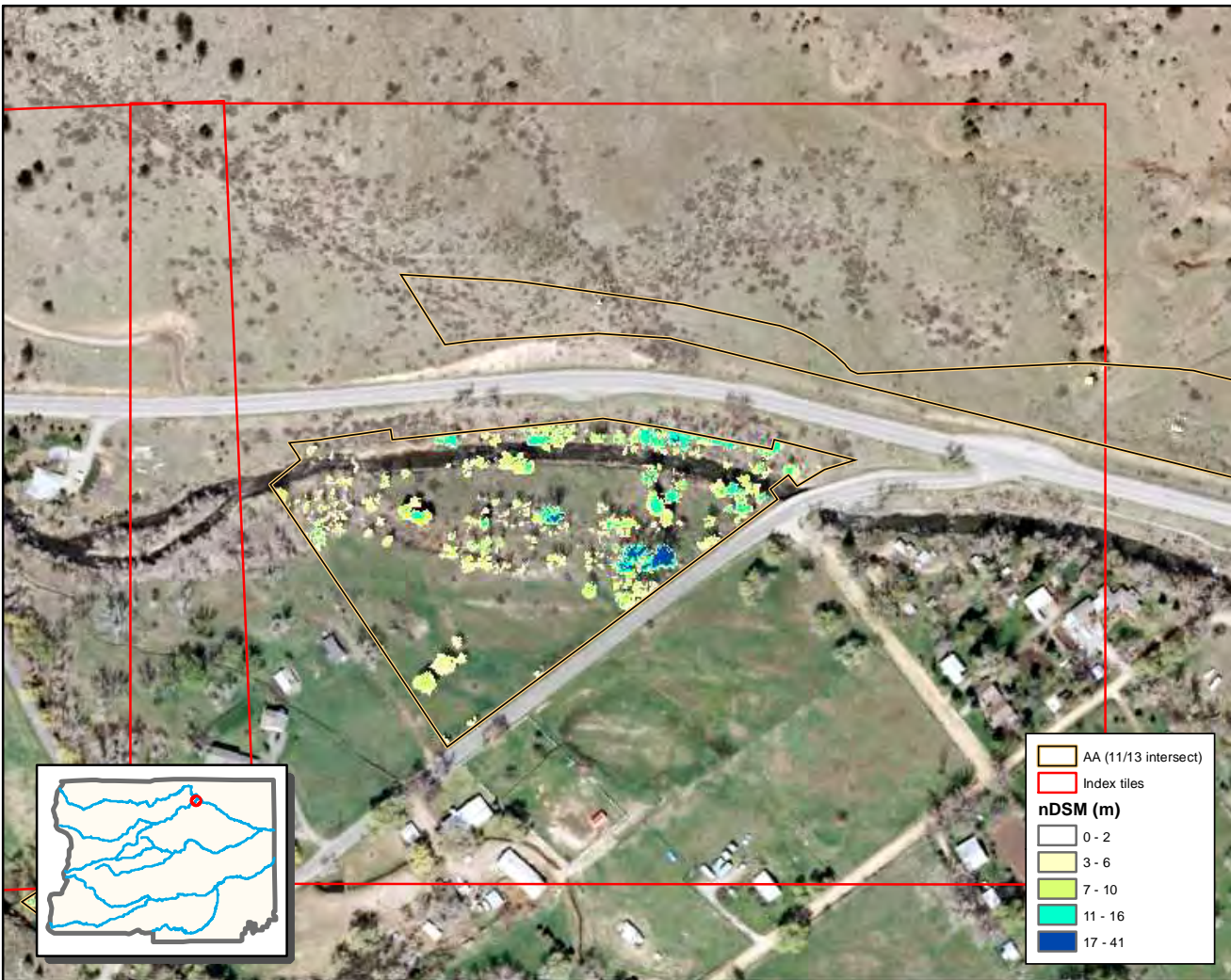
Tile 70



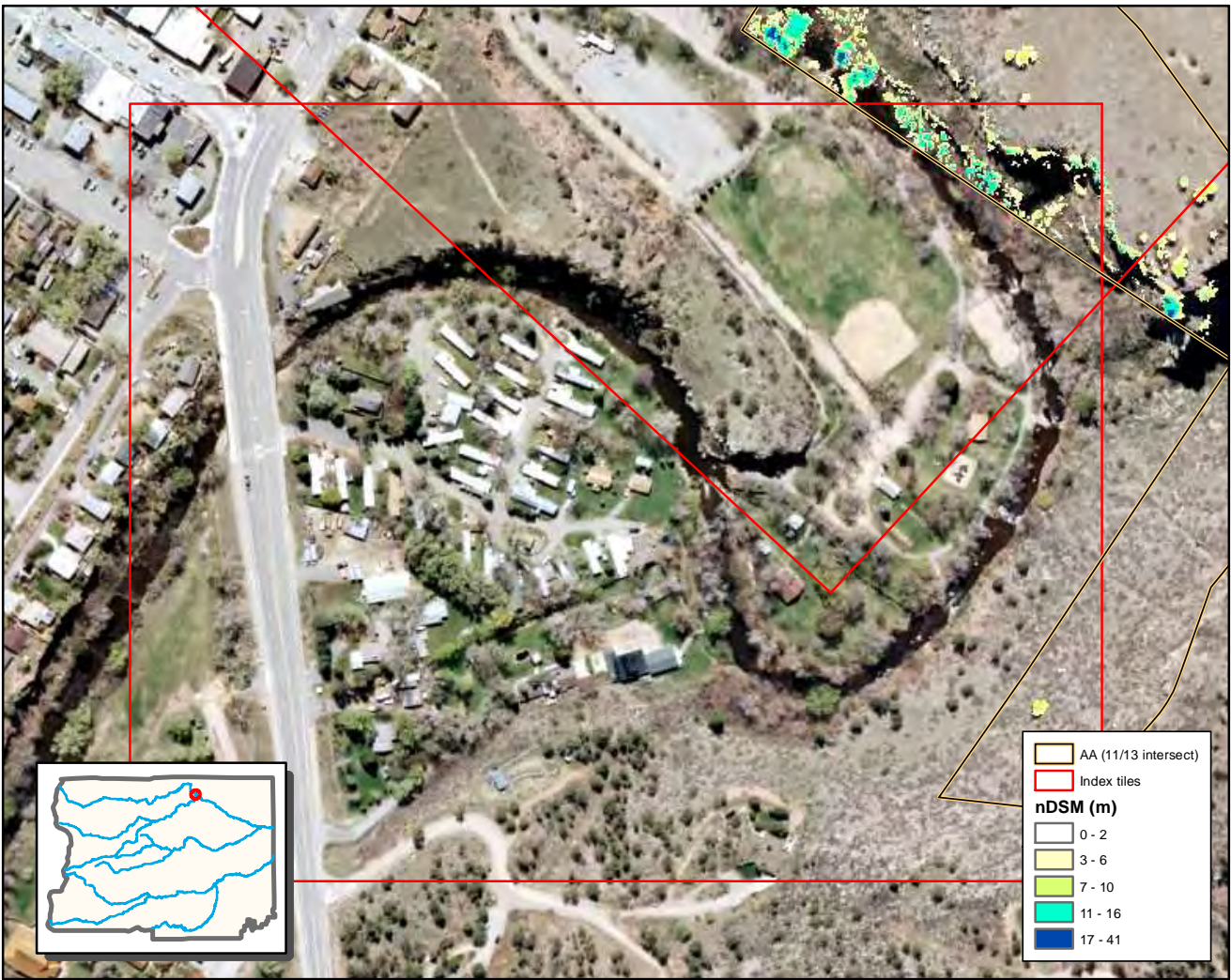
0 0.05 0.1 Km

2011 nDSM

Tile 71



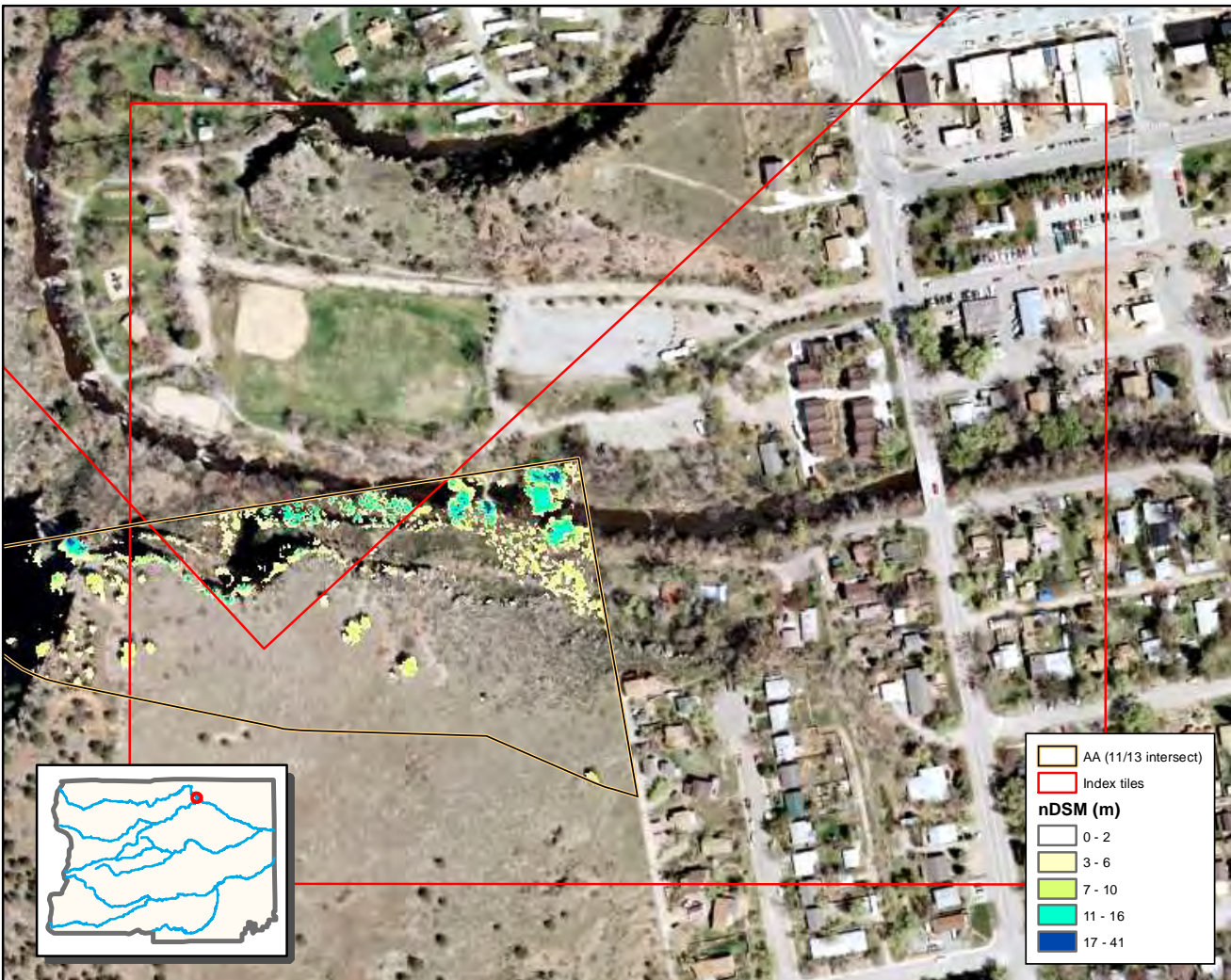
2011 nDSM










0 0.05 0.1 Km

2011 nDSM

Tile 73



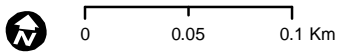
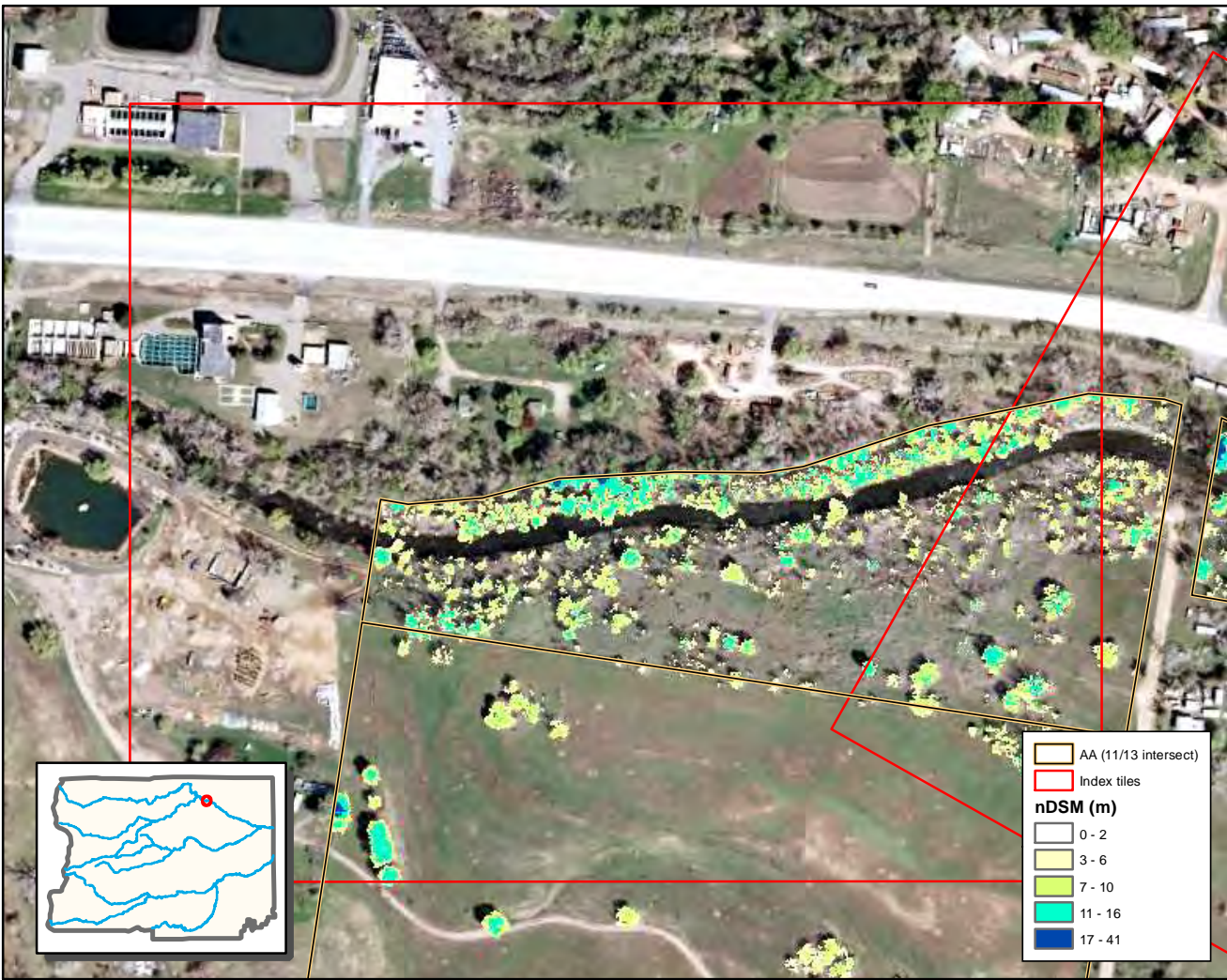
	AA (11/13 intersect)
	Index tiles
nDSM (m)	
	0 - 2
	3 - 6
	7 - 10
	11 - 16
	17 - 41



0 0.05 0.1 Km

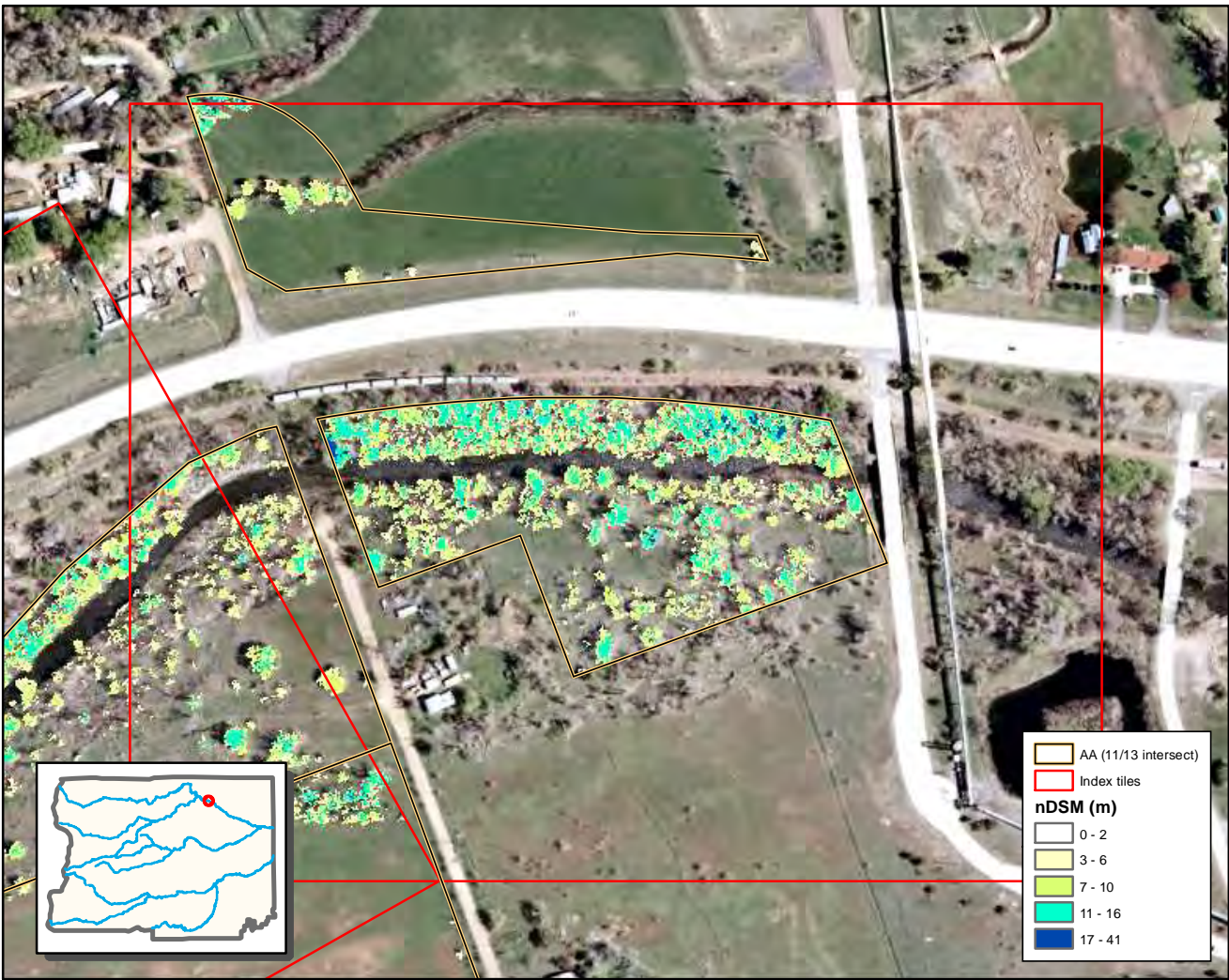
2011 nDSM

Tile 74



2011 nDSM

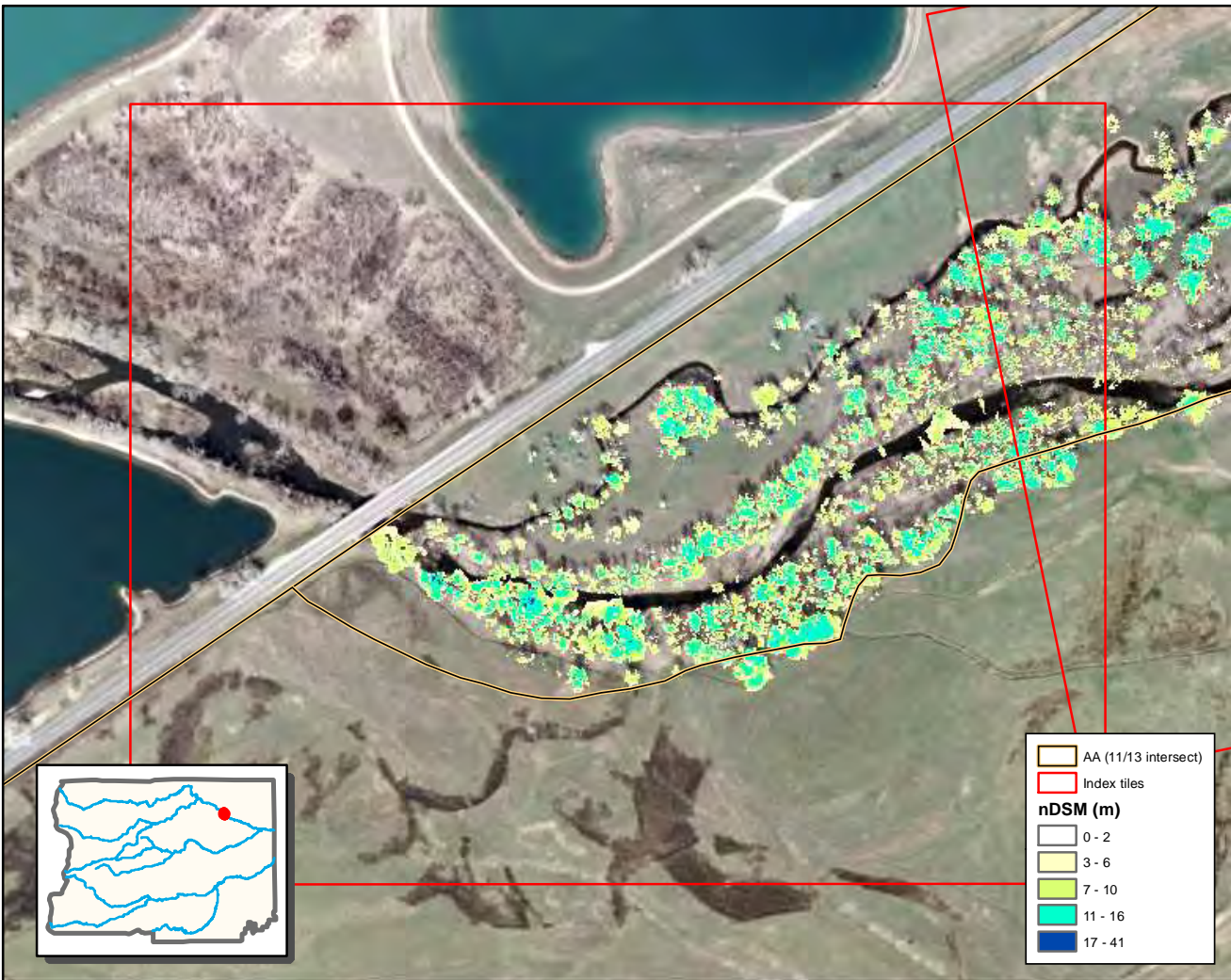
Tile 75



0 0.05 0.1 Km

2011 nDSM

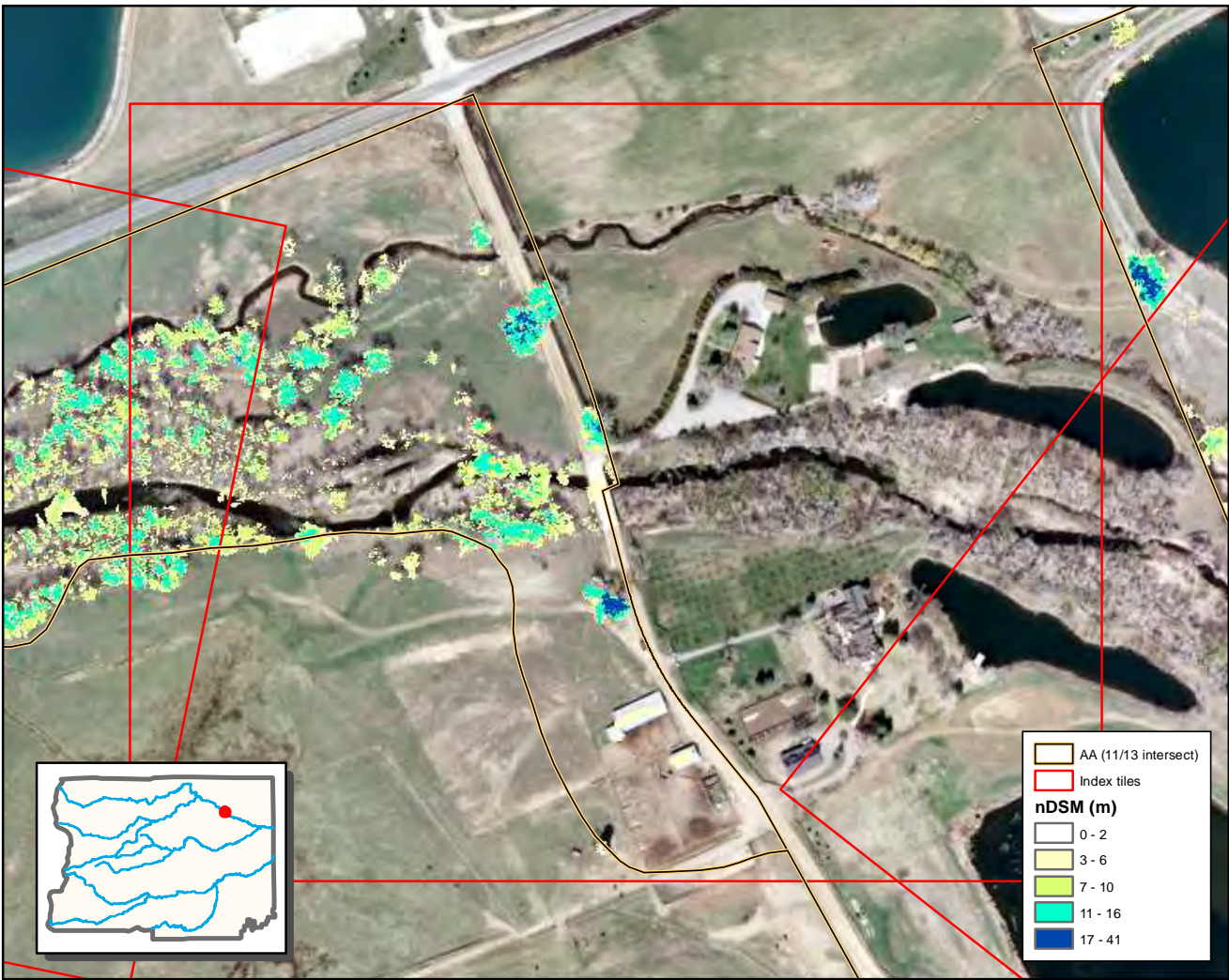
Tile 76



0 0.05 0.1 Km

2011 nDSM

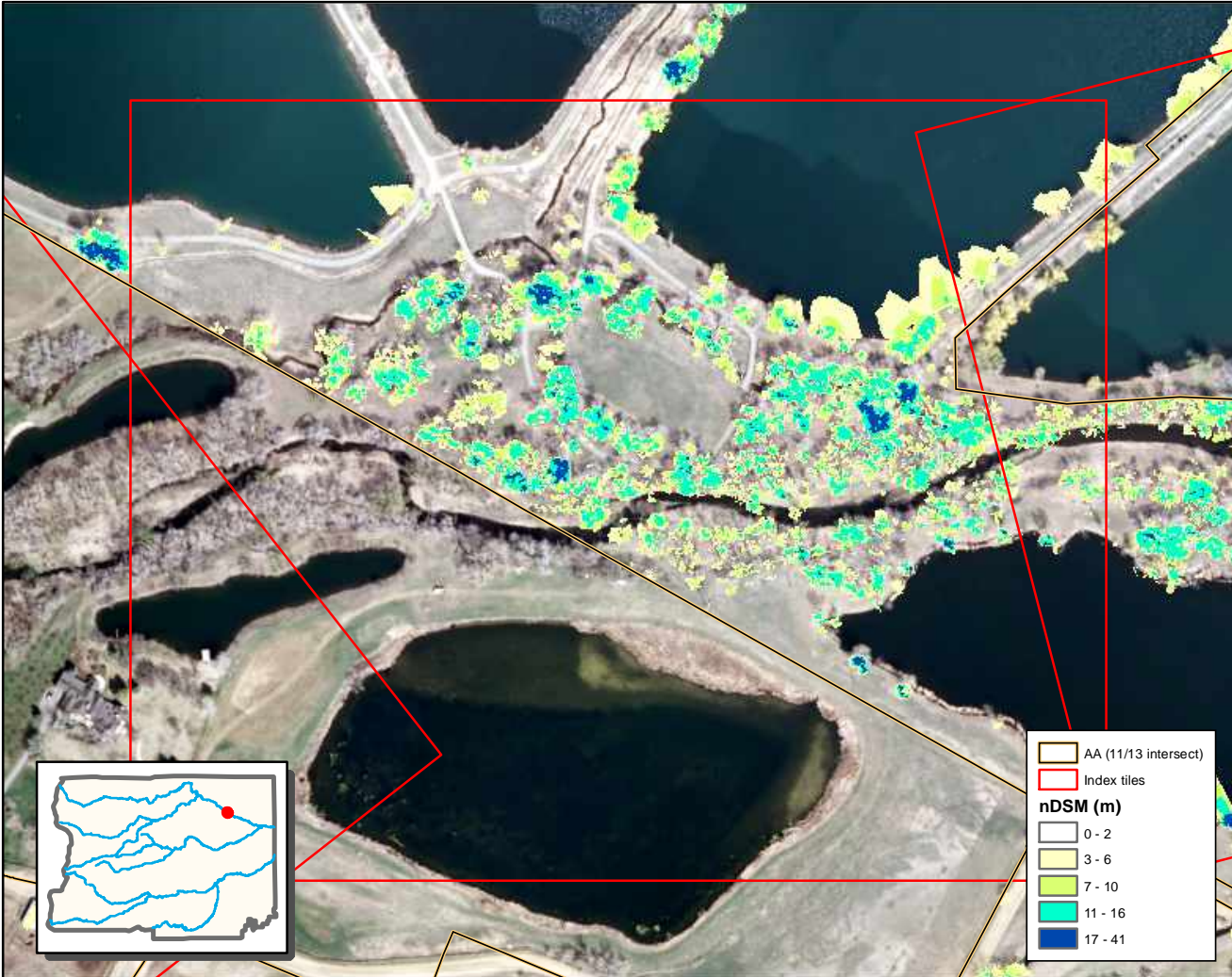
Tile 85



0 0.05 0.1 Km

2011 nDSM

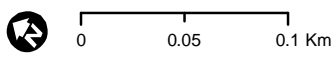
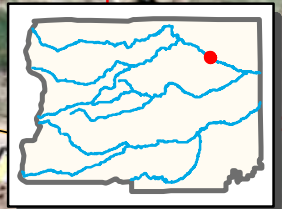
Tile 86



AA (11/13 intersect)
Index tiles

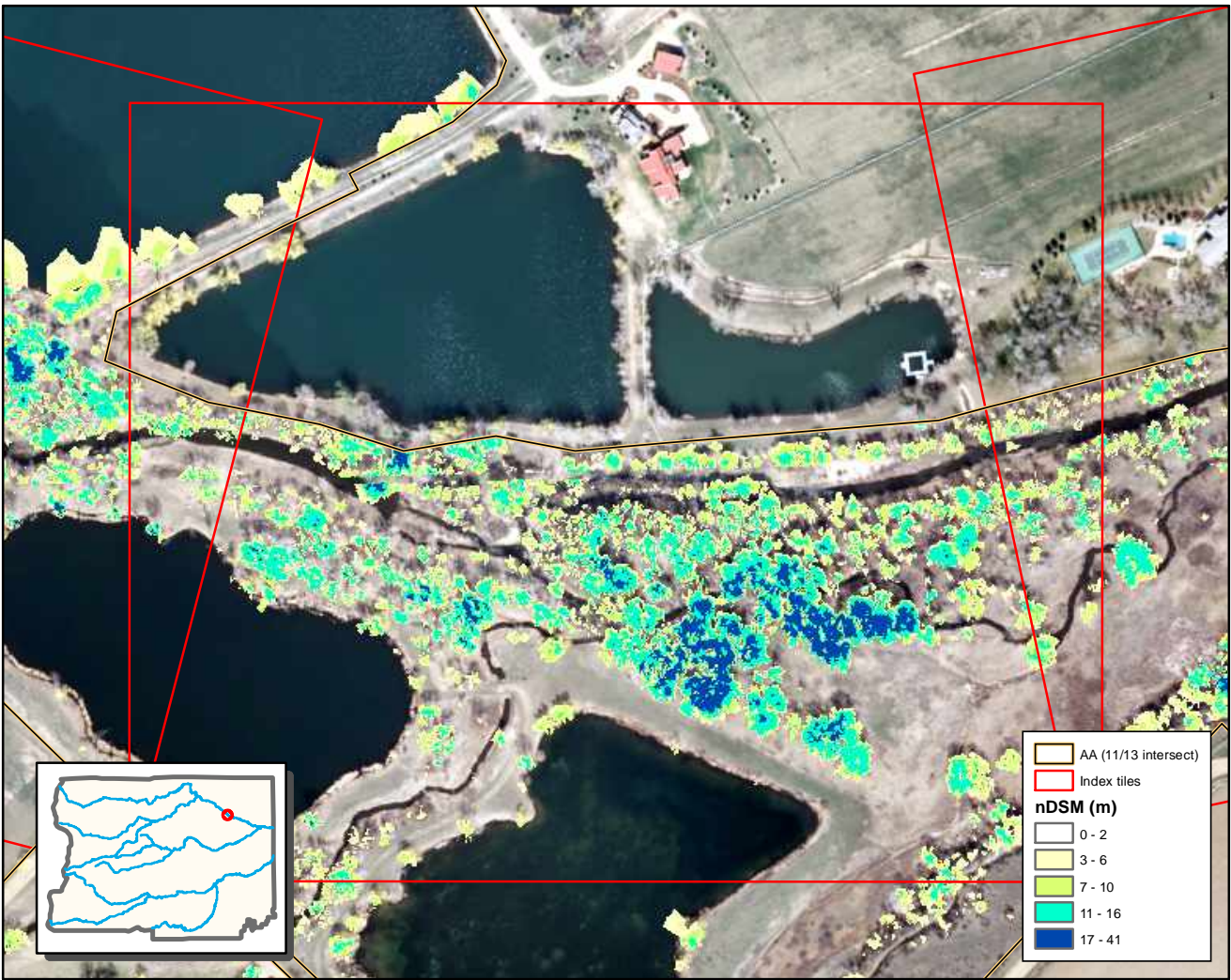
nDSM (m)

- 0 - 2
- 3 - 6
- 7 - 10
- 11 - 16
- 17 - 41



2011 nDSM

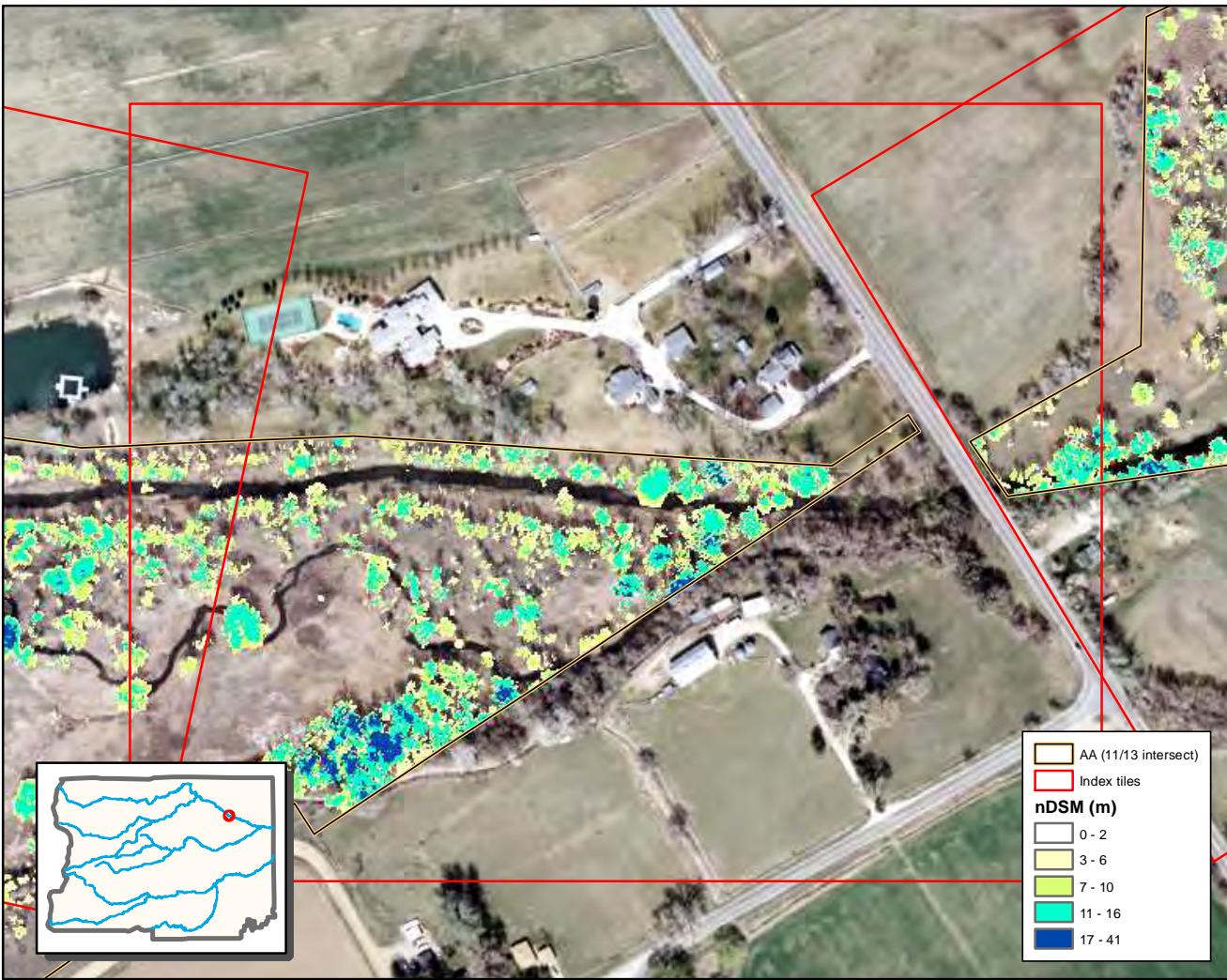
Tile 87



0 0.05 0.1 Km

2011 nDSM

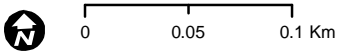
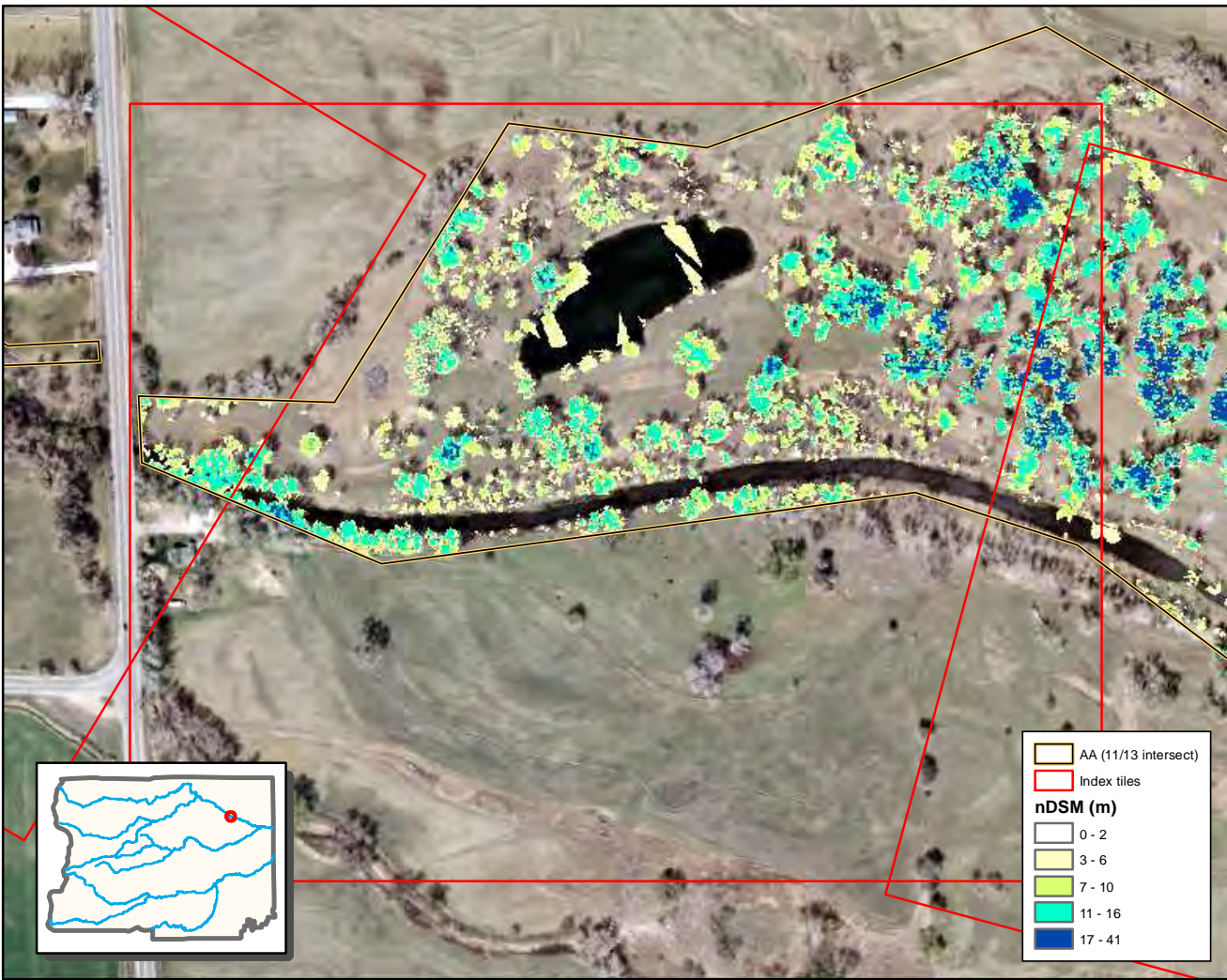
Tile 88



0 0.05 0.1 Km

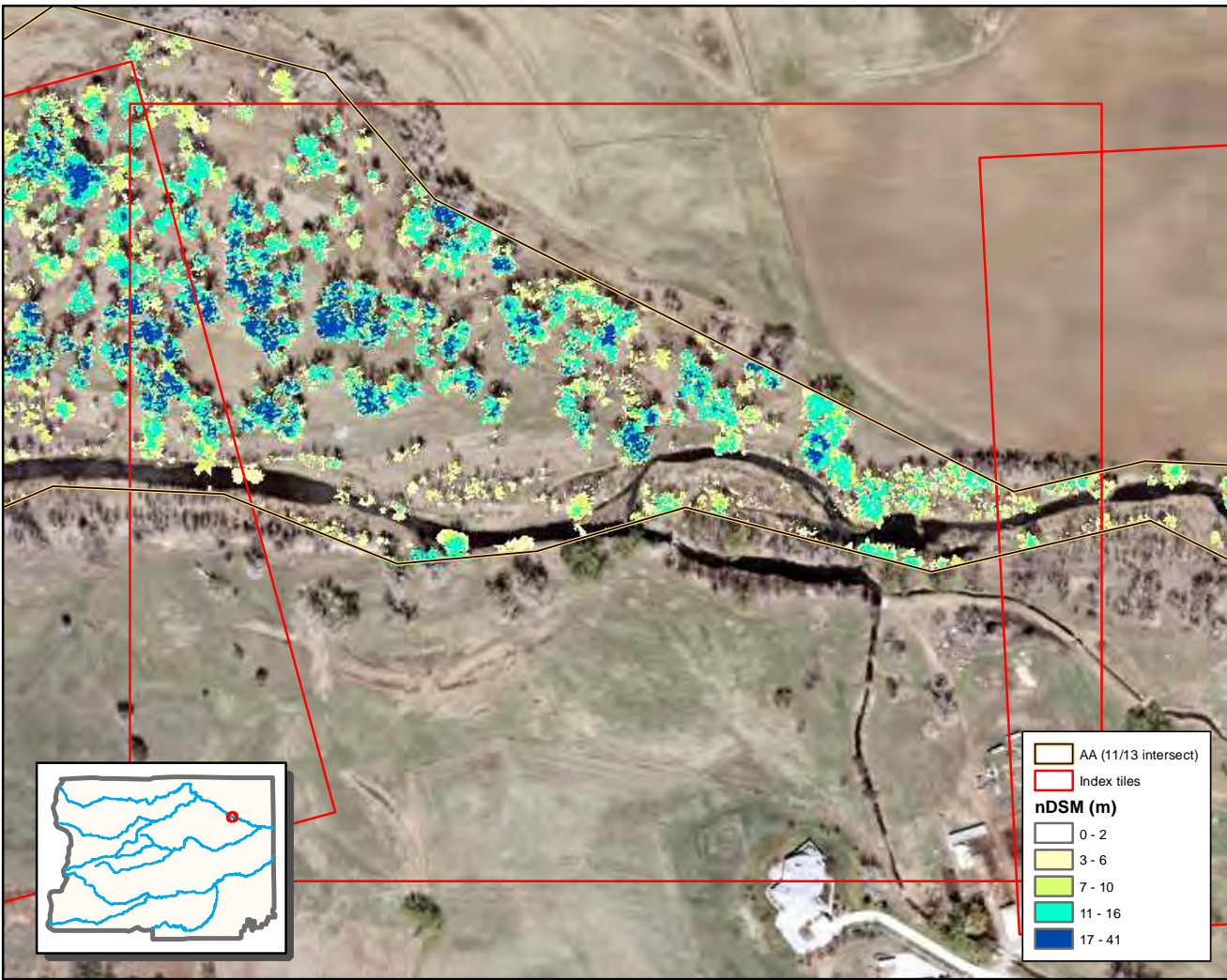
2011 nDSM

Tile 89



2011 nDSM

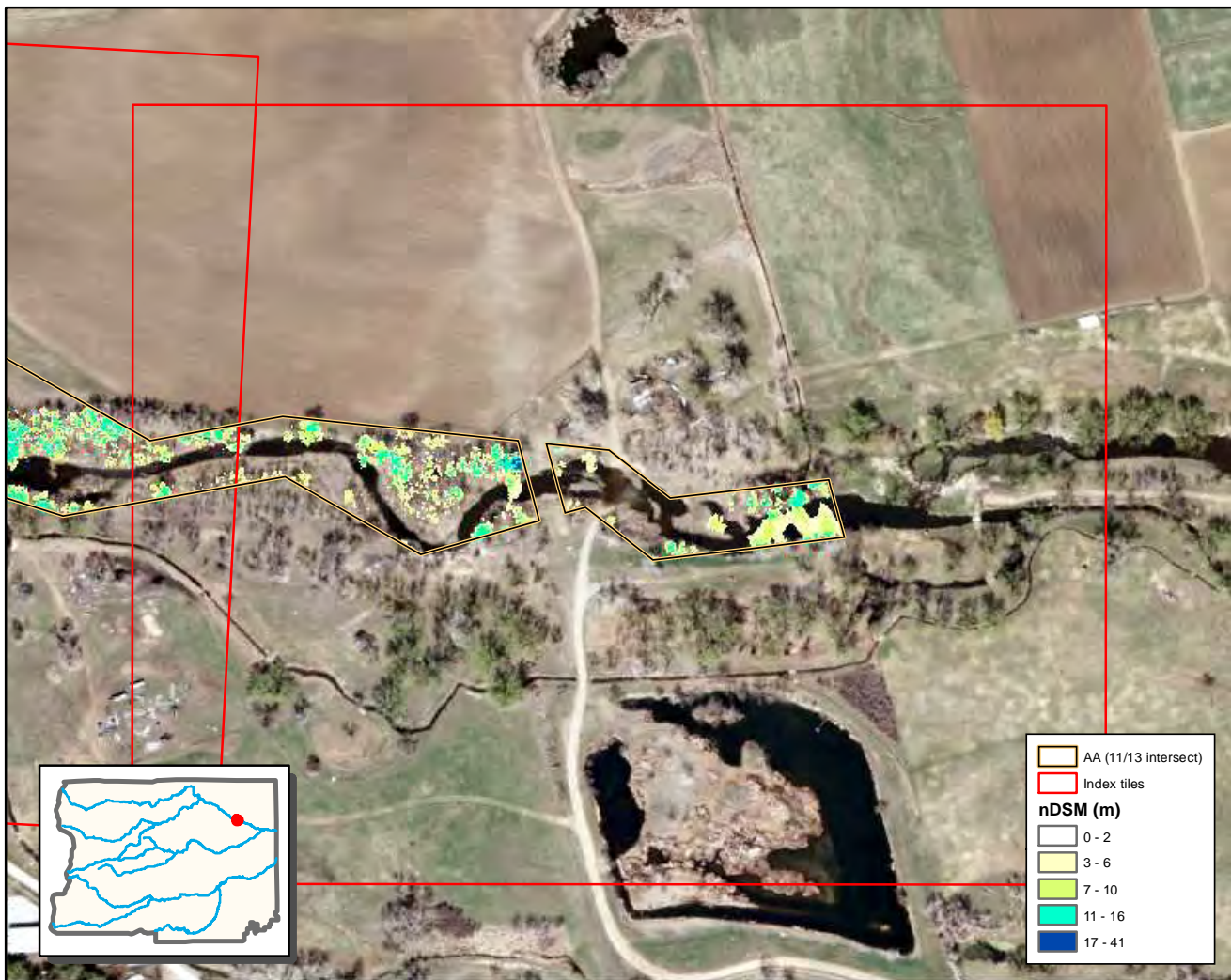
Tile 90










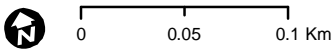
0 0.05 0.1 Km

2011 nDSM

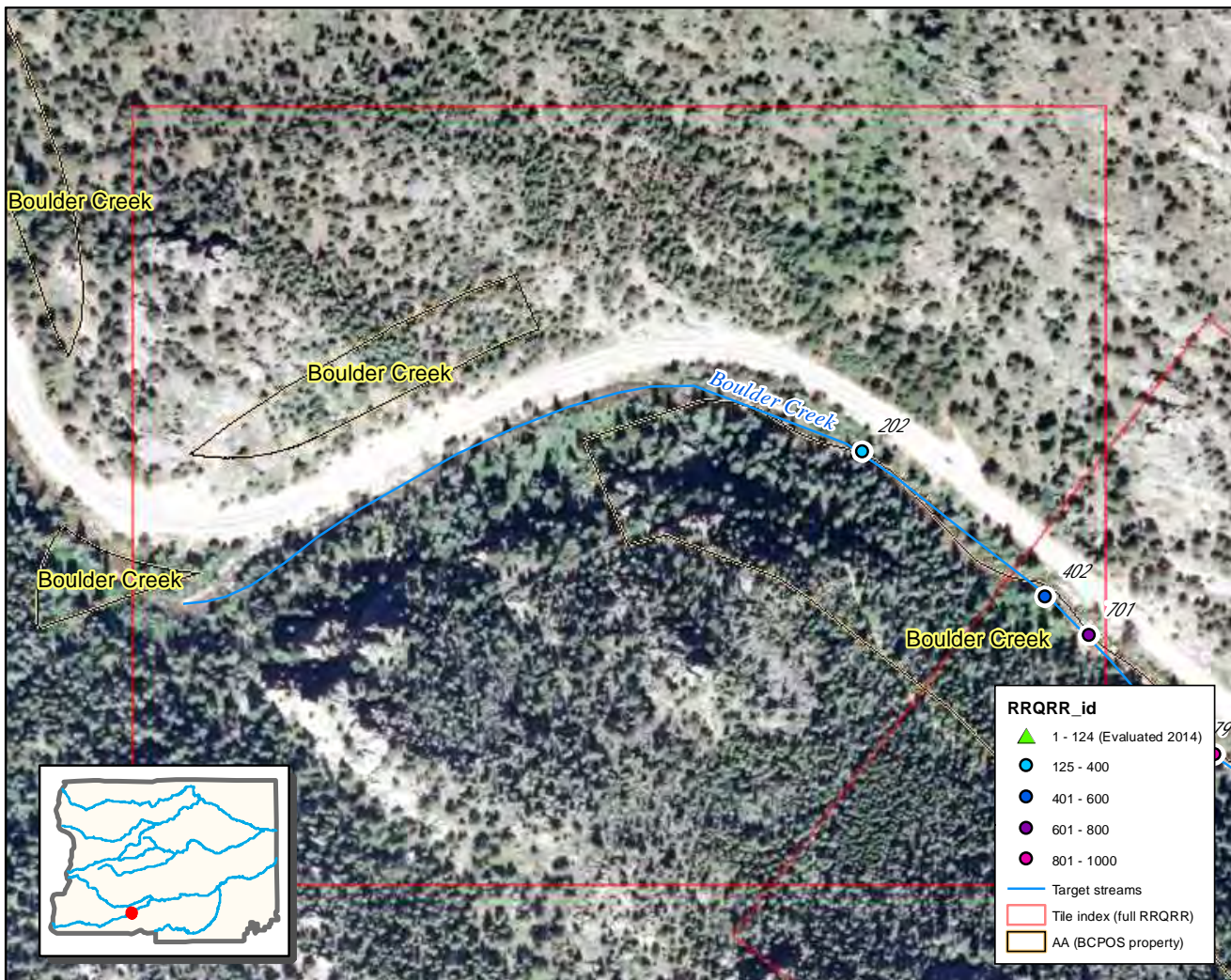
Tile 91



	AA (11/13 intersect)
	Index tiles
nDSM (m)	
	0 - 2
	3 - 6
	7 - 10
	11 - 16
	17 - 41

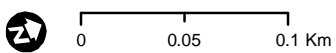


2011 nDSM



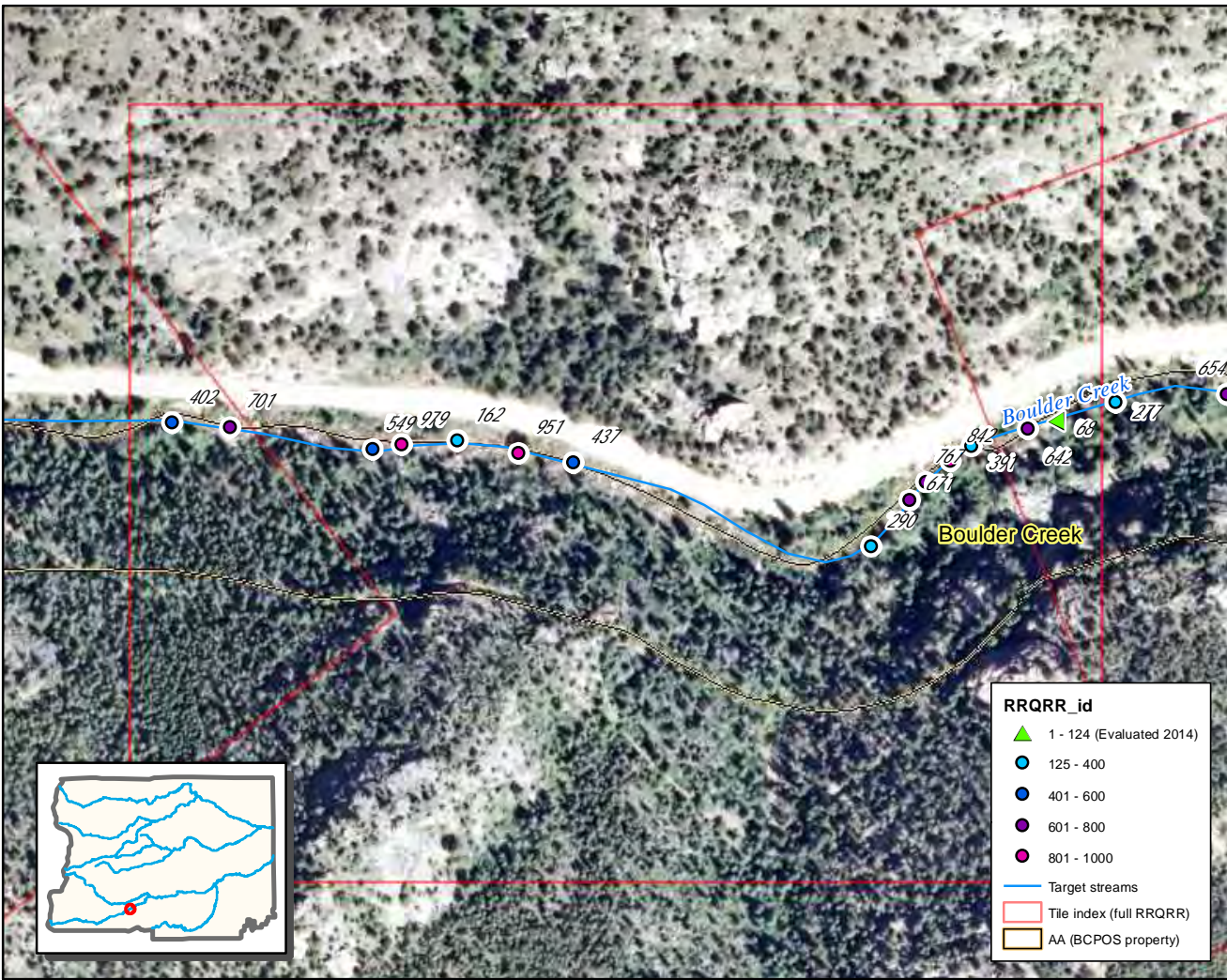
RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)



RRQRR sample points

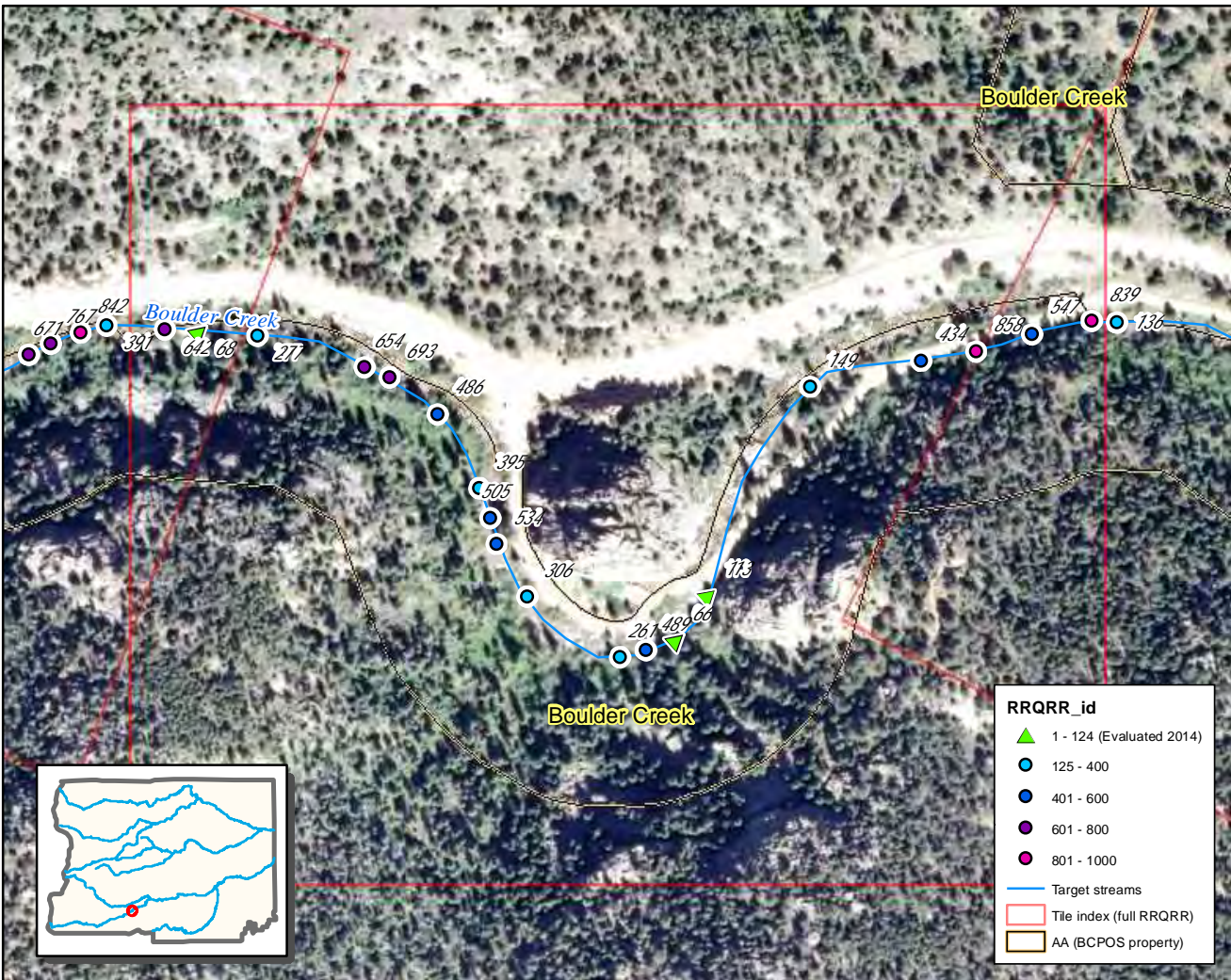
Tile 1



0 0.05 0.1 Km

RRQRR sample points

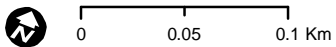
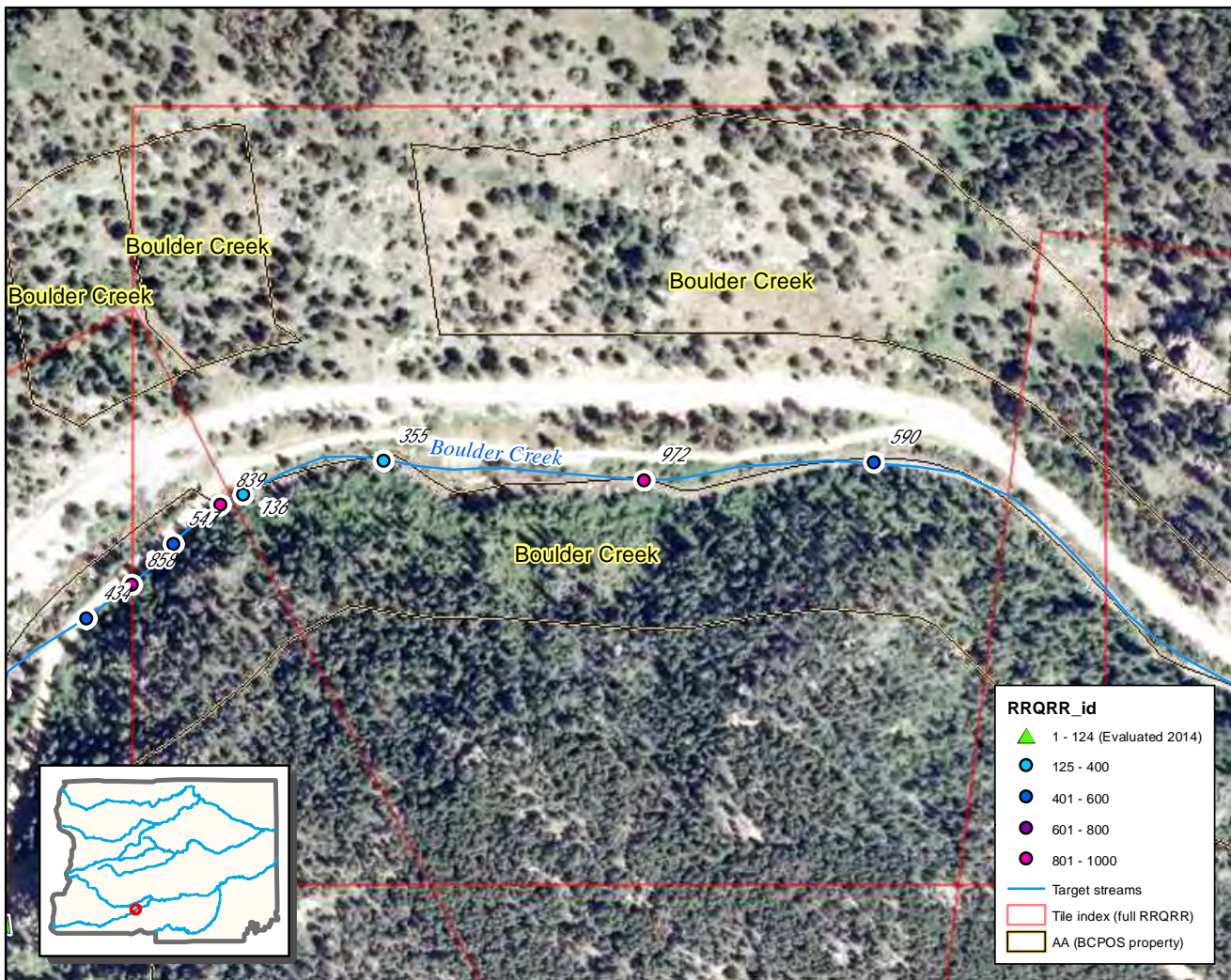
Tile 2



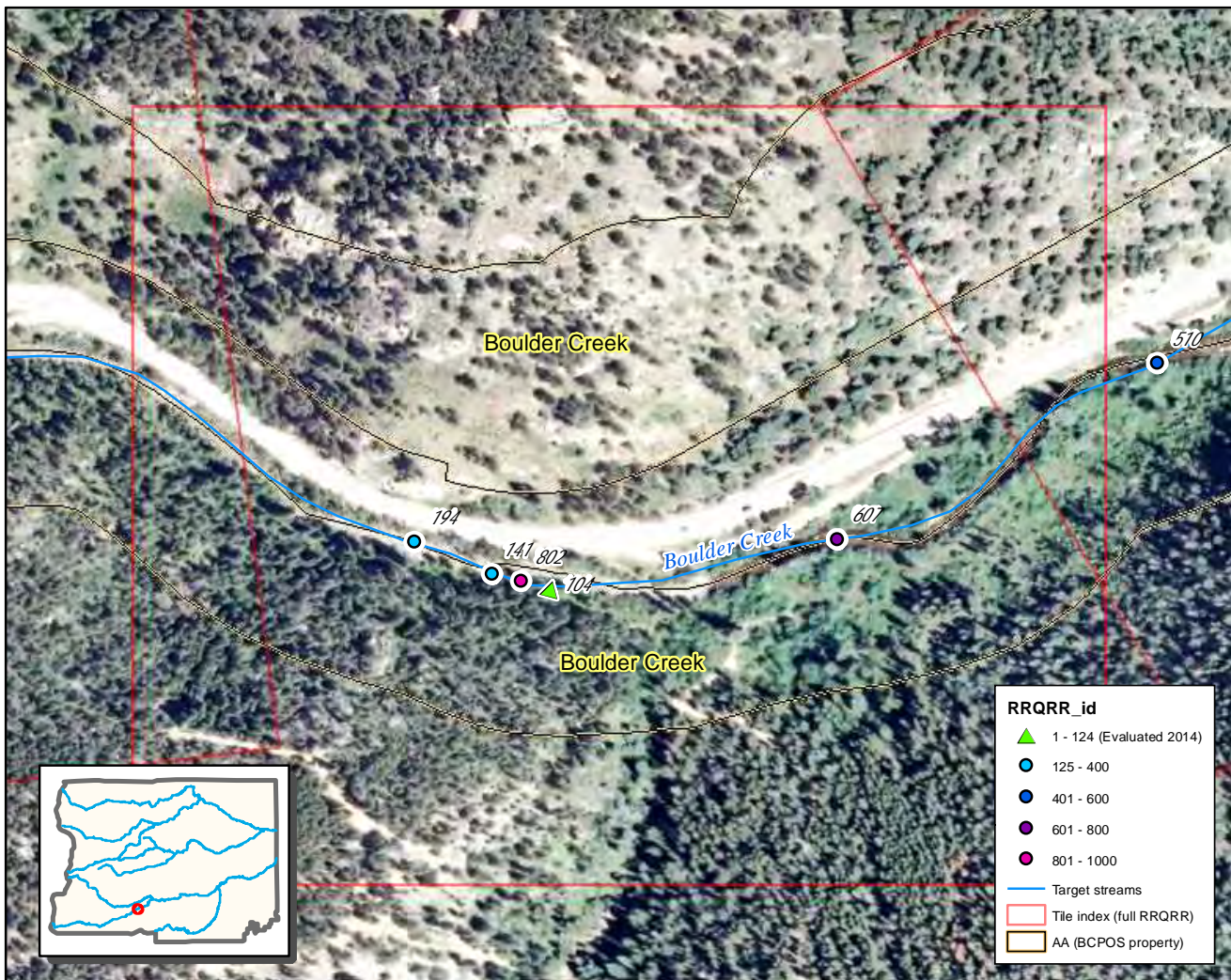
0 0.05 0.1 Km

RRQRR sample points

Tile 3

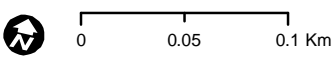


RRQRR sample points



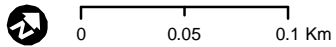
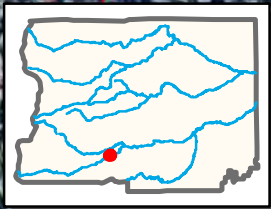
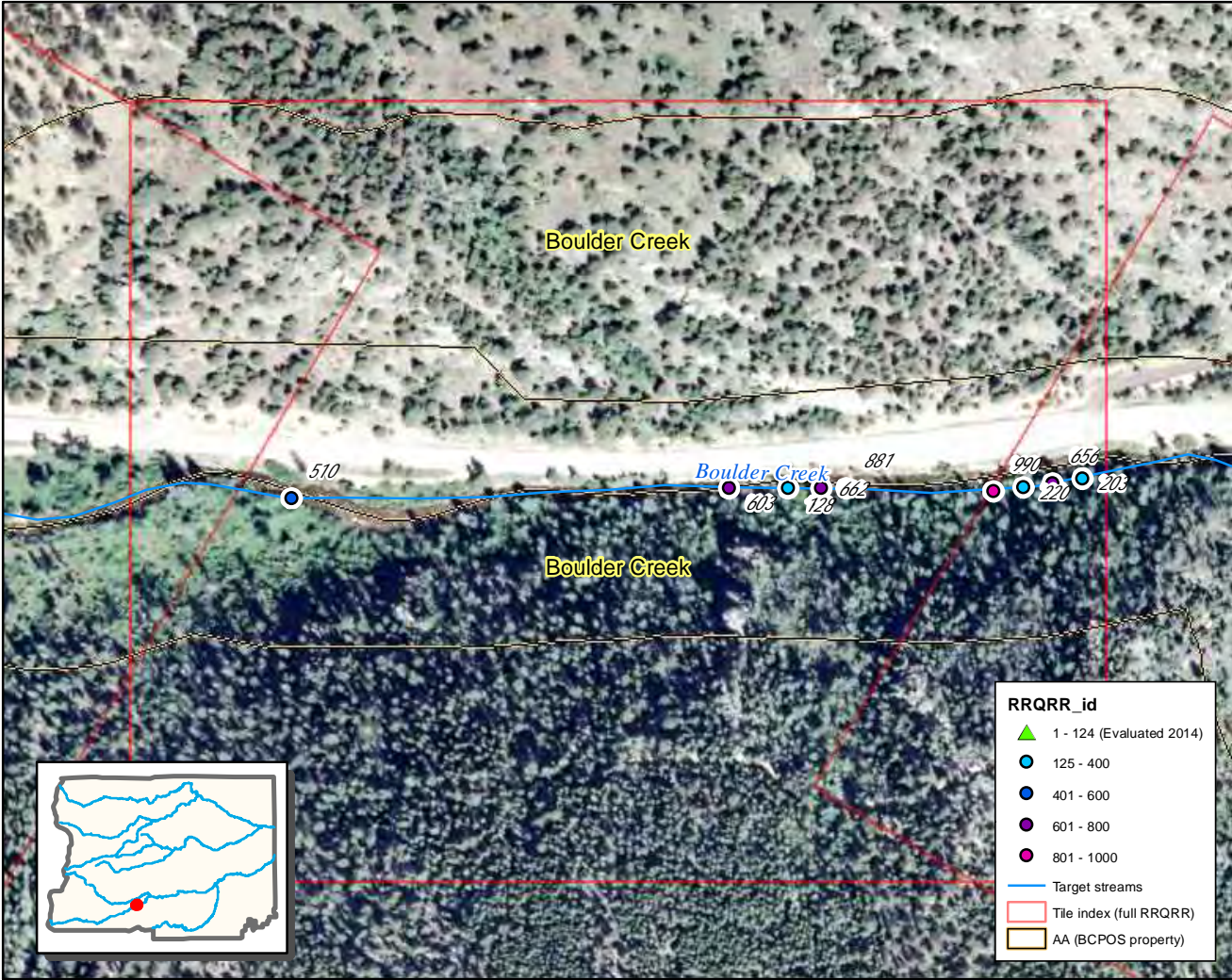
RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)



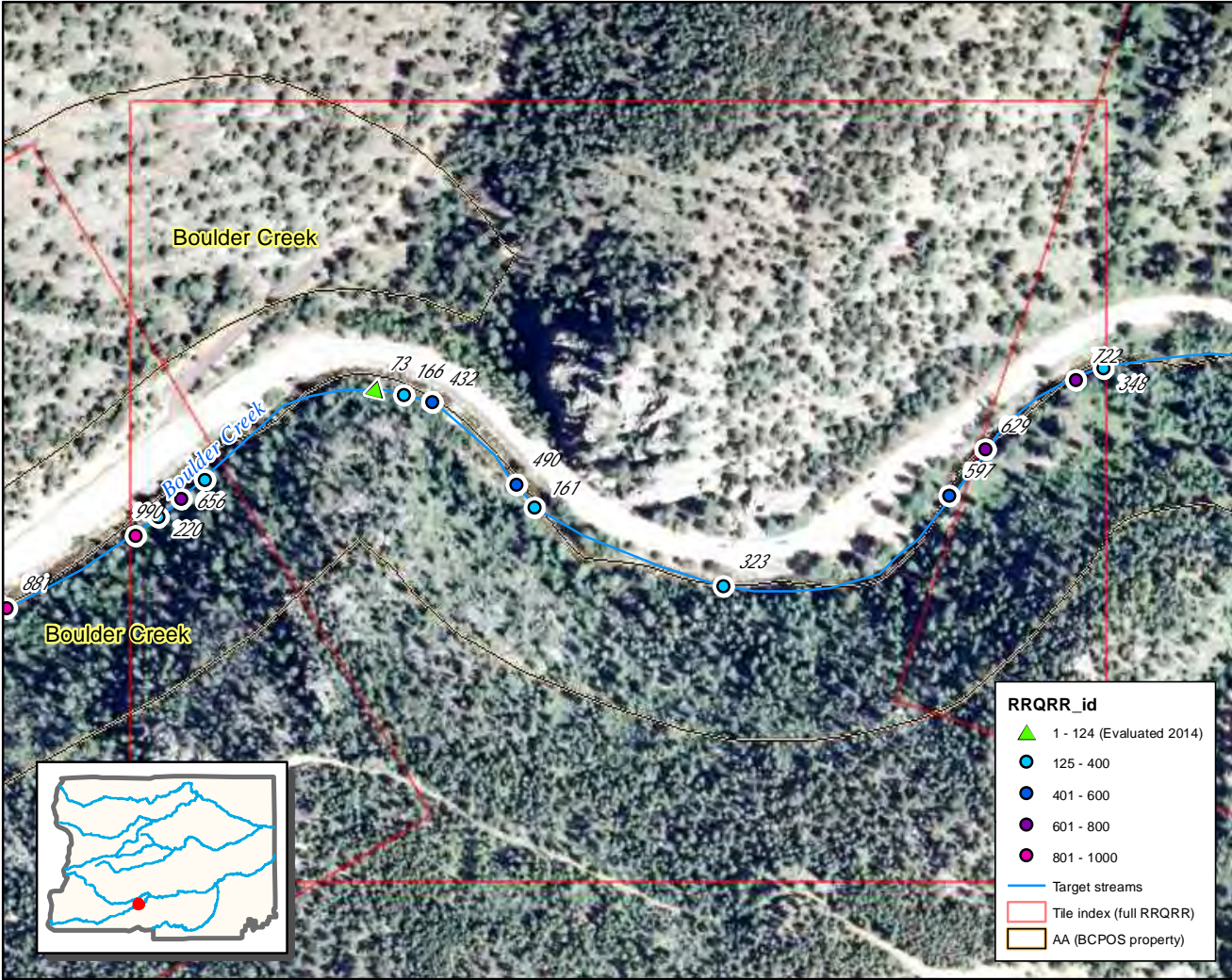
RRQRR sample points

Tile 5



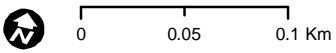
RRQRR sample points

Tile 6



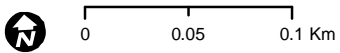
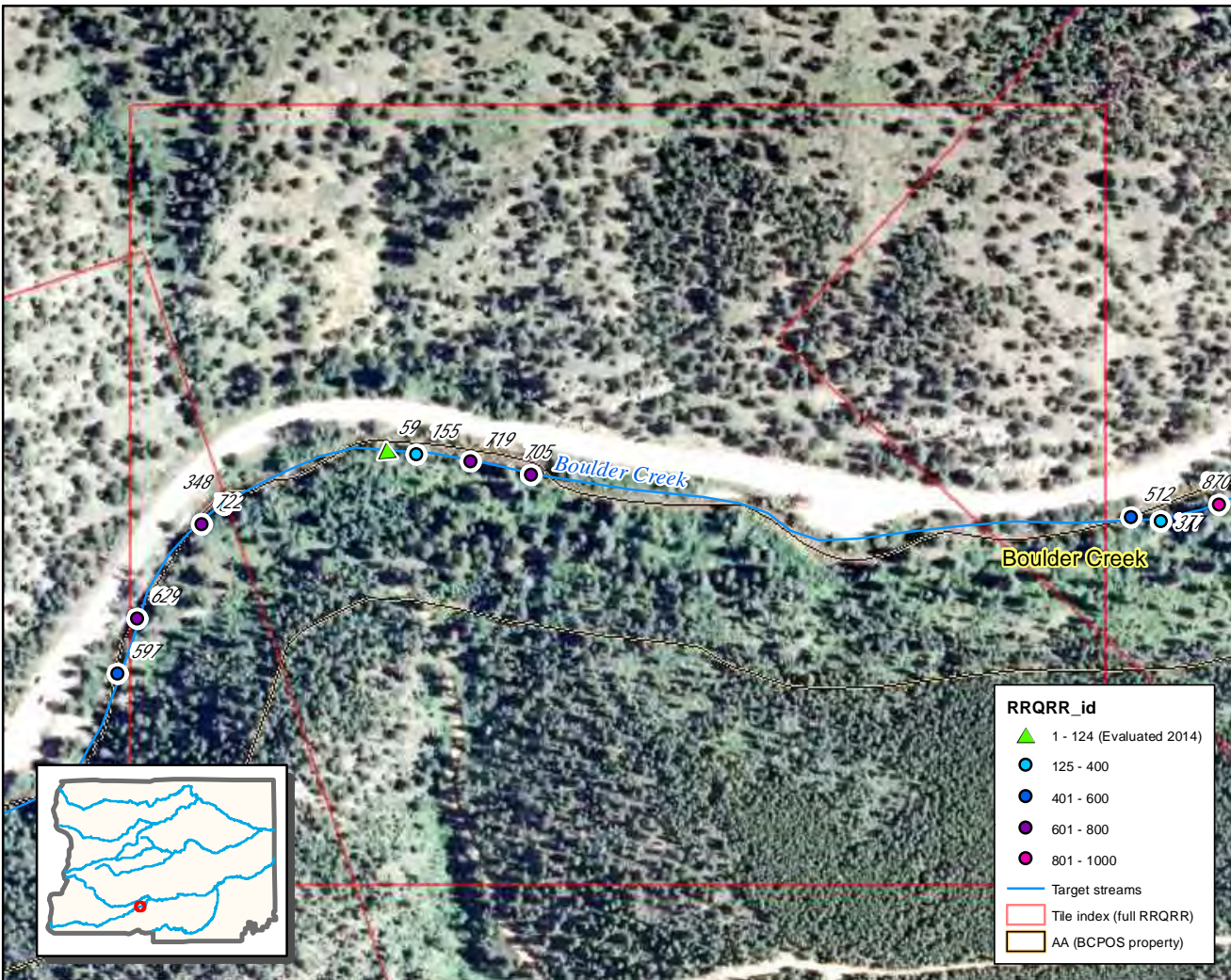
RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)

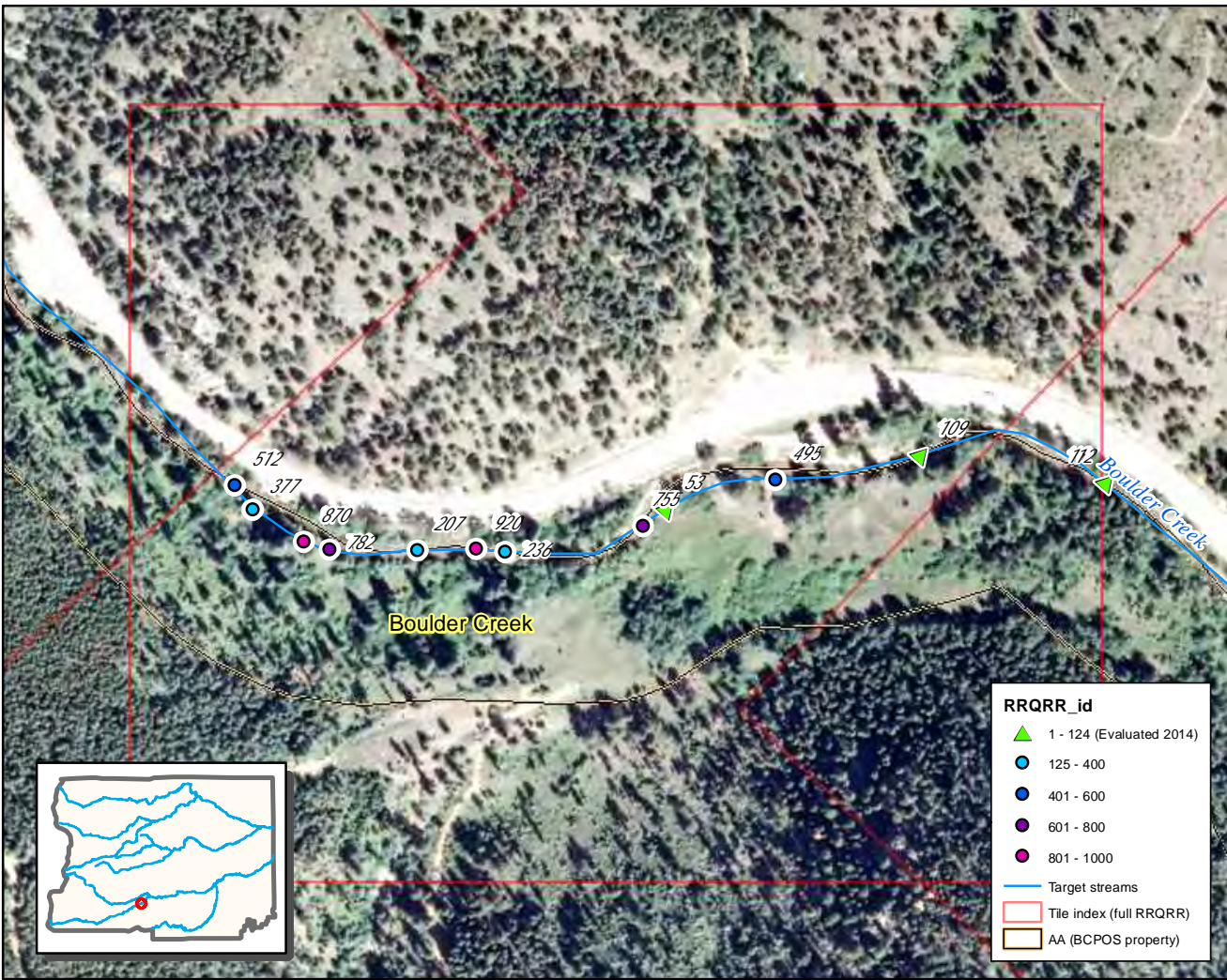


RRQRR sample points

Tile 7



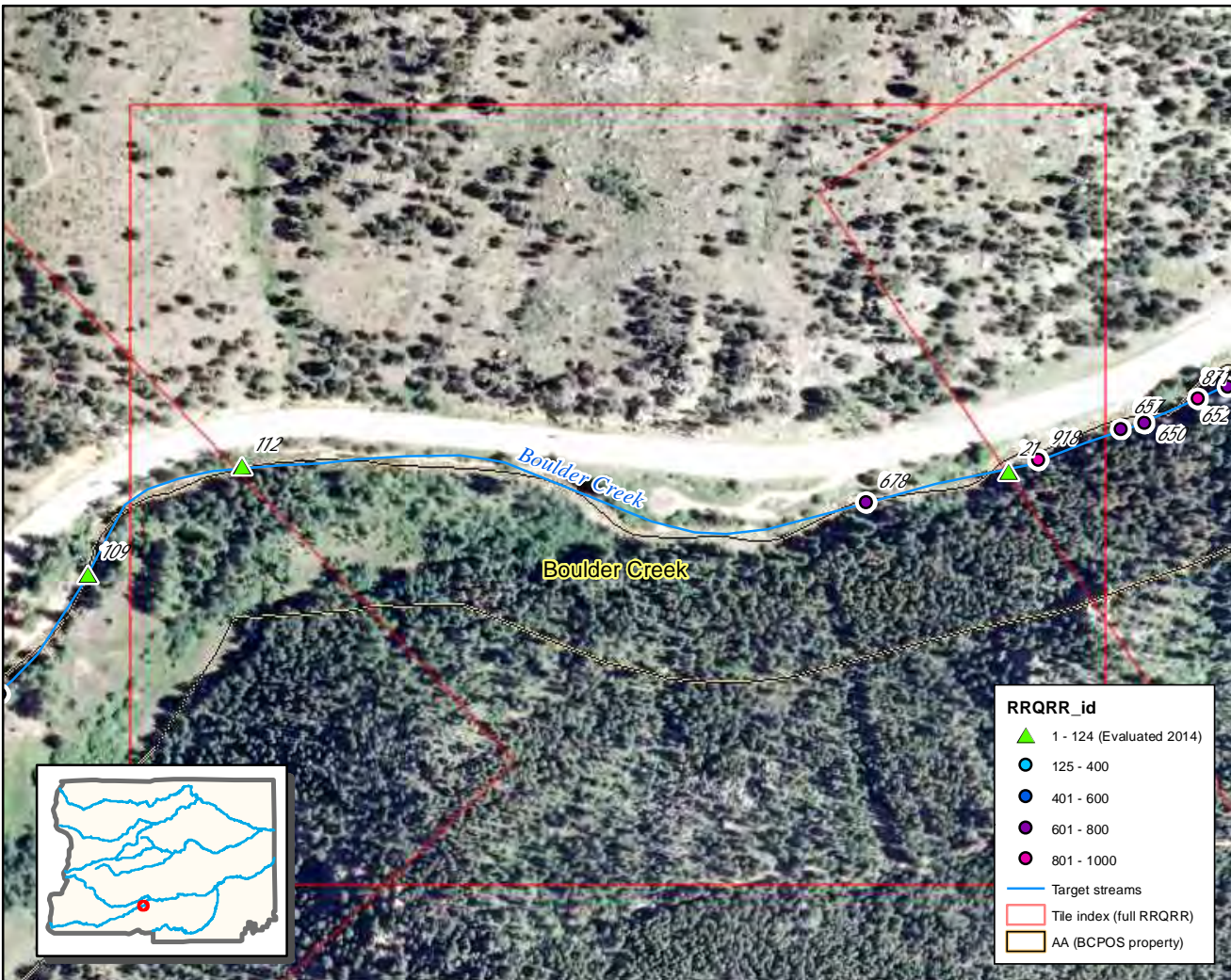
RRQRR sample points



0 0.05 0.1 Km

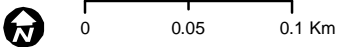
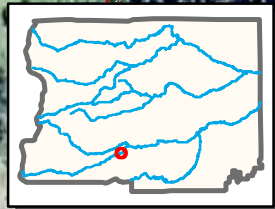
RRQRR sample points

Tile 9

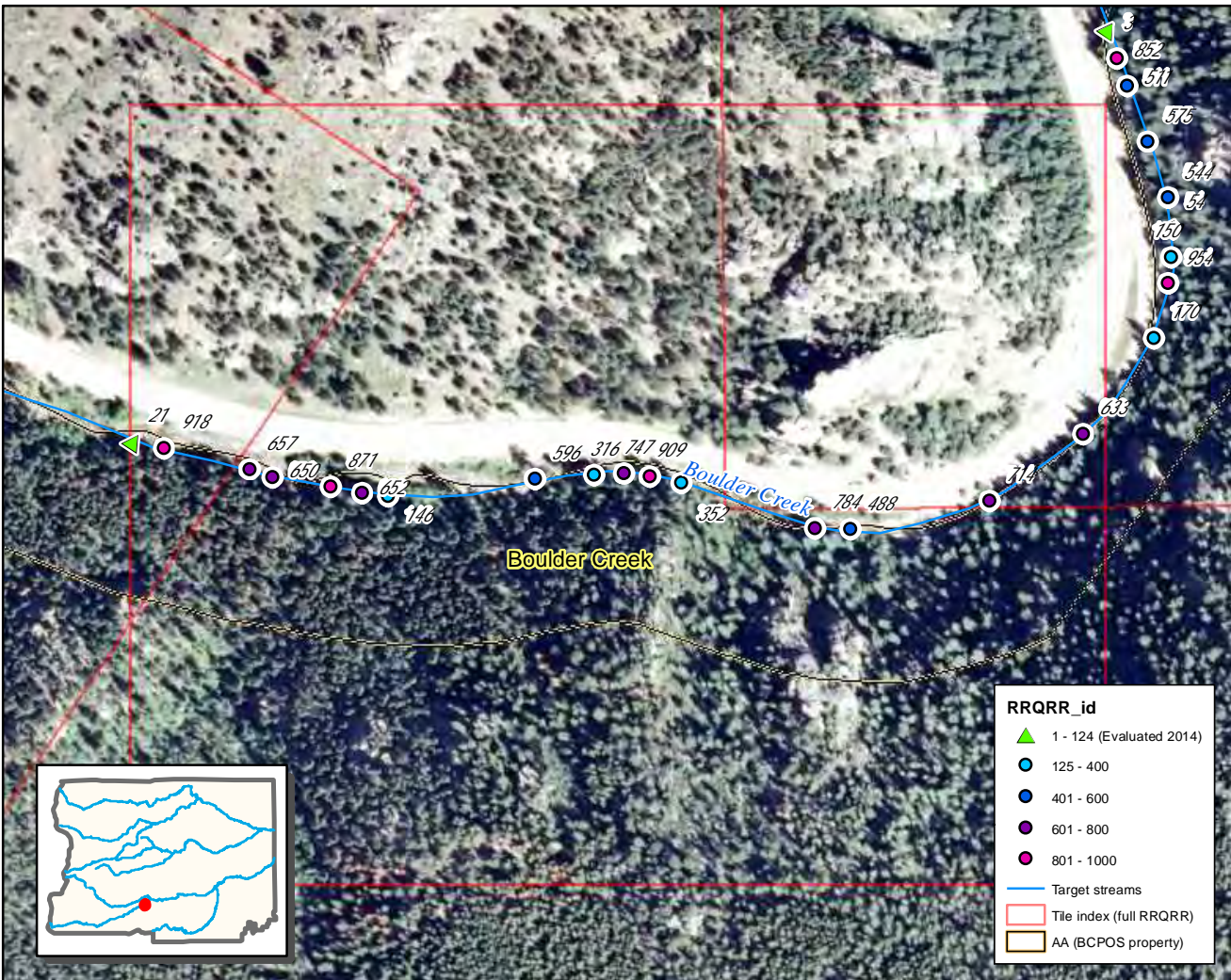


RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- - - Tile index (full RRQRR)
- - - AA (BCPOS property)

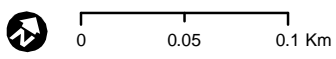


RRQRR sample points

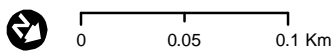
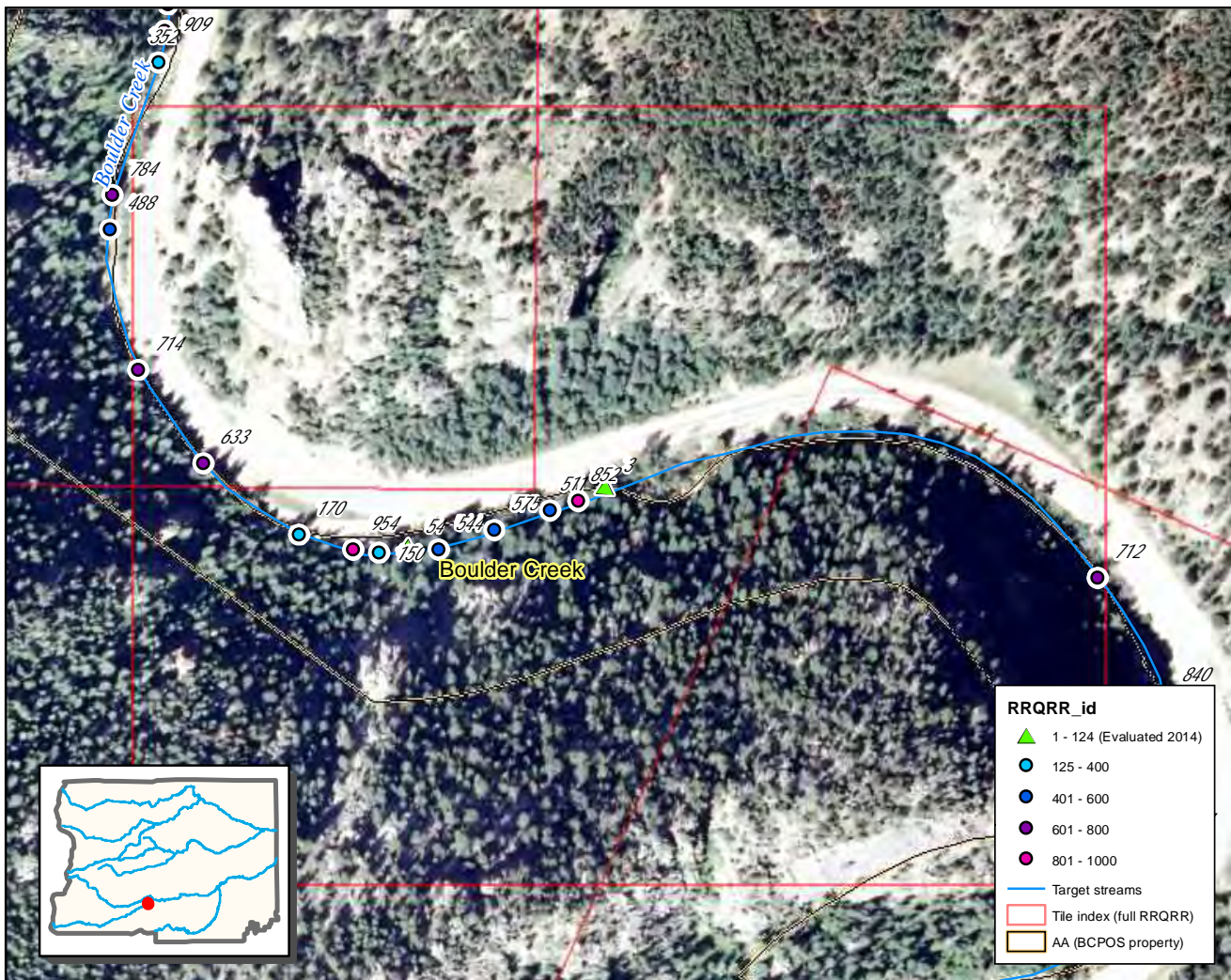


RRQRR_id

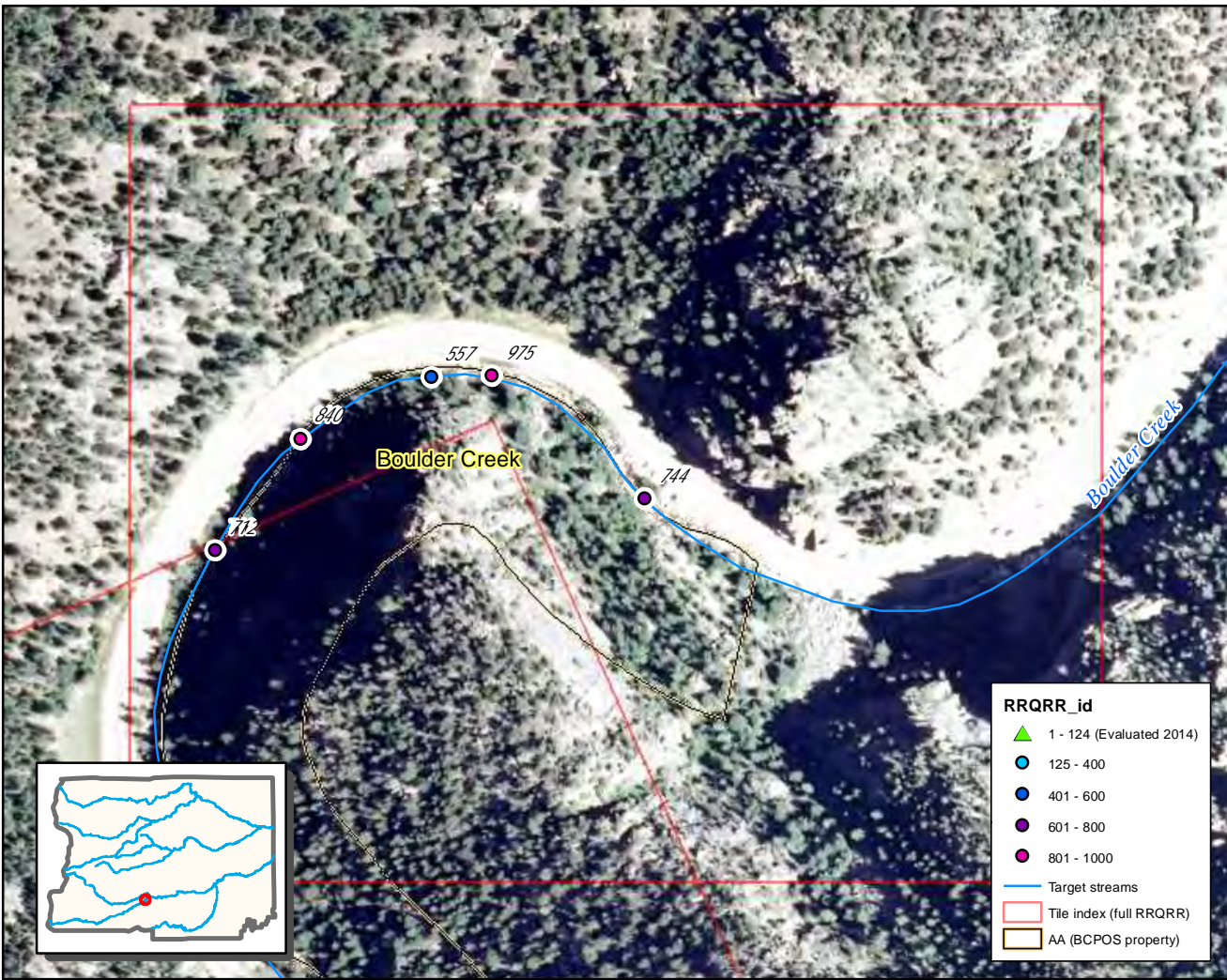
- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)



RRQRR sample points

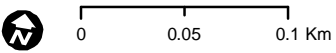


RRQRR sample points

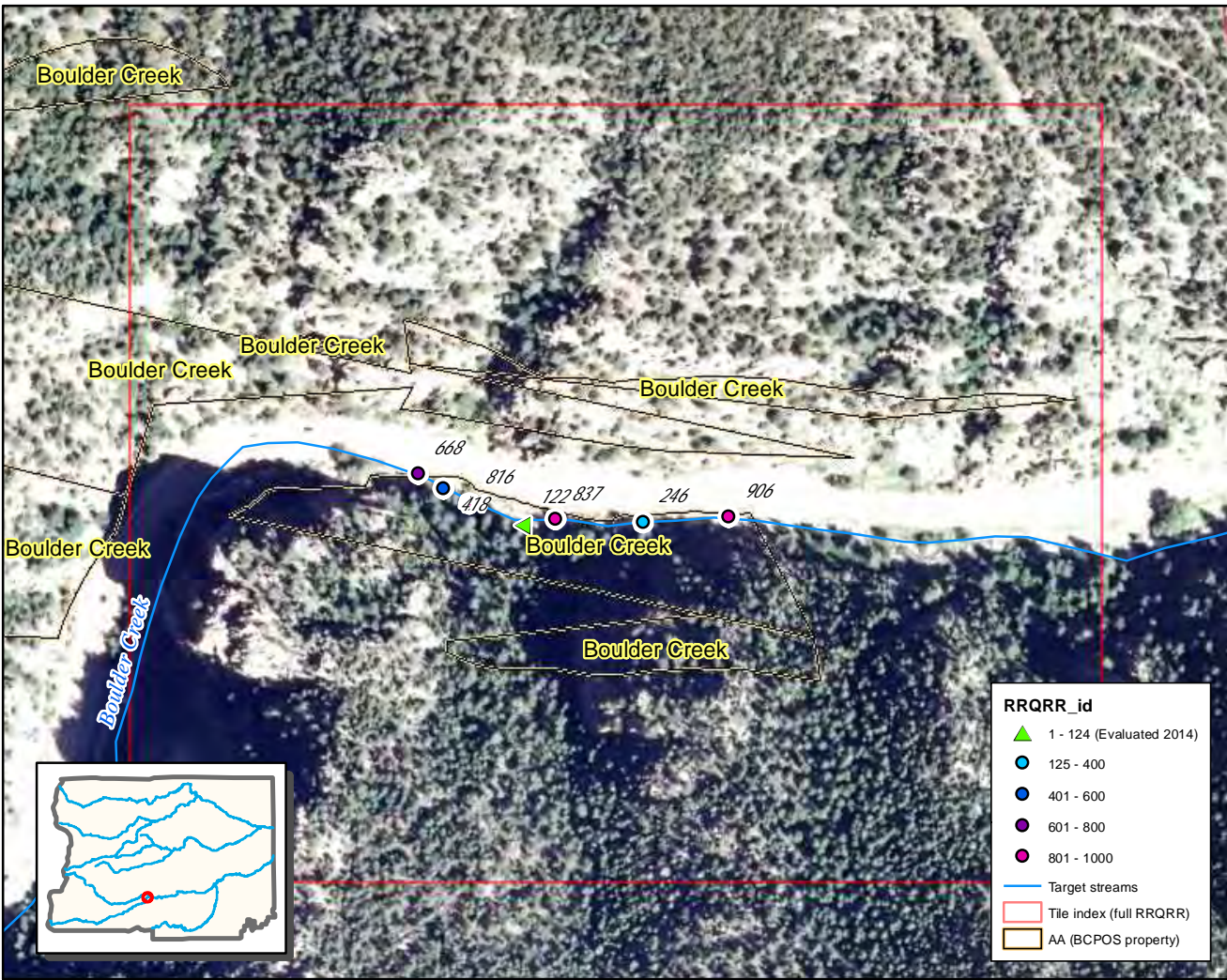


RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)



RRQRR sample points



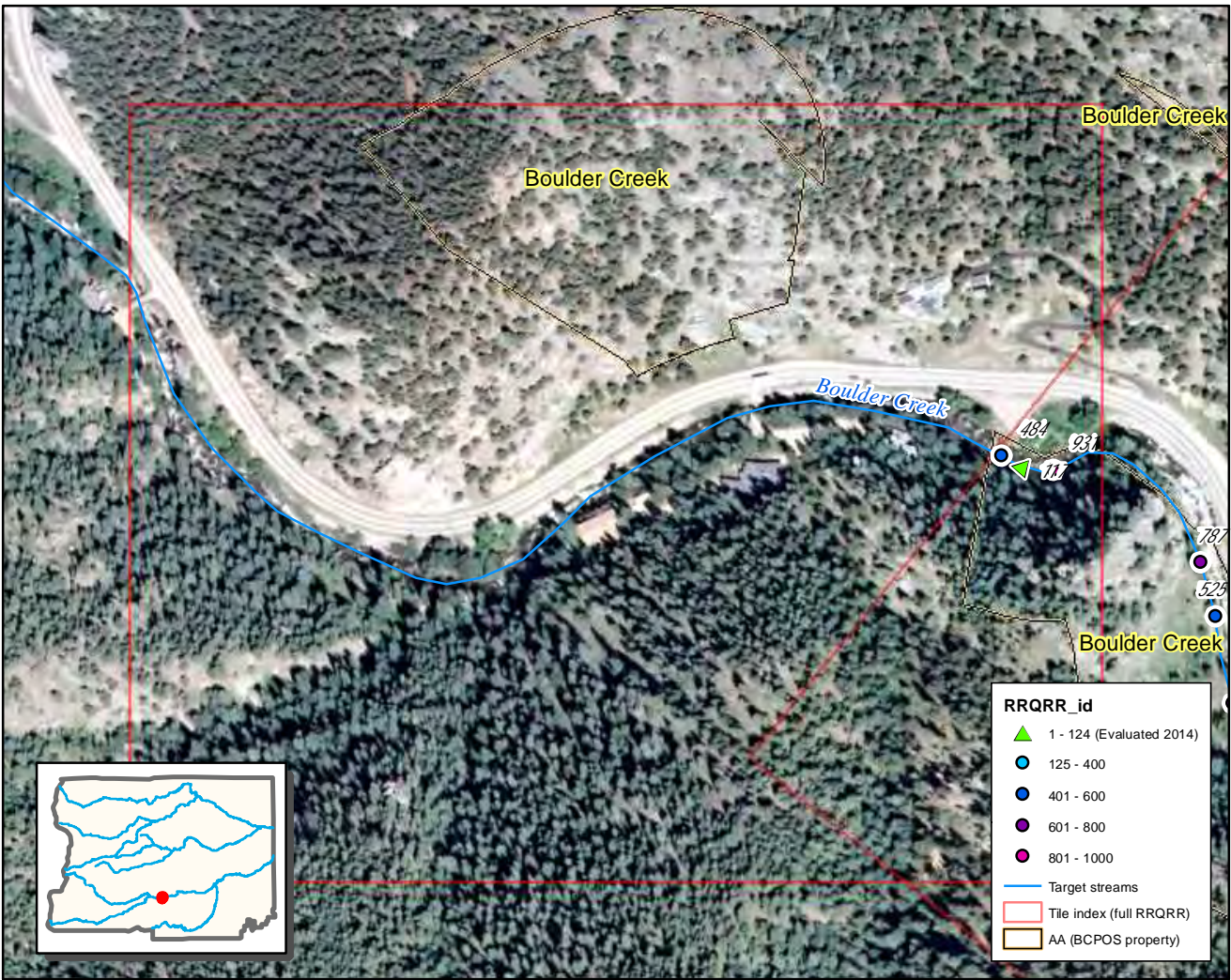
RRQRR_id	
▲	1 - 124 (Evaluated 2014)
●	125 - 400
●	401 - 600
●	601 - 800
●	801 - 1000
—	Target streams
□	Tile index (full RRQRR)
□	AA (BCPOS property)



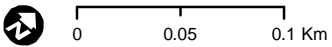
0 0.05 0.1 Km

RRQRR sample points

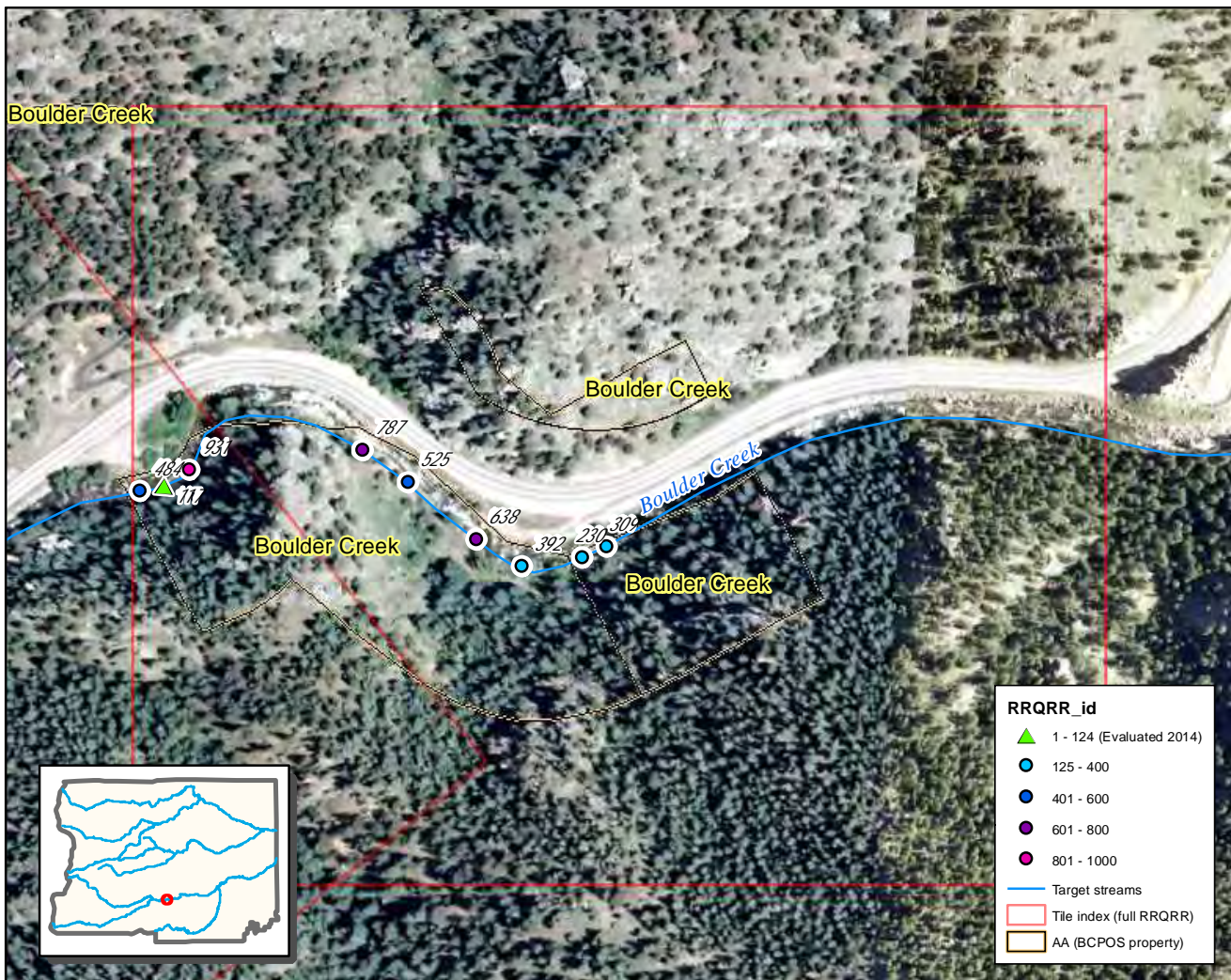
Tile 14



RRQRR_id	
▲	1 - 124 (Evaluated 2014)
●	125 - 400
●	401 - 600
●	601 - 800
●	801 - 1000
—	Target streams
—	Tile index (full RRQRR)
—	AA (BCPOS property)

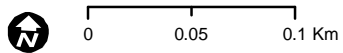
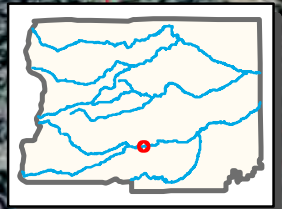


RRQRR sample points

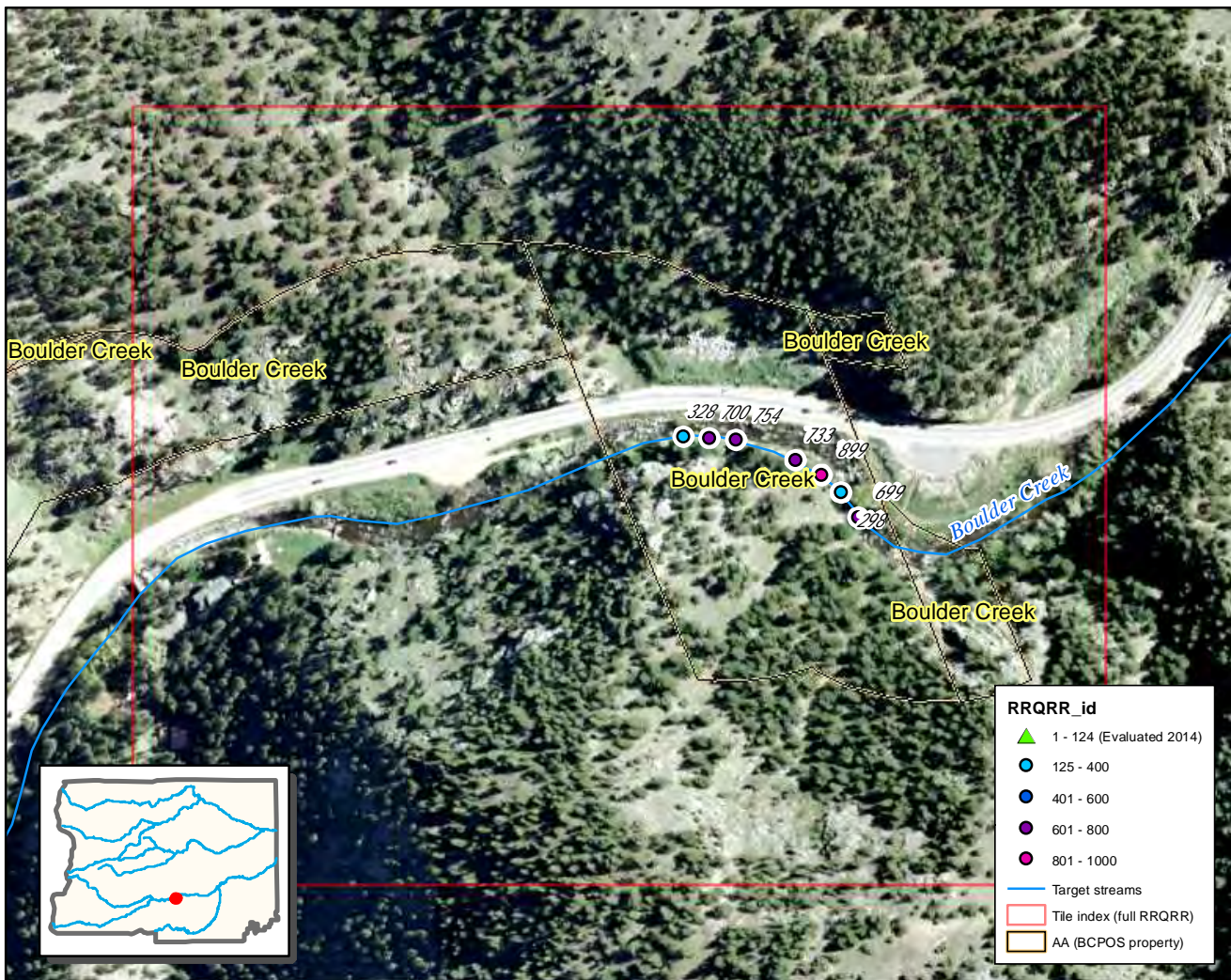


RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)

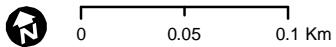
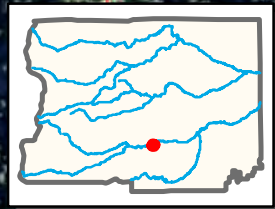


RRQRR sample points

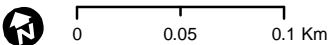
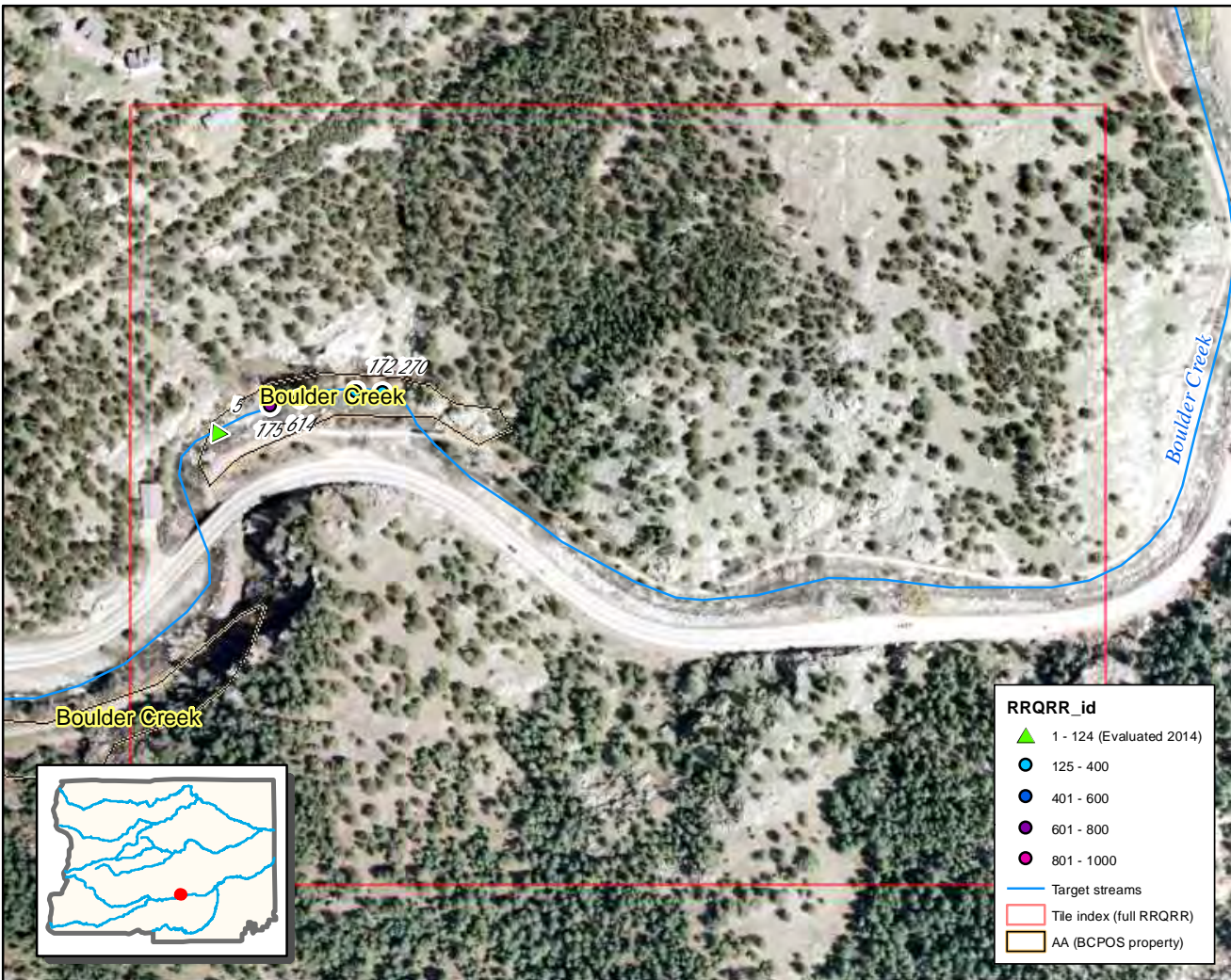


RRQRR_id

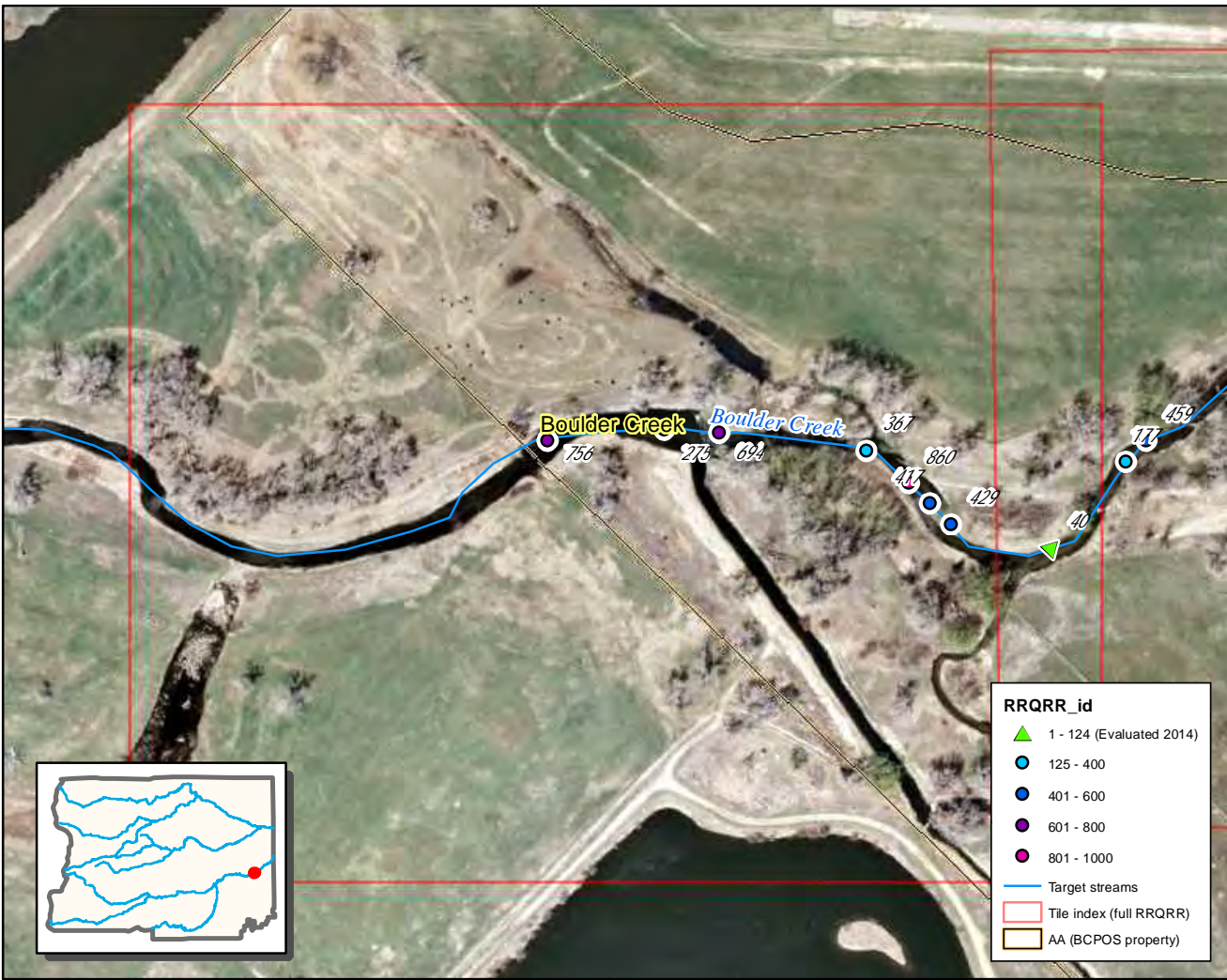
- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)



RRQRR sample points



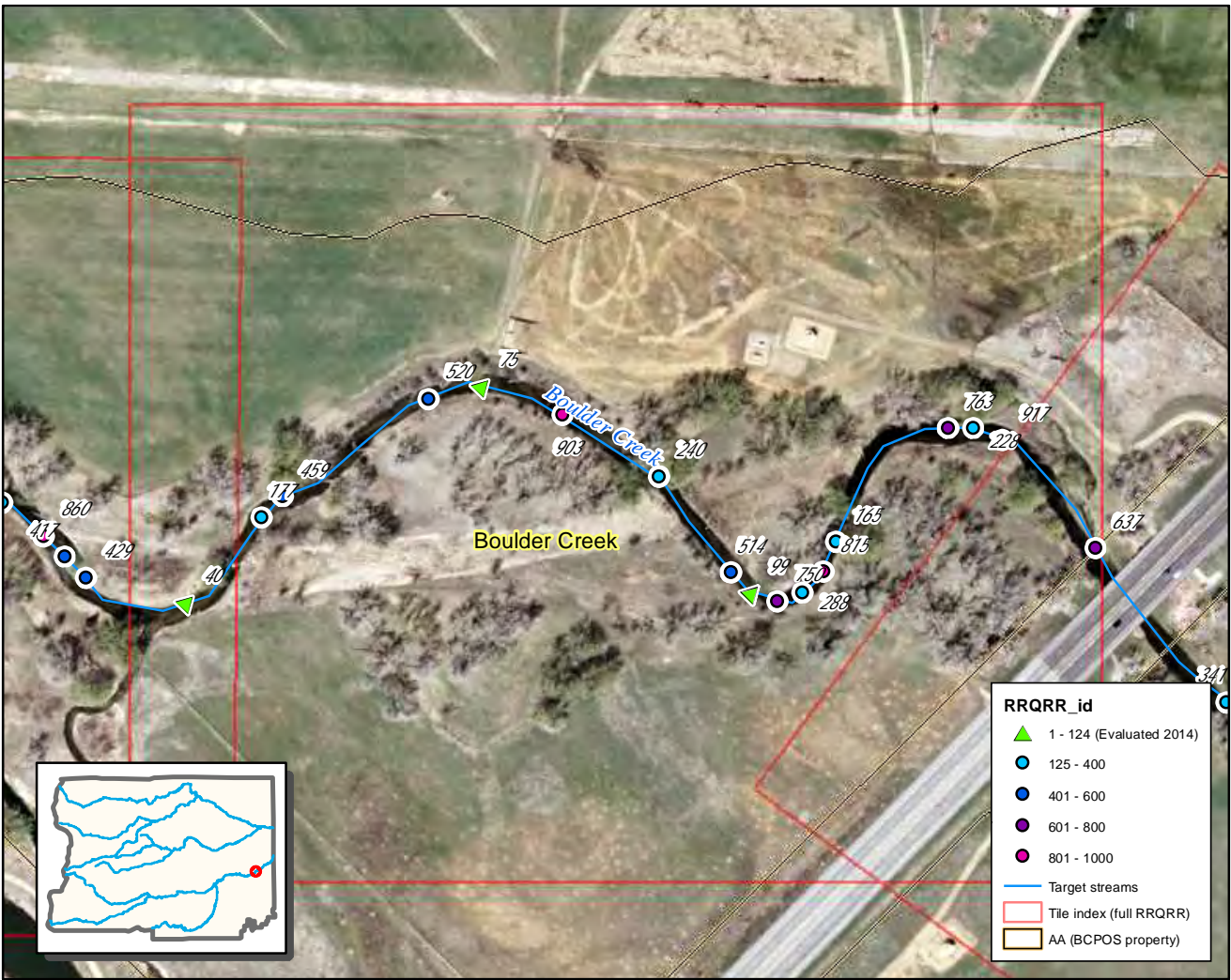
RRQRR sample points



0 0.05 0.1 Km

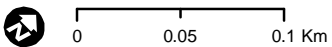
RRQRR sample points

Tile 19

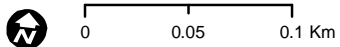
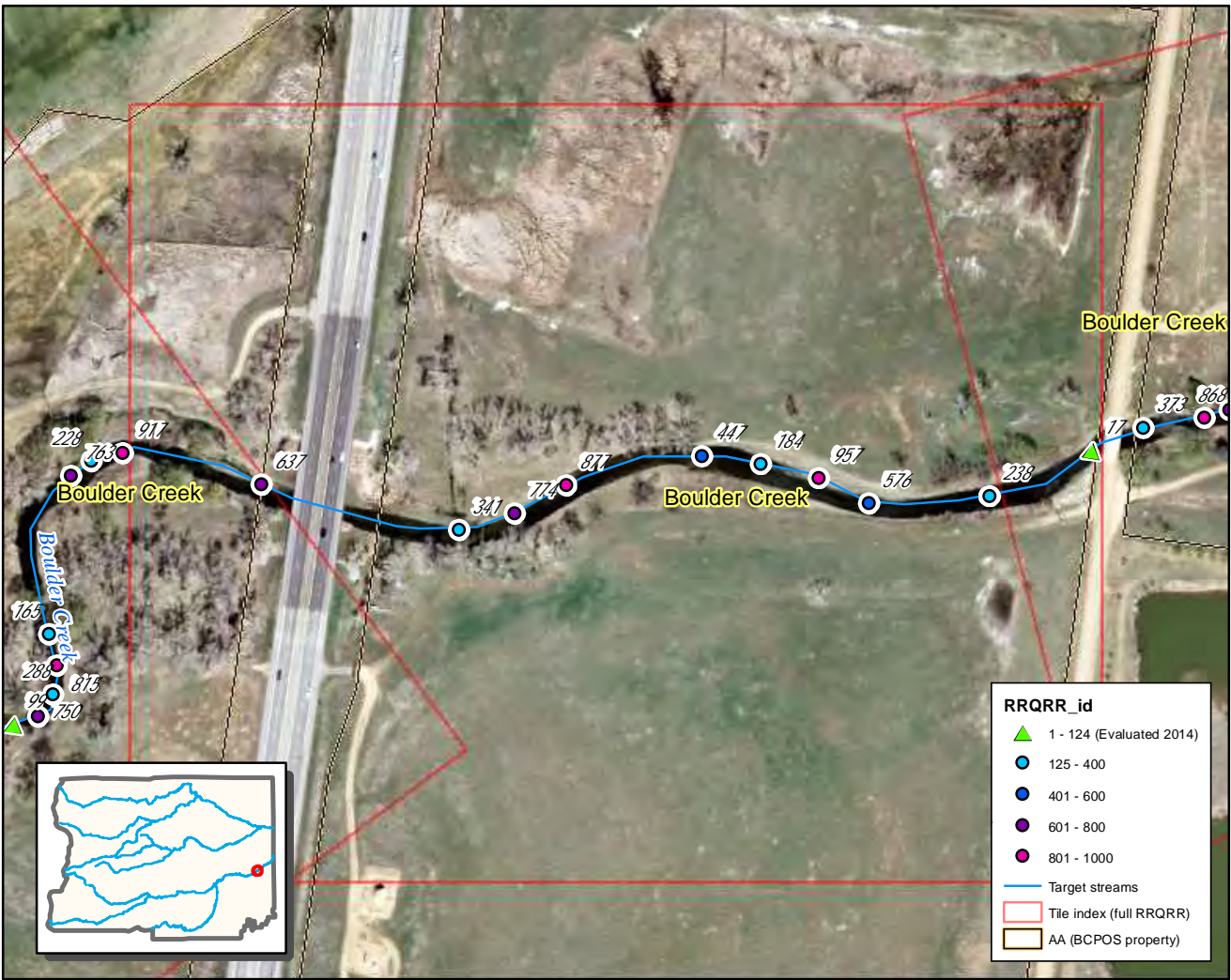


RRQRR_id

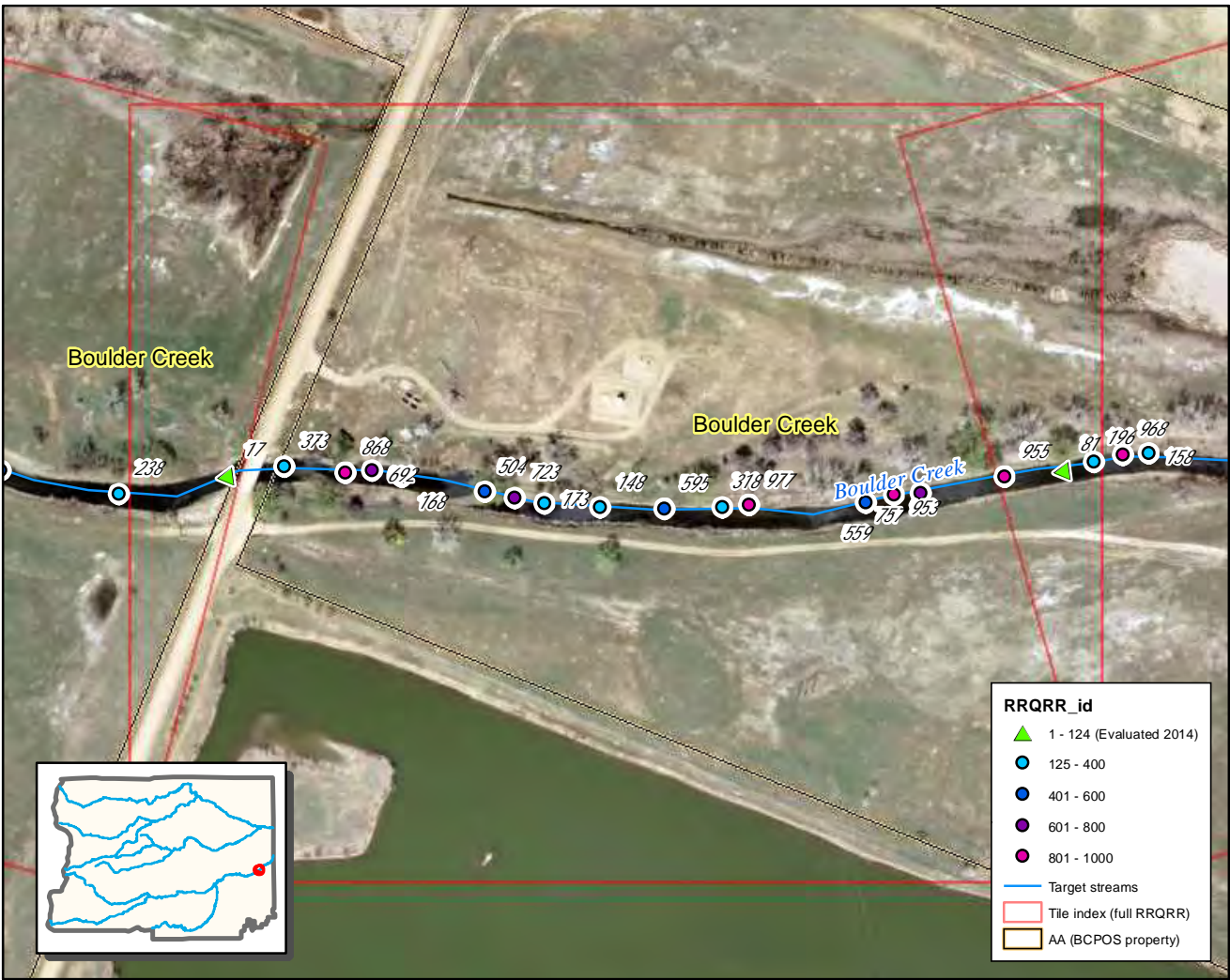
- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)



RRQRR sample points



RRQRR sample points



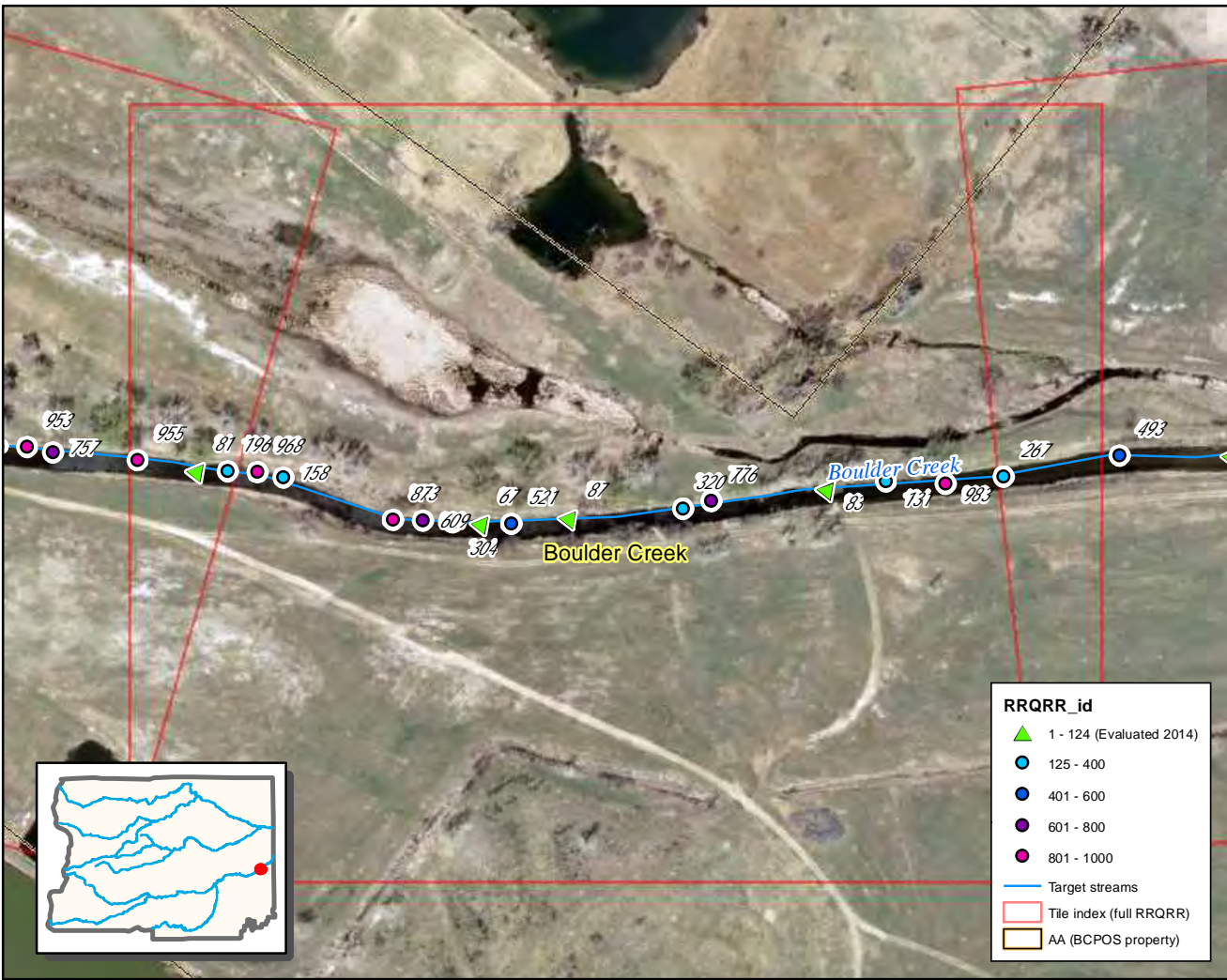
RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)

0 0.05 0.1 Km

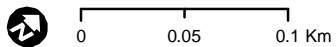
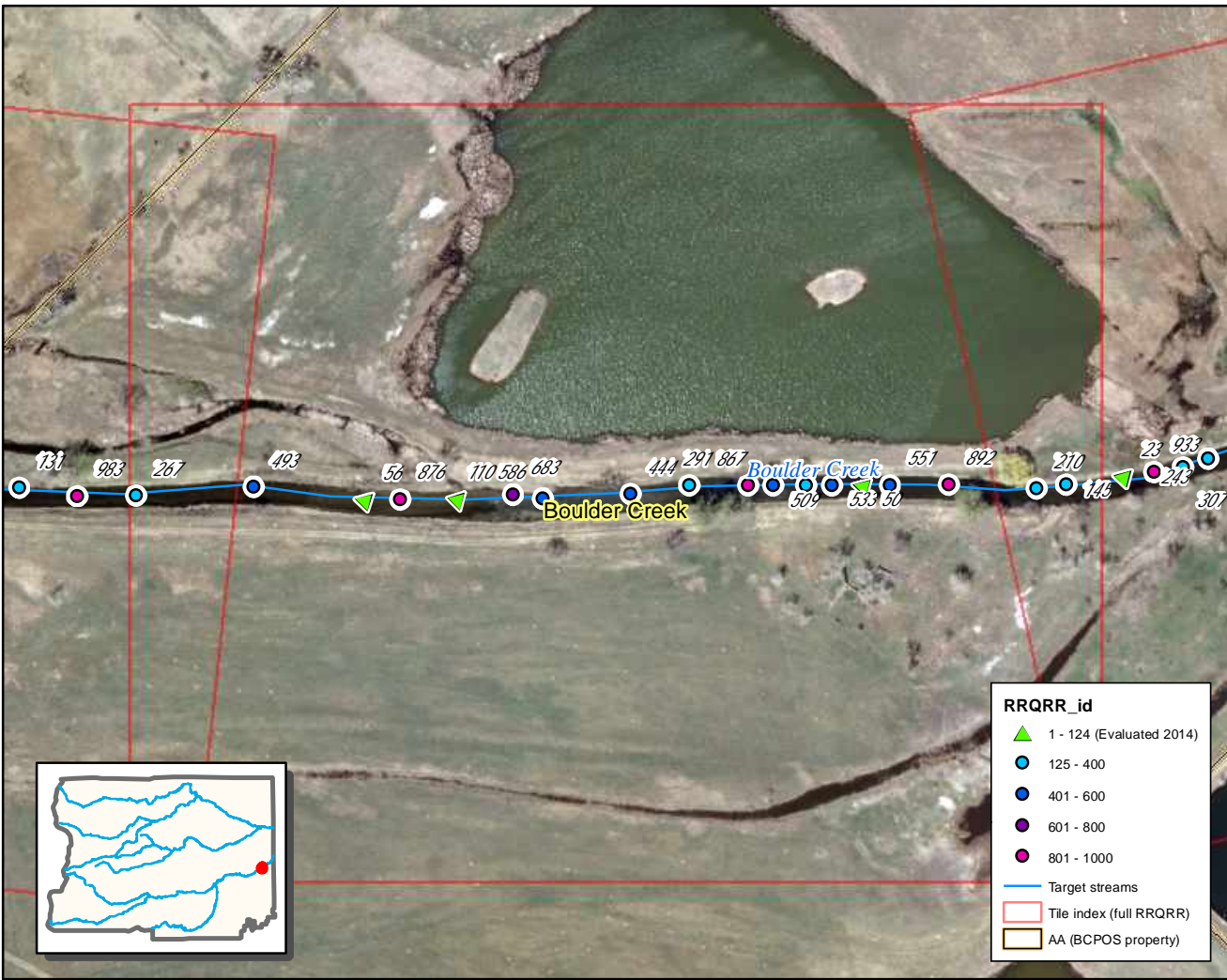
RRQRR sample points

Tile 22

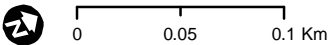
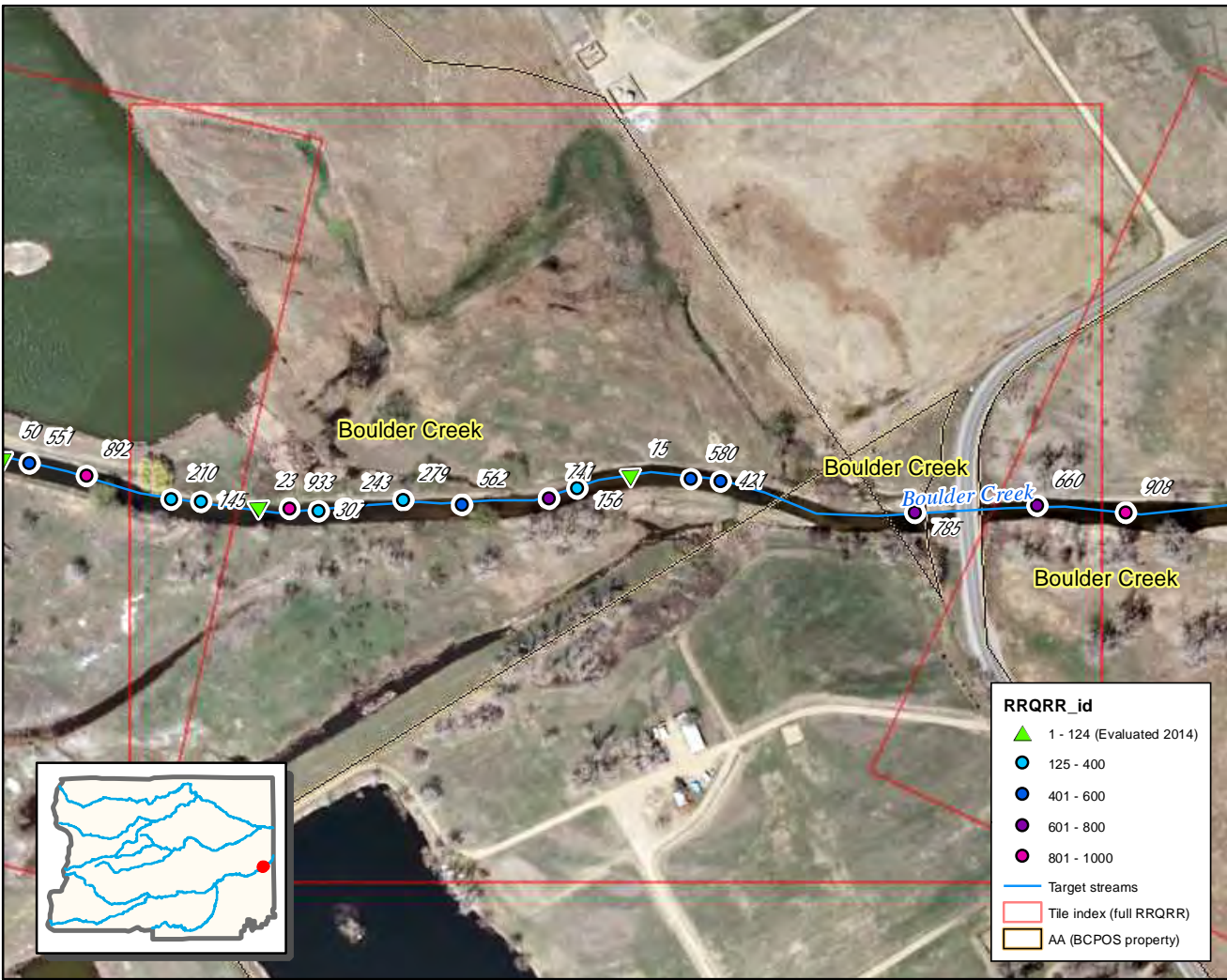


0 0.05 0.1 Km

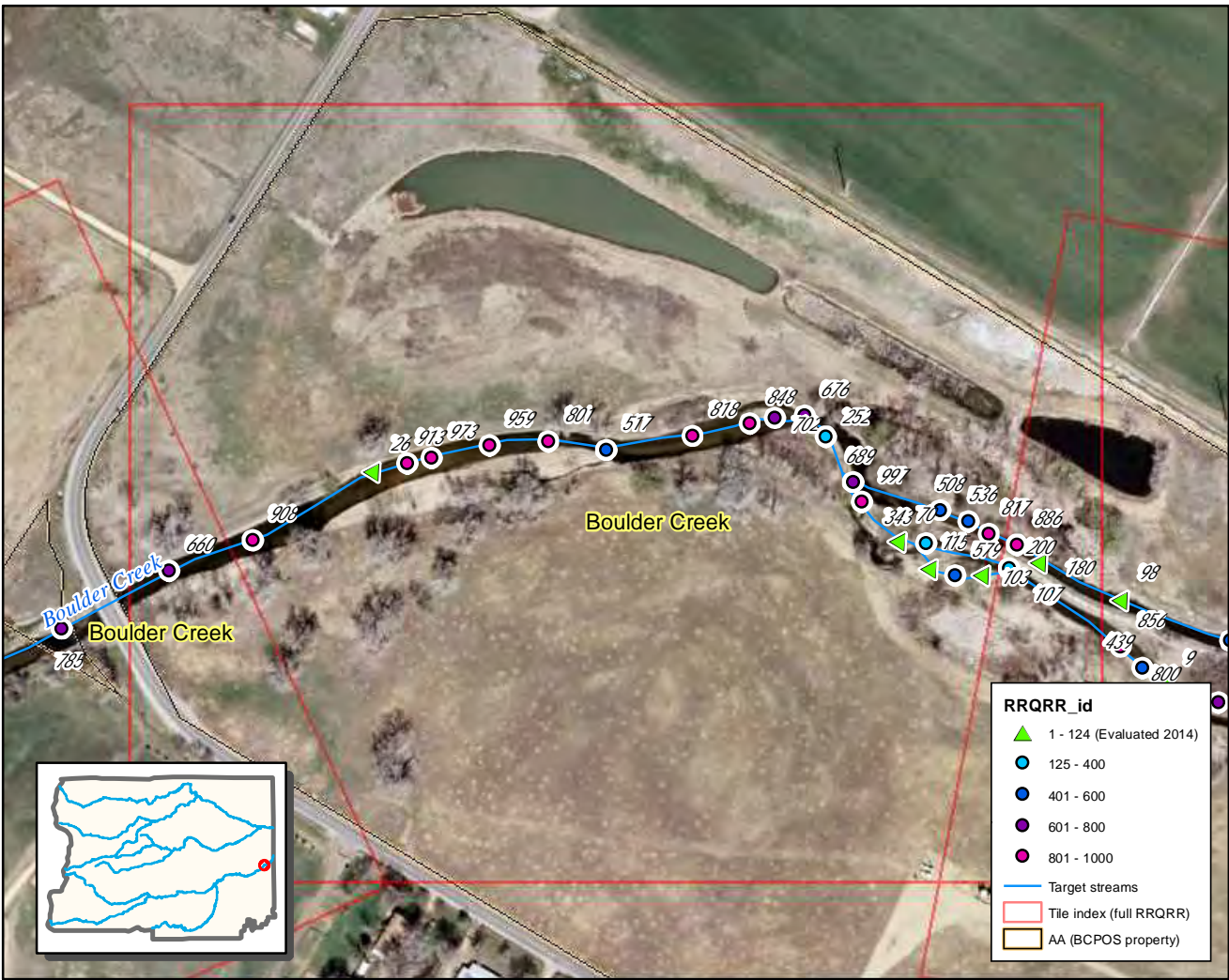
RRQR sample points



RRQRR sample points



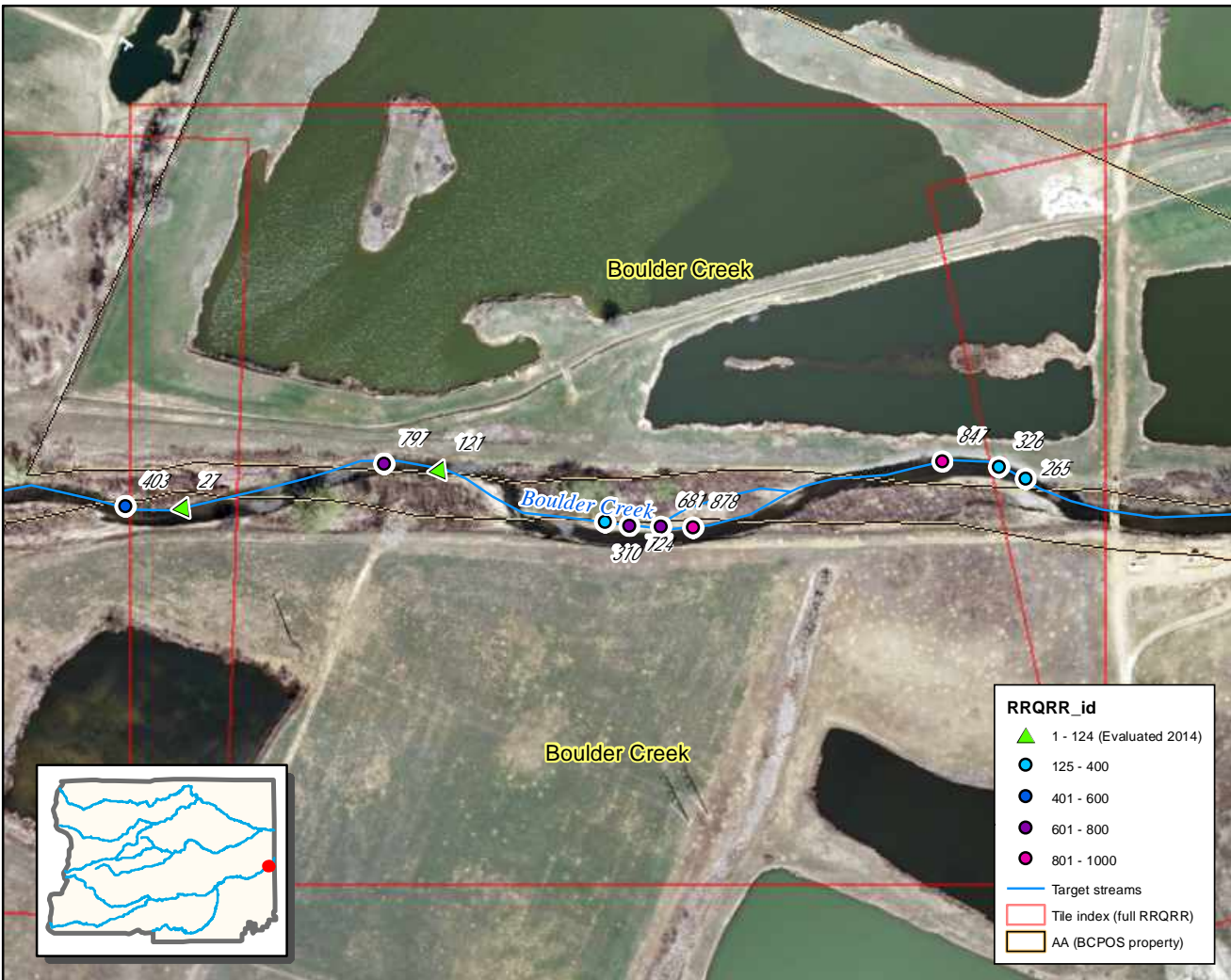
RRQR sample points



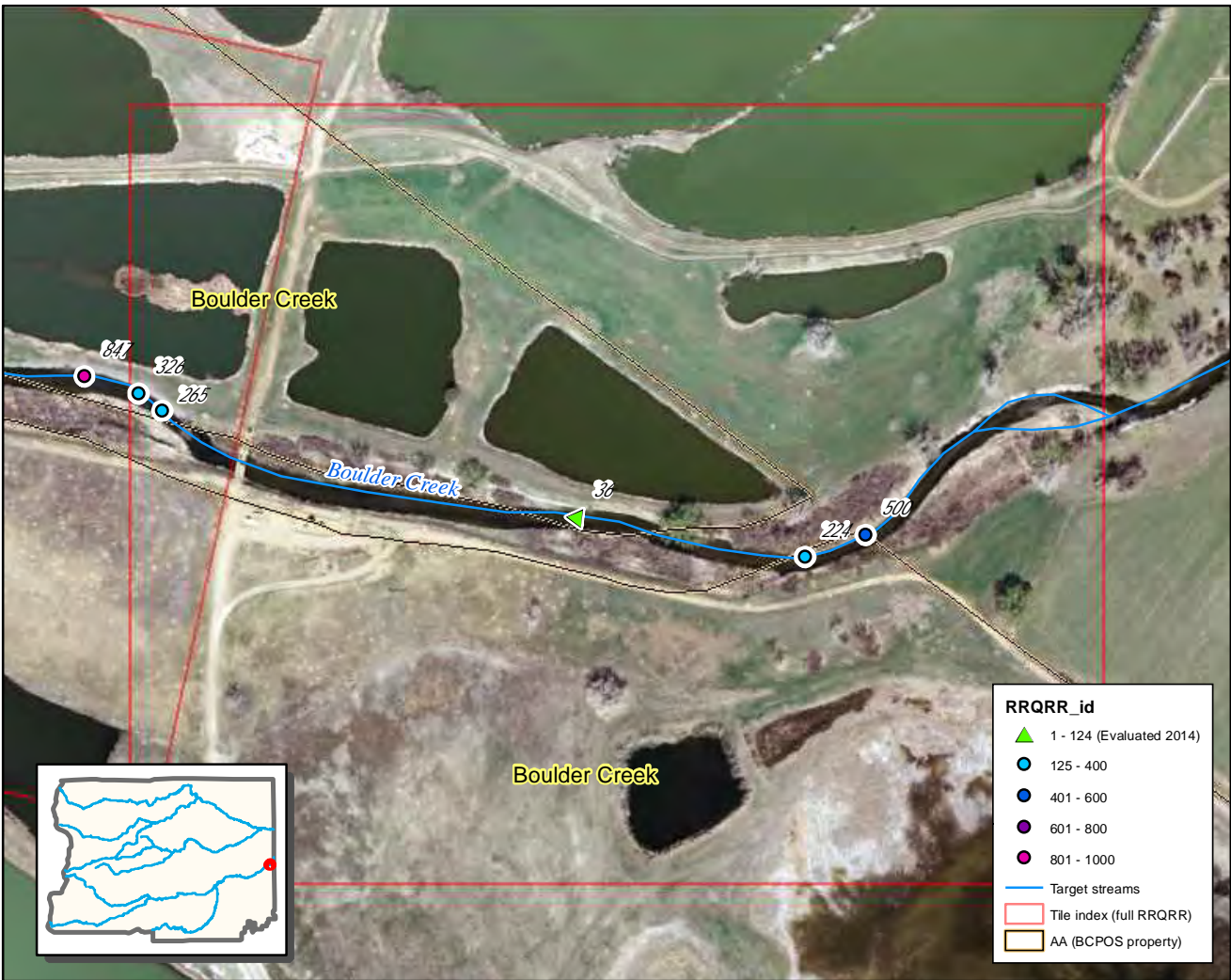
0 0.05 0.1 Km

RRQRR sample points

Tile 26



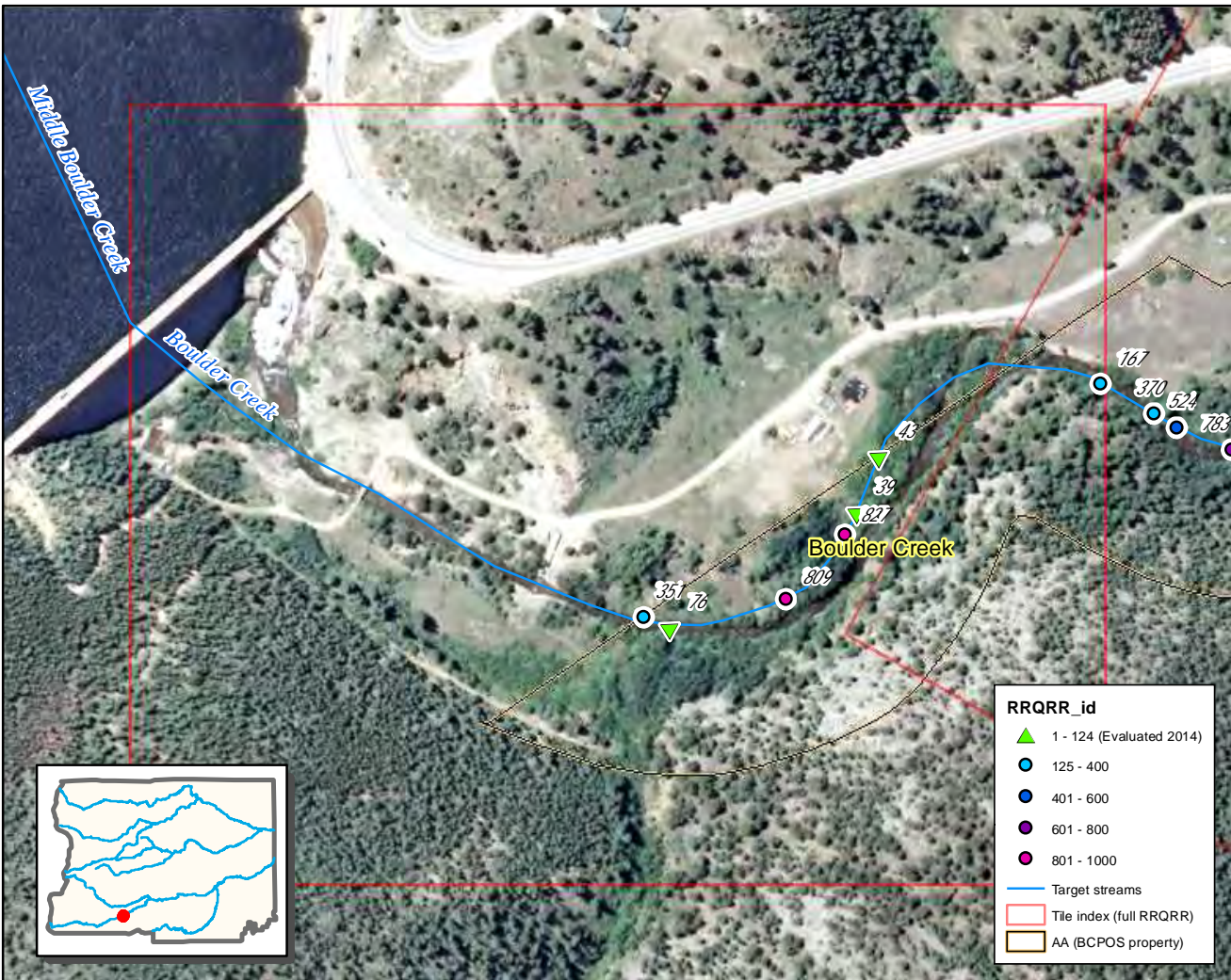
RRQRR sample points



0 0.05 0.1 Km

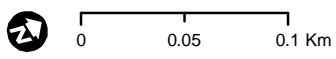
RRQRR sample points

Tile 29

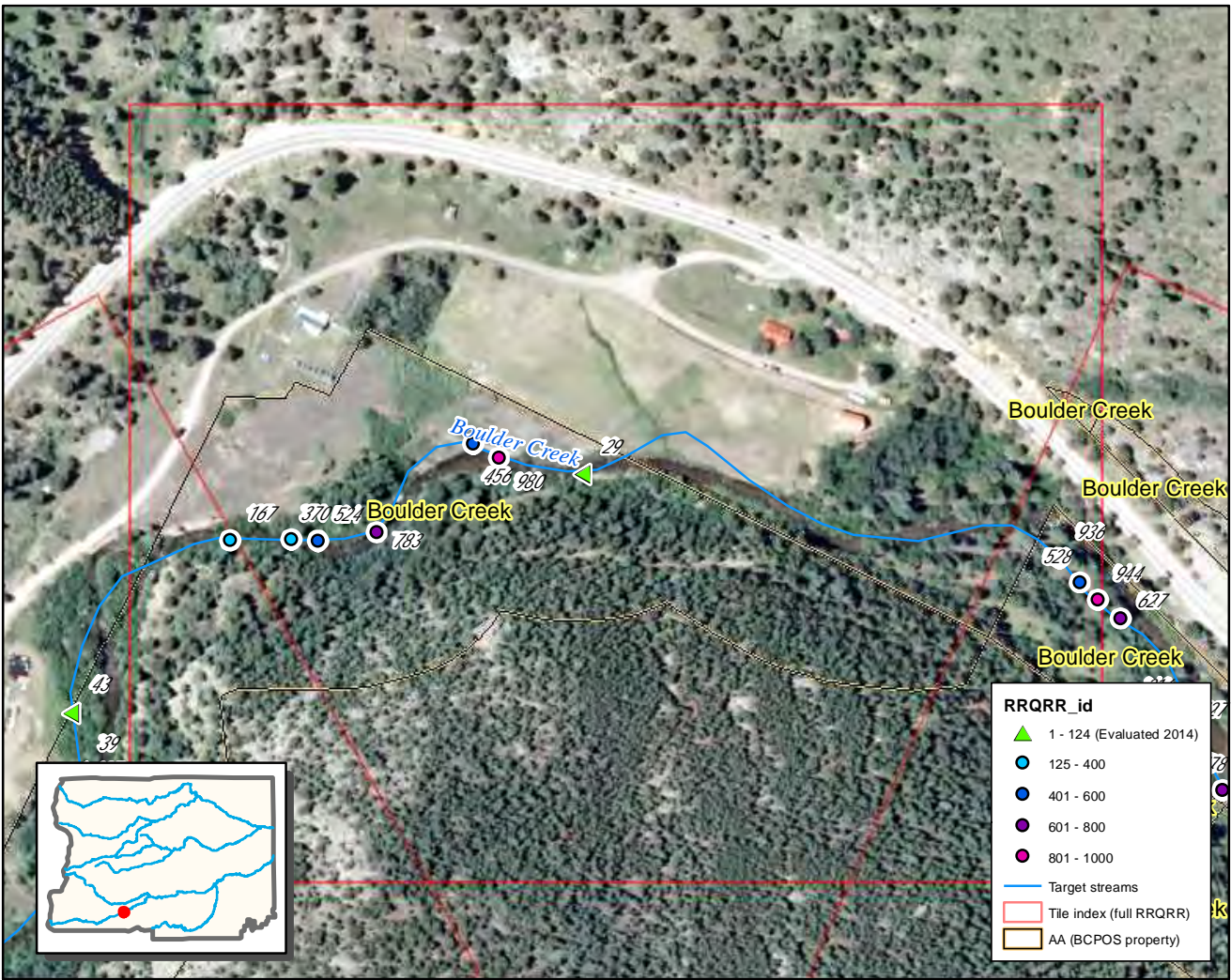


RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)



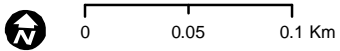
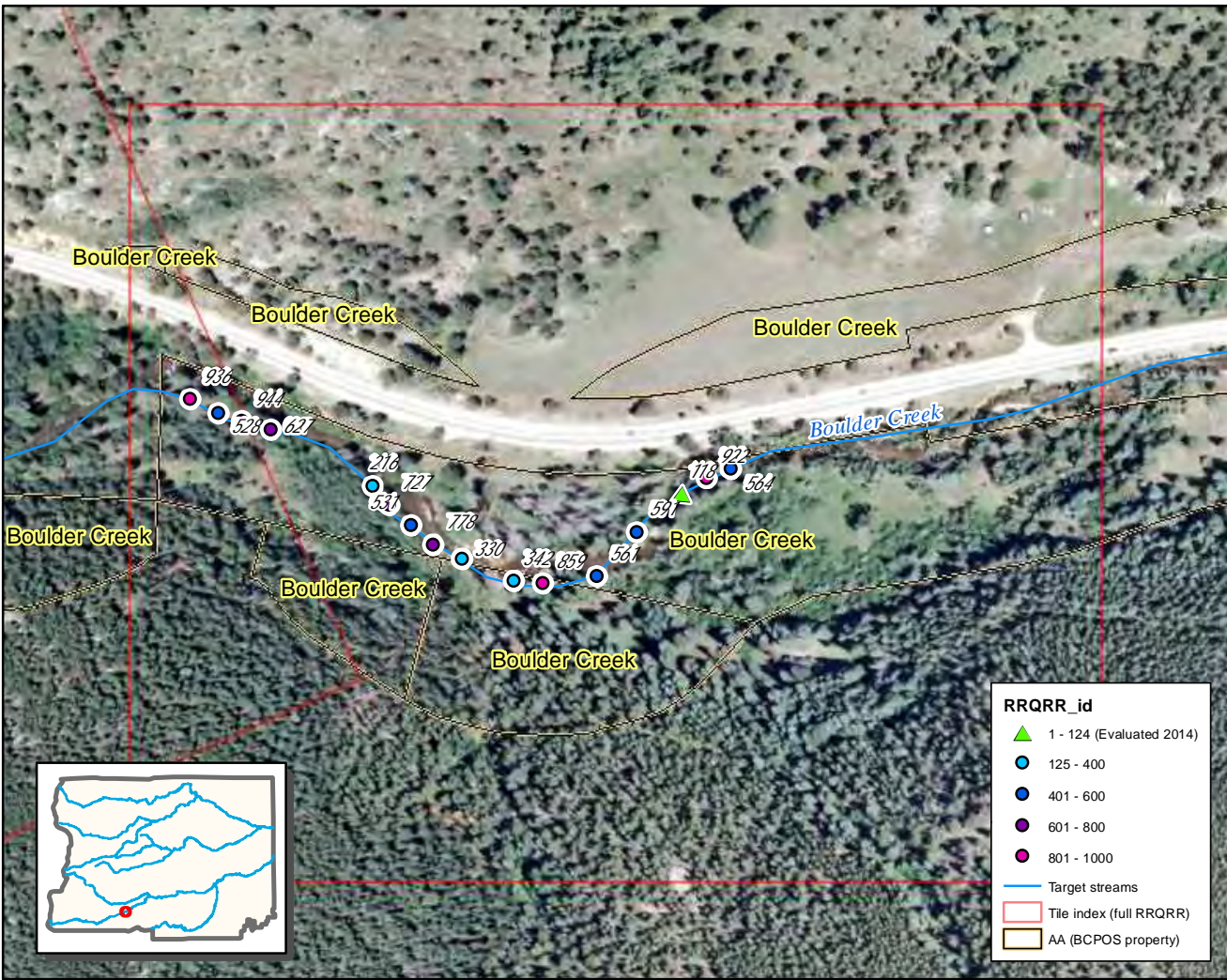
RRQRR sample points



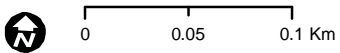
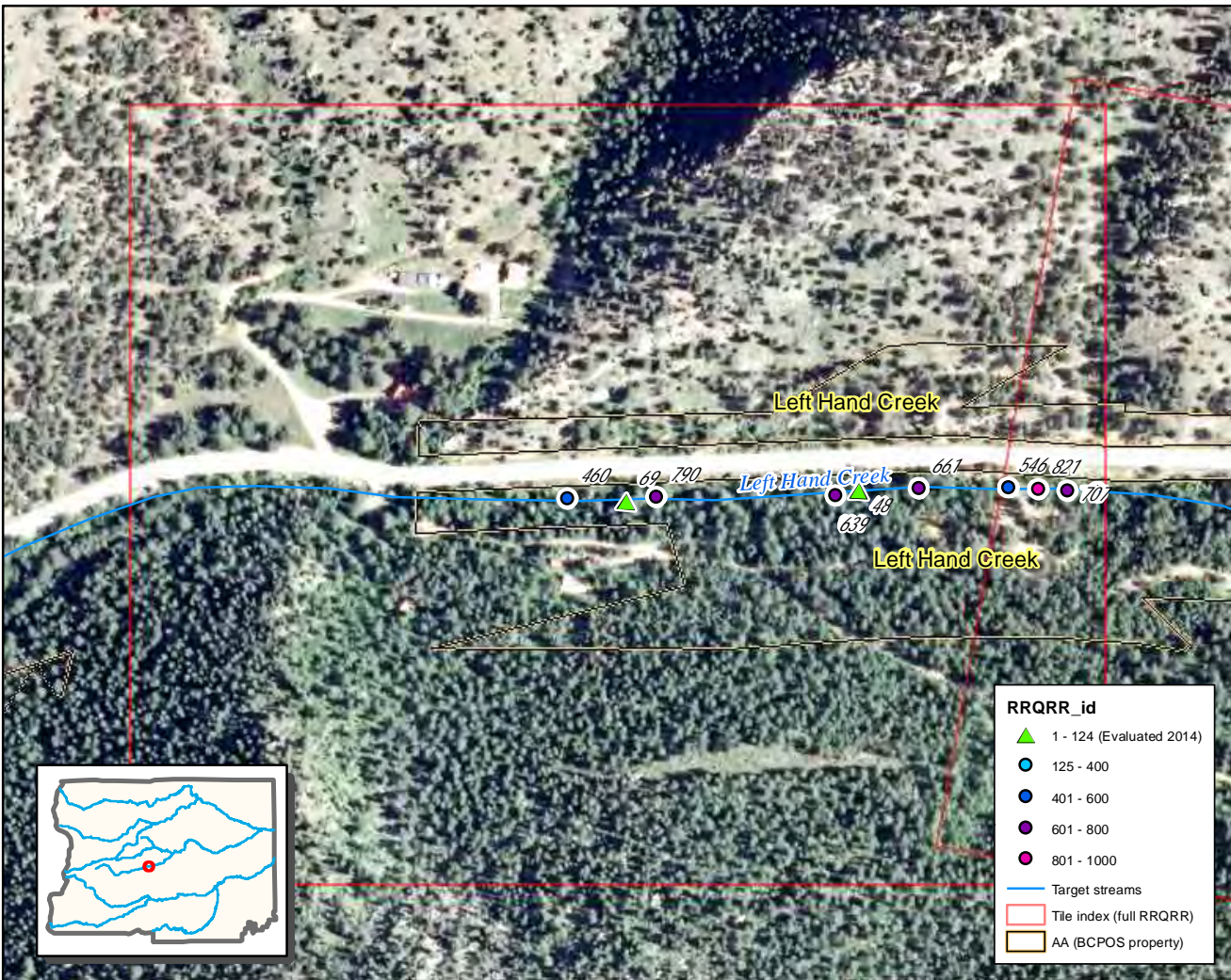
0 0.05 0.1 Km

RRQRR sample points

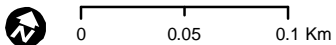
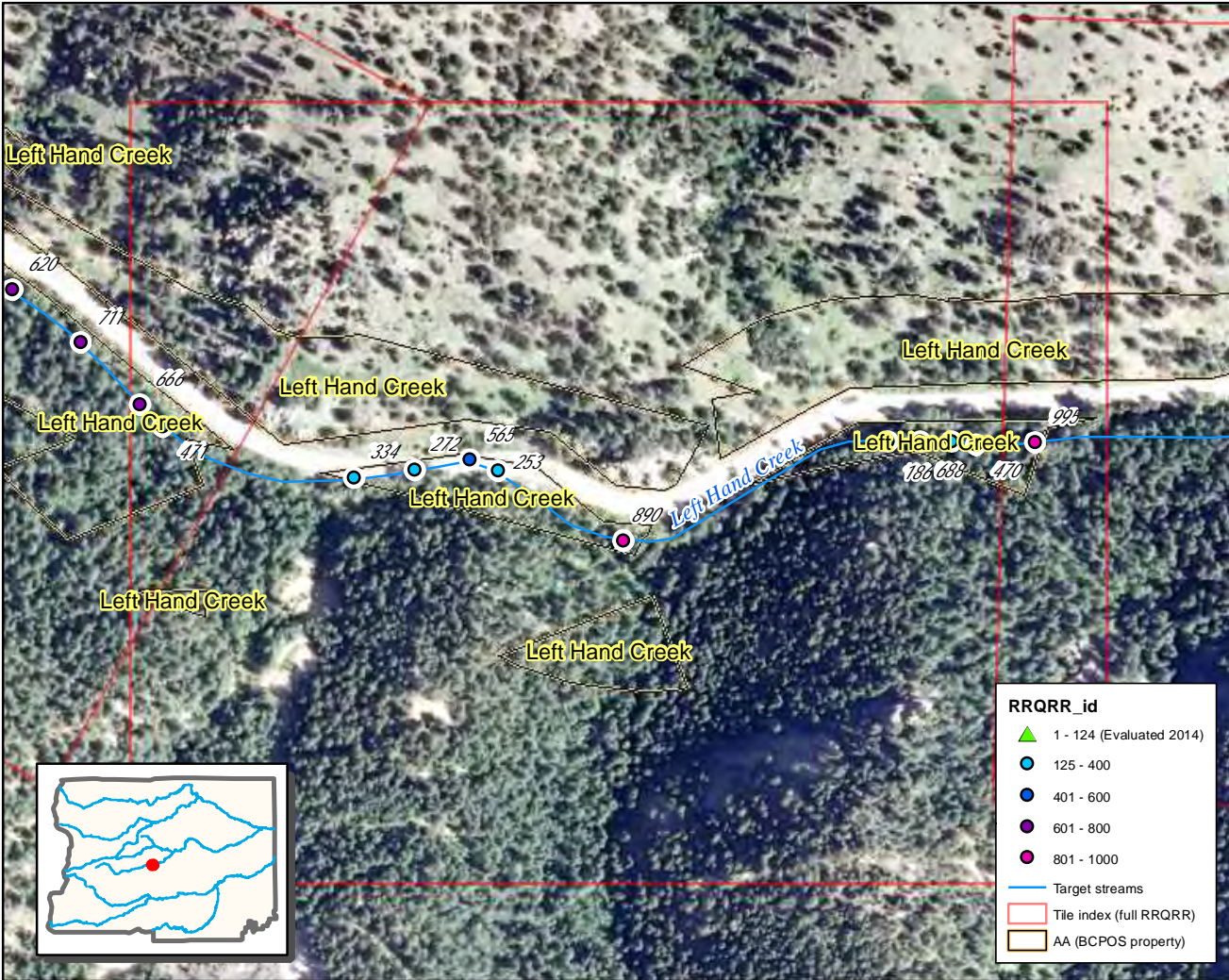
Tile 31



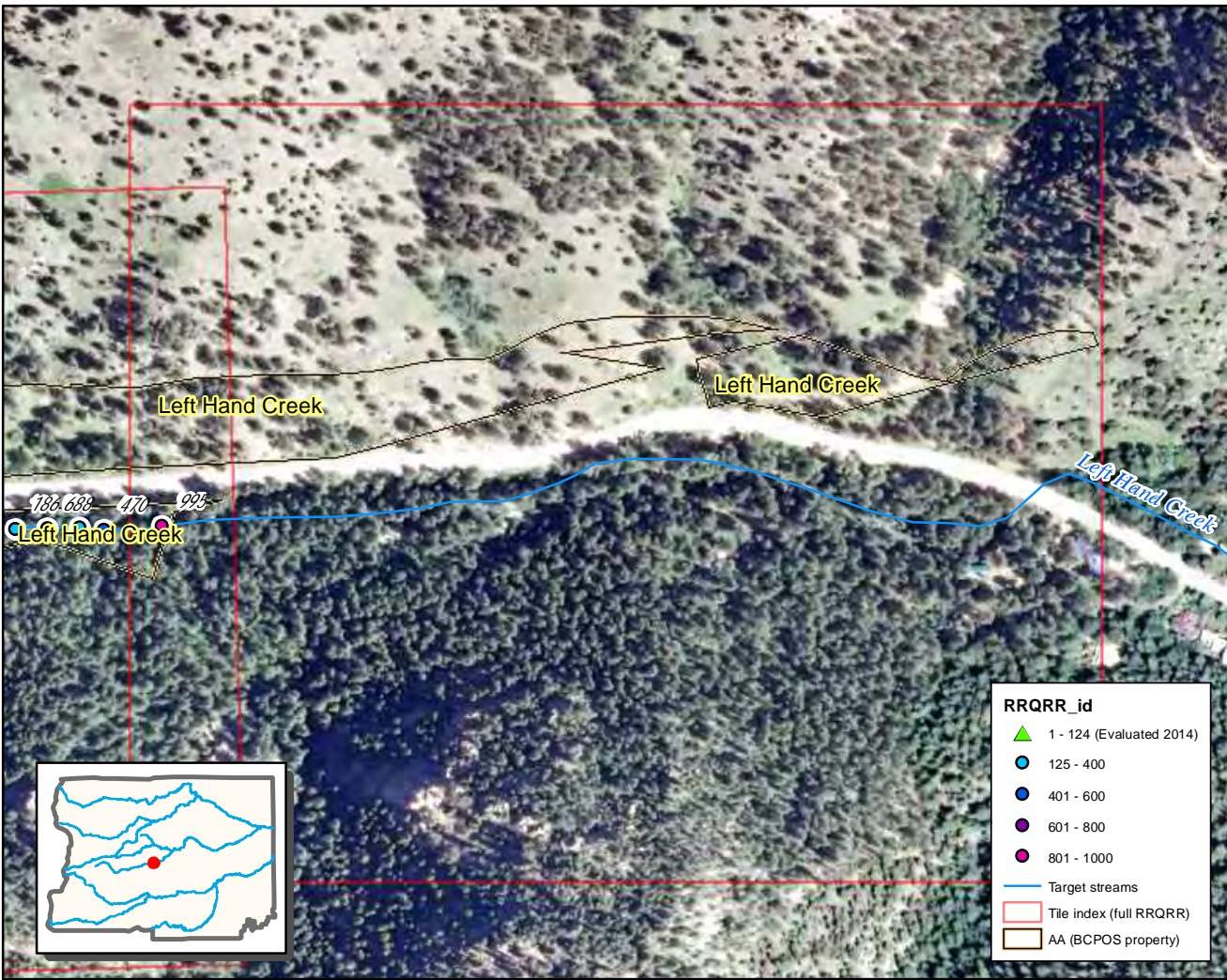
RRQRR sample points



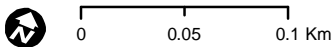
RRQRR sample points



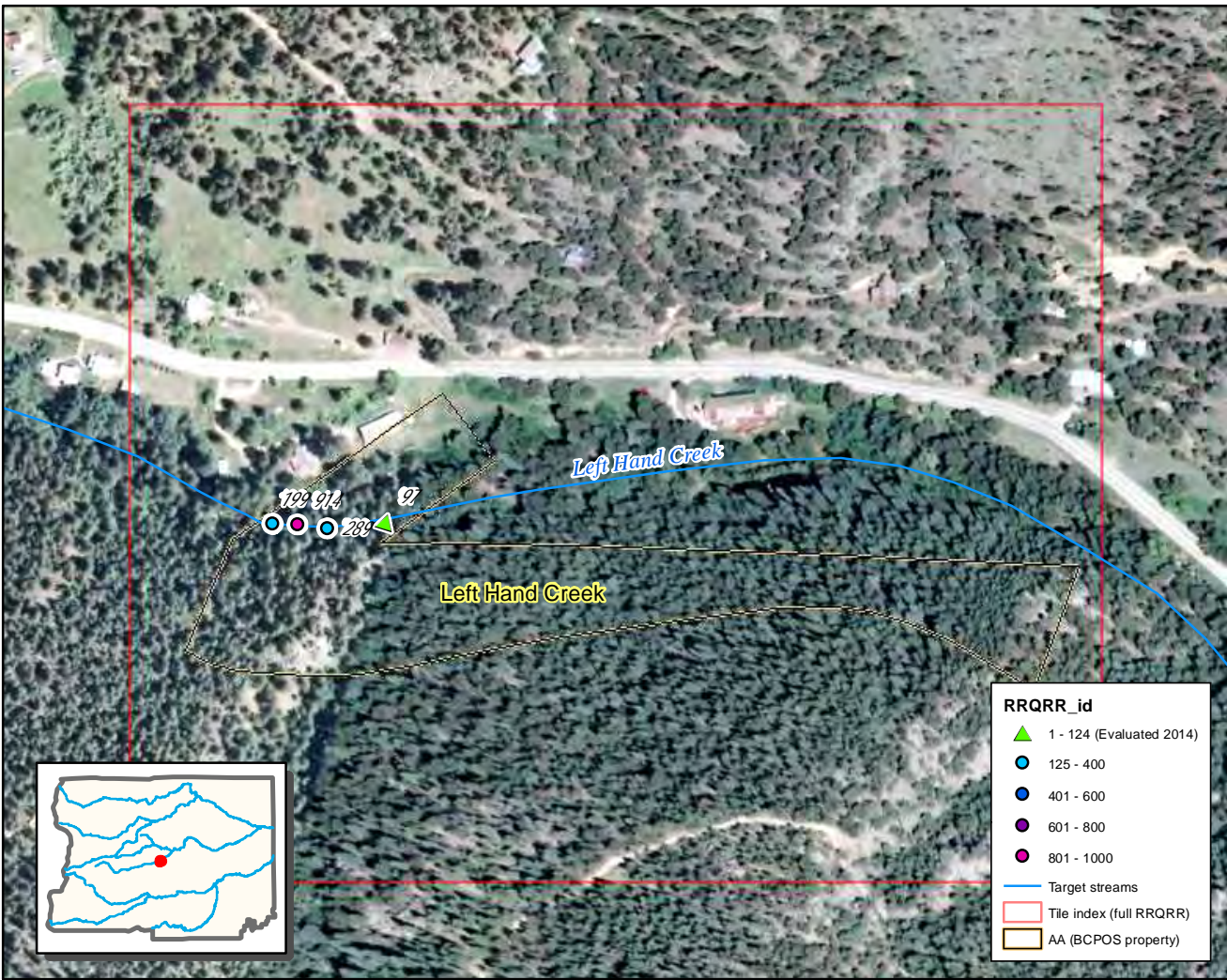
RRQRR sample points



RRQRR_id	
▲	1 - 124 (Evaluated 2014)
●	125 - 400
●	401 - 600
●	601 - 800
●	801 - 1000
—	Target streams
- - -	Tile index (full RRQRR)
▭	AA (BCPOS property)

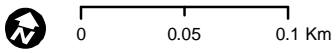


RRQRR sample points

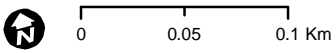
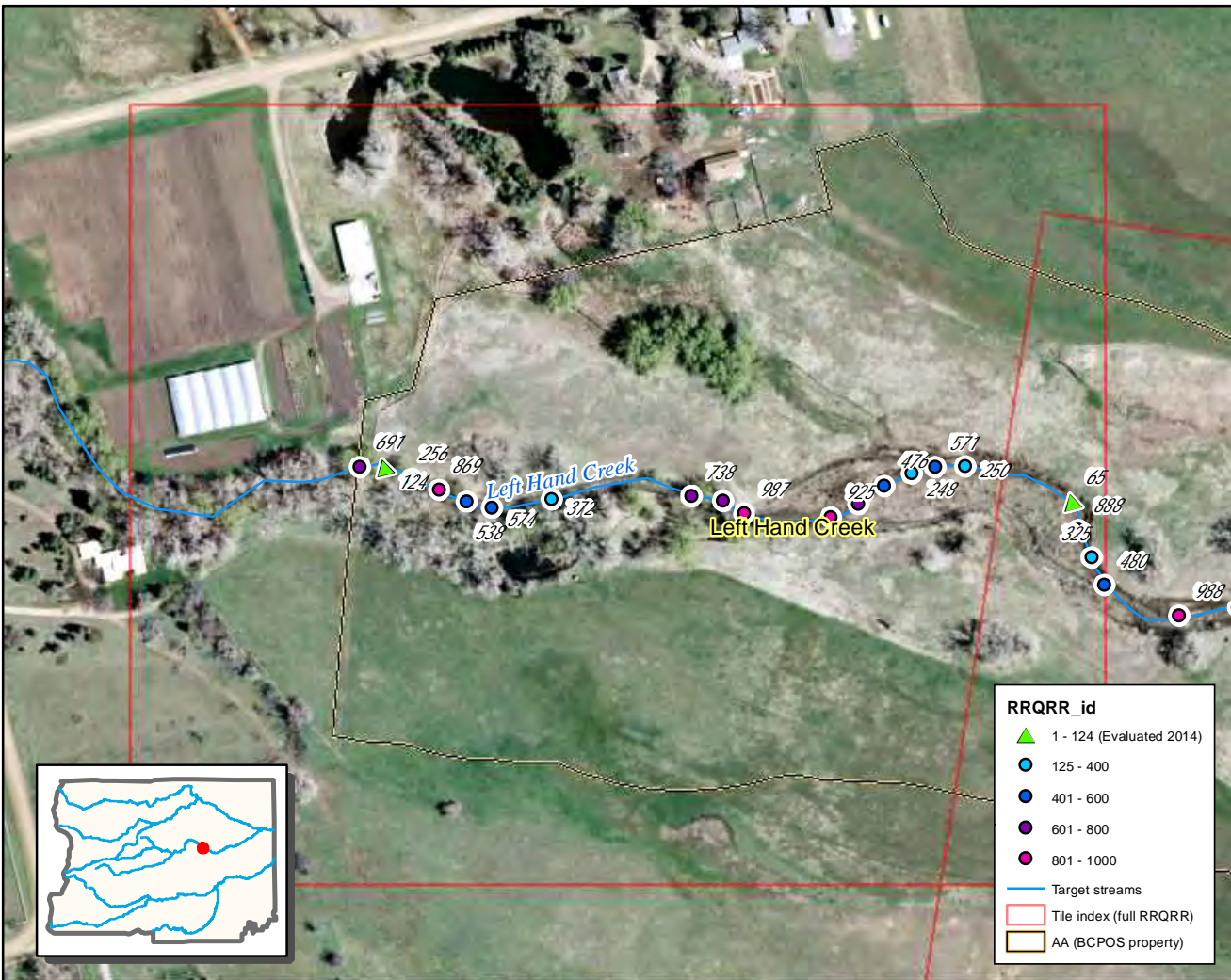


RRQRR_id

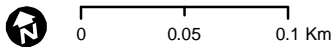
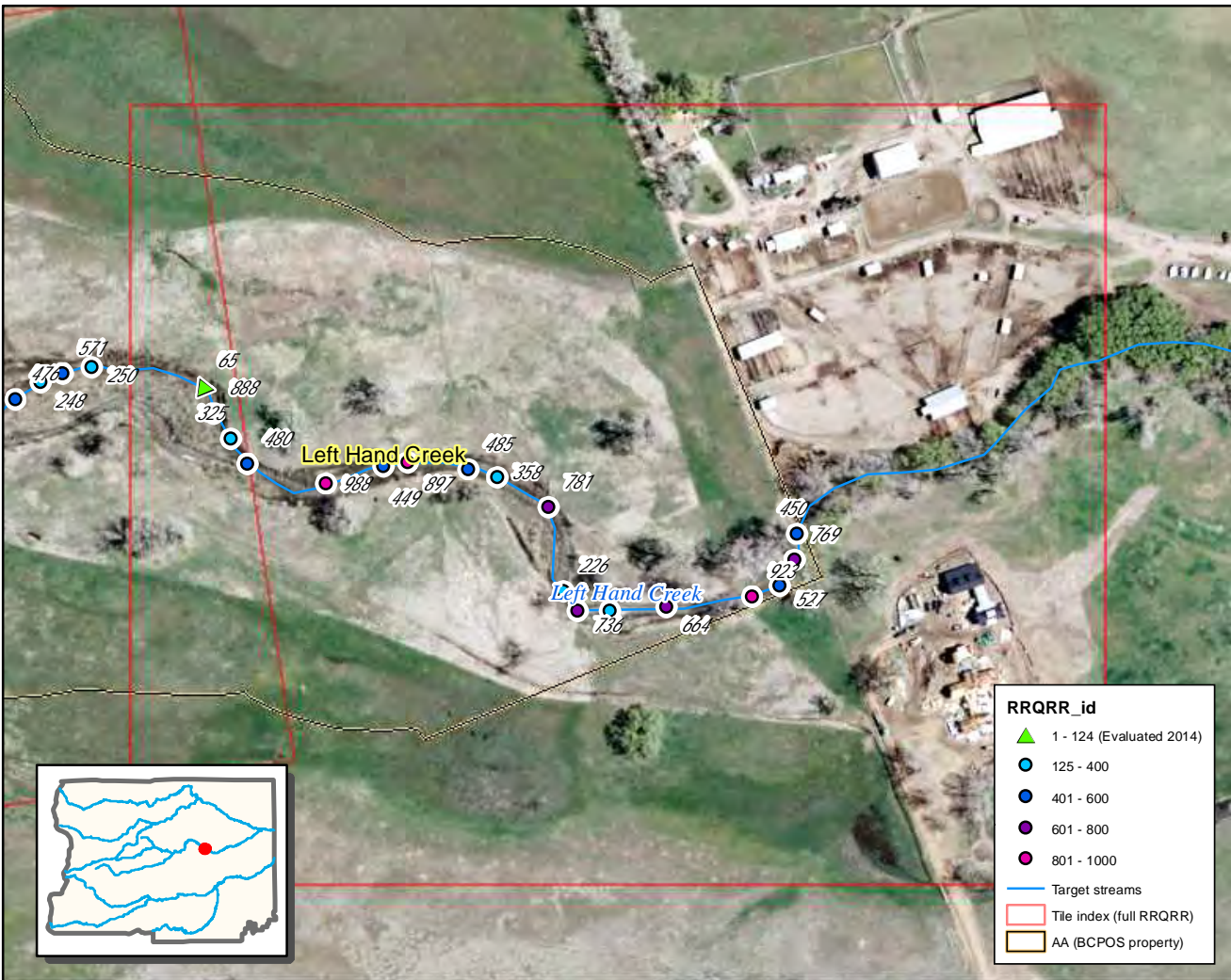
- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)



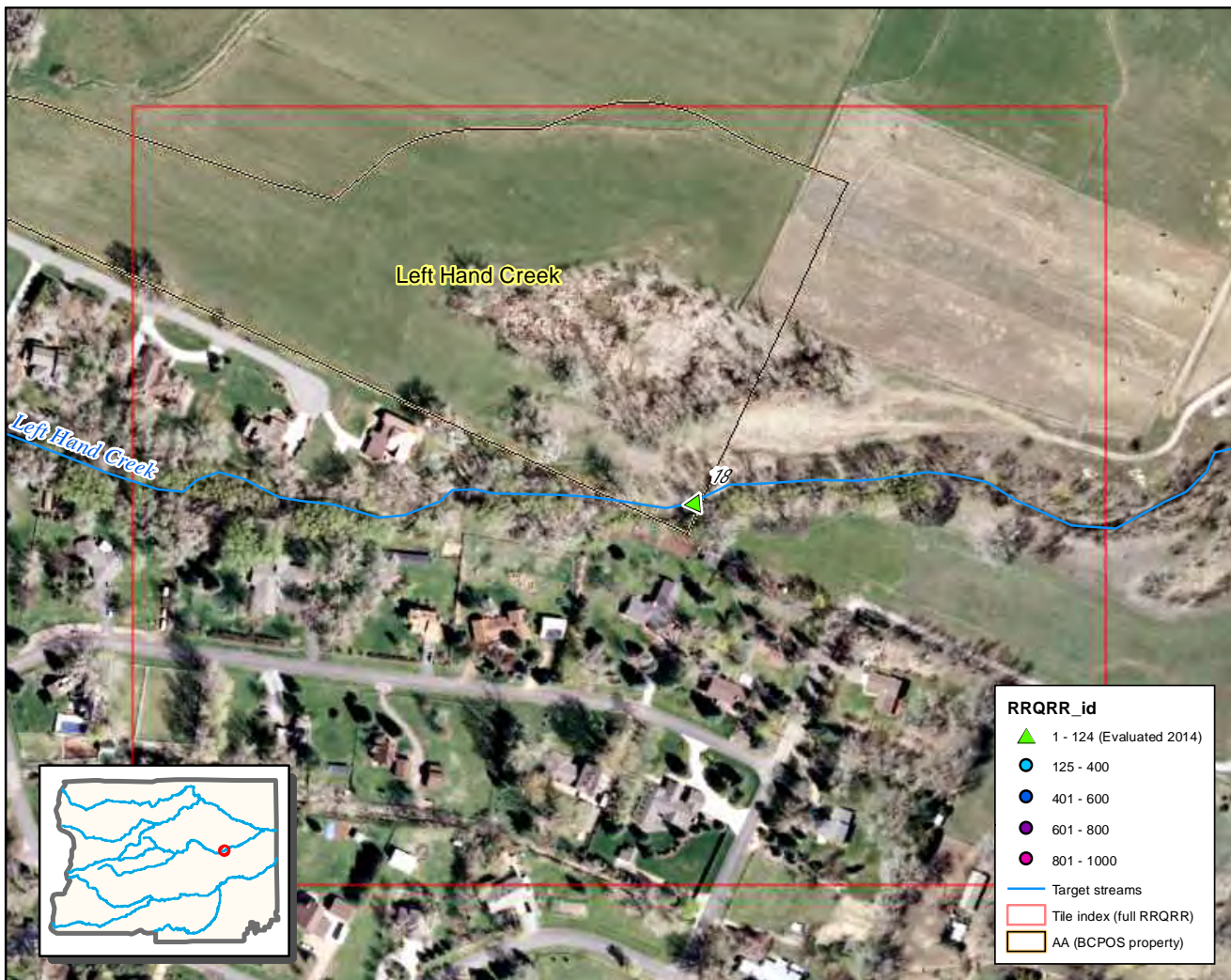
RRQRR sample points



RRQRR sample points

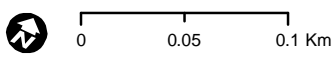


RRQRR sample points



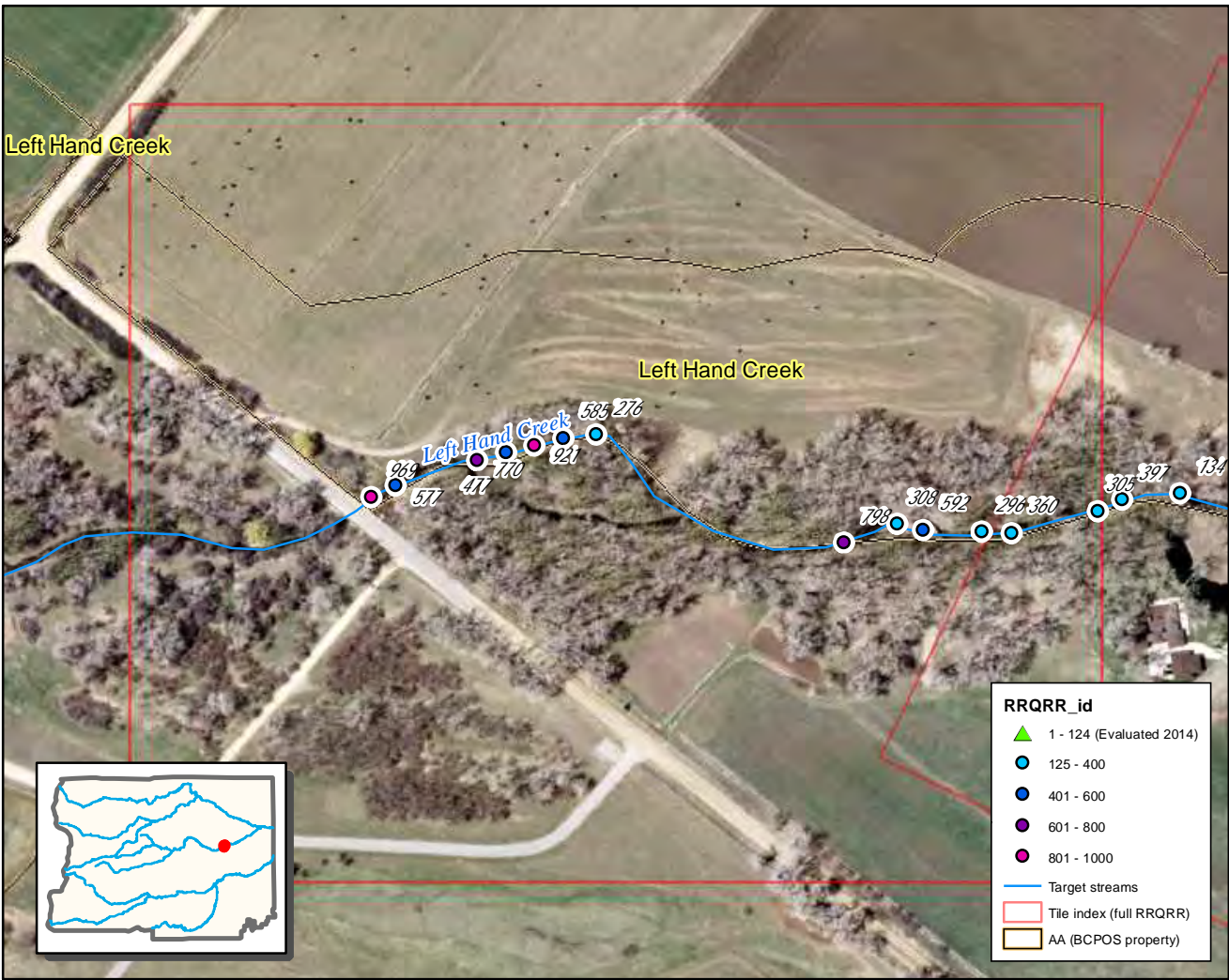
RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)



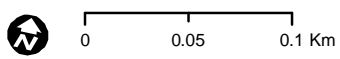
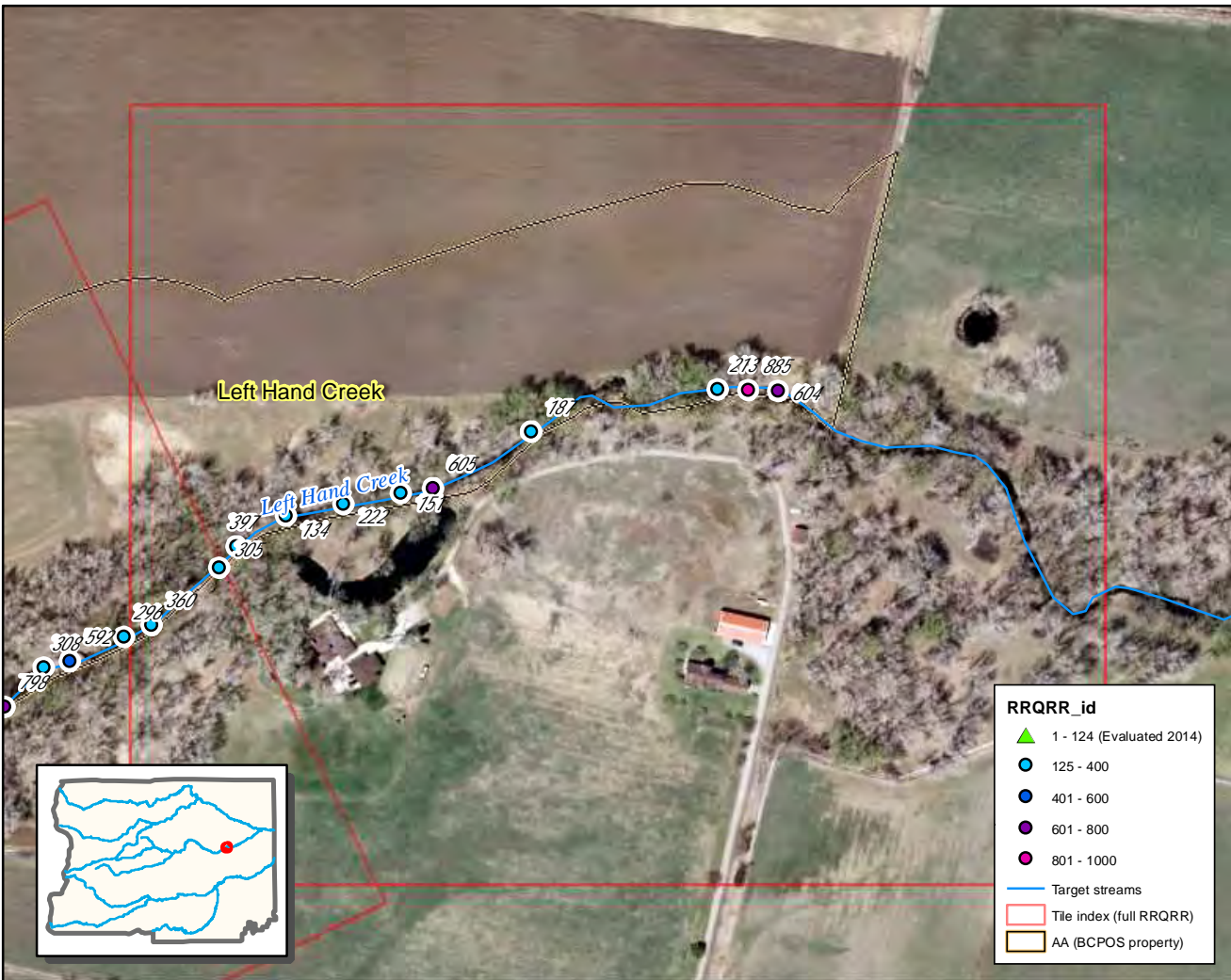
RRQRR sample points

Tile 40

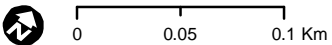
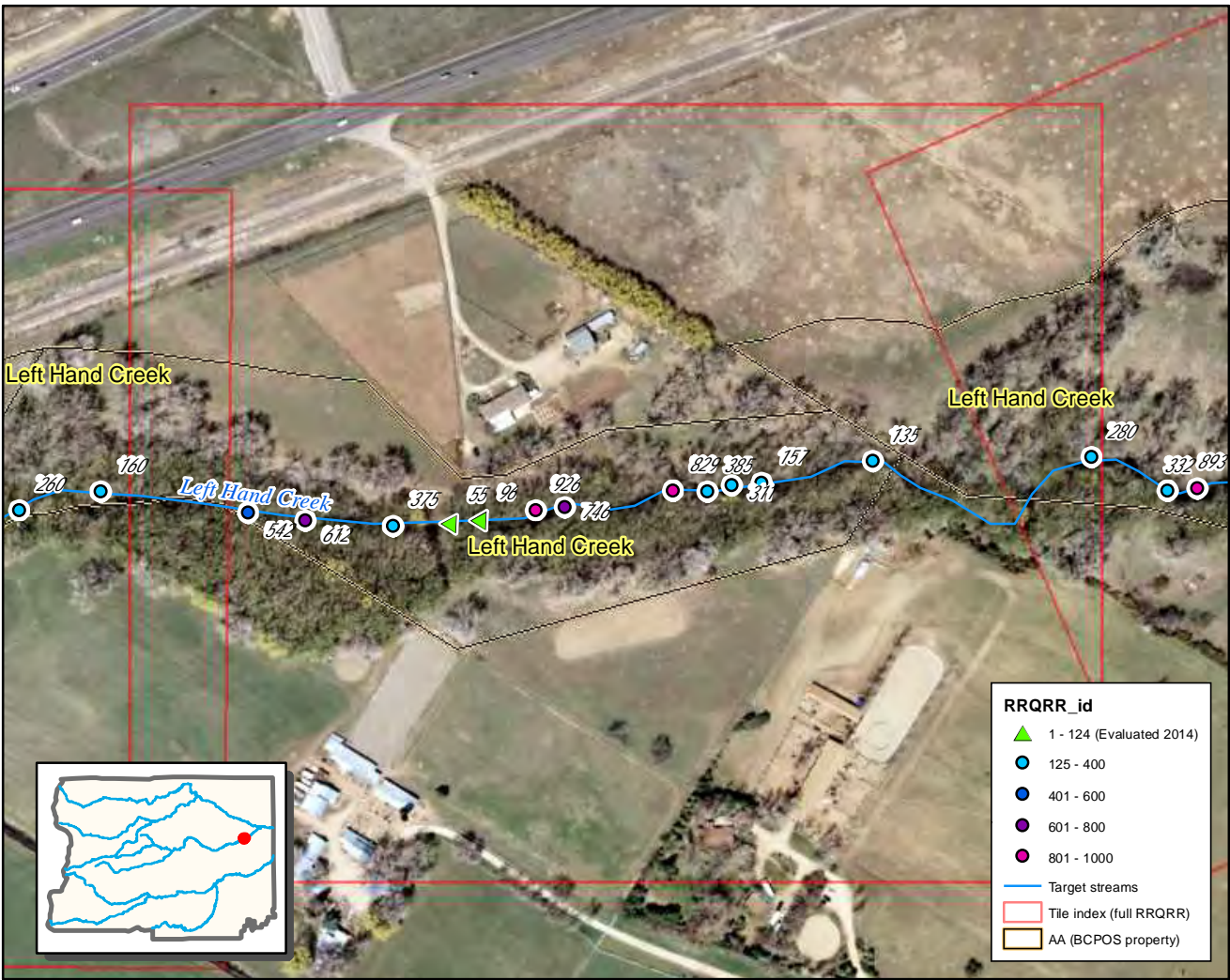


0 0.05 0.1 Km

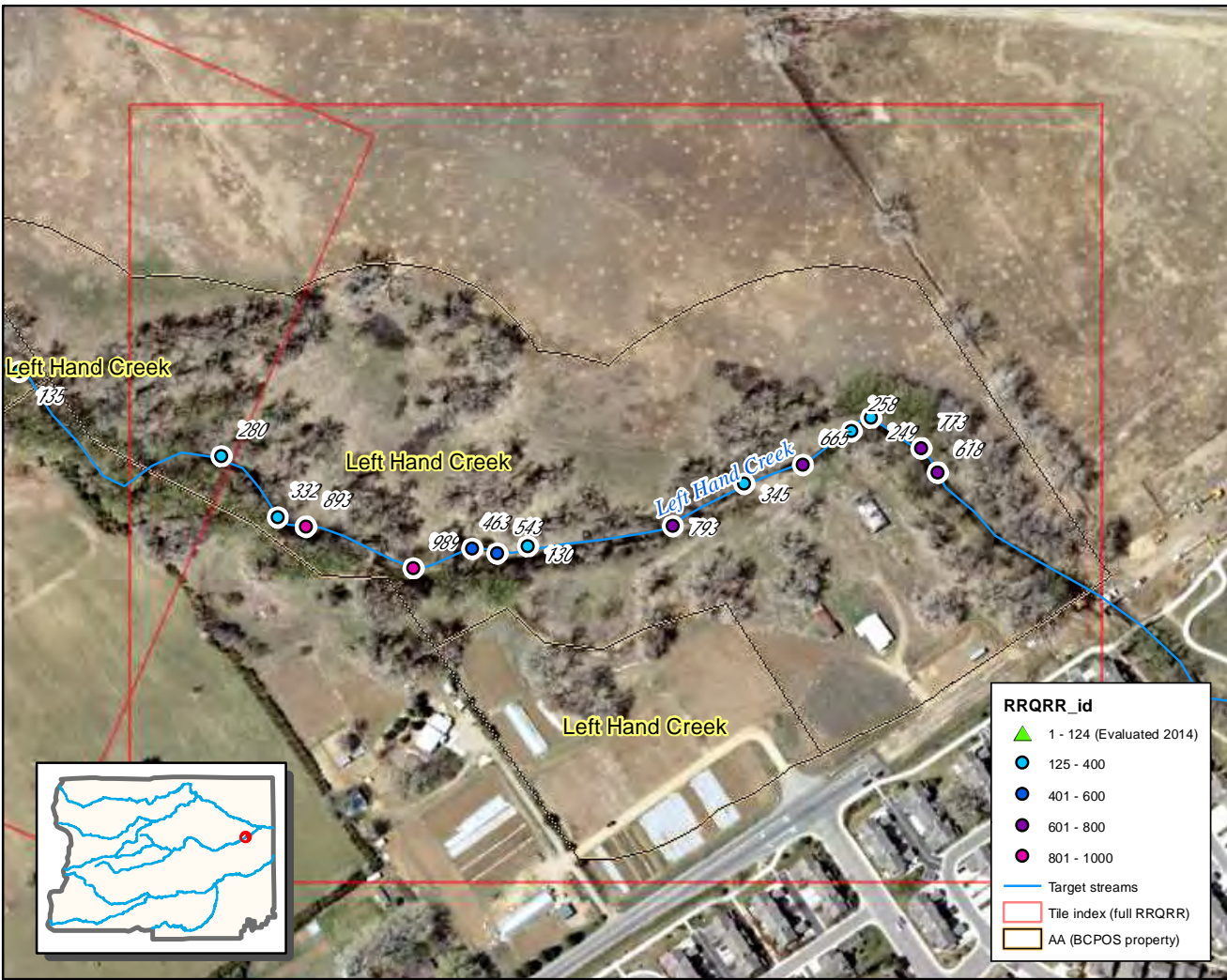
RRQRR sample points



RRQRR sample points

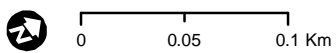


RRQRR sample points



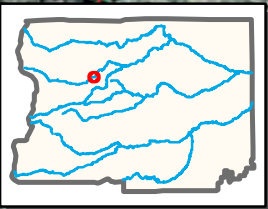
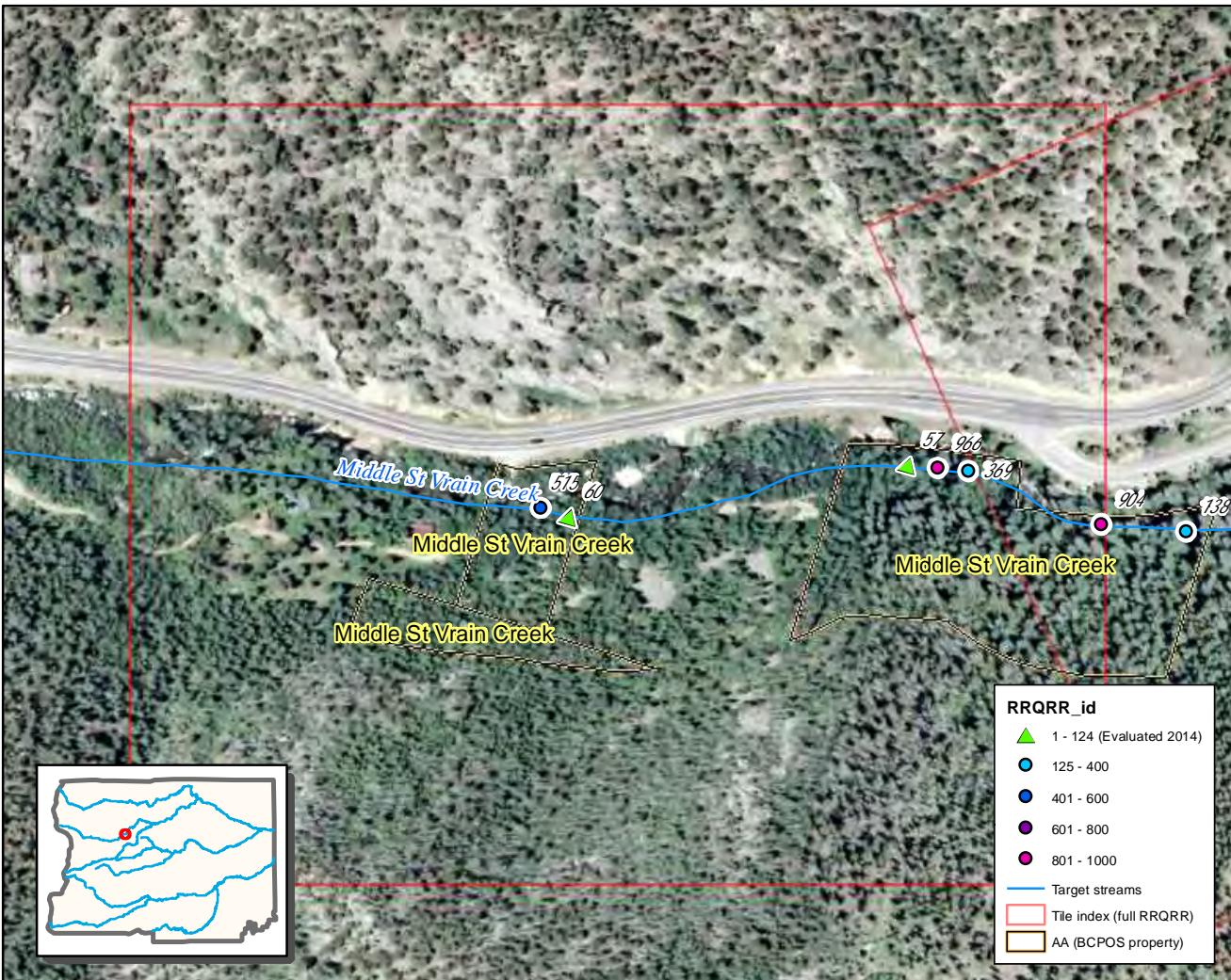
RRQR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQR)
- AA (BCPOS property)

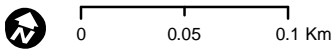


RRQR sample points

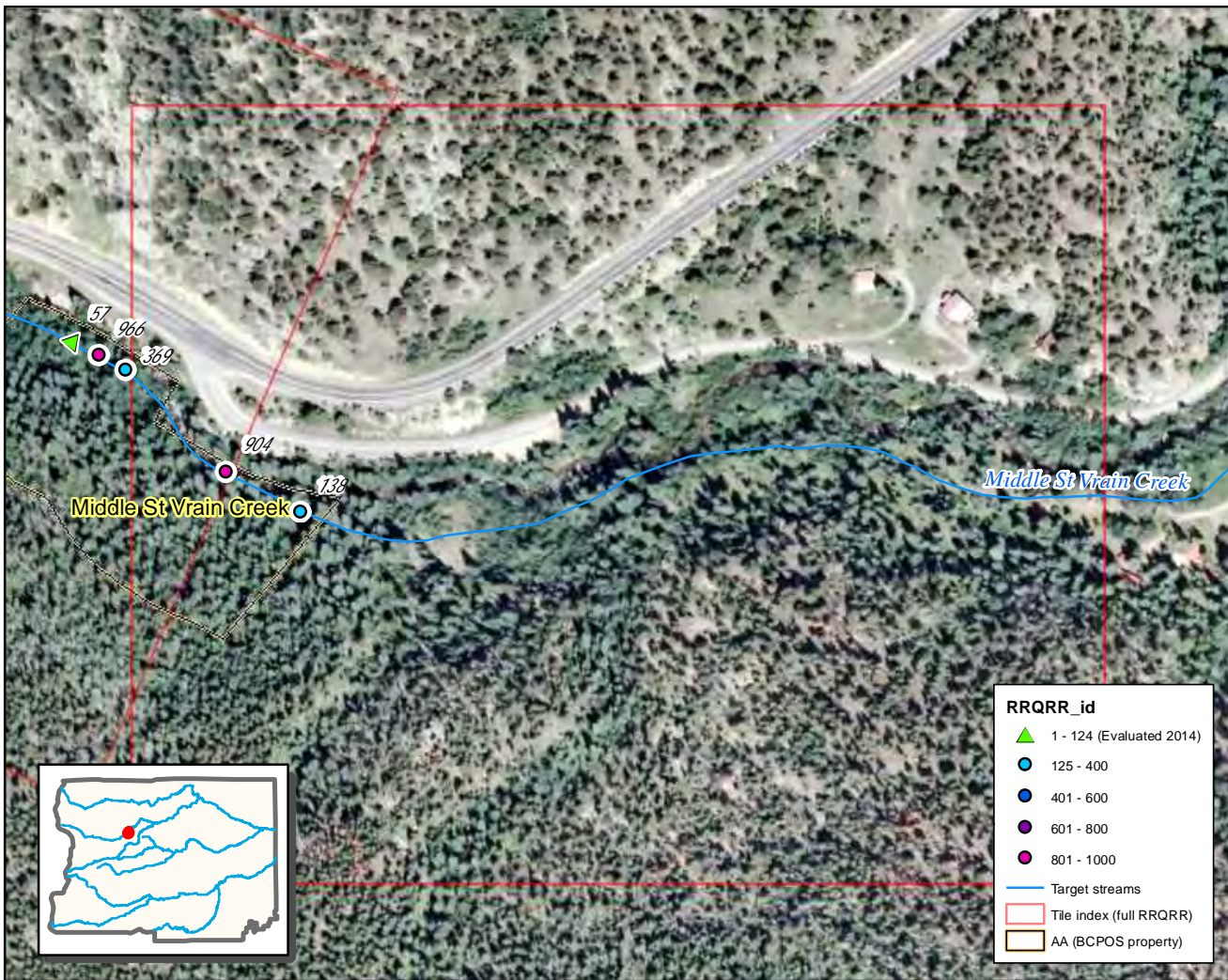
Tile 45



RRQRR_id	
▲	1 - 124 (Evaluated 2014)
●	125 - 400
●	401 - 600
●	601 - 800
●	801 - 1000
—	Target streams
□	Tile index (full RRQRR)
□	AA (BCPOS property)



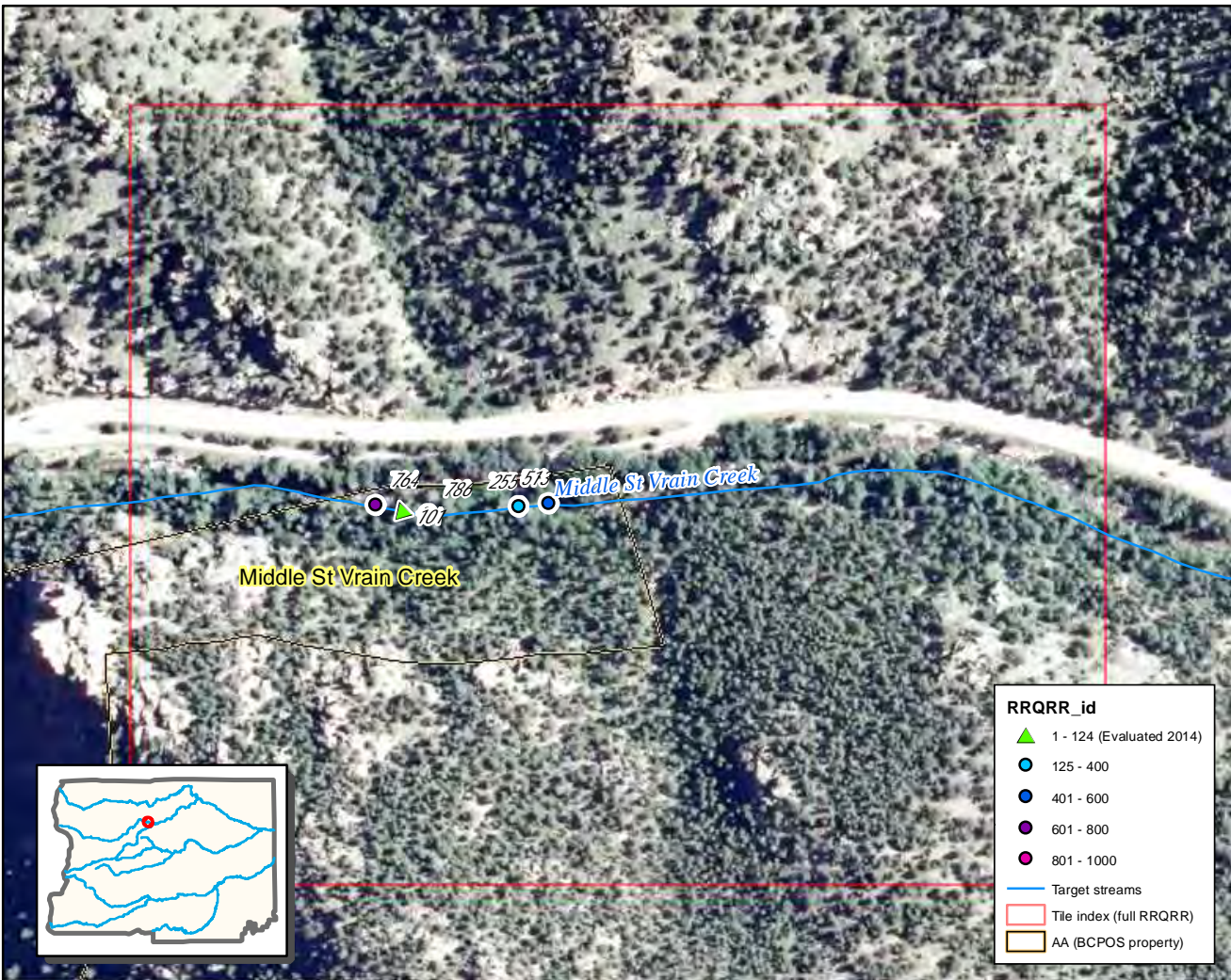
RRQRR sample points



0 0.05 0.1 Km

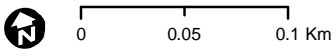
RRQRR sample points

Tile 47

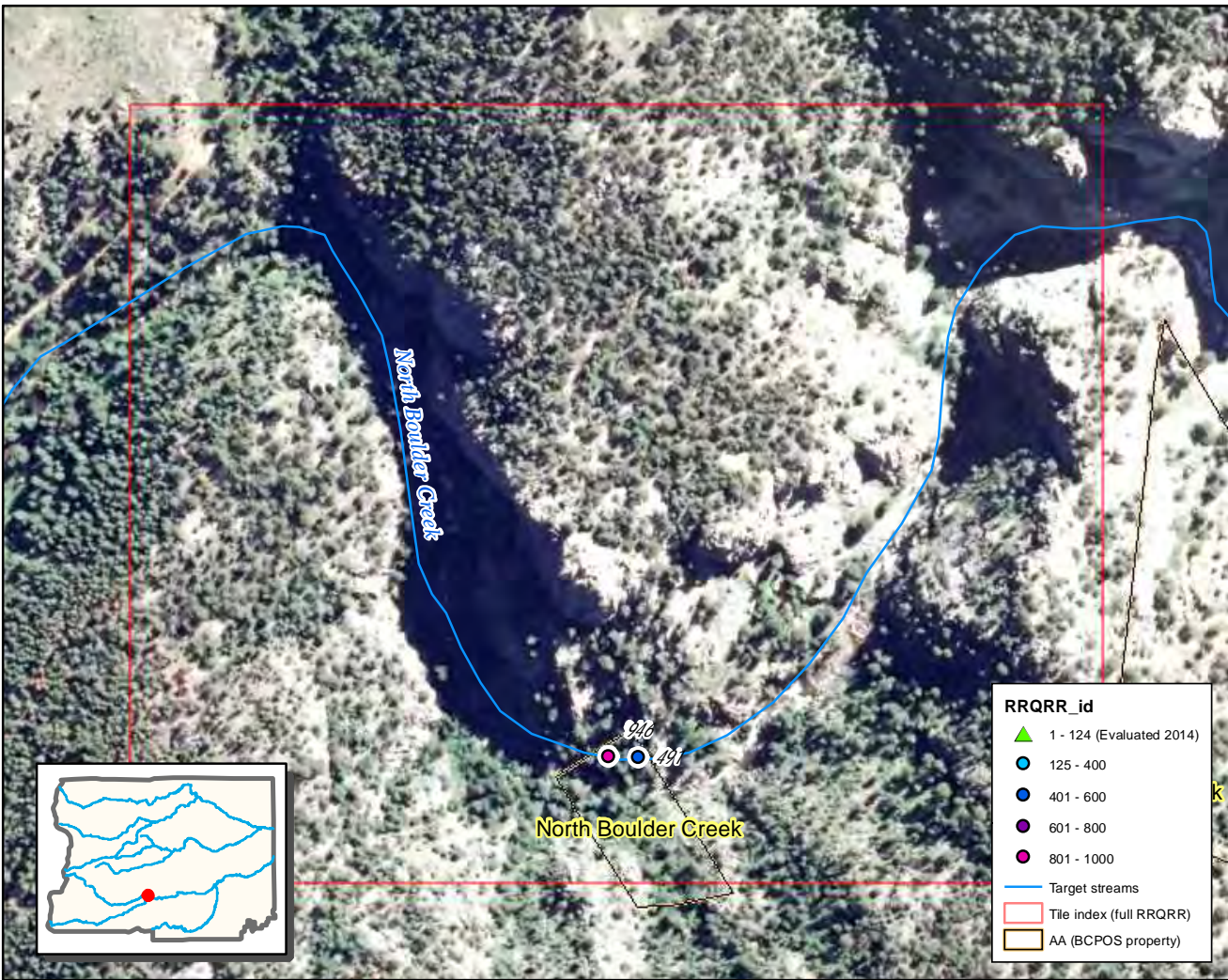


RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)



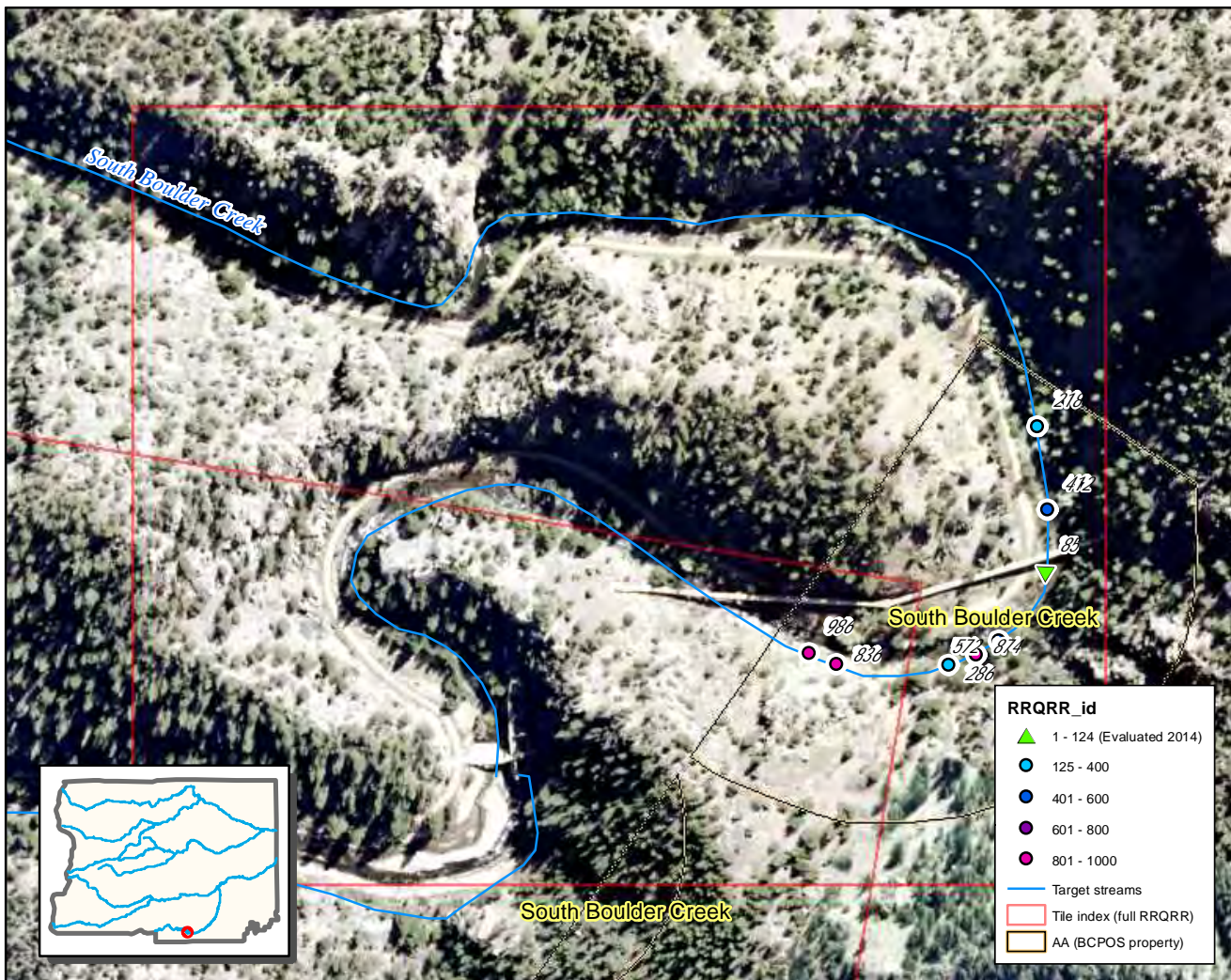
RRQRR sample points



0 0.05 0.1 Km

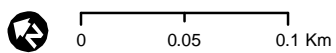
RRQRR sample points

Tile 49

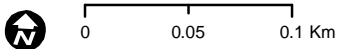
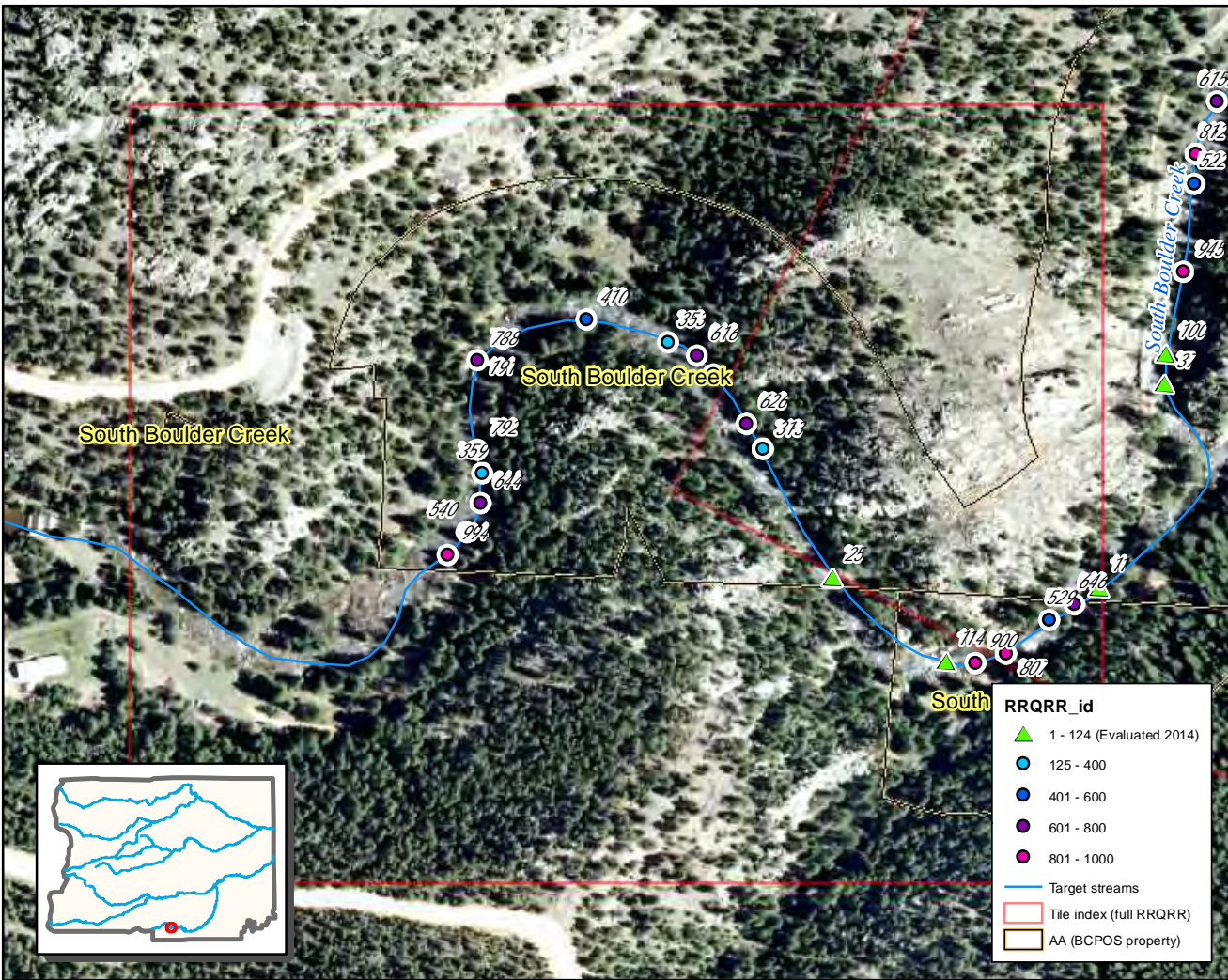


RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)

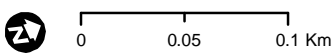
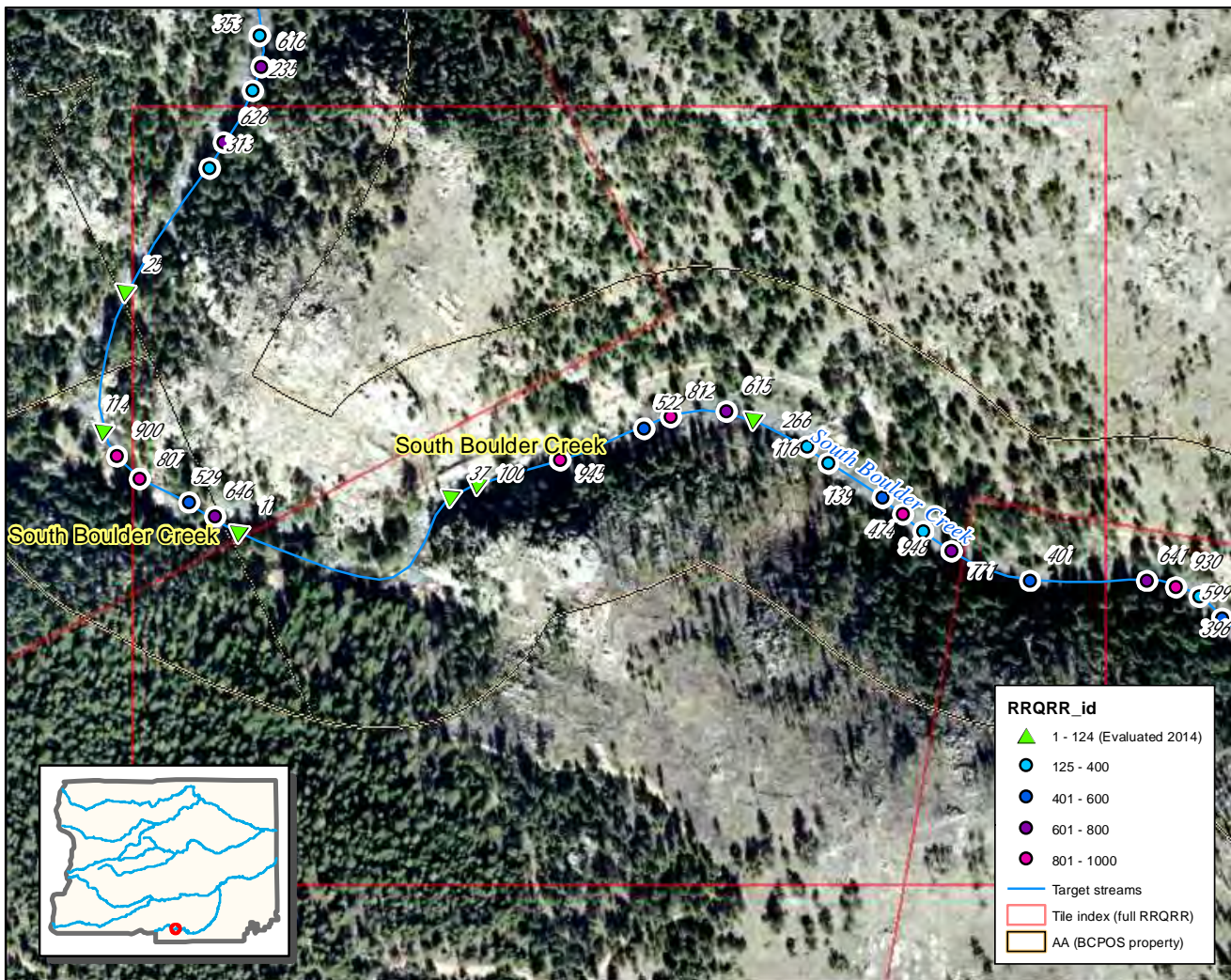


RRQRR sample points

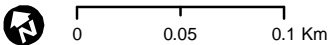
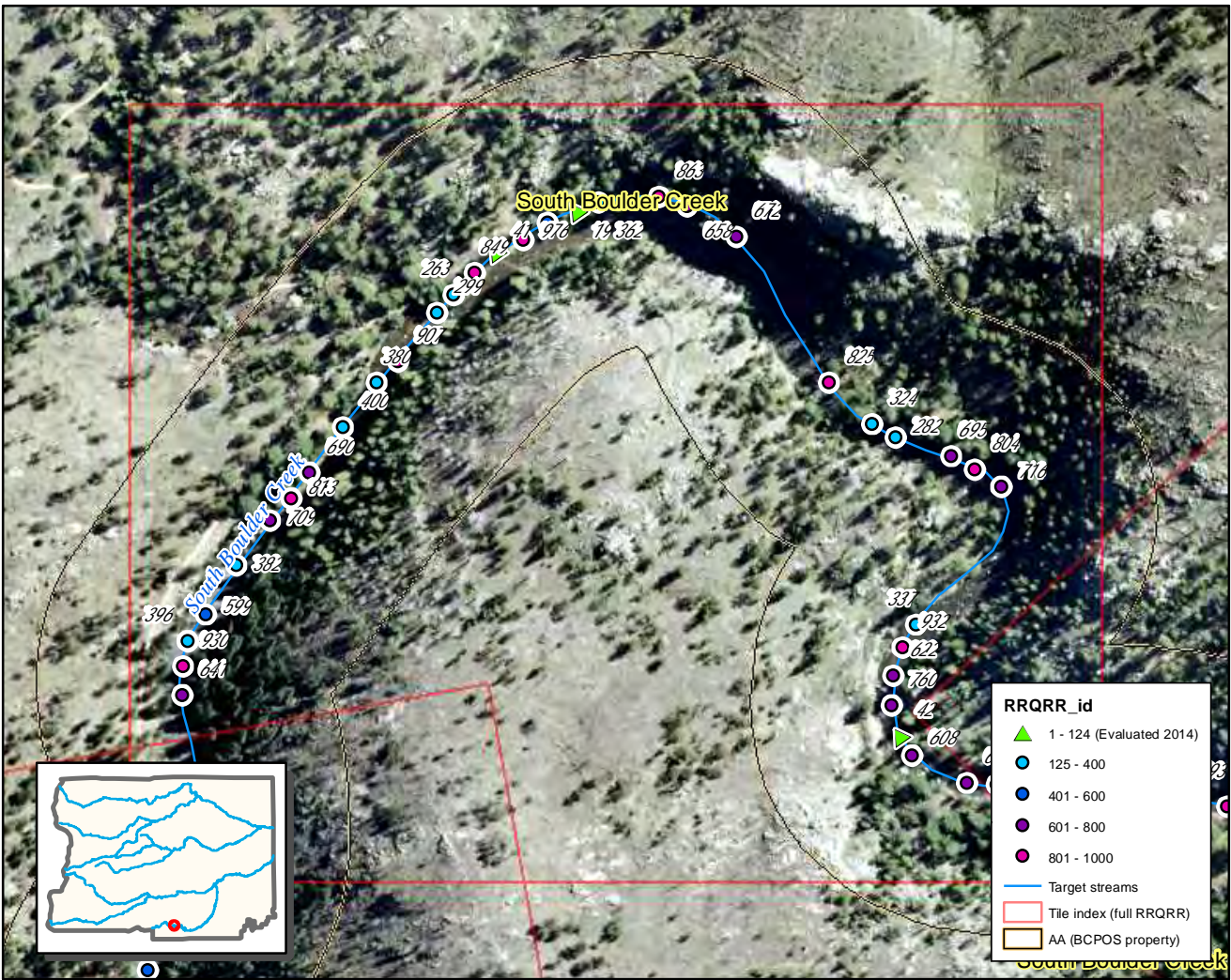


RRQRR sample points

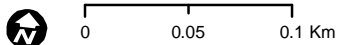
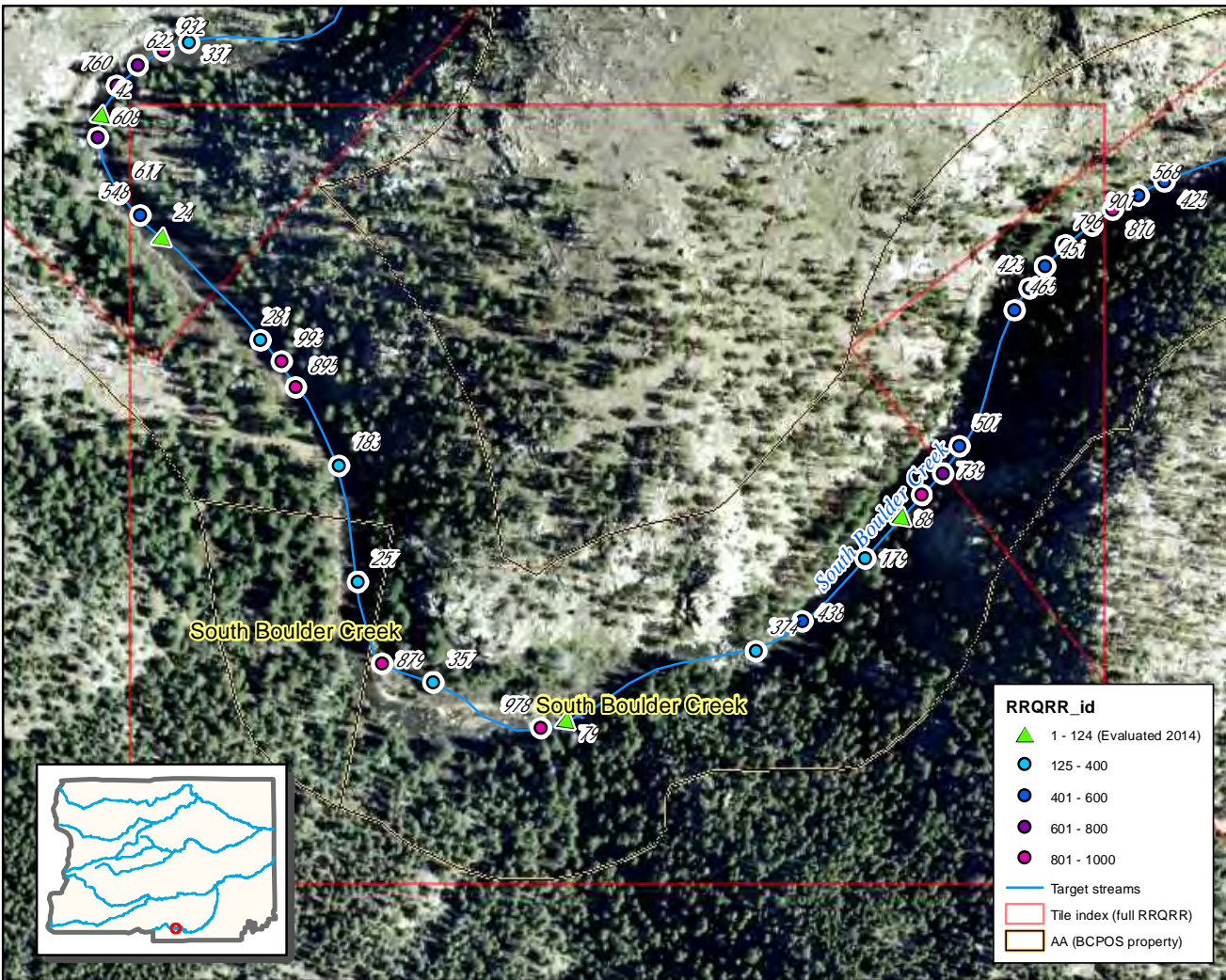
Tile 51



RRQRR sample points

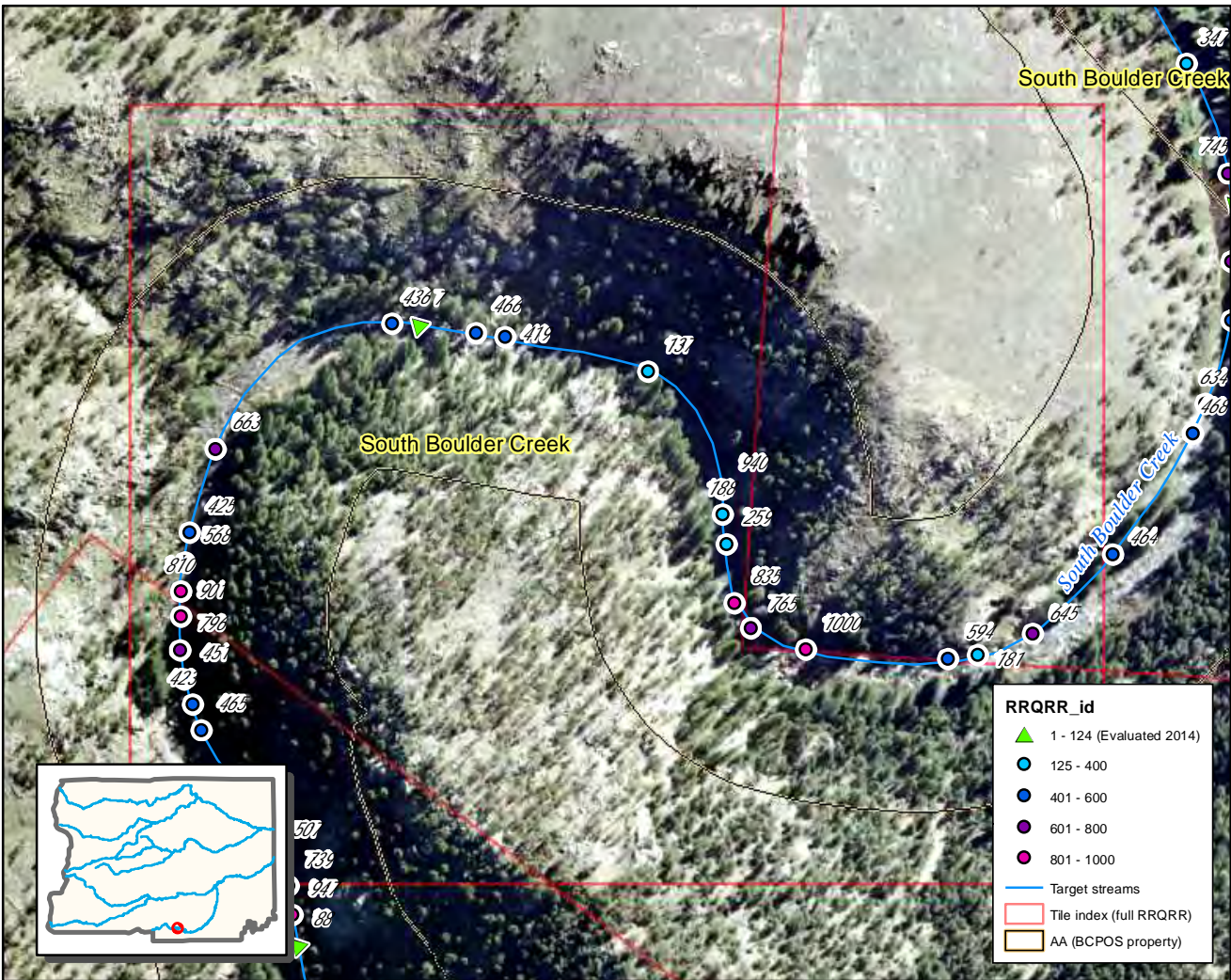


RRQRR sample points



RRQRR sample points

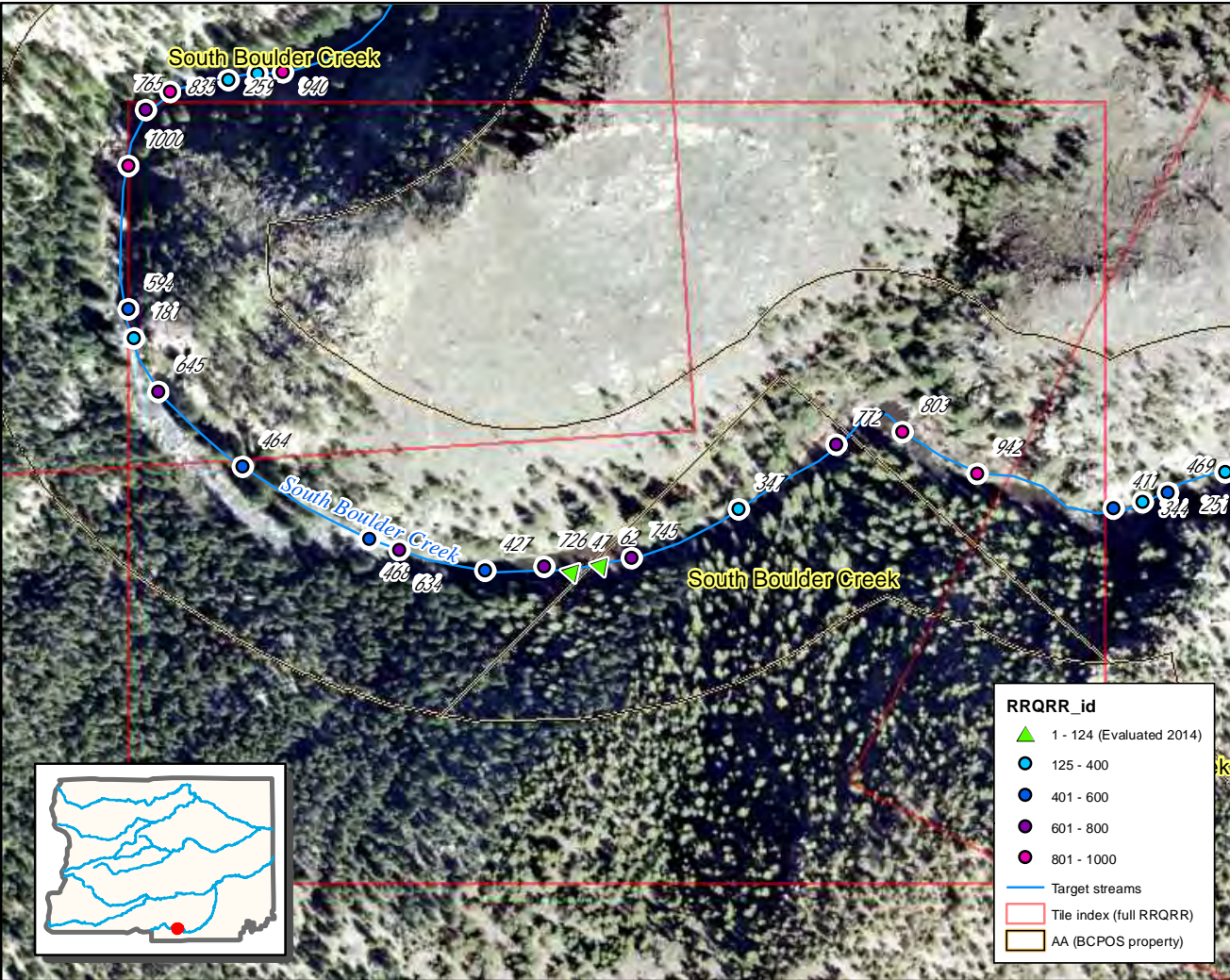
Tile 54



0 0.05 0.1 Km

RRQRR sample points

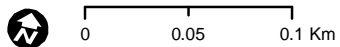
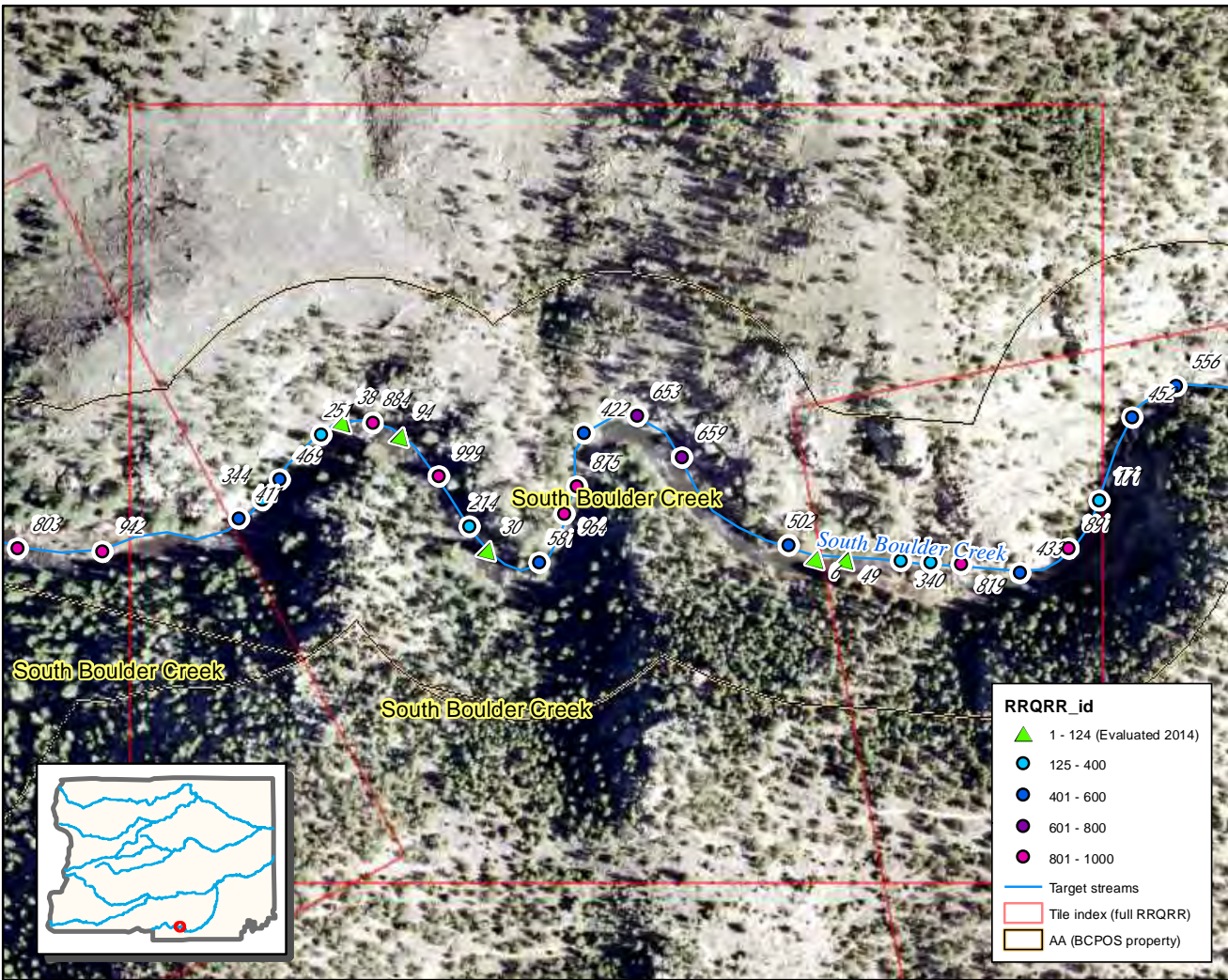
Tile 55



0 0.05 0.1 Km

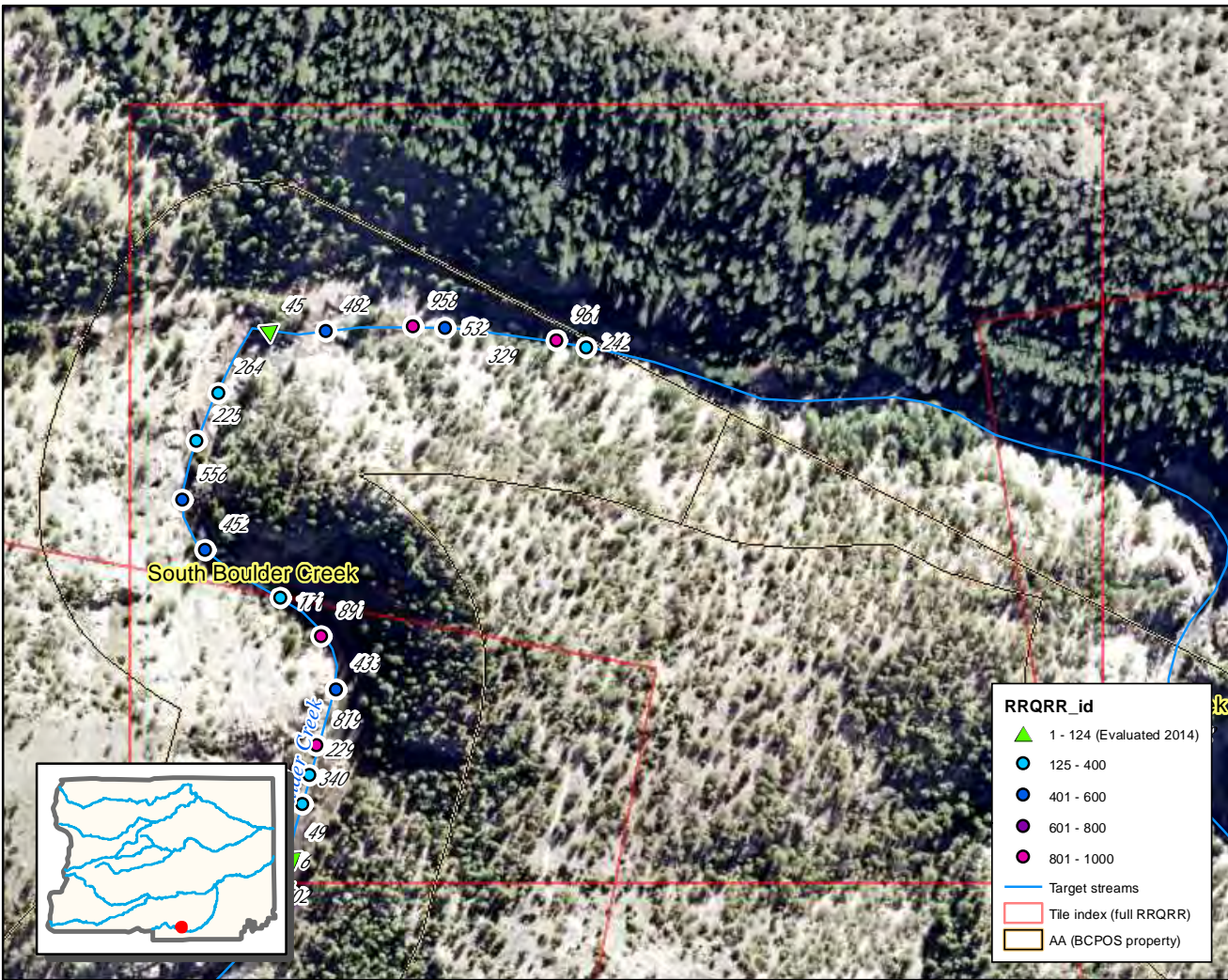
RRQRR sample points

Tile 56



RRQRR sample points

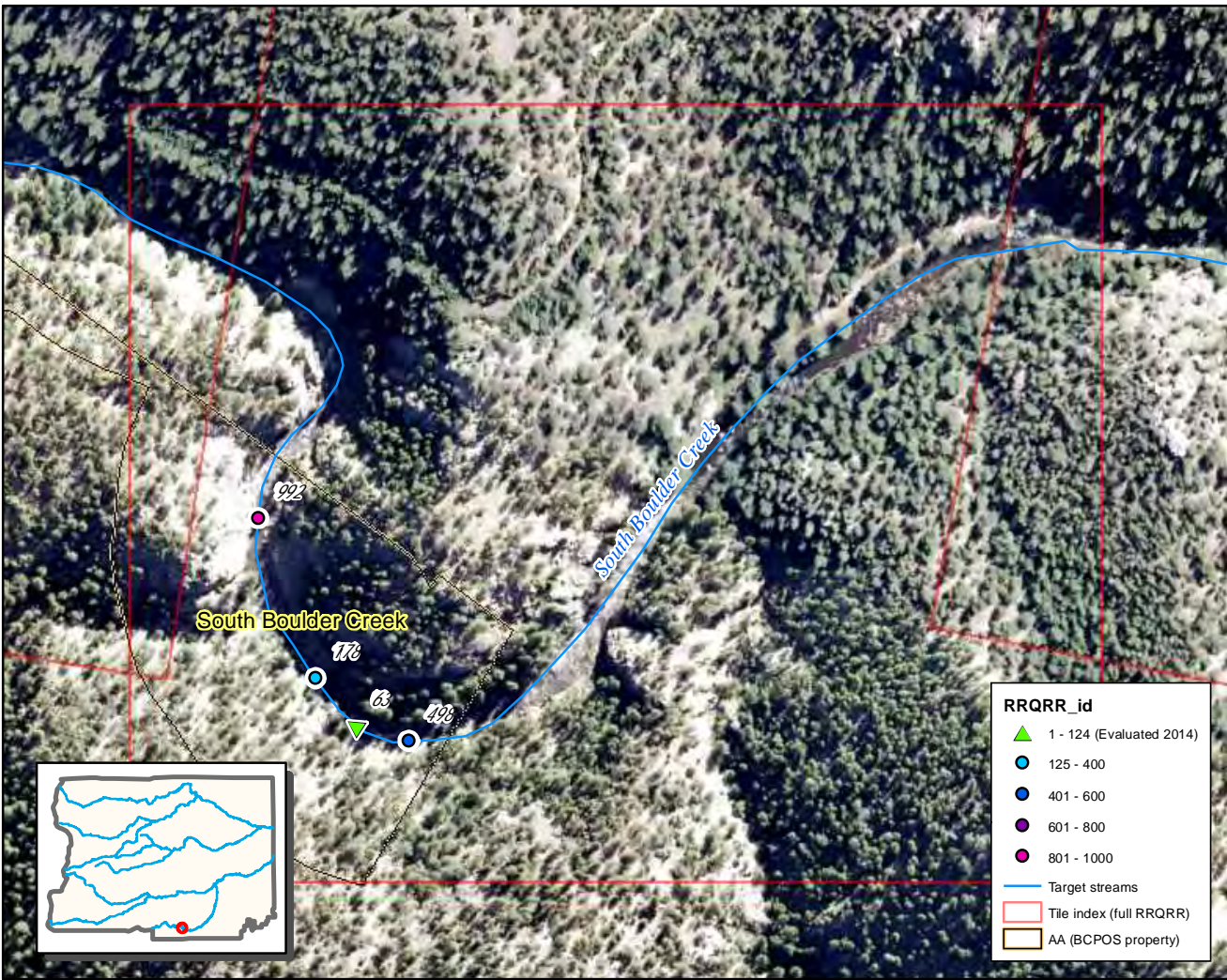
Tile 57











0 0.05 0.1 Km

RRQRR sample points

Tile 58



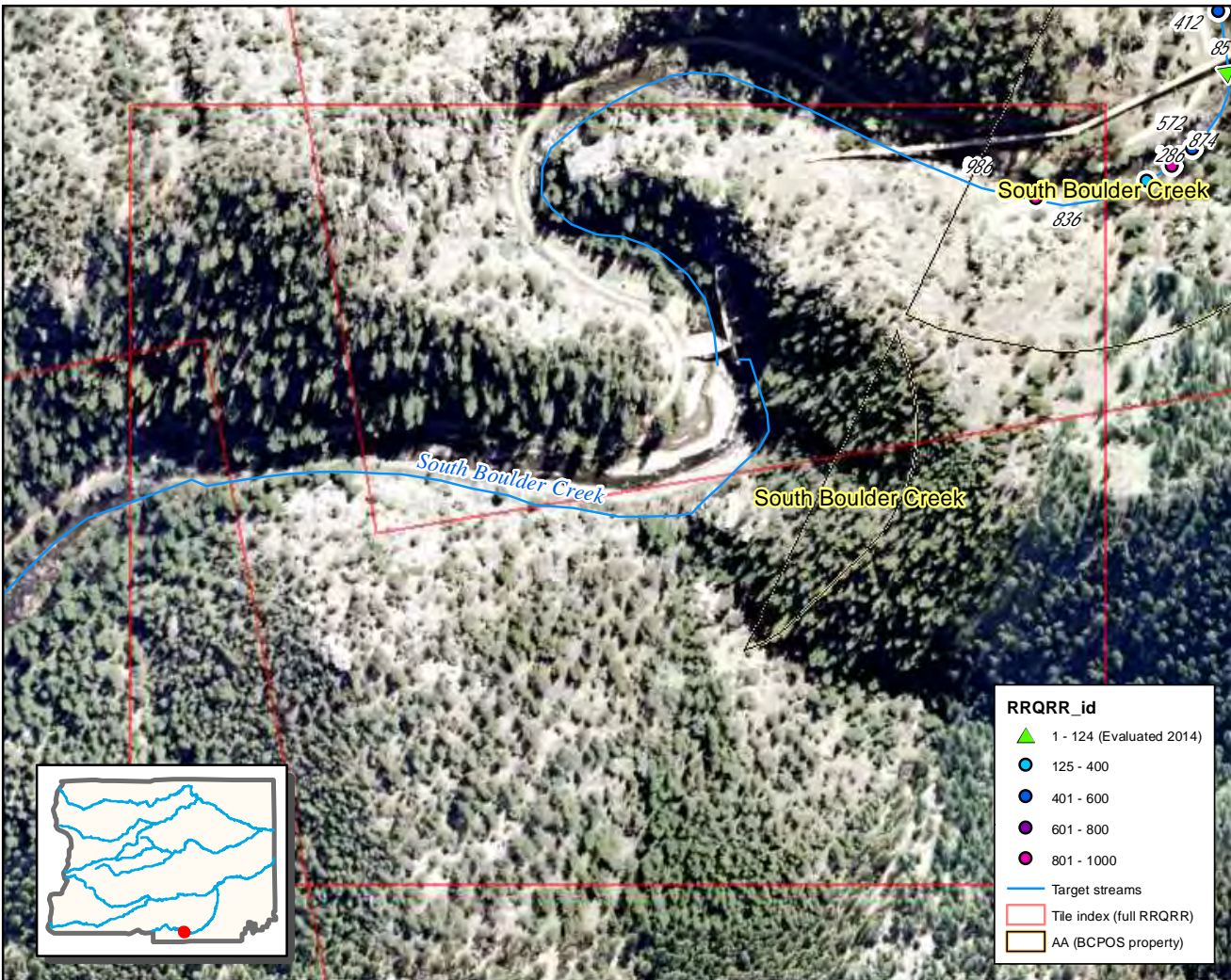
RRQRR_id	
	1 - 124 (Evaluated 2014)
	125 - 400
	401 - 600
	601 - 800
	801 - 1000
	Target streams
	Tile index (full RRQRR)
	AA (BCPOS property)



0 0.05 0.1 Km

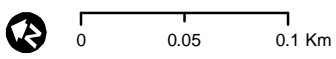
RRQRR sample points

Tile 59



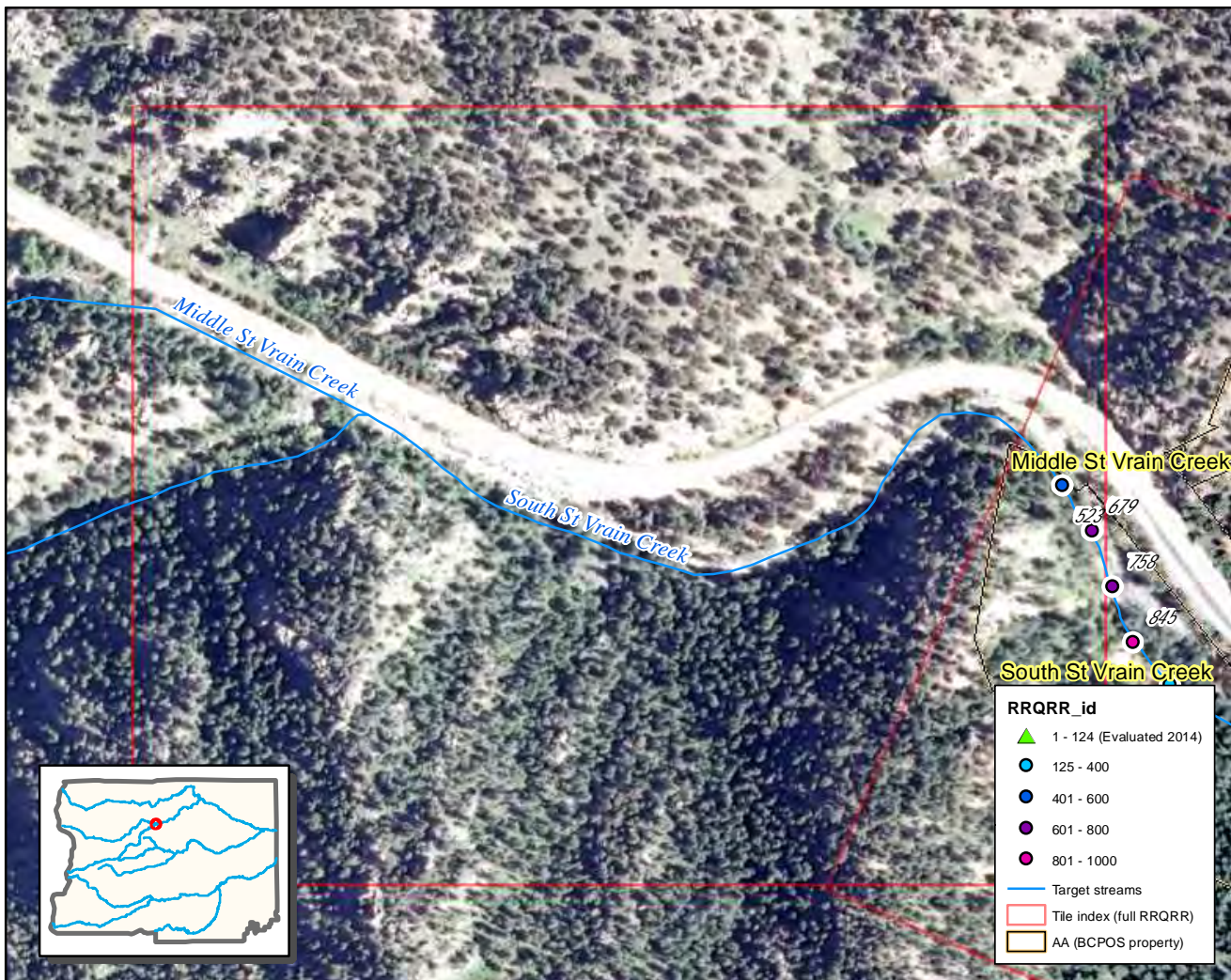
RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)



RRQRR sample points

Tile 60

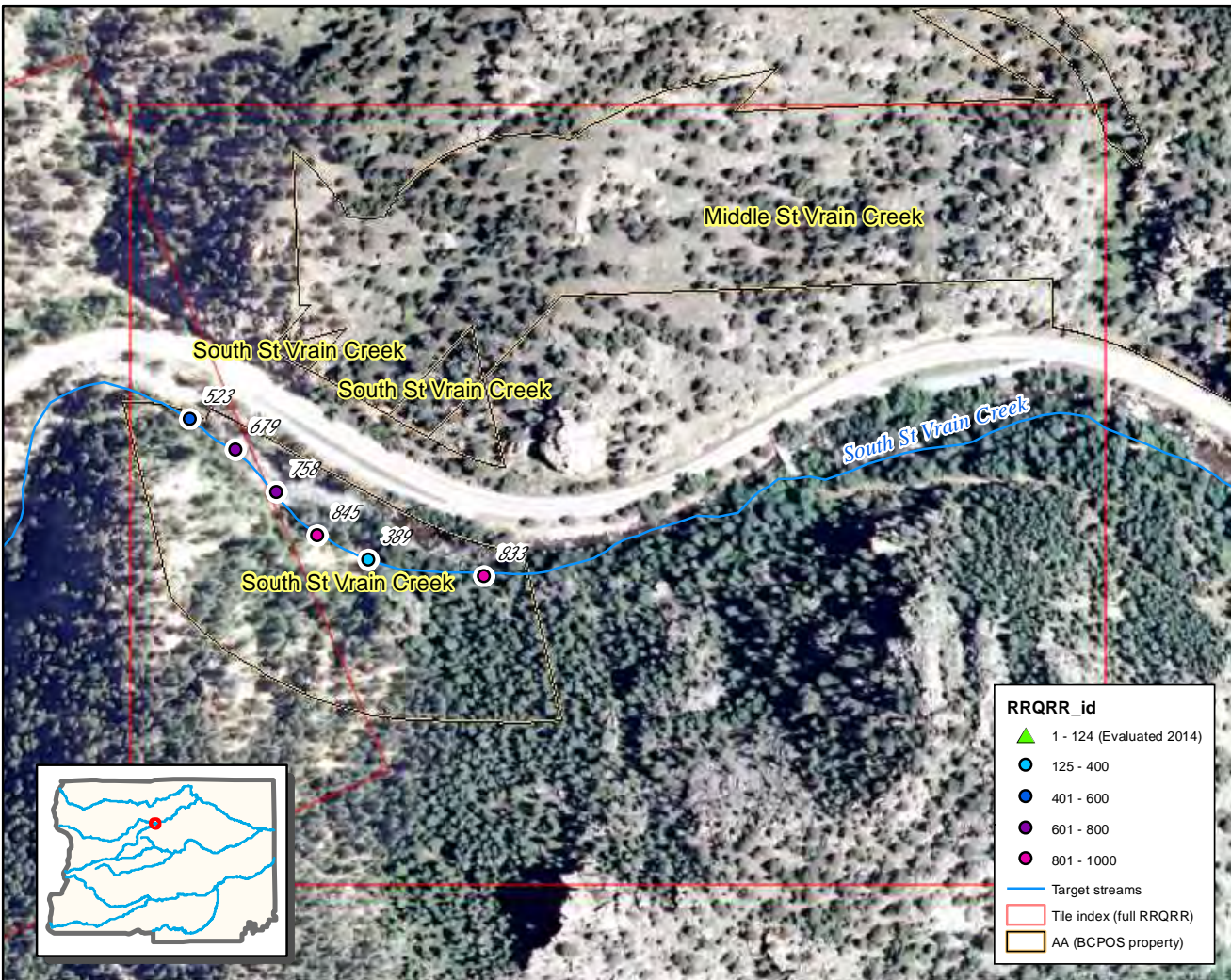


RRQRR_id	
▲	1 - 124 (Evaluated 2014)
●	125 - 400
●	401 - 600
●	601 - 800
●	801 - 1000
—	Target streams
□	Tile index (full RRQRR)
□	AA (BCPOS property)

0 0.05 0.1 Km

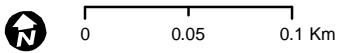
RRQRR sample points

Tile 61

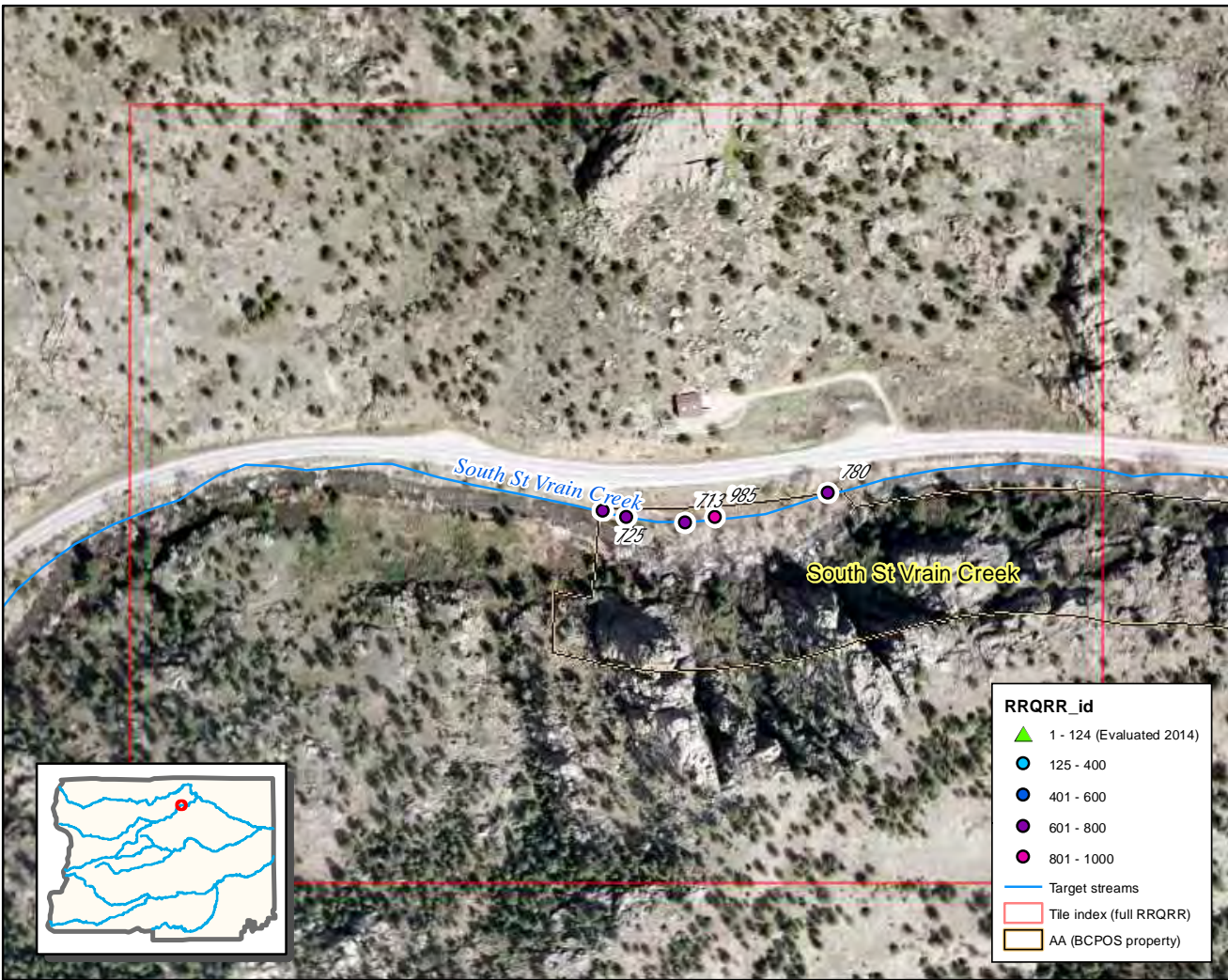


RRQRR_id

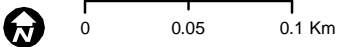
- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)



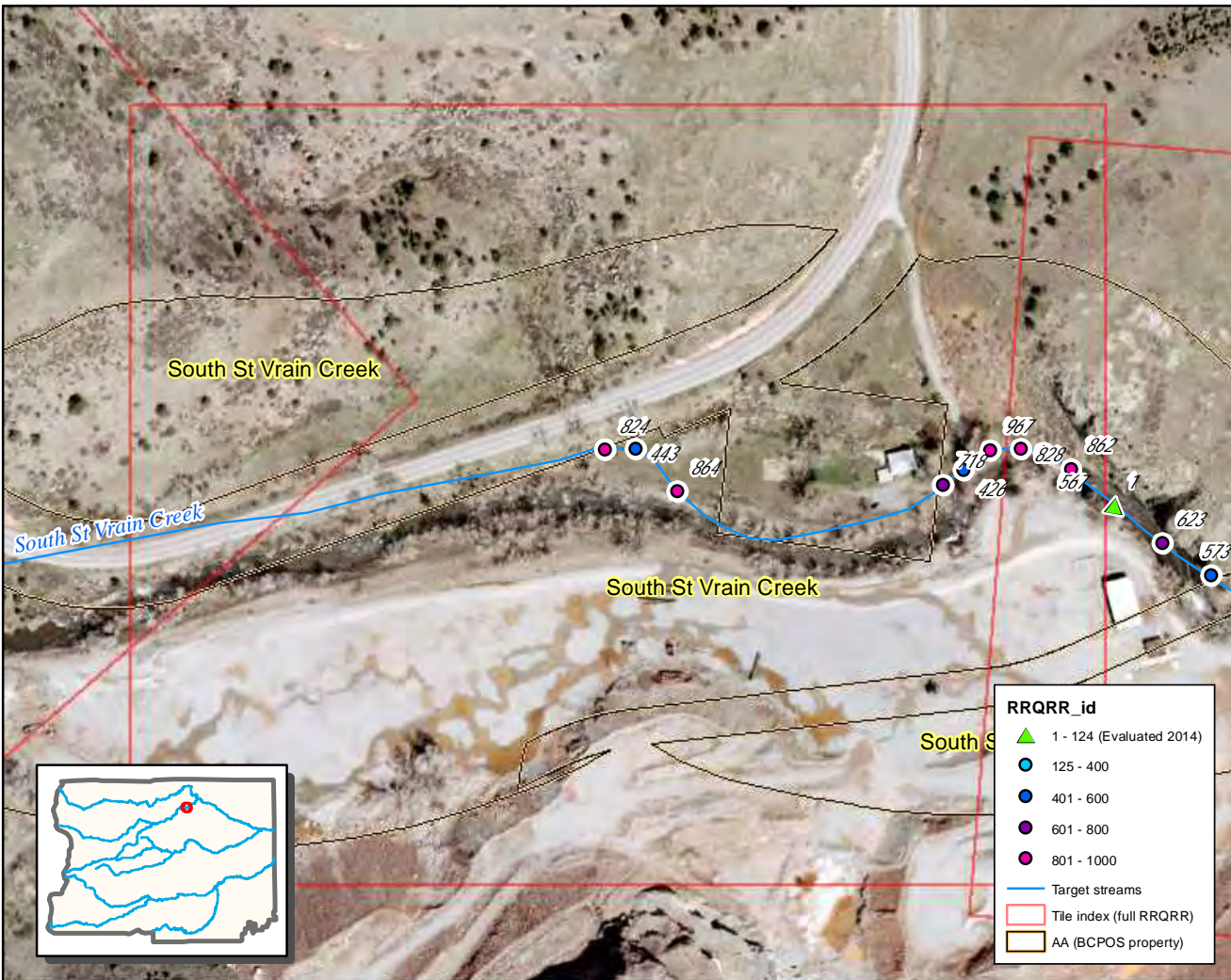
RRQRR sample points



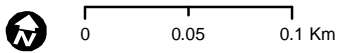
RRQRR_id	
▲	1 - 124 (Evaluated 2014)
●	125 - 400
●	401 - 600
●	601 - 800
●	801 - 1000
—	Target streams
□	Tile index (full RRQRR)
□	AA (BCPOS property)



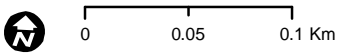
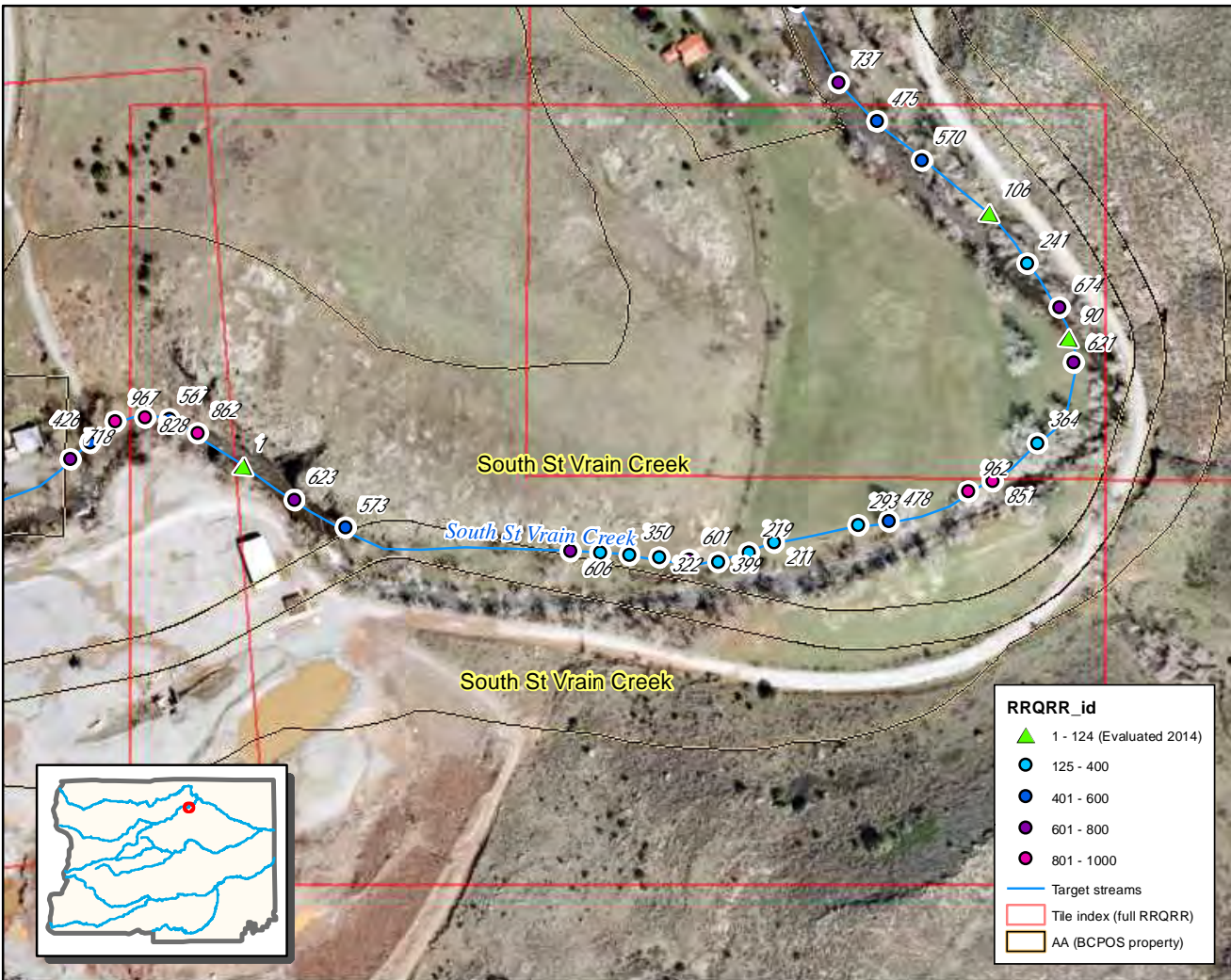
RRQRR sample points



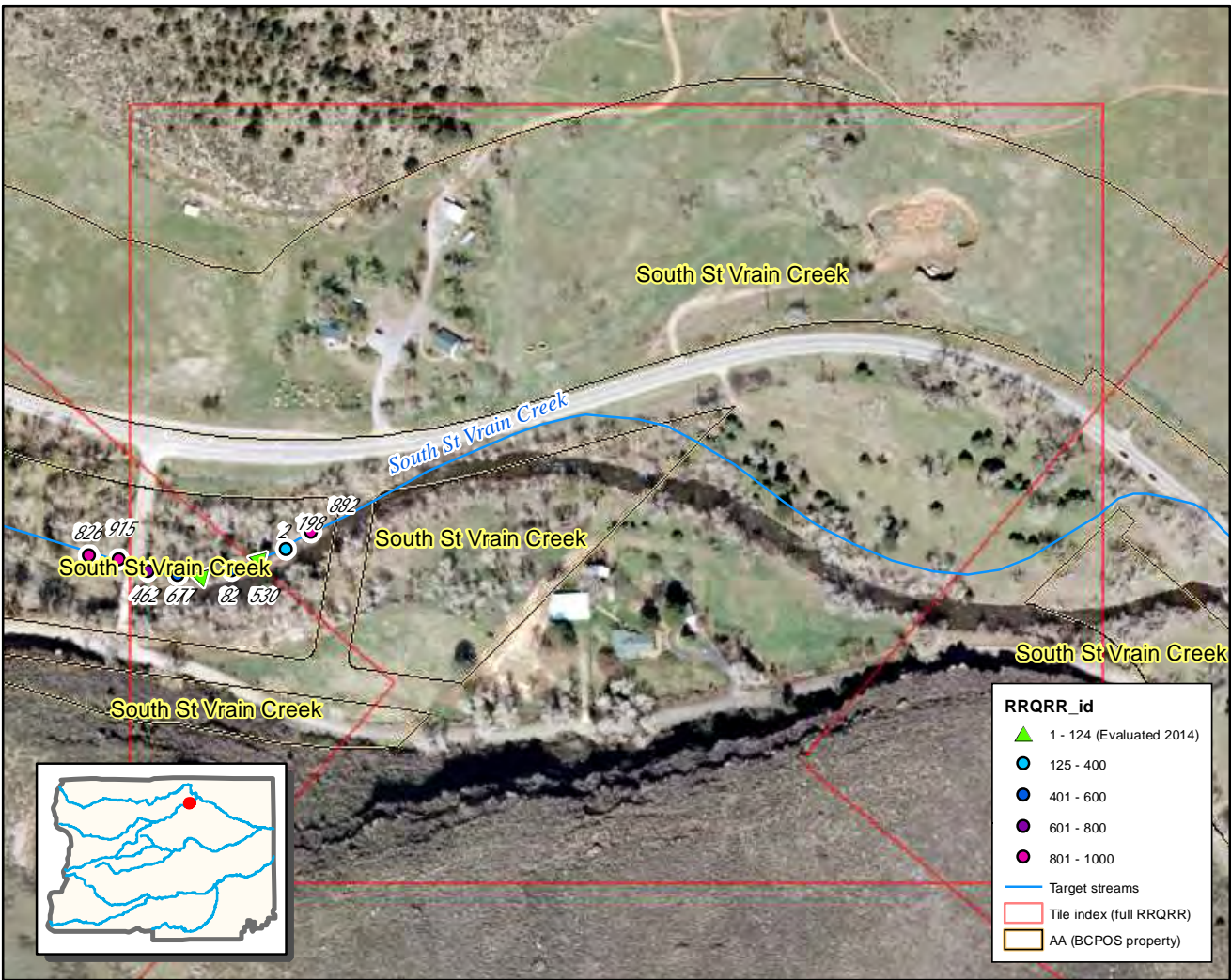
RRQRR_id	
▲	1 - 124 (Evaluated 2014)
●	125 - 400
●	401 - 600
●	601 - 800
●	801 - 1000
—	Target streams
□	Tile index (full RRQRR)
□	AA (BCPOS property)



RRQRR sample points



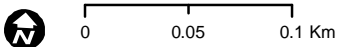
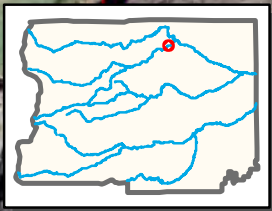
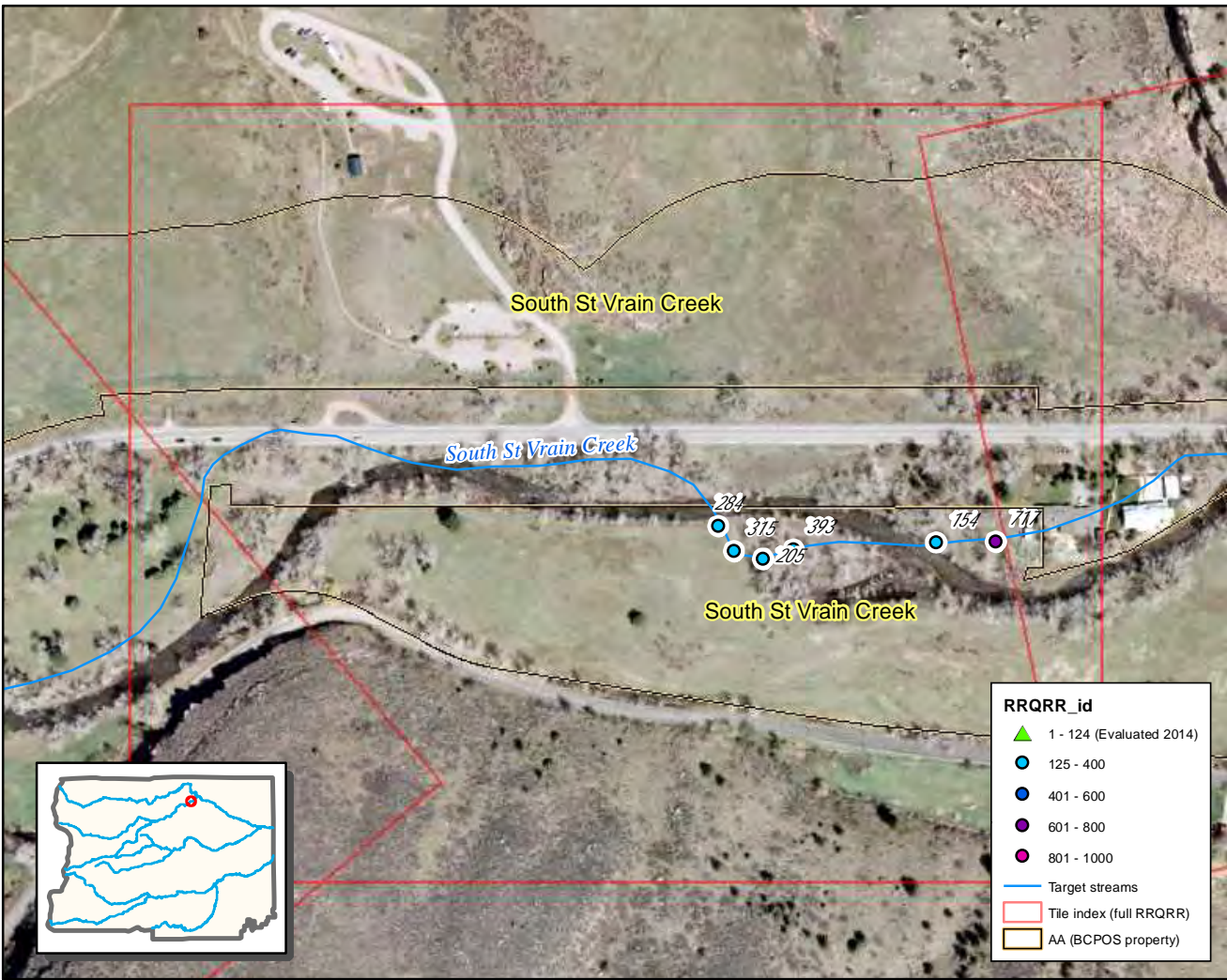
RRQRR sample points



0 0.05 0.1 Km

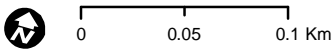
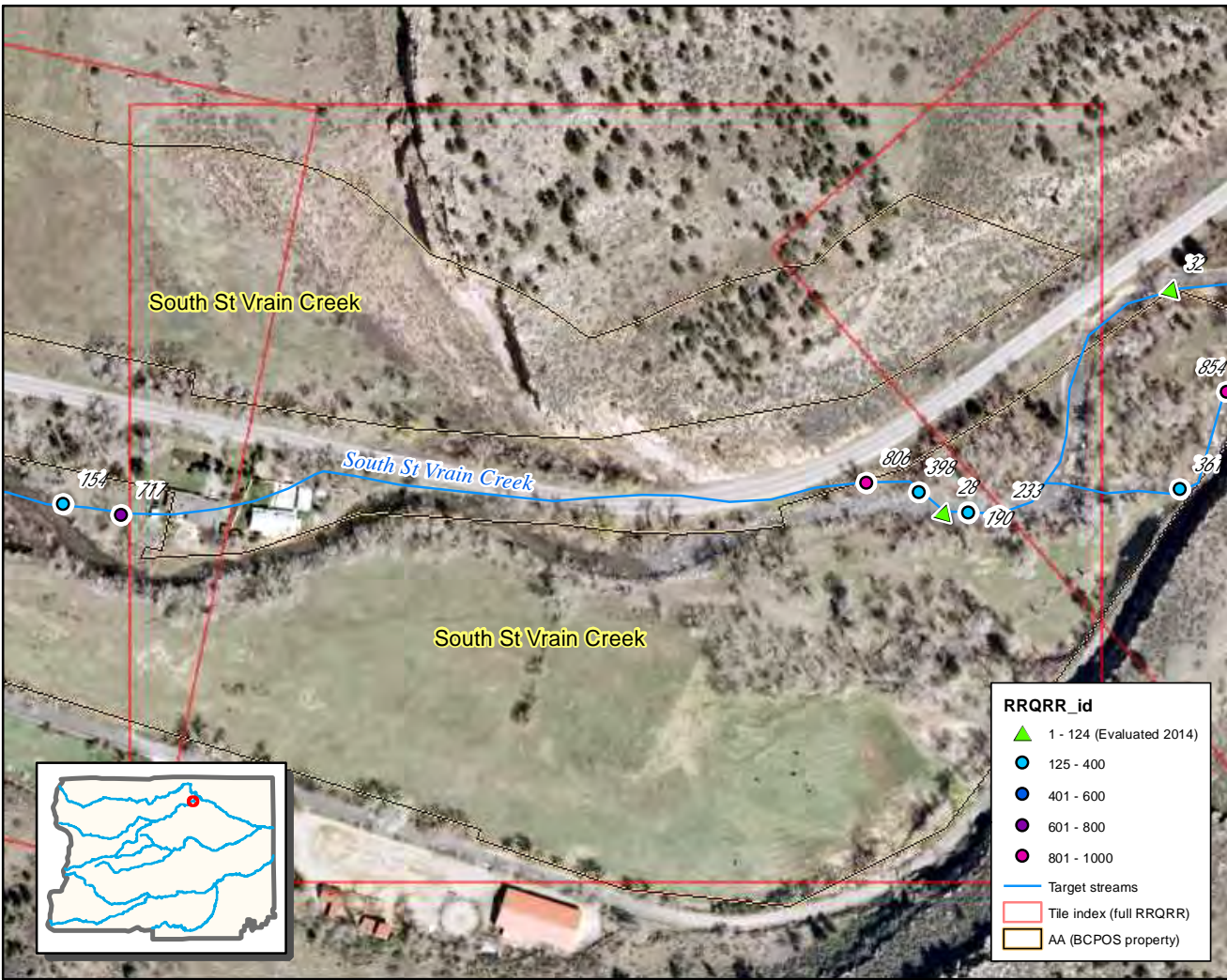
RRQRR sample points

Tile 68

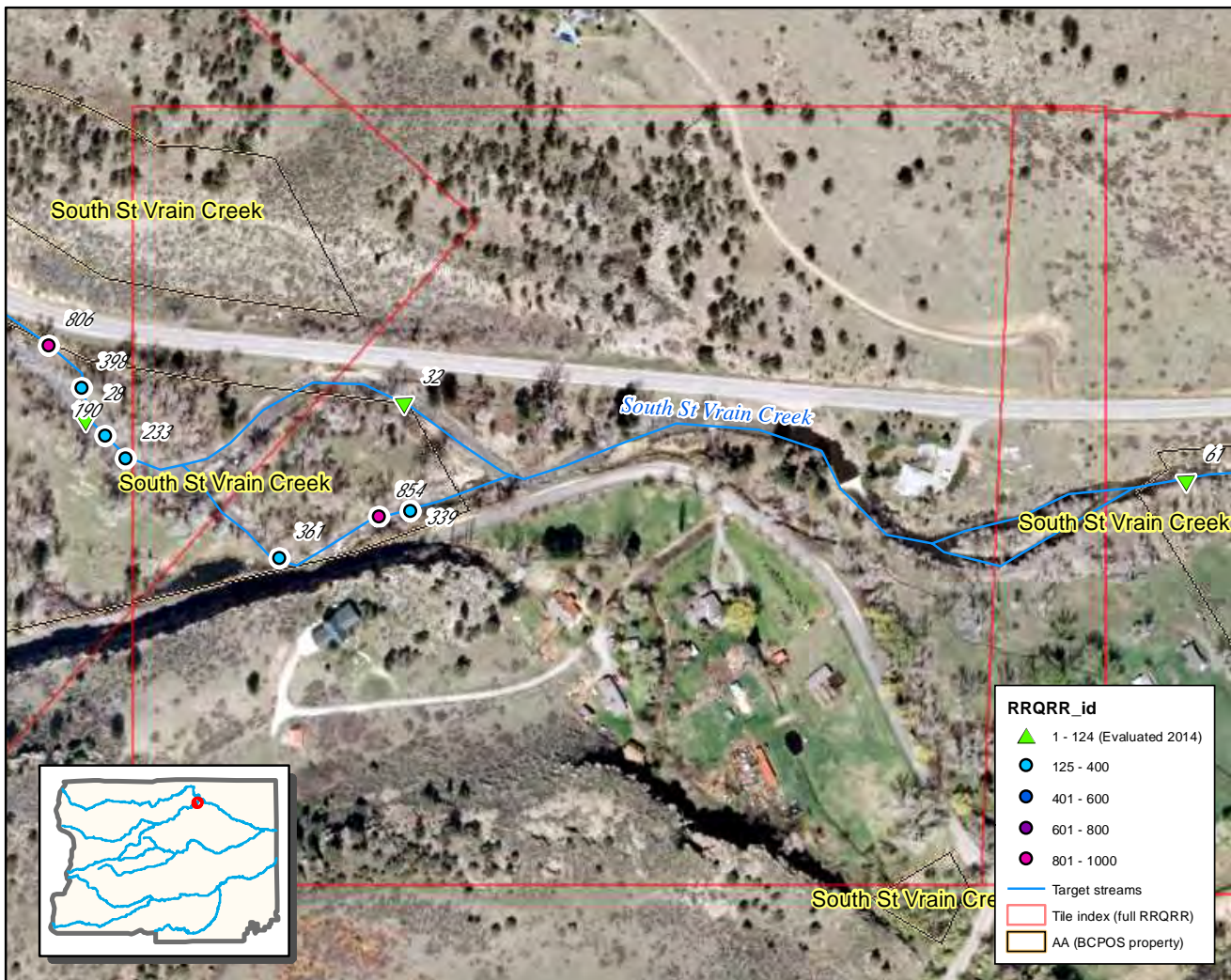


RRQRR sample points

Tile 69

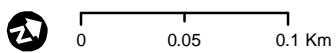


RRQRR sample points

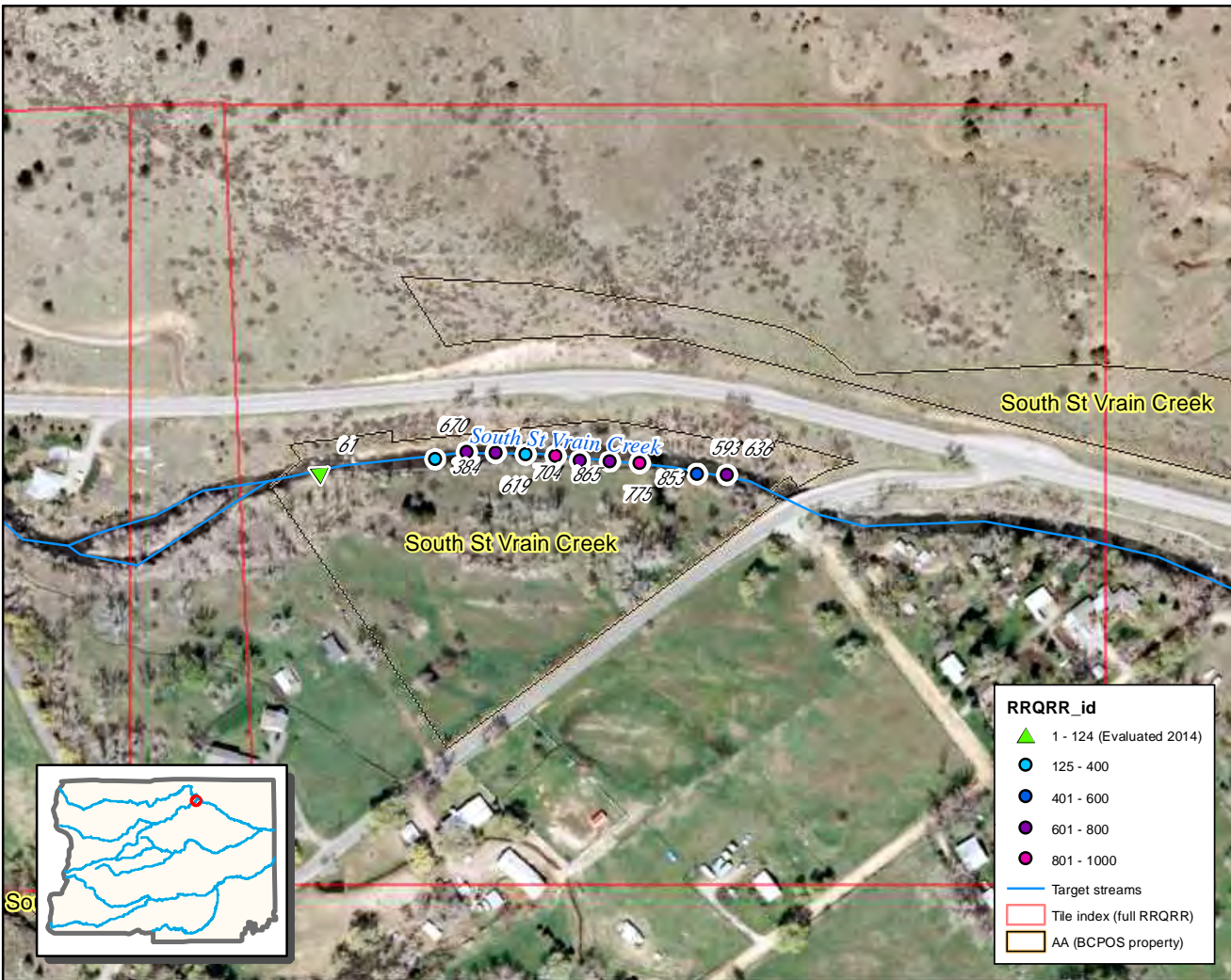


RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)

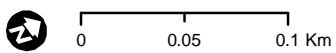


RRQRR sample points

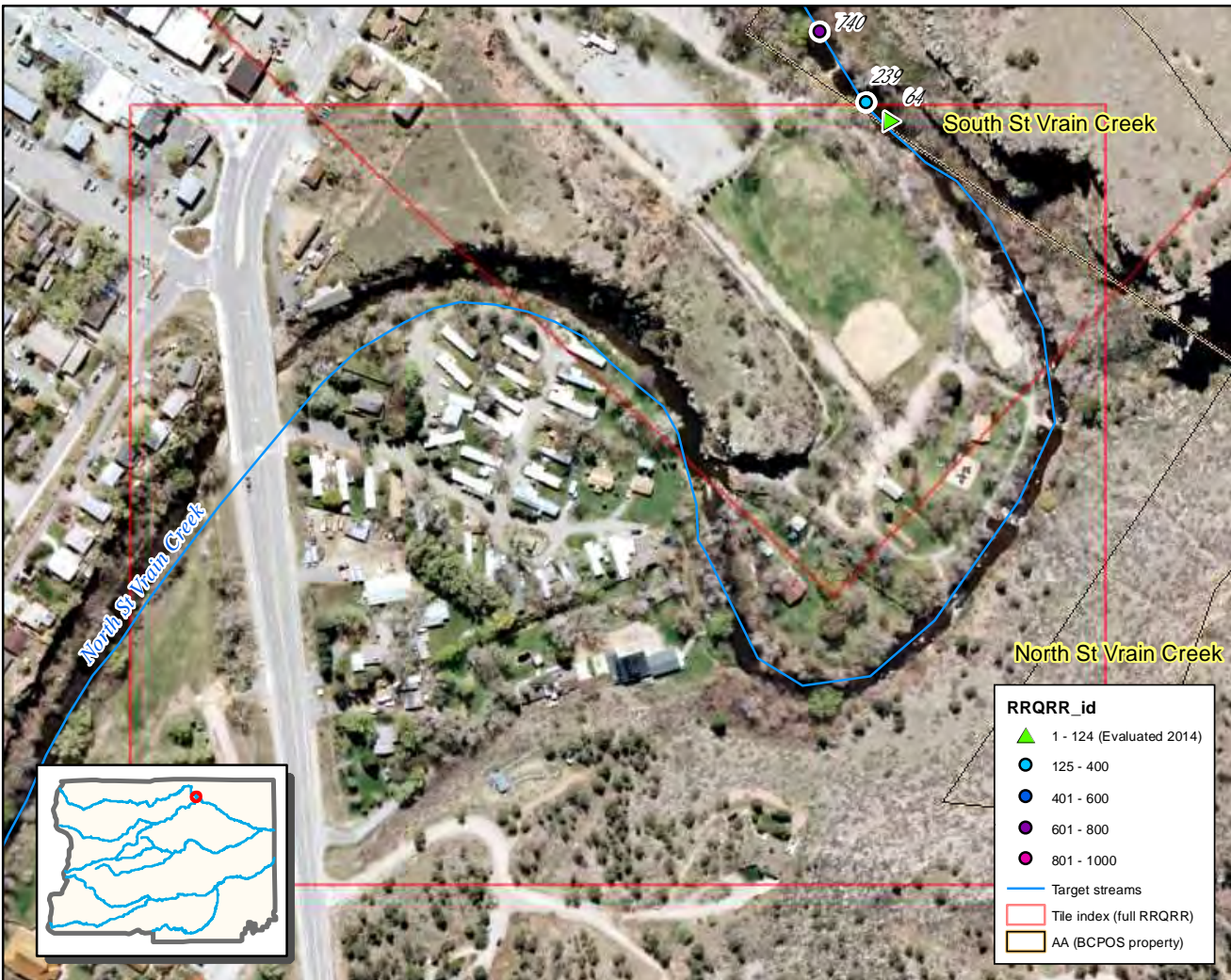


RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)











RRQRR sample points

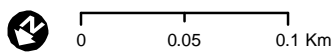
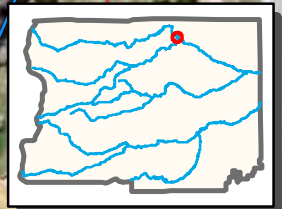


South St Vrain Creek

North St Vrain Creek

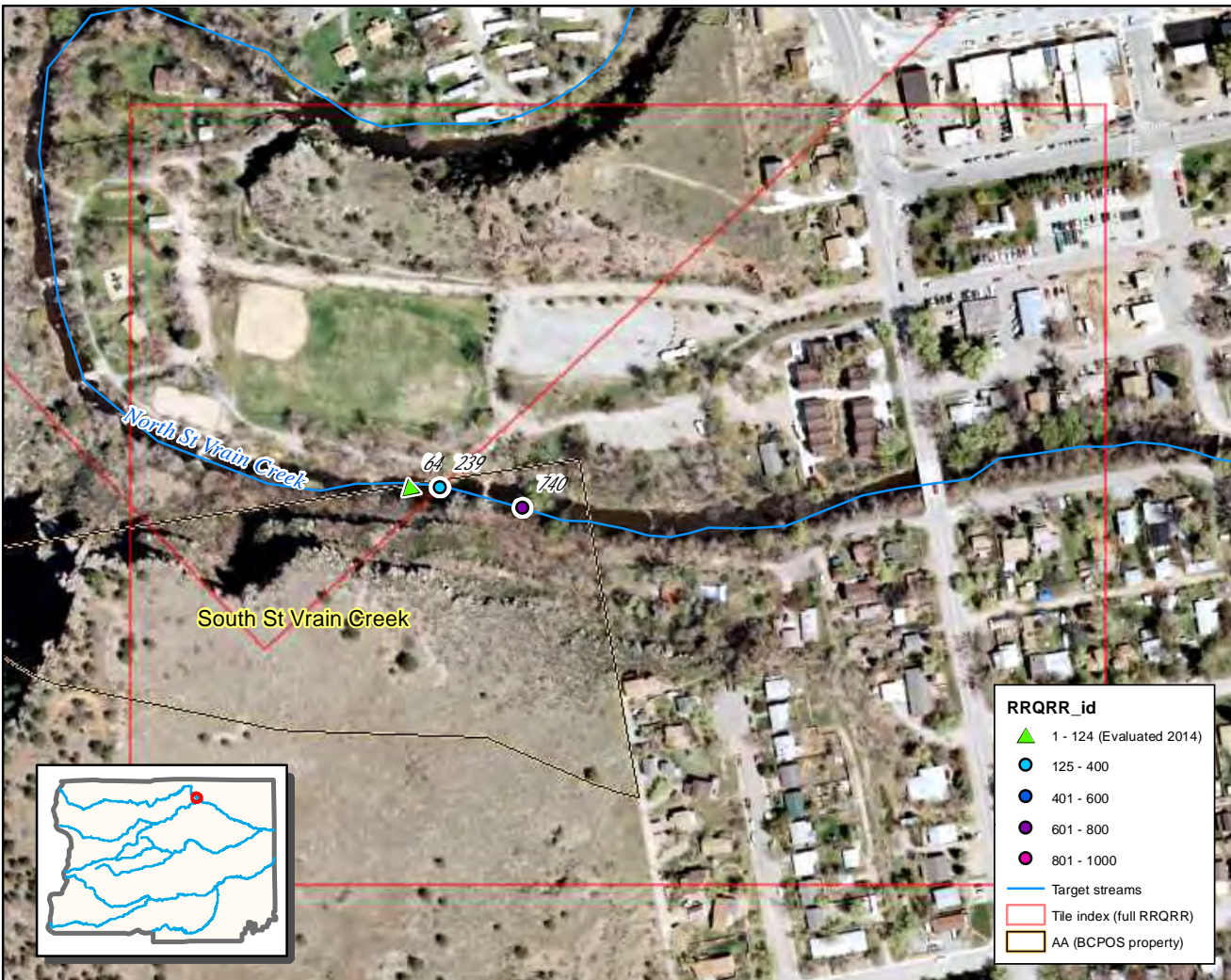
North St Vrain Creek









RRQRR_id	
	1 - 124 (Evaluated 2014)
	125 - 400
	401 - 600
	601 - 800
	801 - 1000
	Target streams
	Tile index (full RRQRR)
	AA (BCPOS property)



RRQRR sample points

Tile 73

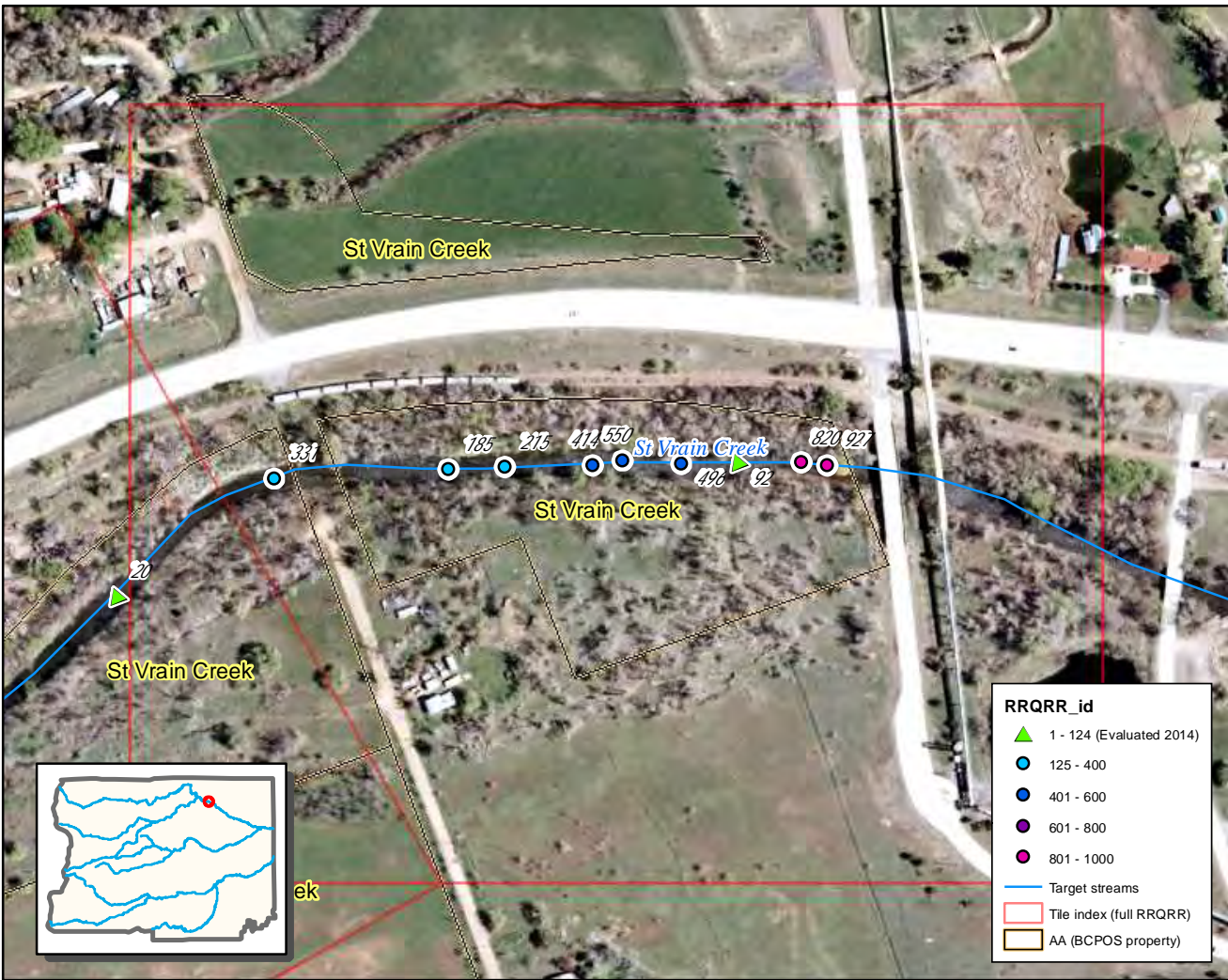


RRQRR_id	
	1 - 124 (Evaluated 2014)
	125 - 400
	401 - 600
	601 - 800
	801 - 1000
	Target streams
	Tile index (full RRQRR)
	AA (BCPOS property)

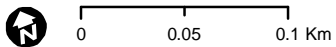
0 0.05 0.1 Km

RRQRR sample points

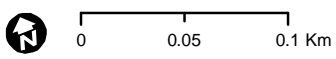
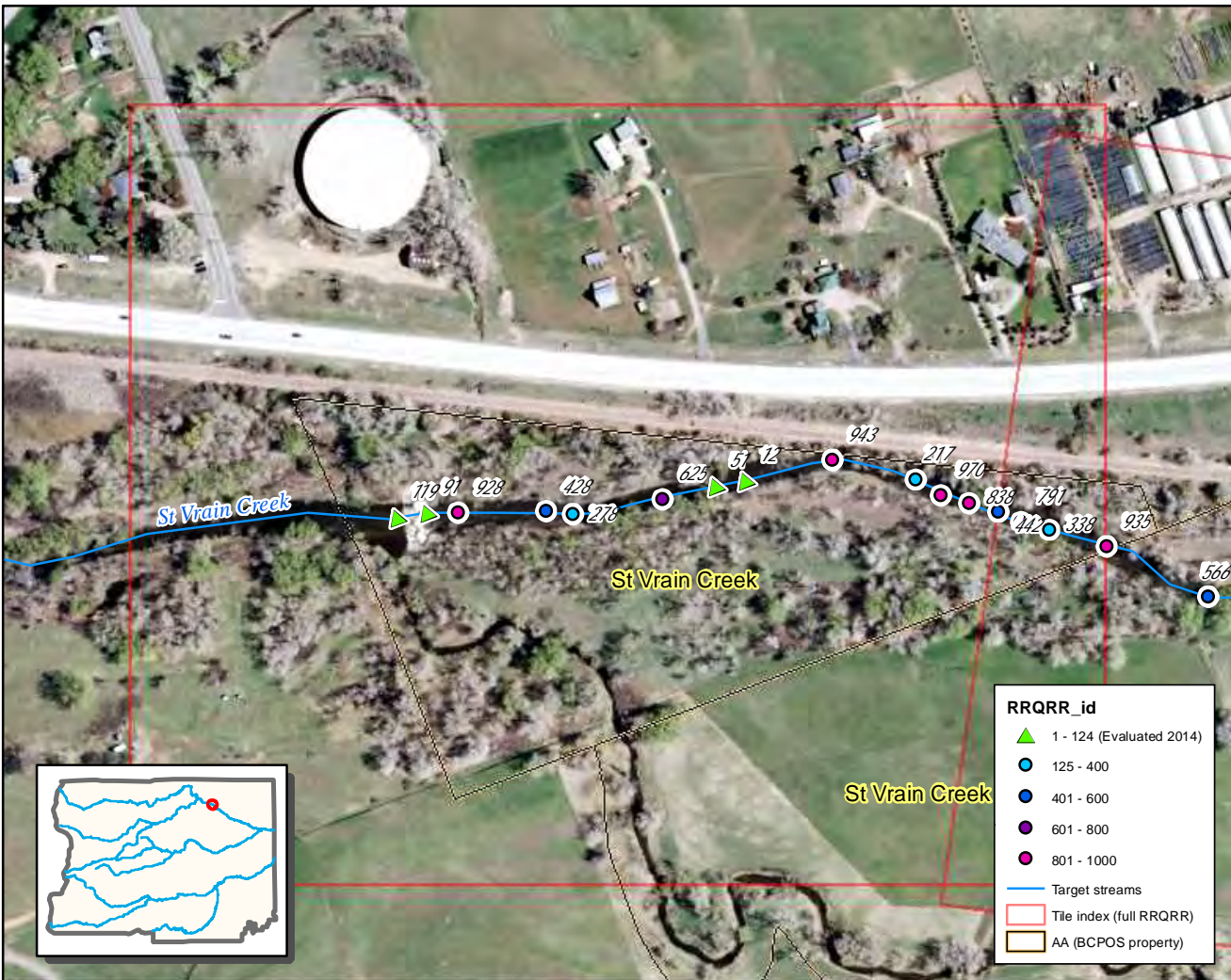
Tile 74



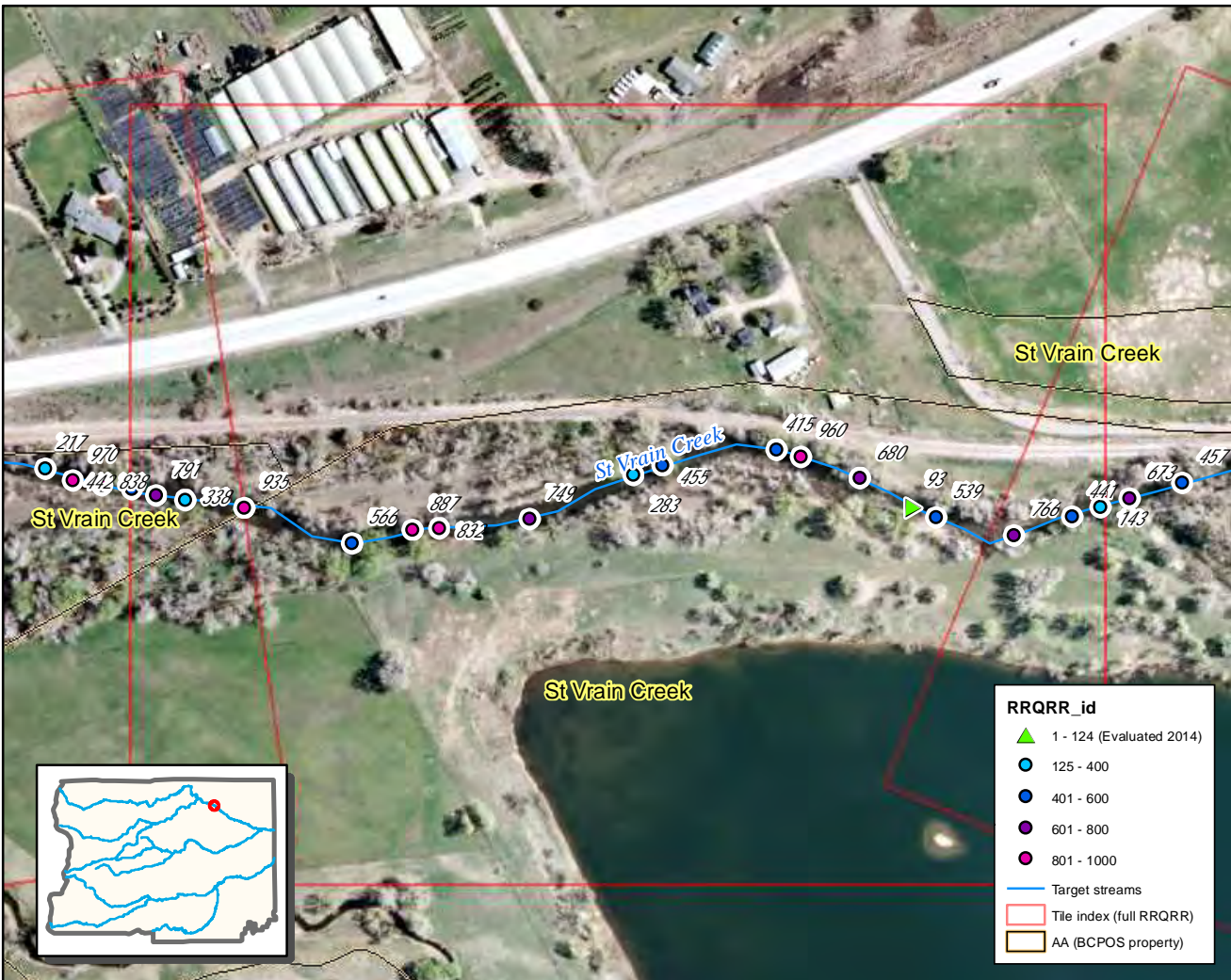
RRQRR_id	
▲	1 - 124 (Evaluated 2014)
●	125 - 400
●	401 - 600
●	601 - 800
●	801 - 1000
—	Target streams
□	Tile index (full RRQRR)
□	AA (BCPOS property)



RRQRR sample points



RRQRR sample points



St Vrain Creek

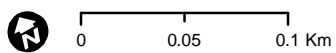
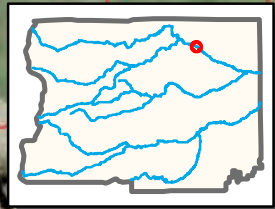
St Vrain Creek

St Vrain Creek

St Vrain Creek

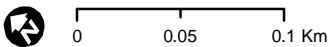
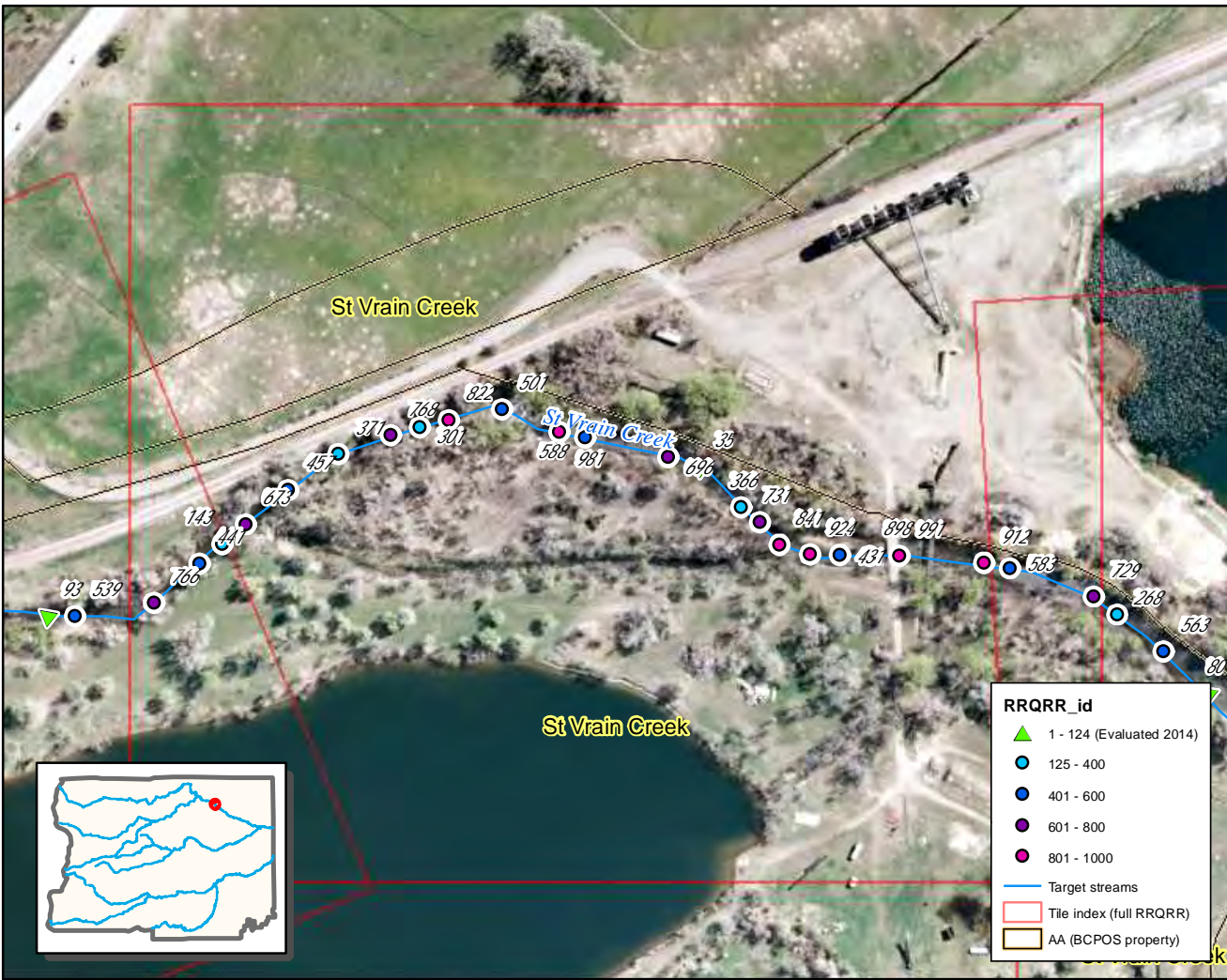
RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)

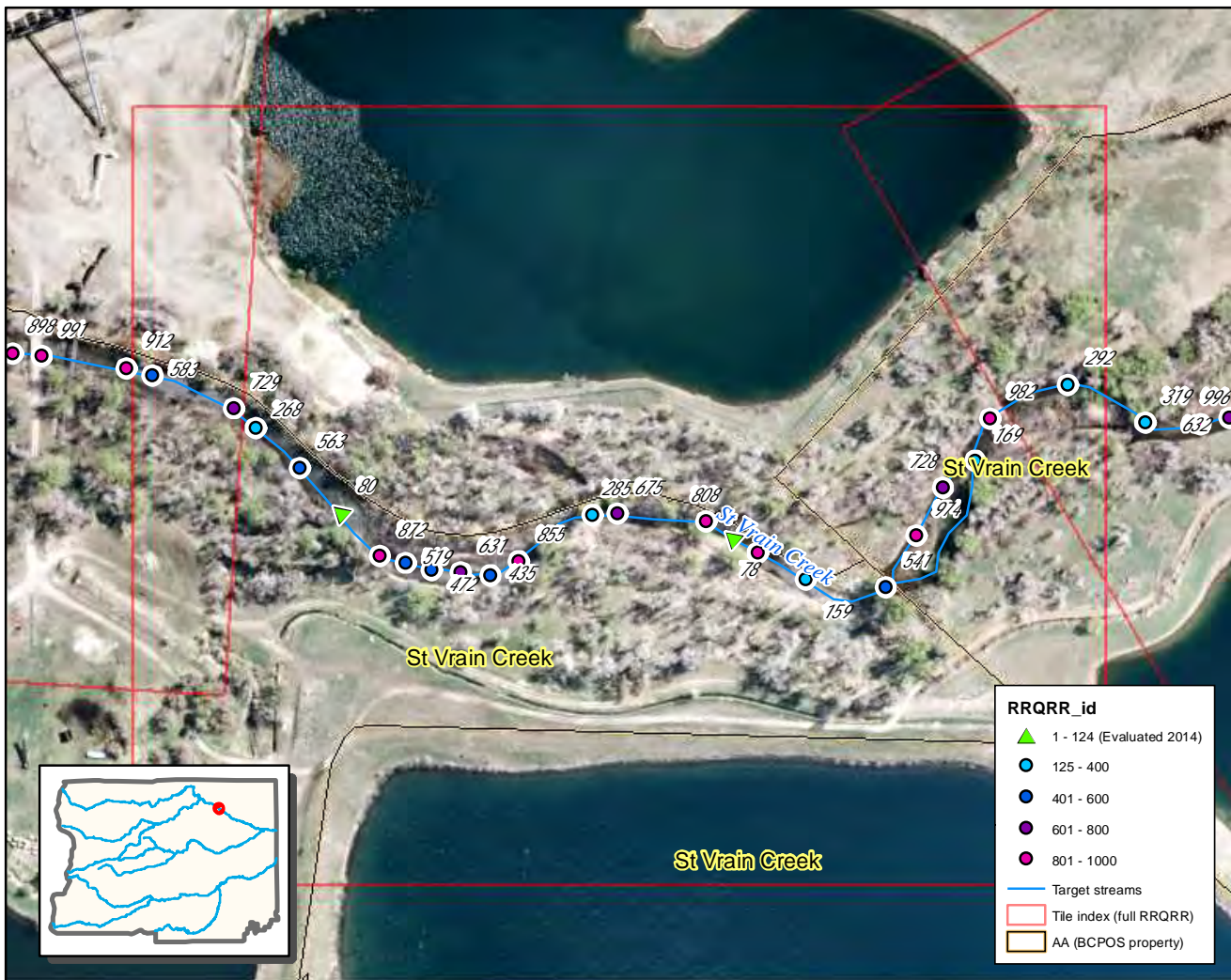


RRQRR sample points

Tile 78

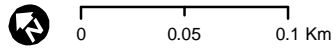
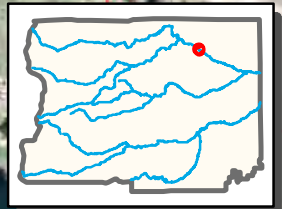


RRQR sample points



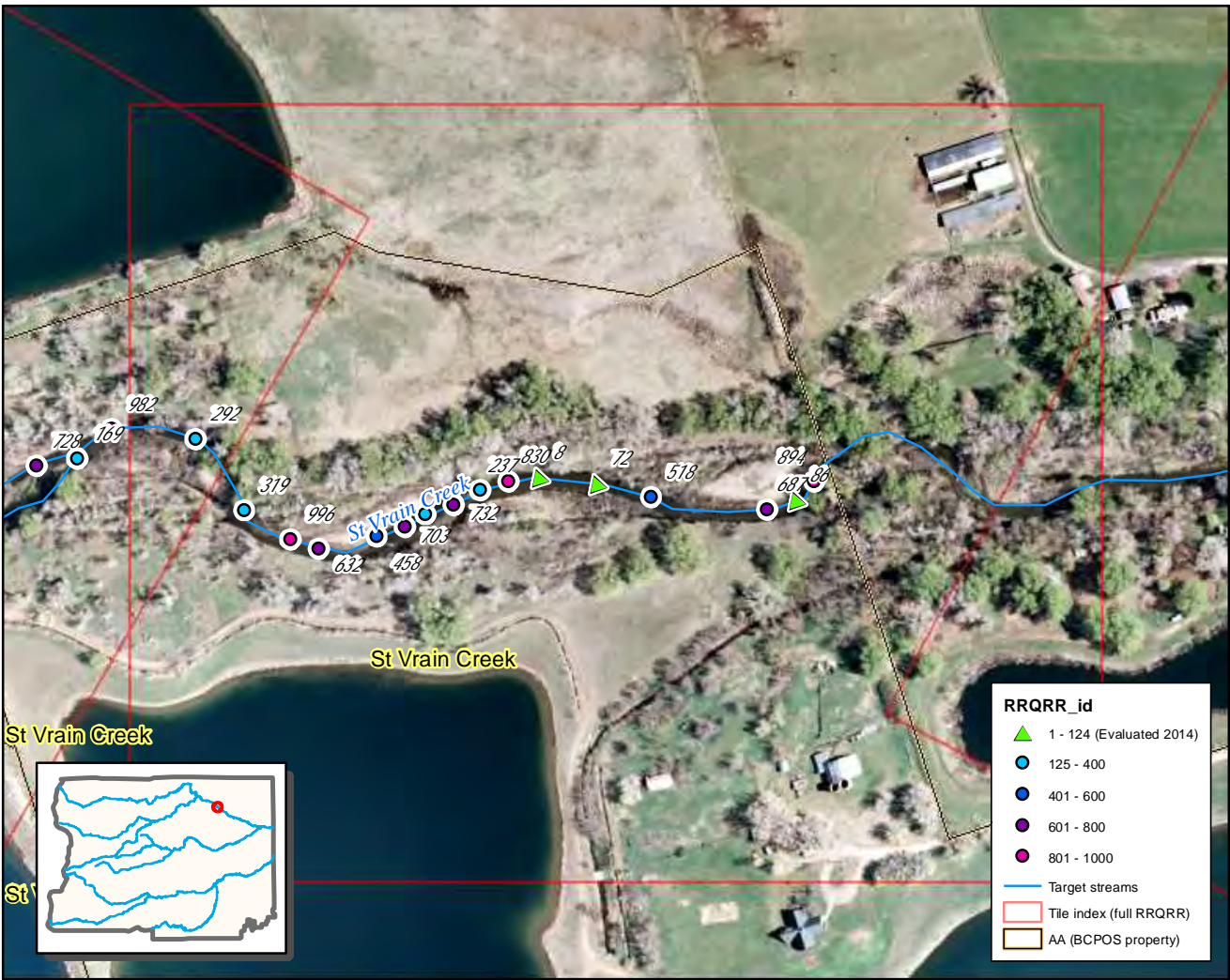
RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)



RRQRR sample points

Tile 80



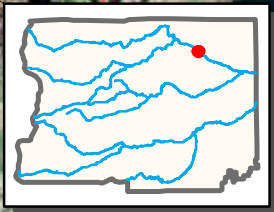
RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)

0 0.05 0.1 Km

RRQRR sample points

Tile 81



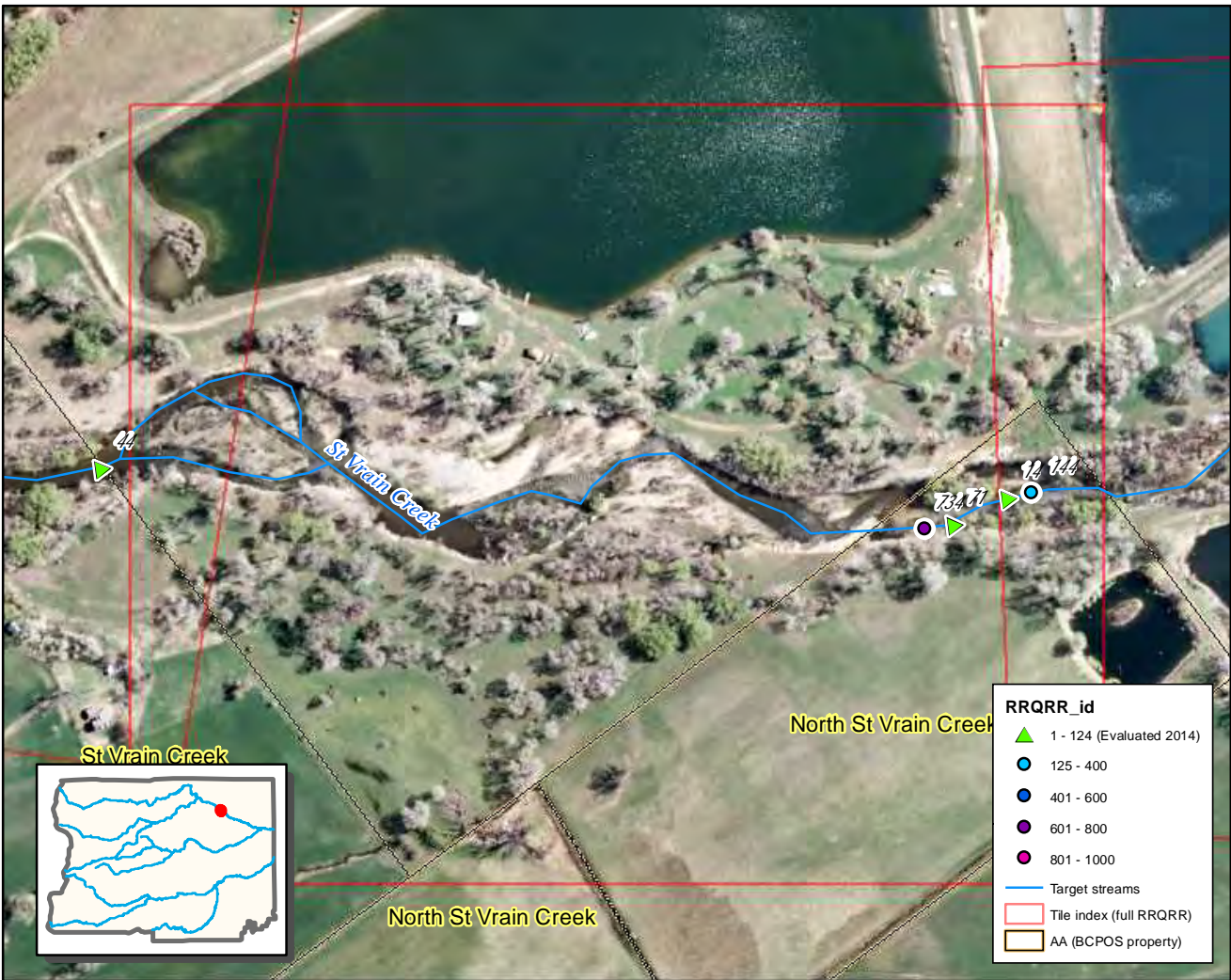
RRQRR_id	
▲	1 - 124 (Evaluated 2014)
●	125 - 400
●	401 - 600
●	601 - 800
●	801 - 1000
—	Target streams
□	Tile index (full RRQRR)
□	AA (BCPOS property)



0 0.05 0.1 Km

RRQRR sample points

Tile 82



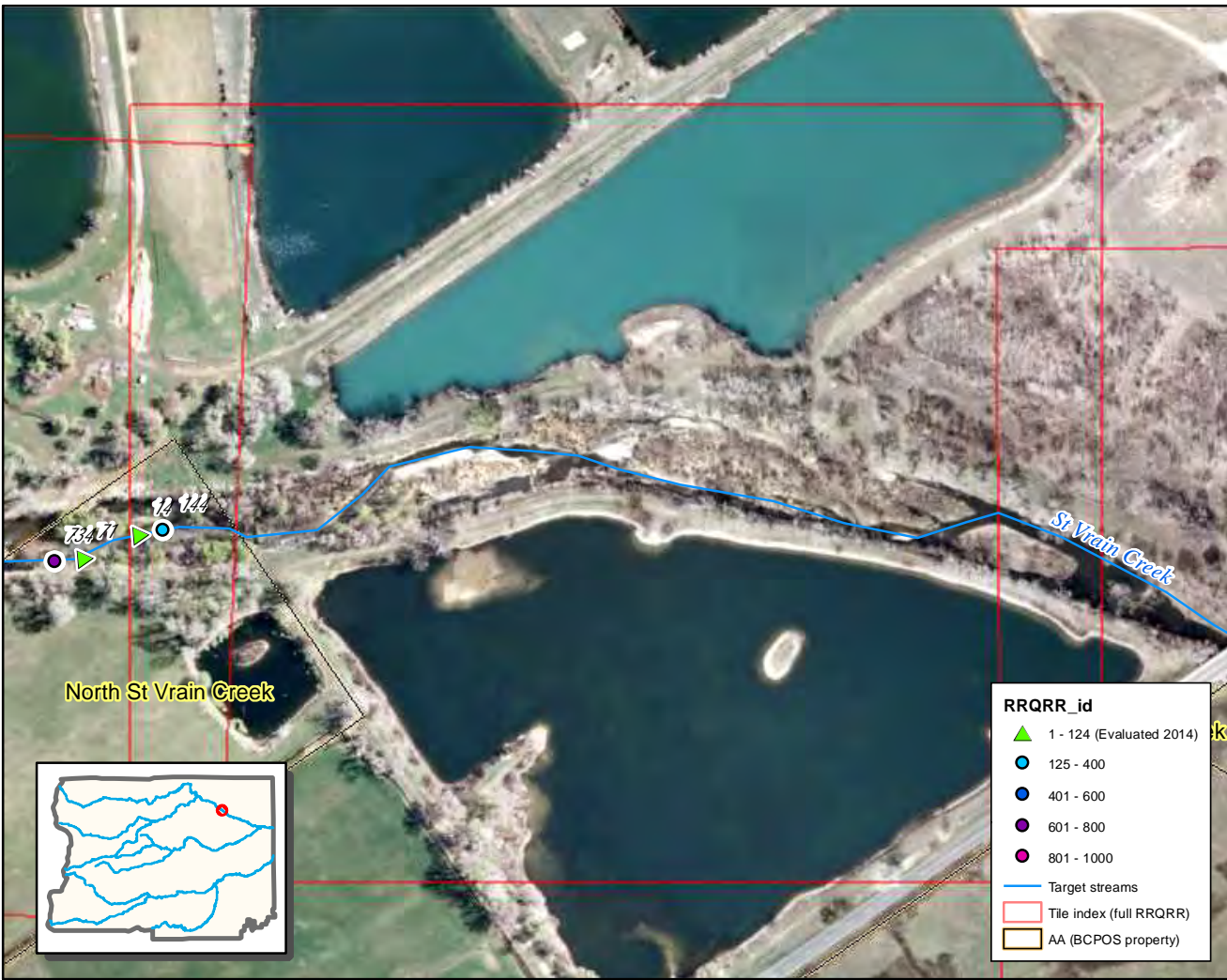
RRQRR_id	
▲	1 - 124 (Evaluated 2014)
●	125 - 400
●	401 - 600
●	601 - 800
●	801 - 1000
—	Target streams
□	Tile index (full RRQRR)
□	AA (BCPOS property)

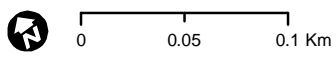
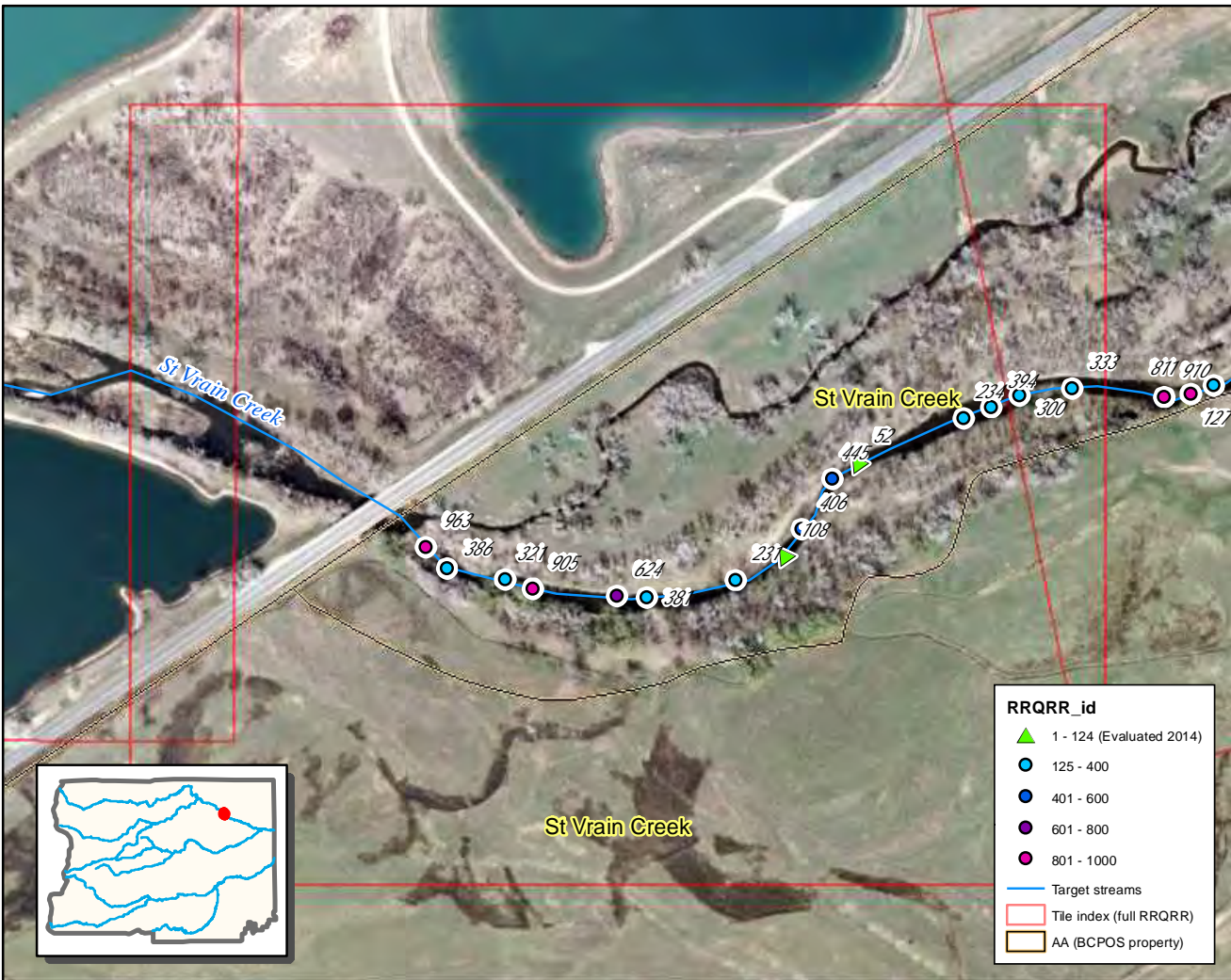


0 0.05 0.1 Km

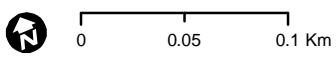
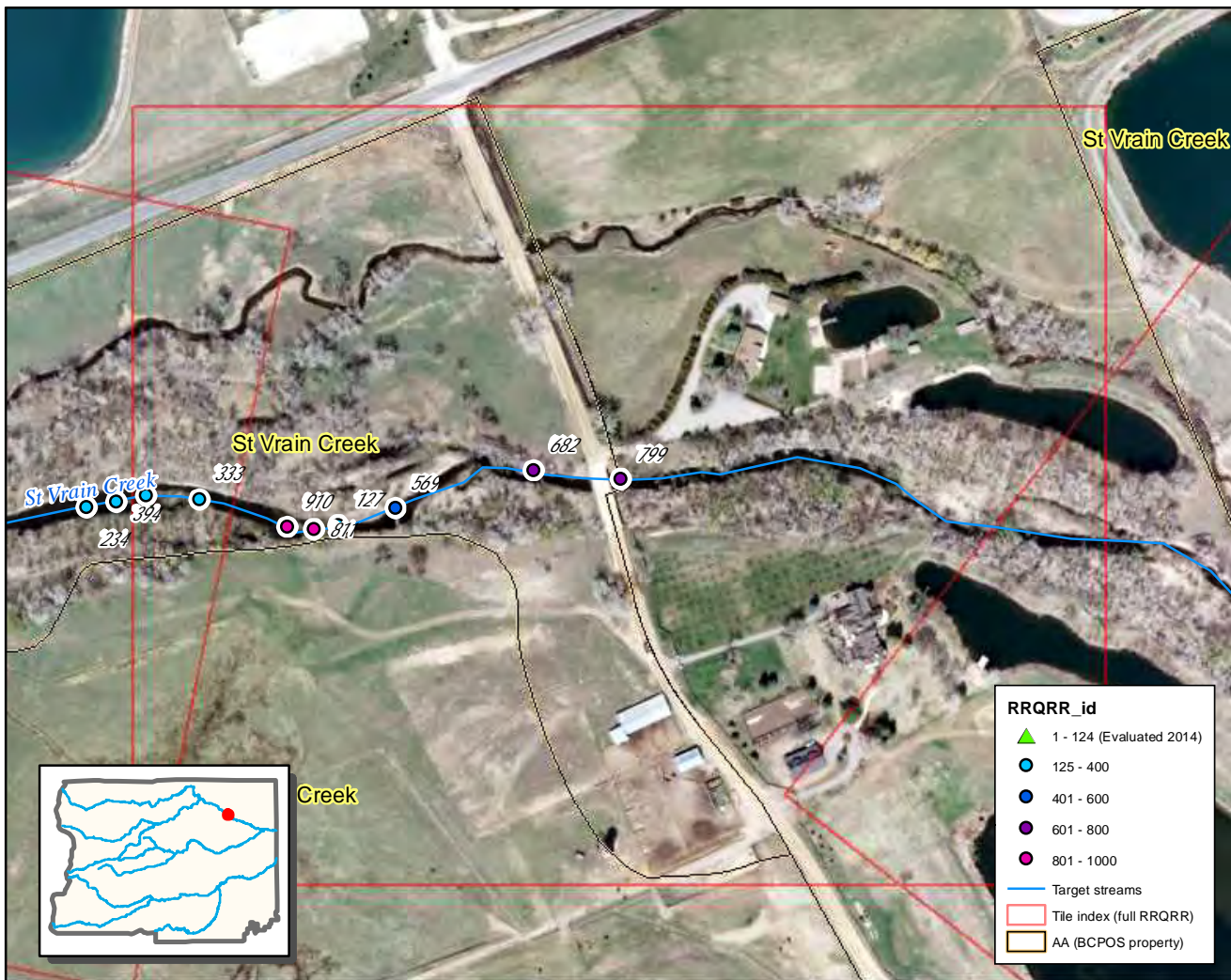
RRQRR sample points

Tile 83

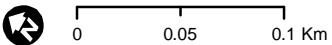




RRQRR sample points

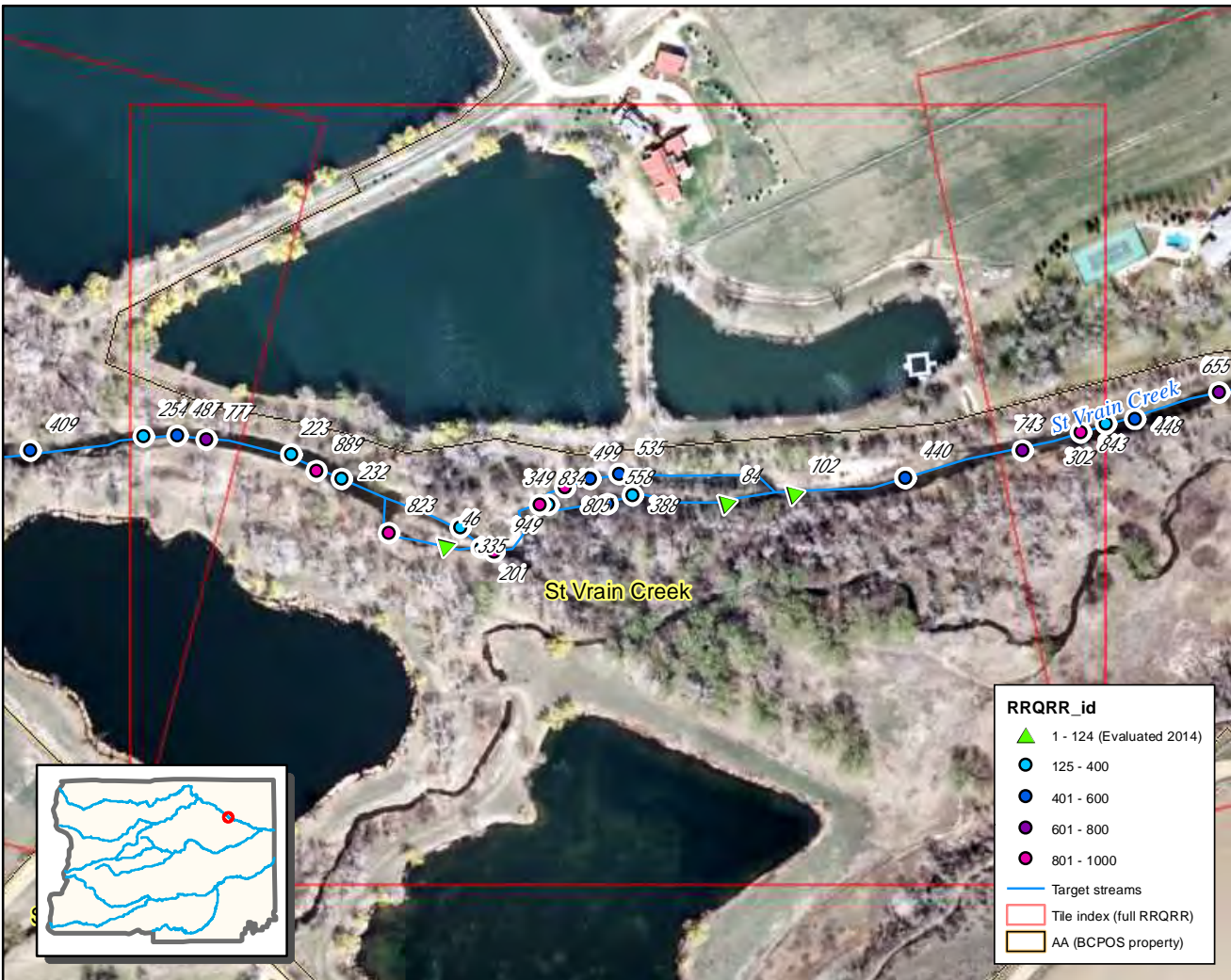


RRQR sample points



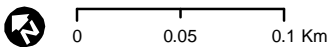
RRQRR sample points

Tile 87

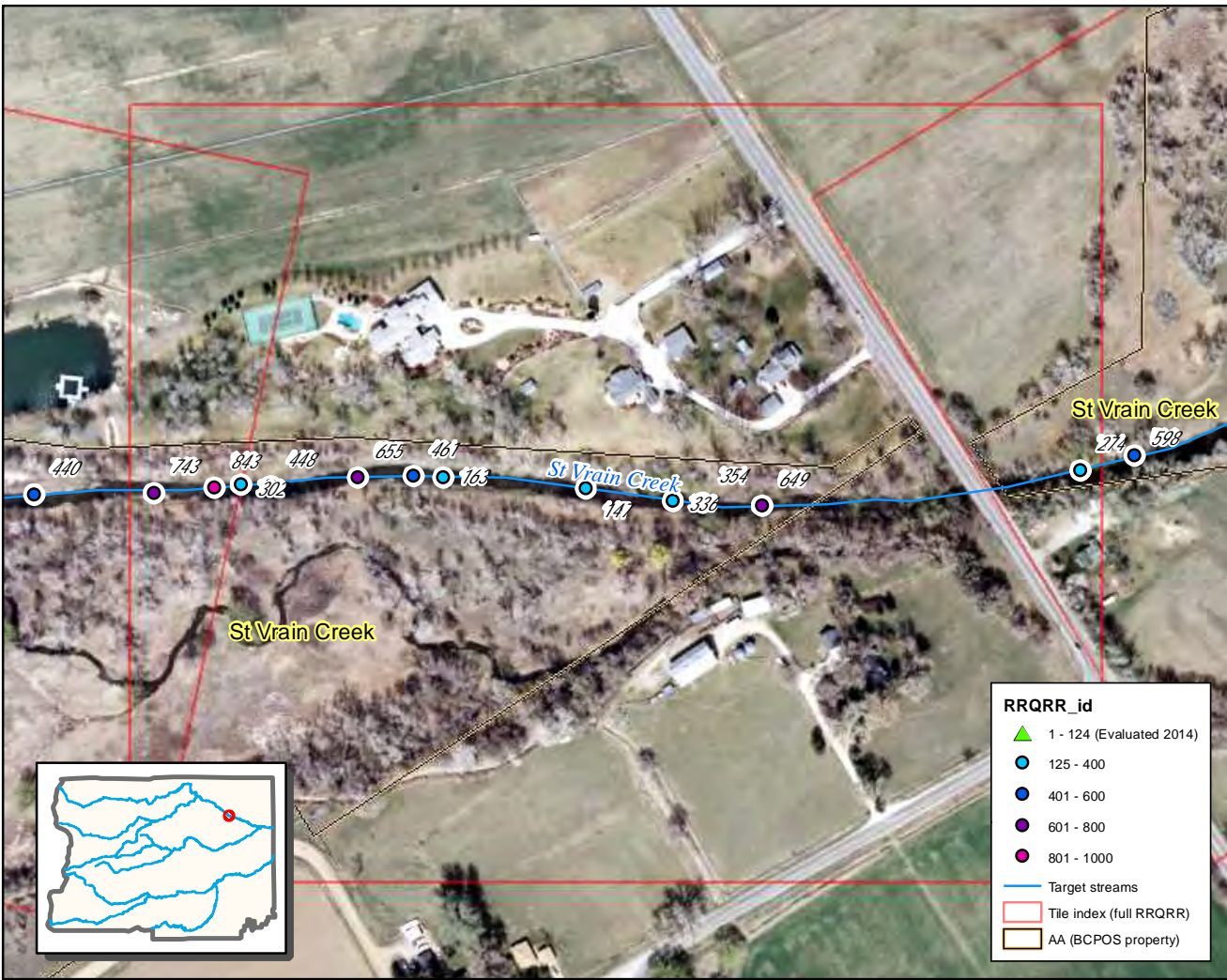


RRQR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQR)
- AA (BCPOS property)

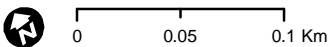


RRQR sample points

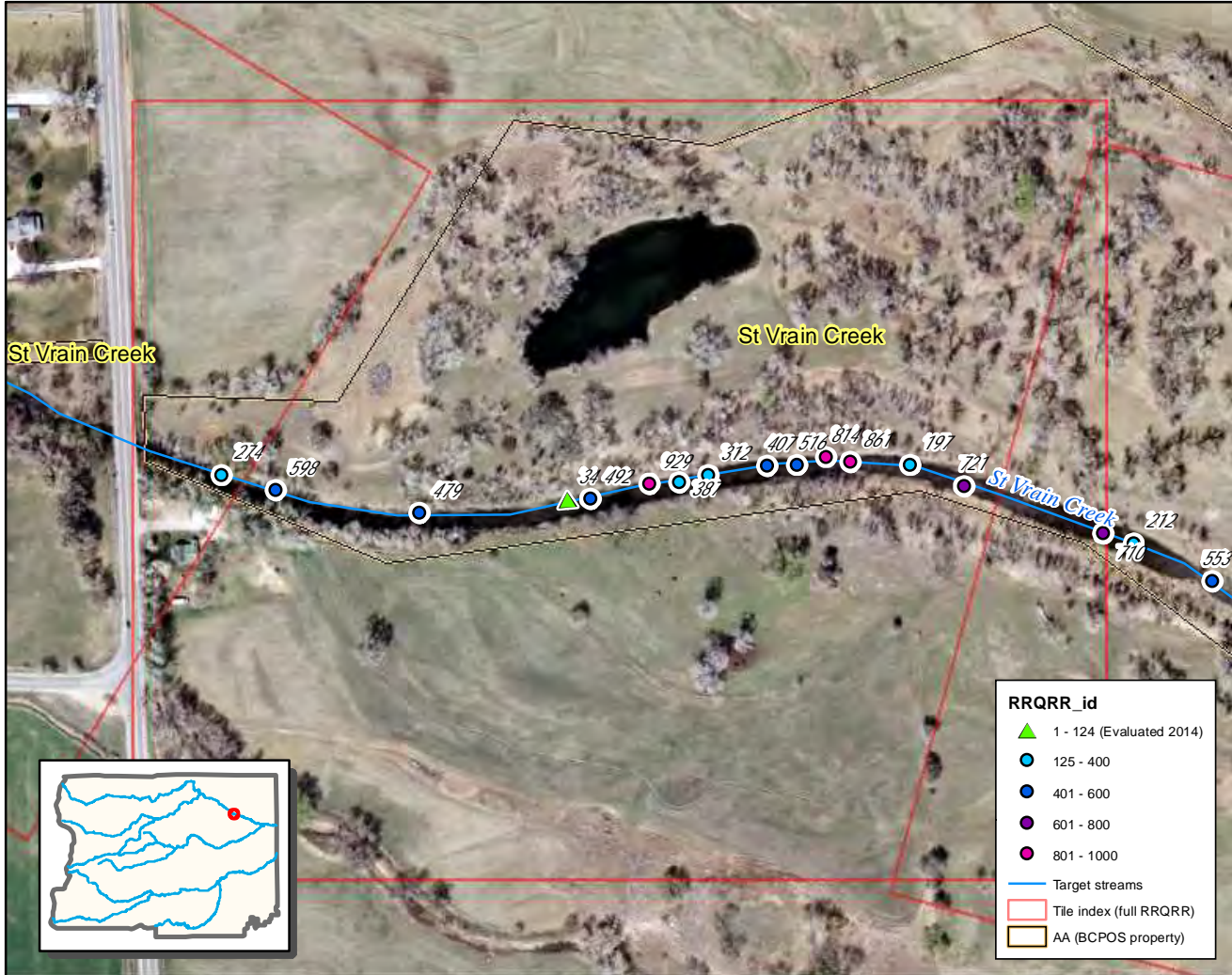


RRQR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQR)
- AA (BCPOS property)



RRQR sample points

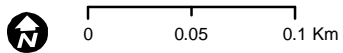
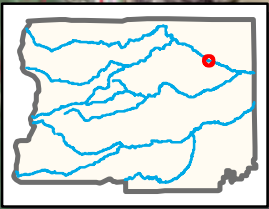


St Vrain Creek

St Vrain Creek

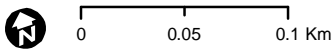
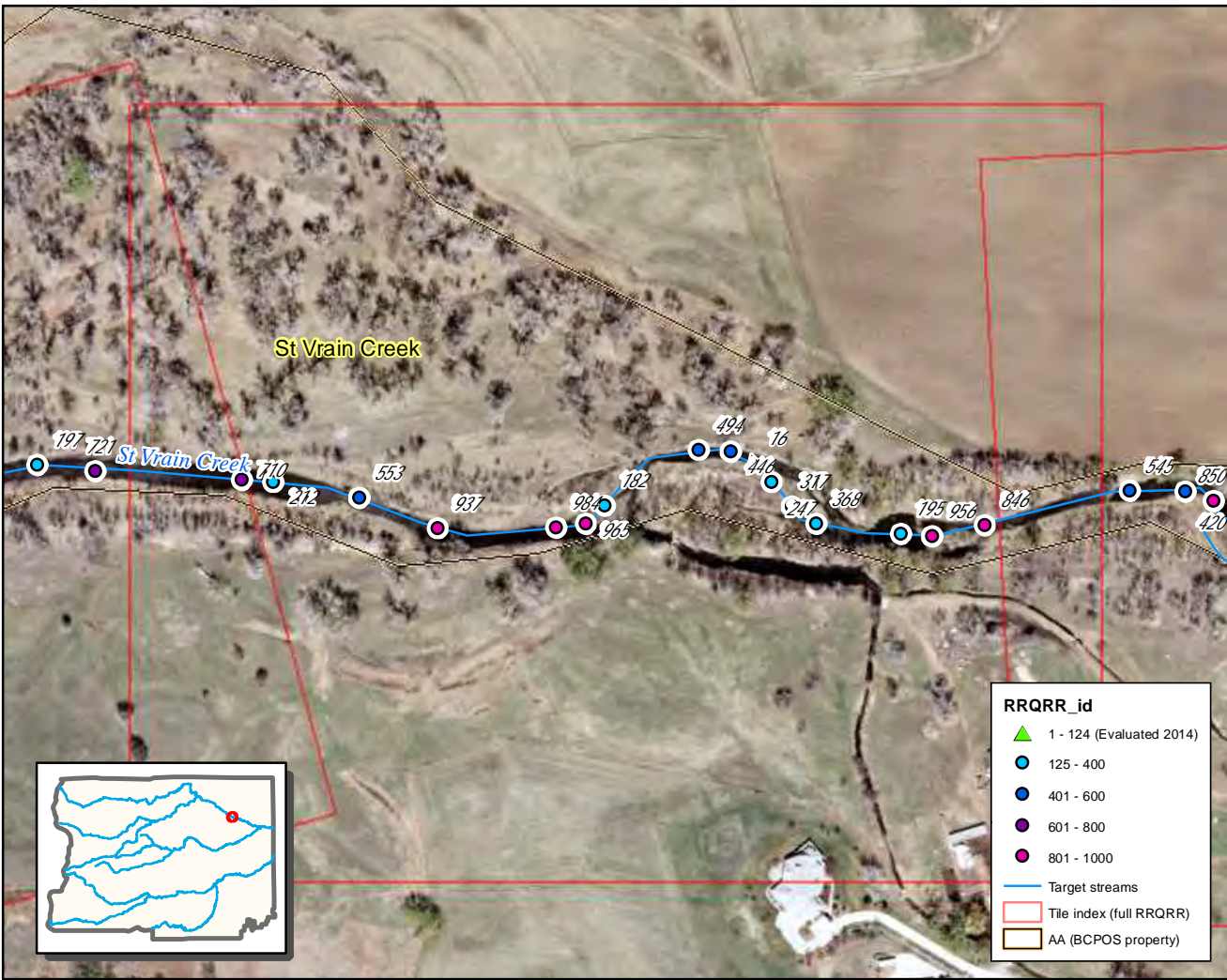
RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)



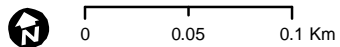
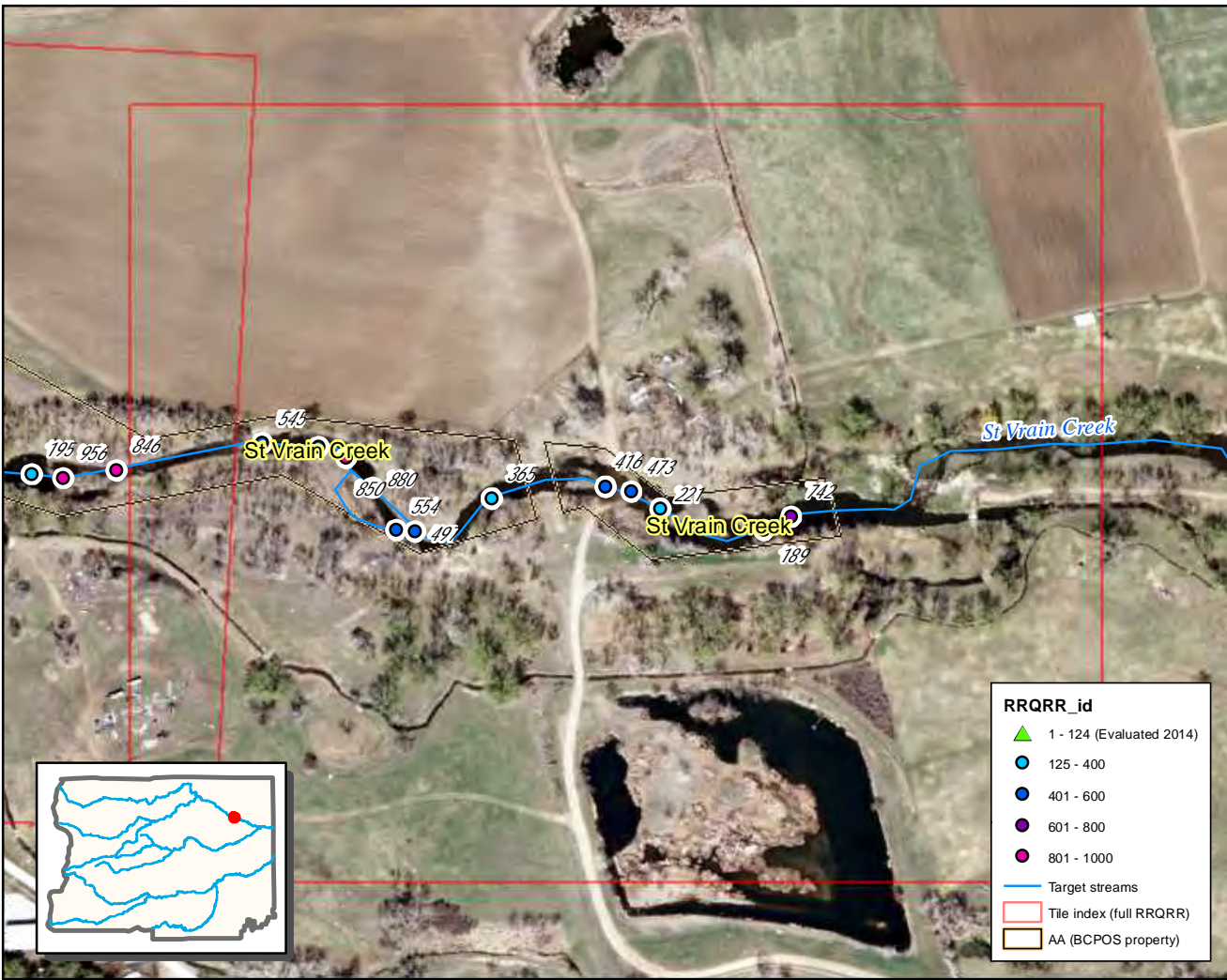
RRQRR sample points

Tile 90



RRQRR sample points

Tile 91

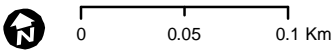
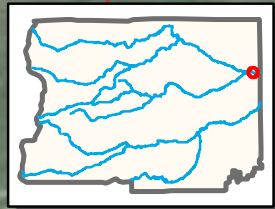


RRQRR sample points



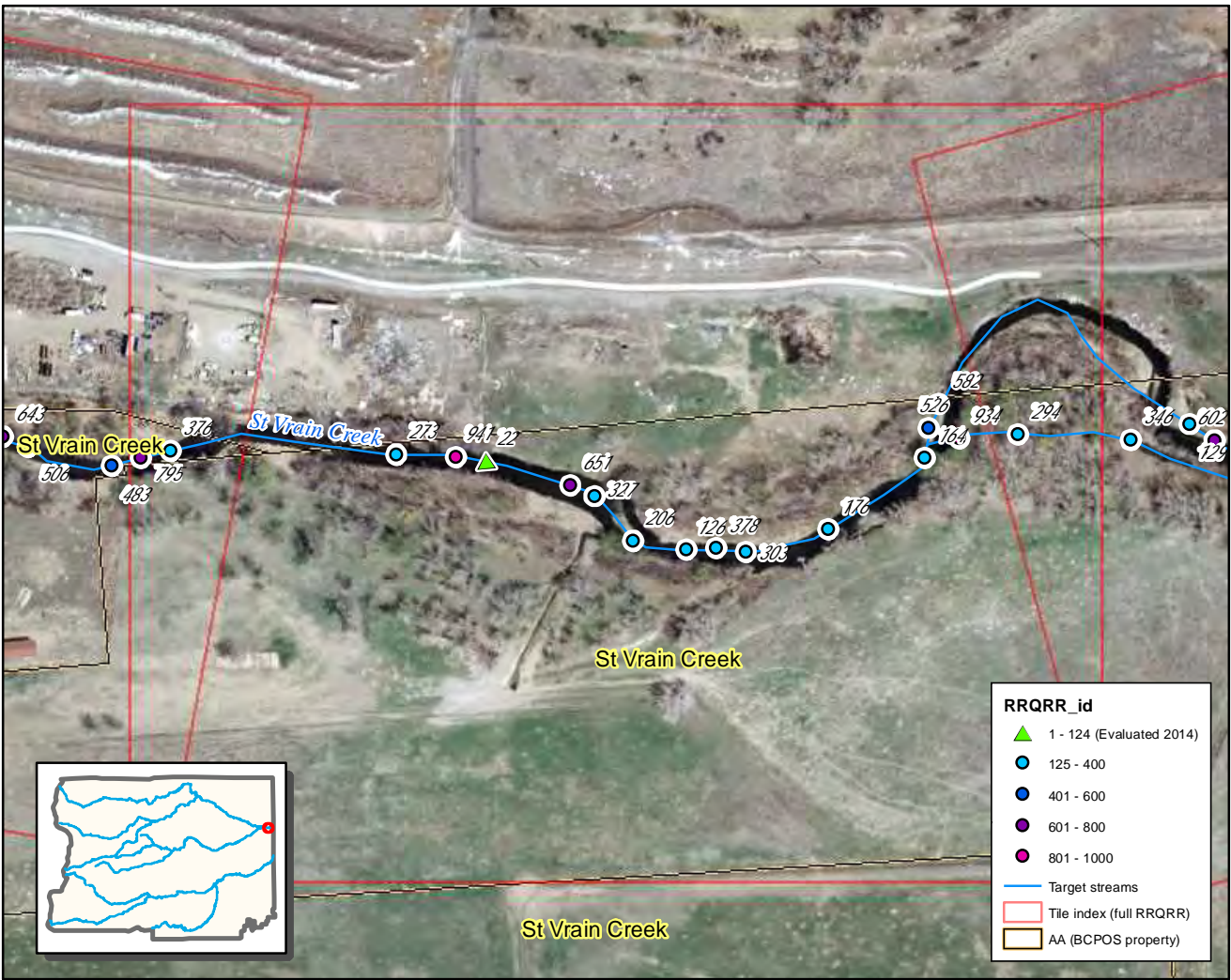
RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)



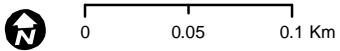
RRQRR sample points

Tile 93



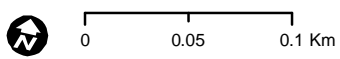
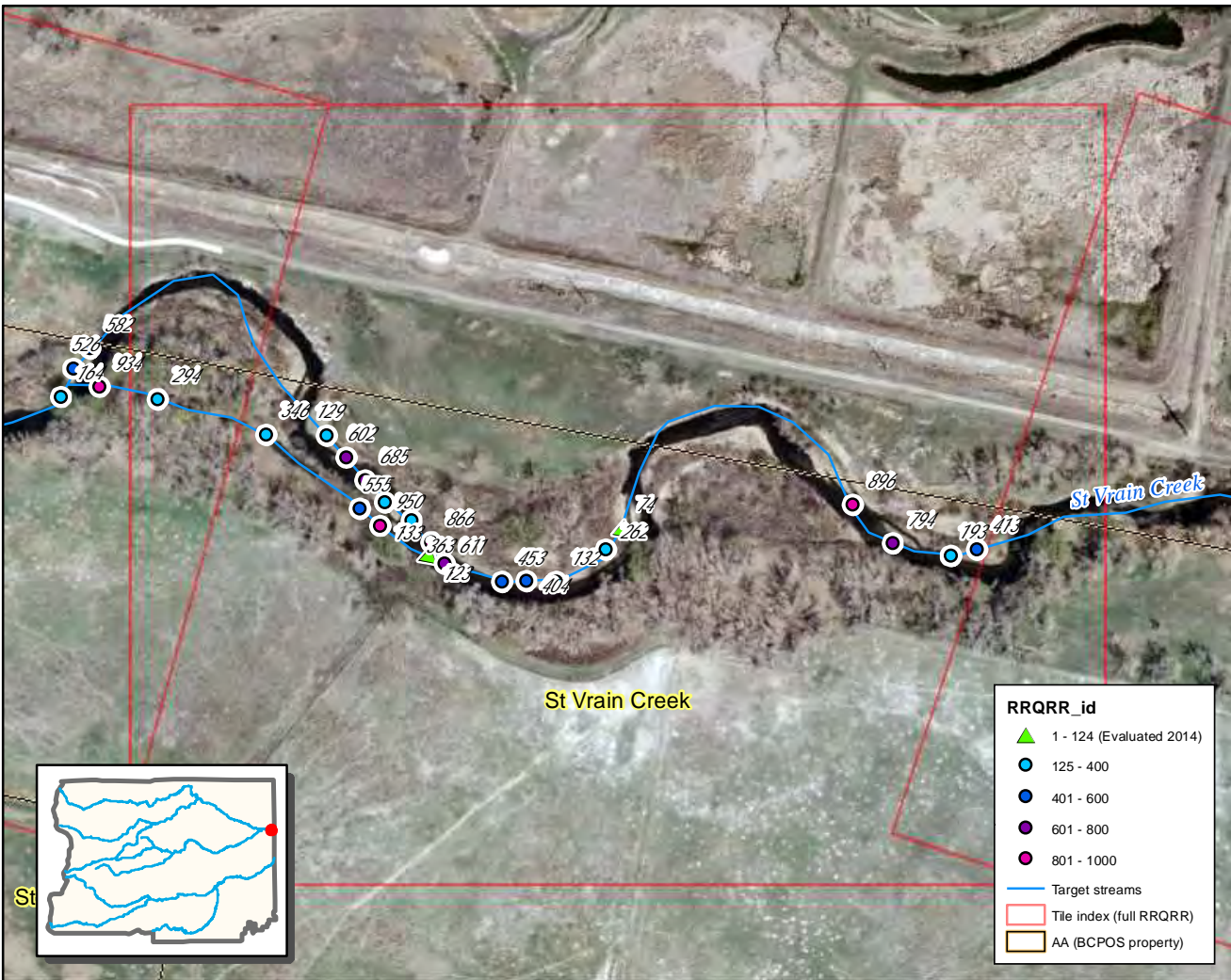
RRQRR_id

- ▲ 1 - 124 (Evaluated 2014)
- 125 - 400
- 401 - 600
- 601 - 800
- 801 - 1000
- Target streams
- Tile index (full RRQRR)
- AA (BCPOS property)



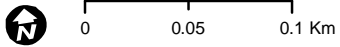
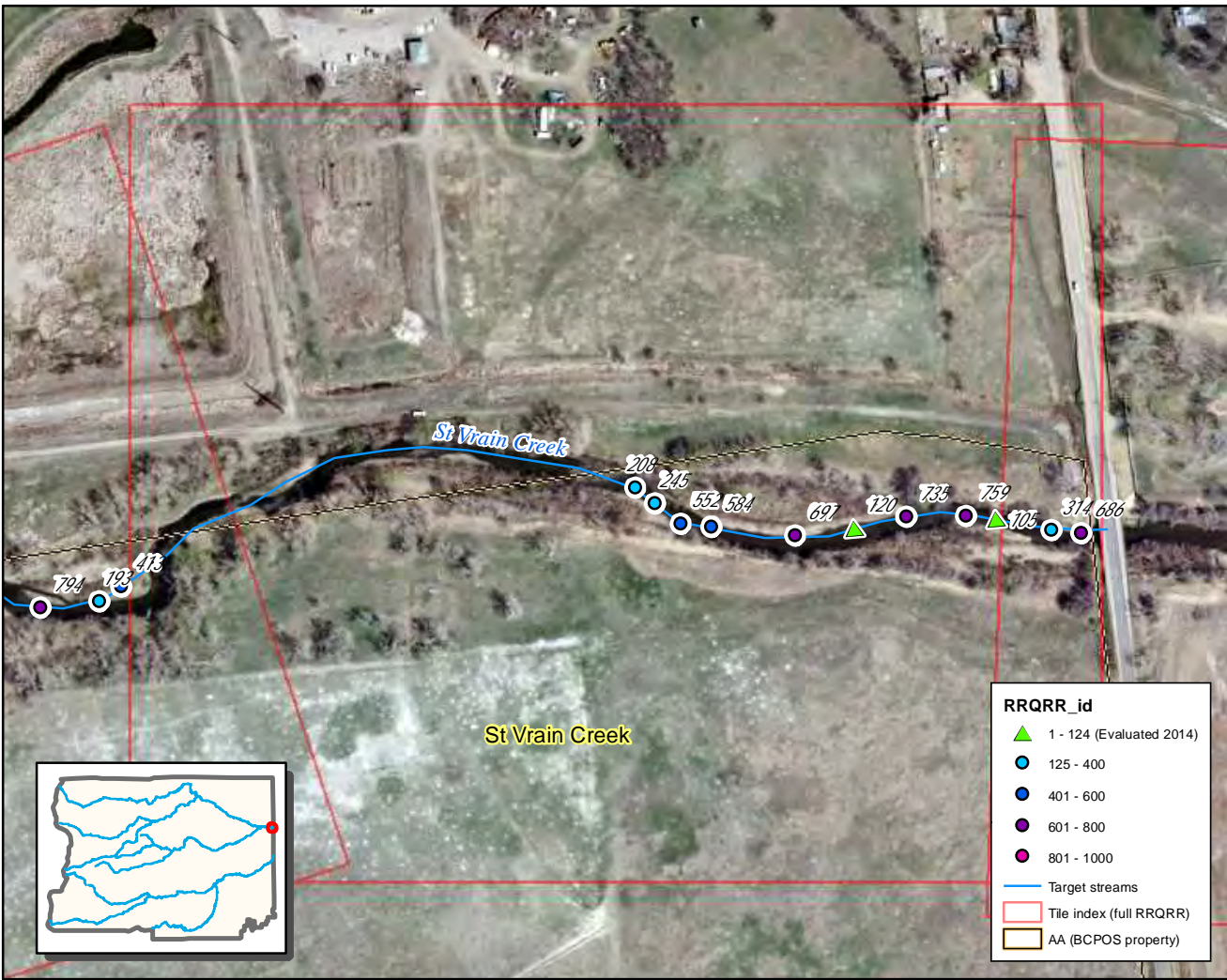
RRQRR sample points

Tile 94



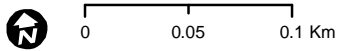
RRQRR sample points

Tile 95



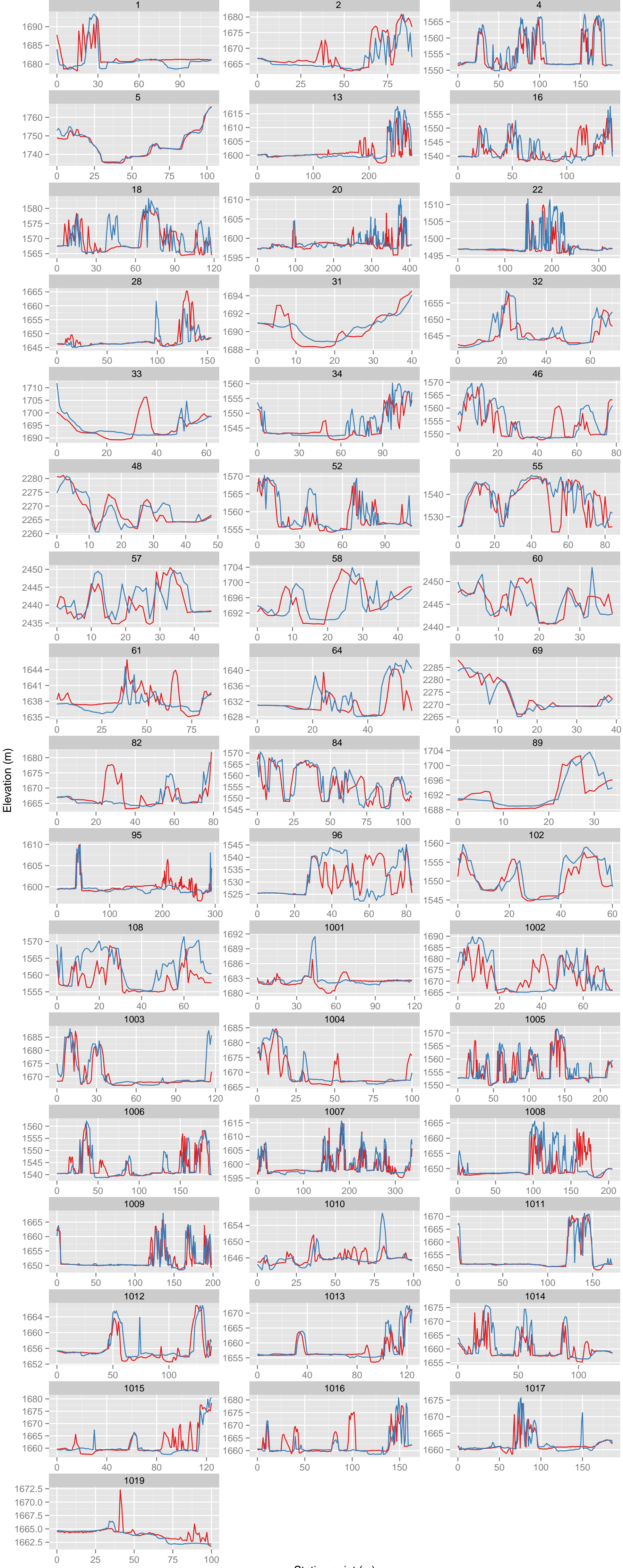
RRQRR sample points

Tile 96



RRQRR sample points

Tile 97



elev_type
— UTM11_FR
— Li13_FR

Elevation (m)

Station point (m)