December 2025 Storm Response
Wrightwood Area, San Bernardino County and Los Angeles County



March 3, 2026

SAN BERNARDINO COUNTY

California Department of Conservation
California Geological Survey

COUNTY OF LOS ANGELES CALIFORNIA

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LIMITATIONS: The observations and analyses included in this report are not intended to be fully comprehensive and/or conclusive, but rather to serve as preliminary data to document post-storm impacts and inform residences and agencies on the potential flood and debris flow hazards that exist in the Wrightwood area. Information gathered may help develop potential mitigations and/or management plans in preparation for future storm events.

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Introduction

On 24 December 2025, persistent heavy rainfall associated with a strong atmospheric river triggered significant flooding and sediment-laden flows in the eastern San Gabriel Mountains, San Bernardino County and Los Angeles County, California. The storm produced widespread flooding in areas not influenced by fire, such as Lytle Creek, but this report focuses on impacts to the community of Wrightwood where many of the upstream watersheds were burned in the 2024 Bridge Fire. We limit our assessment on Wrightwood based on its unique history of flooding, reports of extensive flood damage following the 24 December 2025 storm, and the potential that postfire effects may have influenced the runoff response and partially contributed to the observed impacts.

In general, the flood flows in Wrightwood resulted in overtopped drainage channels, flow path avulsions that inundated roadways, residences, and businesses, and significant channel scour and bank erosion that undermined Highway 2 and several creek-side structures. As a result of the damage, the California Geological Survey (CGS), the San Bernardino County Public Works (SBCPW), and the Los Angeles County Public Works (LACPW) conducted field-based observations and documentation of the flow characteristics, damage, and inundation extent. Field work was performed on 28-29 December 2025 (CGS), 24 December 2025 – 1 January 2026 (SBCPW), and 30 December 2025 (LACPW). Triggering rainfall intensities from nearby rain gauges, radar imagery, and associated runoff response were documented for the storm event.

In this report we provide a description of the physical characteristics of the impacted area, a summary of historic flood and debris flow events, and a discussion on state and local government assessments performed following the Bridge Fire. We also provide a discussion on the storm event and runoff response, including maps illustrating flow paths and inundation extents.

Study Area

Wrightwood is located on the north side of the San Gabriel Mountains on the border between San Bernardino and Los Angeles Counties (Figure 1). The town is situated within Swarthout Valley at an elevation of about 6,200 feet (1,190 m). Swarthout Valley is a mountain valley that formed along the trace of the San Andreas fault, which parallels the valley's axis, and is bounded to the northeast and southwest by rugged, forested terrain and steep-walled canyons, particularly those that descend Blue Ridge on the south side of the valley. Wrightwood has a population of about 4,700 and access is provided by Highway 2 that traverses the north side of Swarthout Valley.

Our assessment of storm impacts was largely focused in the Wrightwood community, generally between Sheep Canyon (also known as Slovar Canyon) to the east and Flume Canyon to the west and is designated as the "Study Area" on Figure 1. Data was collected along the mainstem channel (Swarthout Creek) paralleling Highway 2, which drains the upper portion of Swarthout Valley to the west, and along flow paths from four principal drainages (from east to west: Sheep, Heath, Acorn and Flume canyons) that flow northeasterly from Blue Ridge through Wrightwood and into Swarthout Creek. Except for Sheep Canyon, each watershed was either entirely or partially burned during the 2024 Bridge Fire and are now in the second year of recovery

following fire. Heath and Acorn canyons were largely burned at low severity. Flume Canyon was burned at low to moderate severity. Tributary watersheds to Swarthout Creek to the west of Wrightwood were burned at low, moderate, and high severity (Figure 1).

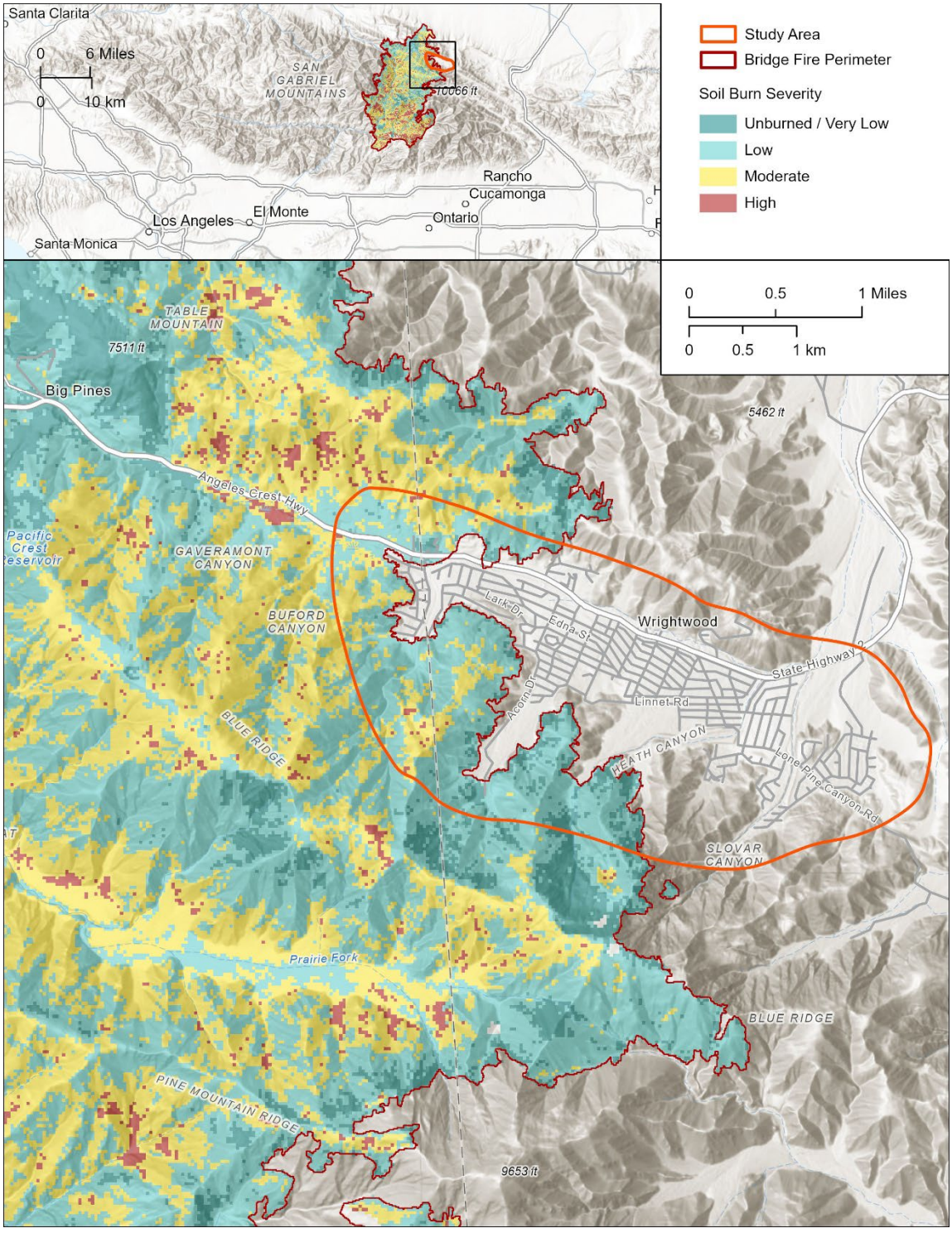


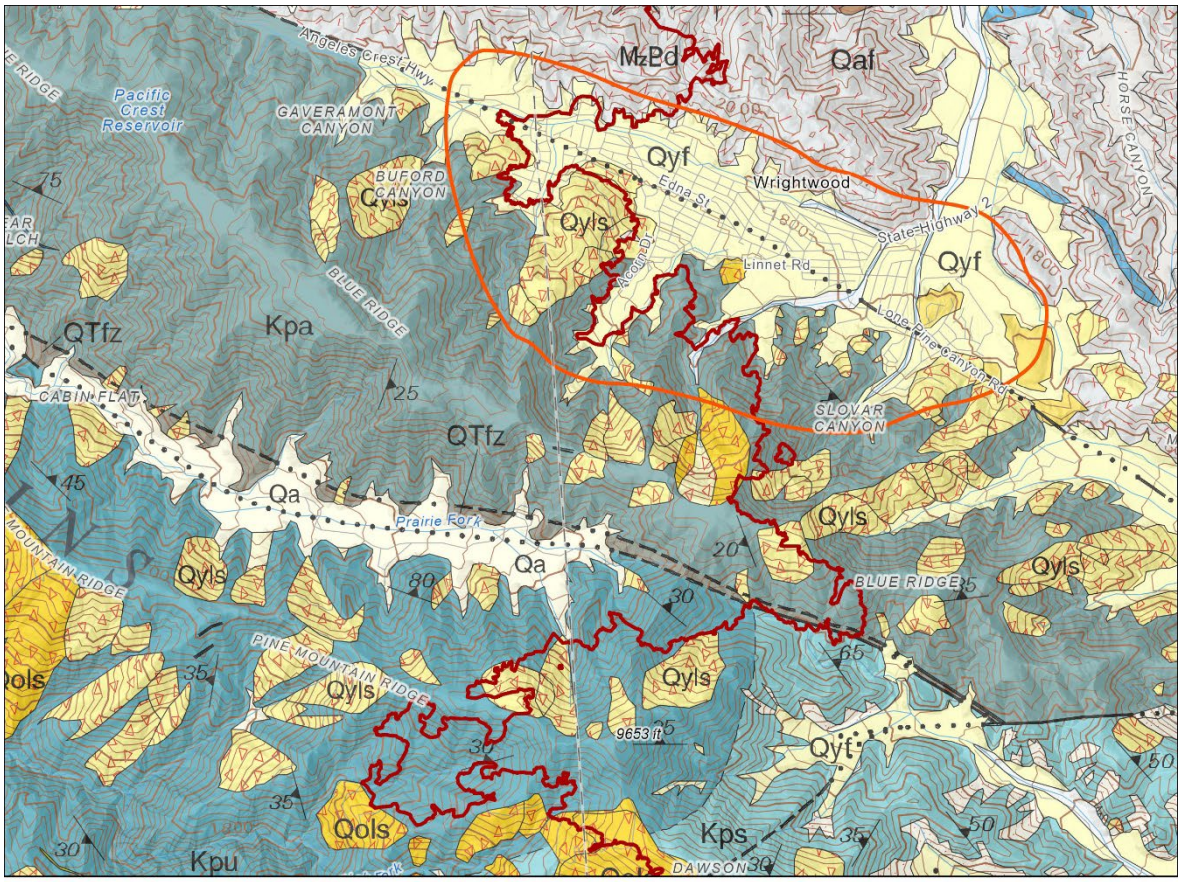
Figure 1. *Overview map of the Wrightwood area and a portion of the Bridge Fire.*

Geology

The San Gabriel Mountains are part of the Transverse Ranges Geomorphic Province. The San Gabriel Mountains are roughly bounded to the north by the San Andreas fault where it passes through Swarthout Valley and to the south by reverse faults of the Sierra Madre-Cucamonga fault complex that forms along the foothills separating the mountains from the Los Angeles basin. The San Andreas fault zone makes a large left bend across the Transverse Ranges oblique to the overall plate movement that generates a zone of compression and corresponding significant uplift within the San Gabriel Mountains (Kellogg and Minor, 2005; Morton and Matti, 1993).

The bedrock units in the vicinity of our study area include: 1) Precambrian igneous and metamorphic rocks, composed of gneiss and quartz diorite, that underlay Table Mountain on the north side of Wrightwood and north of the San Andreas fault; 2) undifferentiated pre-Cretaceous metamorphic rocks that underlay Blue Ridge and Wright Mountain south of Wrightwood, and 3) Quaternary nonmarine deposits that infill low-elevation areas within Swarthout Valley and include recent alluvium (Qal) comprised of fine-grained (silt to cobble size) fluvial deposits and coarse-grained (sand to boulder size) alluvial fan deposits (Figure 2). Much of the built community of Wrightwood is founded on alluvial deposits within Swarthout Valley and its tributary canyons including Heath, Acorn and Flume canyons. More detailed geologic mapping of the area is provided in Morton and Miller, 2006.

The basement igneous and metamorphic rocks readily form steep slopes and are strongly overprinted by fracturing due to deformation and uplift along the San Andreas fault, and thus are prone to rockfall, talus slope formation, and shallow and deep-seated landslide processes. The Pelona Schist (a Cretaceous to Paleocene metamorphic rock) is mapped south of Wrightwood (Morton and Miller, 2006; Dibblee, 2002) and is associated with active landslides on the northeast flank of Blue Ridge and Wright Mountain. Rapid uplift and highly fractured rock within the San Gabriel Mountains result in steep, highly erodible slopes that generate some of the highest sediment yield rates in California (Minear and Kondolf, 2009).



GEOLOGIC UNITS

Qaf	Artificial fill (late Holocene)
Qa	Very young axial-channel deposits (late Holocene)
Qyf	Young alluvial-fan deposits (Holocene and late Pleistocene)
Qyls	Young landslide deposits (Holocene and late Pleistocene)
Qols	Old landslide deposits (late to middle Pleistocene)
QTfz	Crushed rock in fault zones (Quaternary to Tertiary)
Kpu	Pelona Schist, undifferentiated (Mesozoic)
Kps	Pelona Schist, muscovite schist unit (Mesozoic)
Kpa	Pelona Schist, amphibolite grade unit (Mesozoic)
MzPd	Gneiss of Devil Canyon (Mesozoic to Proterozoic)

MAP SYMBOLS

Contact – Solid where accurately located; long dash where approximately located; short dash where inferred

Fault – Solid where accurately located; long dash where approximately located; short dash where inferred; dotted where concealed; queried where uncertain

Bridge Fire Perimeter

Study Area

0 0.5 1 Miles

0 0.5 1 km

N

Source: Morton, D. M., Miller, F. K., Cossette, P. M., & Bovard, K. R. (2006). Geologic map of the San Bernardino and Santa Ana 30' X 60' Quadrangles, California (Vol. 2016). US Geological Survey.

Figure 2. *Geologic map of the Wrightwood area. Note that the fire perimeter on this map marks the eastern edge of the Bridge Fire.*

Hillside Morphology

The hydrologic, geologic, and tectonic characteristics in the vicinity of Wrightwood make the area subject to debris flow and debris flood hazards. The area is characterized by rapid uplift and highly fractured rock driven primarily by the interaction between the seismic activity associated with the San Andreas fault and the exposure of highly-weathered Pelona Schist mapped south and west of Wrightwood (Dibblee, 2002). The Pelona Schist is a rock unit with well-known slope stability problems because of the platy structure, compressibility, and mica-rich composition that inhibits vegetation growth on steep slopes. During periods of intense storms and rapid snowmelt, the Pelona Schist generally yields a supply of fine sediment and debris (dominantly silt to cobble size) in source watersheds and is known for generating mud and debris flows[1] (Morton and Sadler, 1989; Morton and Kennedy, 1979; Morton et al, 1979).

Alluvial fans observed in the Wrightwood area downstream of steep confined drainages of high relief and denuded headwall swales suggest ongoing surface erosion and mass wasting. Relict channels and observed matrix-supported debris deposits across fan surfaces in some areas indicate a history of debris flows, independent of postfire conditions (see discussion below on Historic Record of Past Flow Events). However, increases in postfire runoff and fine sediment delivery into channels can amplify the likelihood for in-channel mud and debris flow initiation (Palucis et al., 2021; DiBiase and Lamb, 2020).

Historic Record of Past Flow Events

The Wrightwood area has a history of destructive flooding and debris flow events, often triggered by intense thunderstorms, heavy winter rains, or spring snowmelt. Significant, recurring events have partially inundated portions of the town, particularly impacting areas near Sheep, Acorn, and Heath creeks. Major flows have been recorded in 1938, 1941, 1965, 1969, 1978, and most recently in 2023 following tropical storm Hilary. Flooding and debris flow events within the Wrightwood area were largely not associated with wildfire (Morton and Campbell, 1974; Caltrans District 8, 2020).

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[1] Postfire flow types occur on a continuum ranging from flood flows to hyperconcentrated, or sediment- and debris-floods, to mudflows and debris flows. The distinction between flows along this continuum is made based on the volumetric sediment concentration and grain size distribution, as described in Gorr et al. (2024), Hungr et al. (2001), Church and Jakob (2020), and Pierson (2005 a,b)). Characteristics differentiating the two end members, flood flows and debris flows, are adapted from Hungr et al. (2001), and Pierson (2005b), and are summarized as:

Flood flows – closely resemble normal streamflow with sediment concentrations less than 20% by volume, bedload transport composed of sands to cobbles and have predictable Newtonian fluid behavior.

Debris floods (hyperconcentrated flow) – rapid, surging flow that is heavily charged with debris and sediment. Suspended sediment composed of sand-sized particles is common with bedload transport composed of cobbles to boulders. Approximately Newtonian flow behavior with 20% to 60% sediment concentration by volume. Transient debris dams of boulders and woody material are common.

Debris flows – rapid, surging flow composed of a slurry of sediment and water with suspended gravels and boulders. Less predictable non-Newtonian flow behavior with sediment concentrations of >50% by volume. Has the ability to cause catastrophic damage from burial and impact that can infill and divert streams, and destroy automobiles, buildings, and infrastructure.

1938: A rain on snow event in the spring of 1938 resulted in debris flows and mudflows that inundated portions of Flume, Acorn, Heath and Sheep canyons (DWR, 1976).

1941: Mudflows are reported to have occurred daily for more than a week in May 1941 due to rapidly melting snow in source watersheds within the Heath Canyon drainage. The surging fronts were comprised of a “slimy gray cement-like” mud and a bouldery snout formed at the front of more viscous surges (Sharp and Nobles, 1953). The total mudflow volume was estimated at 917,000 cubic meters (cm) (1.2 million cubic yards (cy)) (DWR, 1976).



Figure 3. *1941 flow event showing home in the Wrightwood area inundated by mudflows (left) with the consistency of ketchup exiting Heath Canyon (right).*

1965: Debris flows sourced from Heath and Sheep canyons caused extensive inundation and widespread damage to residences and roads (Figure 4). Debris volumes were estimated at 350,000 cm (455,000 cy) in Heath Canyon and 92,000 cm (120,000 cy) in Sheep Canyon. The flows were the result of prolonged heavy rain in November 1965 (DWR, 1976).

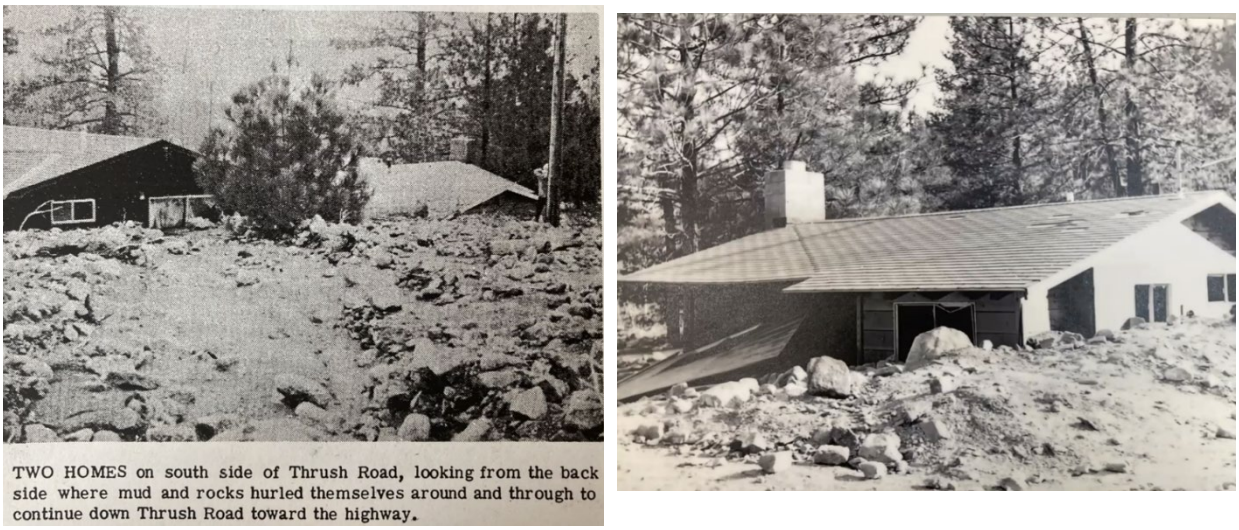


Figure 4. *Homes inundated with debris during 1965 flow event along Heath Creek near Thrush Road (left) and Sparrow Road (right).*

1969: Mudflows originating in the upper reaches of the Heath Canyon drainage occurred over a 40-day period in May and June of 1969. The flows were the result of rapid thawing of heavy snowpack combined with debris from recent movement of the Wright Mountain landslide in 1967 and 1968 (Morton, 1974). The mudflow volume was estimated at 153,000 cm (200,000 cy) with deposition being contained within flood control channels (Morton et al., 1979).

1978: Mudflows and debris flows originating in the Heath Canyon drainage impacted Wrightwood in May 1978. The flows again were the result of rapid snowmelt combined with debris from the Wright Mountain landslide. Video footage and images posted by the Wrightwood Historical Society (WHS, 2023) show viscous surges with bouldery fronts and structures inundated with large cobbles and boulders. Thrush Road and the Highway 2 bridge over Heath Creek were heavily impacted.

2023: Tropical Storm Hilary triggered widespread flood flows and debris flows in southern California, including impacts in Wrightwood. Caltrans video captured flooding with mobilized debris along Sheep Creek at Highway 2. Subsequent observations by CGS personnel documented that debris from watery debris flows had overtopped the Highway 2 bridge at Sheep Creek and slightly overtopped the bridge on this creek at Lone Pine Canyon Road. Slight overtopping also occurred at the Highway 2 bridge over Heath Creek.

Bridge Fire

Watershed Emergency Response Team (WERT)

The Bridge Fire burned 54,878 acres in the San Gabriel Mountains between 8 September 2024 and 3 October 2024. The occurrence of widespread moderate to high soil burn severity on steep, upland slopes meant that parts of the Bridge Fire and downstream areas were subject to postfire hazards such as sediment-laden flooding, debris flows, and increased erosion. Due to

the potential for increased postfire runoff hazards and proximity of the Bridge Fire perimeter to residential areas (including Wrightwood) and critical infrastructure, the burn area was assessed by an interagency Watershed Emergency Response Team (WERT). The WERT report[2], dated 24 October 2024, presents the results of a rapid evaluation of postfire watershed conditions and postfire hydrologic and geologic hazards related to human life-safety and property collectively known as Values-at-Risk (VARs).

Soil Burn Severity

The initial field assessment by the WERT was conducted using a Burned Area Reflectance Classification (BARC) map that was field validated and edited in collaboration with soil scientists from the USFS Bridge Fire BAER team to create a Soil Burn Severity (SBS) map of the burn area.

Within the Bridge Fire footprint, 36 percent of the area was burned at low, 41 percent at moderate, 13 percent at high and 9 percent at very low/unburned soil burn severity. Just under 1 percent of the burned area produced no data. The majority of the watersheds above the Wrightwood area are occupied by mixed conifer forest (Cal Fire, 2024). Soil burn severity in watersheds to the south of Wrightwood was predominantly very low to low in the Acorn Canyon and Heath Canyon drainages, and low to moderate in the Flume Canyon drainage (Figure 5). Watersheds to the west of Wrightwood (and east of Big Pines) that drain into Swarthout Valley were burned largely at moderate with some low and high.

Postfire Hydrology

Peak flows can increase following wildfire due to reduced vegetation, surface cover, infiltration rates, and the formation of water repellent soils. The largest peak flows occur during intense, short duration rainfall events on watersheds with steep slopes (Neary et al., 2005). Four watersheds, or “pour points”, were selected by the WERT to estimate potential postfire peak flow increases to VARs from debris flood to debris flow hazards in the Wrightwood area (Figure 5) assuming a 2-year recurrence interval storm event. These pour points (PP) represent locations of elevated flood and debris flood hazards to private and public roads and residential structures.

The WERT estimated the relative magnitude in runoff from prefire to postfire conditions immediately following fire, as outlined in the WERT report (Figure 5). Results show that PP #1 (West Wrightwood), PP #2 (Flume Canyon), and PP #4 (Hwy 2 crossing @ Wrightwood) all had “high” anticipated postfire responses, with PP #3 (Acorn Canyon) being slightly less concerning with a “moderate” anticipated postfire response.

Wrightwood Area Values-at-Risk (VARs)

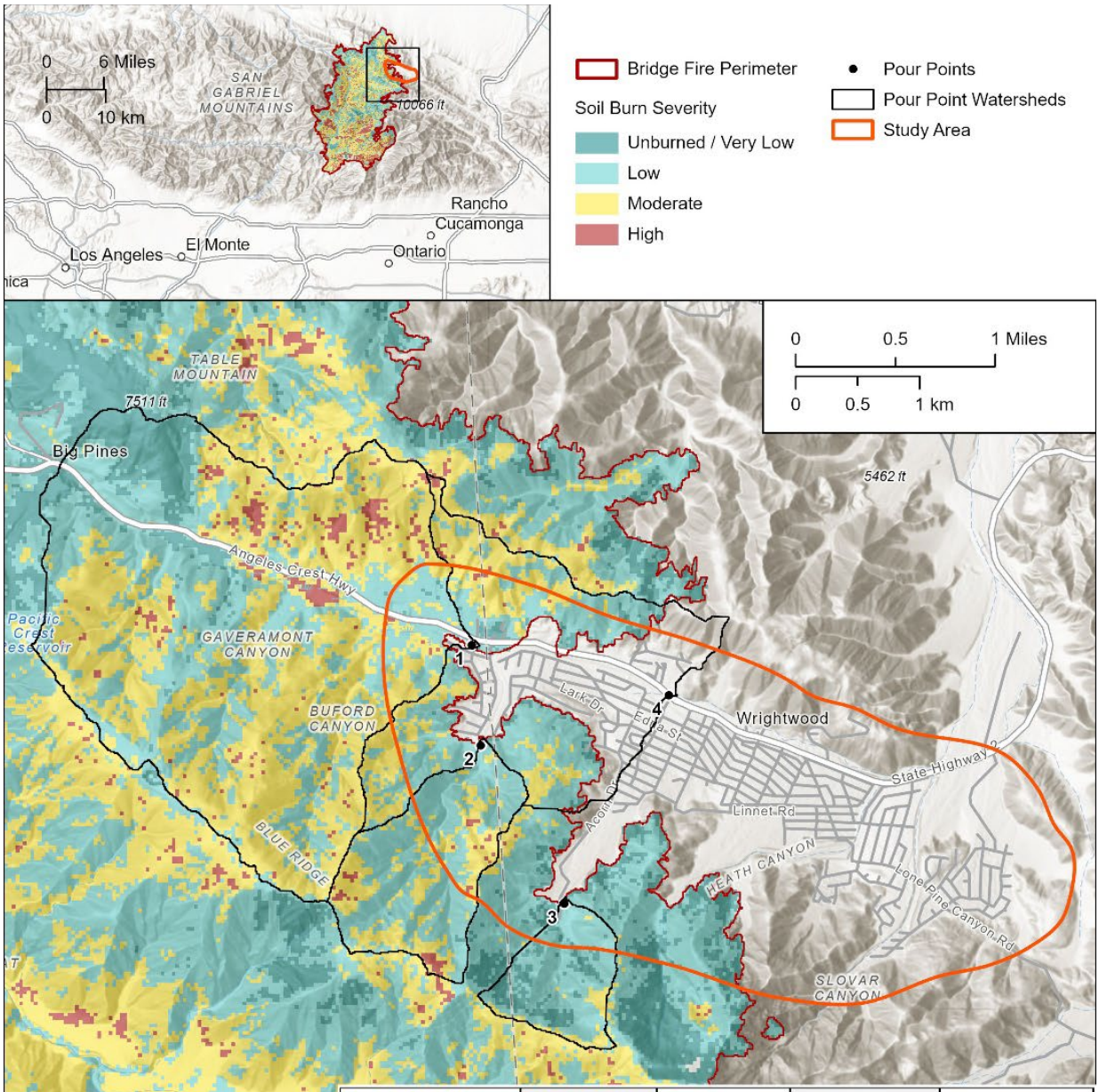
Several VARs were identified in the Wrightwood area by the WERT and by SBCPW and LACP, including residential and commercial structures located on alluvial fan surfaces downslope of steep burned drainages, structures adjacent to Swarthout Creek, State Highway 2, and associated culverts and crossing structures. Channels on the fans in Flume Canyon and Acorn

[2] The Bridge Fire WERT report is available for download from the California Geological Survey’s Burned Watershed Hazards Program web page:
https://www.conservation.ca.gov/cgs/documents/publications/wert/Bridge_Fire_WERT_FINAL_10242024_ADA.pdf

Canyon were observed to flow adjacent to structures with no observable drainage structures in many locations. The proximity of the structures to drainage channels suggested that the structures may be impacted by bulked and overtopping flows due to postfire conditions. Additionally, several flow paths were observed to intersect Highway 2 with no observed drainage structures. Culverts and other drainages along the highway were found to be at risk of overtopping. VAR locations in Wrightwood identified by the WERT are shown in Figure 6 and generally aligned well with observed flood and debris flood impacts.

Year-1 postfire storm response

Within 7 months following the containment of the Bridge Fire, the slopes above Wrightwood were impacted by a 13 February 2025 storm that resulted in 60-minute rainfall accumulations of about 0.7 inches in the town of Wrightwood. At higher elevations (above ~1900 m), the precipitation fell as snow, covering the hillslopes and causing minimal runoff to occur. Another storm impacted the region on 13 March 2025 and also fell as snow in the upper portion of the watersheds. The snowpack persisted into April 2025 (NOHRSC, 2026) and may have minimized soil erosion and channel scour during these storms. Decreased erosion of loose, postfire sediment from hillslopes and channels due to these cold, snow-dominated storm events in the first winter following the Bridge Fire may have influenced the runoff response during the 24 December 2025 storm event.



	PP #1	PP #2	PP #3	PP #4
Unburned/ Very Low	173 (7.9%)	1 (0.3%)	43 (21.7%)	213 (6.0%)
Low	793 (36.2%)	268 (65.3%)	136 (68.7%)	1,362 (38.6%)
Moderate	1,144 (52.3%)	130 (31.7%)	19 (9.6%)	1,490 (42.3%)
High	75 (3.4%)	12 (2.8%)	0 (0.0%)	91 (2.6%)
Outside Fire	3 (0.1%)	0 (0.0%)	0 (0.0%)	369 (10.5%)
Total Acres	**2,189**	**411**	**198**	**3,526**
Total km^2	**8.9**	**1.7**	**0.8**	**14.3**

Figure 5. *Burn severity statistics of pour points in the Wrightwood area. Reproduced from WERT report.*

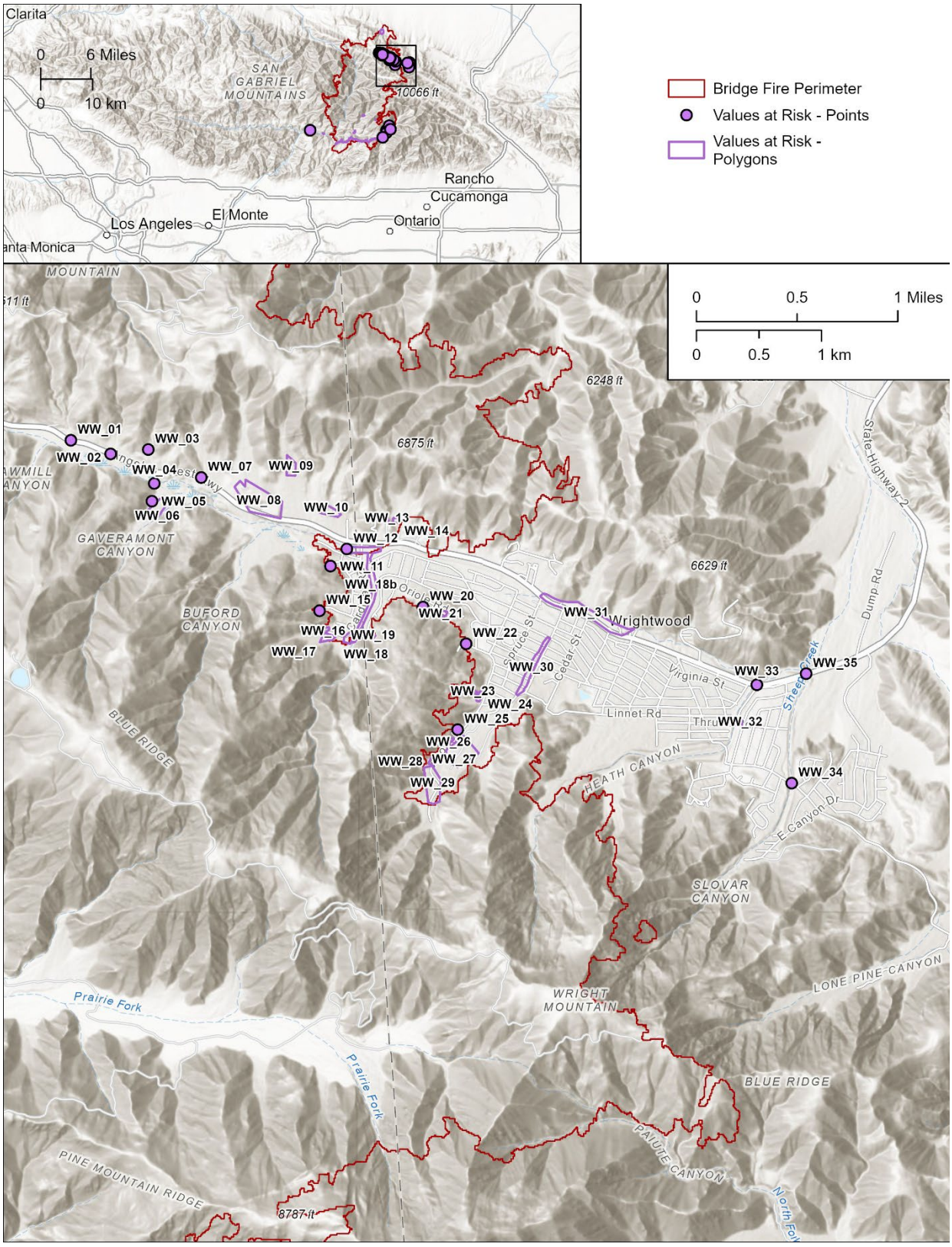


Figure 6. *Values at risk (VARs) in the Wrightwood area, as identified in the WERT report.*

24 December 2025 Storm Event

The 24 December 2025 storm that impacted Wrightwood and surrounding region was associated with a frontal system featuring a strong atmospheric river that moved across southern California, resulting in prolonged periods of intense rainfall over the San Gabriel Mountains (Figure 7).

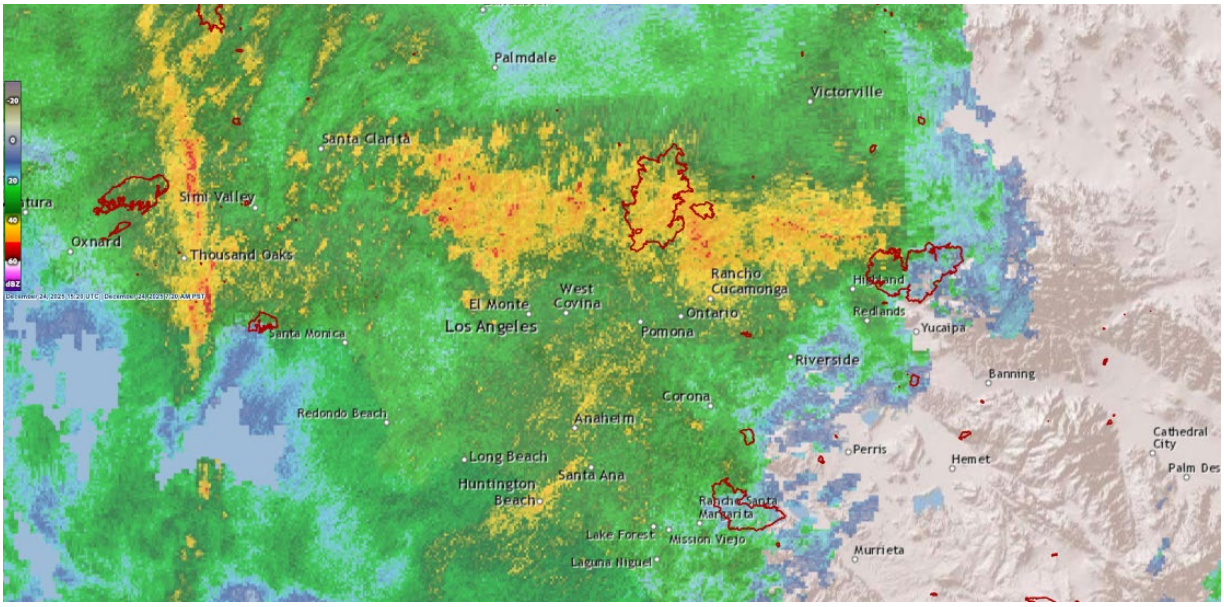


Figure 7. *Radar image from 7:20 PST 24 December 2025, shows a broad area of moderate-to-heavy rainfall along the San Gabriel Mountains as the atmospheric river passed over the area. Source: California Nevada River Forecast Center.*

To assess rainfall conditions associated with the observed debris floods, we sourced hourly to sub-hourly rain gauge data from San Bernardino County (https://sanbernardino-iridium.trilynx-novastar.systems/novastar/operator/map), Los Angeles County (https://dpw.lacounty.gov/wrd/rainfall/), and various agency/personal weather stations via Synoptic (https://synopticdata.com/). As data were sparse in the Wrightwood area, we additionally sourced data from Weather Underground personal weather stations (https://www.wunderground.com/wundermap). During this storm, the San Bernardino County rain gauge (Wrightwood FS, 9026) station experienced delayed data transmissions resulting in some data points as accumulations over durations longer than five minutes. Though it is not typical practice to rely on personal weather stations for event analyses due to uncertainty in their equipment, siting, and maintenance, we found the general precipitation characteristics (peak intensities, accumulation) at the Weather Underground station closest to 9026, KCAWRIGHT45, to track well with 9026. We use KCAWRIGHT45 to display timeseries characteristics in Figure 8 and present peak intensities from both stations in Table 1. Most Weather Underground stations go offline at approximately 16:00 PST, likely associated with a power outage. Thus, we cannot calculate accumulations for durations longer than ~12 hours for these stations.

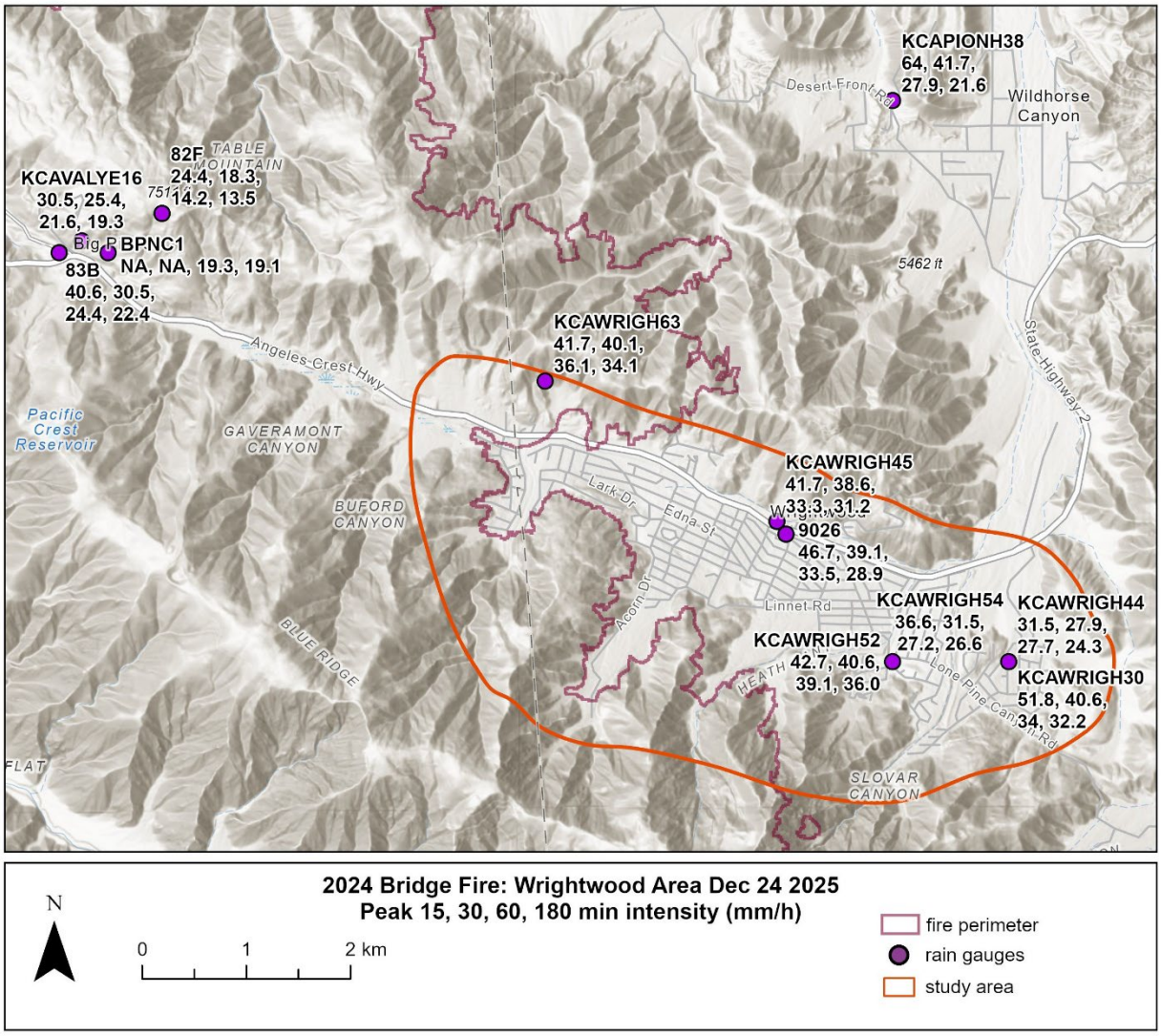


Figure 8. *Station ID and peak 15-, 30-, 60-, and 180-min (3 hour) rainfall intensities (mm h^{-1}) for rain gauges in the Wrightwood area.*

Water Year-to-Date precipitation accumulation prior to the event was approximately 200 mm (8 inches) in the Wrightwood area, with the most recent storm occurring only days prior. This substantial antecedent and recent rainfall suggest favorable conditions for enhanced runoff.

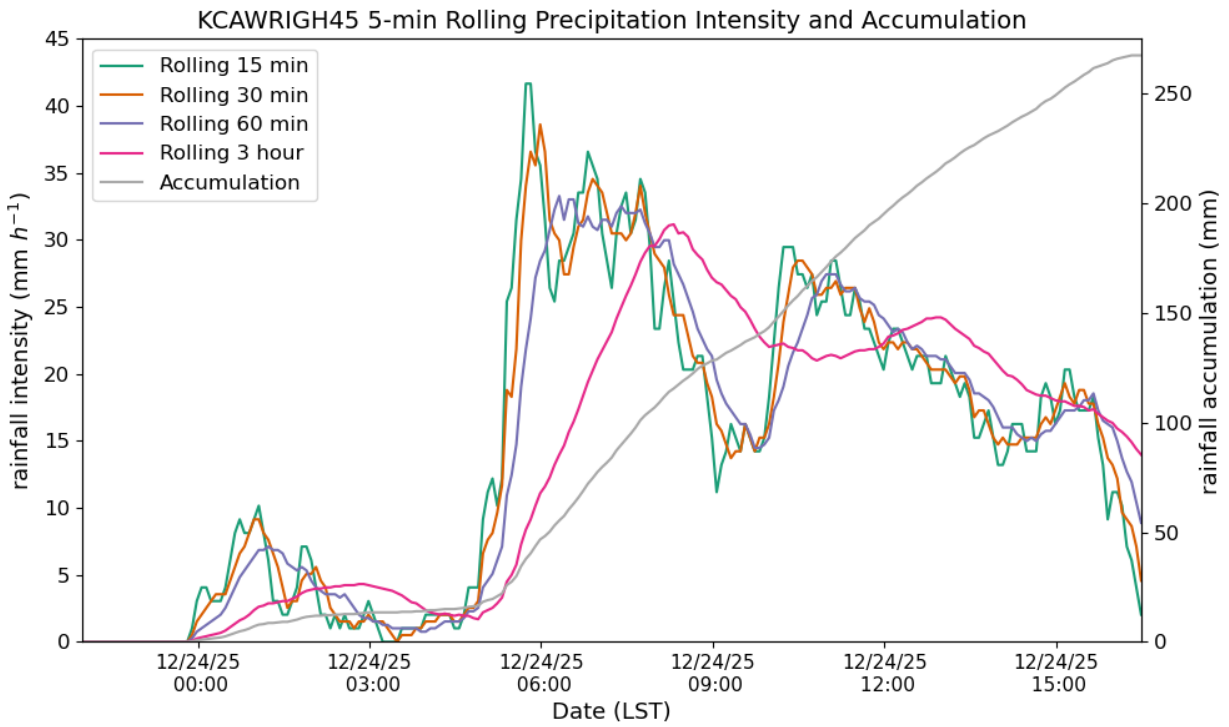


Figure 9. *Timeseries of 15-, 30-, 60-min and 3-hour rainfall intensity and rainfall accumulation (updated in 5-minute increments) on December 24 from Weather Underground station KCAWRIGH45. Note station went offline at approximately 16:00, though rainfall tapered off at this time.*

Rainfall began in Wrightwood just before midnight December 24 and intensified into the morning hours. Peak rainfall intensities occurred during the 3-hour period from approximately 5:00-8:00 LST. Rain rates were persistent over this 3-hour period (Figure 9); 15-, 30-, and 60-min rates remained steady around 30-40 mm h^{-1}. The peak 15 min intensities had an Average Recurrence Interval (ARI) of ~2-5 years, 30 min ~4-8 years, and 60 min ~10-20 years (Table 1), per NOAA Atlas 14 precipitation frequency data. At the 3-hour duration, intensity drops slightly to ~25-35 mm h^{-1}, though ARIs, are much higher, ~30-100+ years (Table 1). Local officials received the first reports of flooding at approximately 7:30 LST, following nearly two hours of heavy rainfall well after the peak 15- and 30-min intensities observed around 5:30-6:30, and prior to the peak 3-hour intensity that occurred just after 8:00 LST. Thus, the runoff response appears to correlate best with rainfall rates over a duration of about 60 minutes, which would roughly equal the time of concentration for several of the tributary drainages upgradient of Wrightwood, and have an ARI of about ~10-20 years (Table 1).

Table 1: *Rain rate (mm h^{-1}) and Average Recurrence Interval (ARI; years) for five stations in the Wrightwood and Big Pines areas (see Figure 9) at the 15-, 30-, 60-minute and 3-hour durations. ARIs are interpolated from values provided from the NOAA Atlas 14 Precipitation Frequency Data Server (https://hdsc.nws.noaa.gov/pfds/) using the methods of Staley et al. (2020). Stations with IDs beginning in "KCA" are Weather Underground stations, 9026 is operated by San Bernardino County, and 83B is operated by Los Angeles County.*

Station ID	15 min	ARI	30 min	ARI	60 min	ARI	3 hour	ARI
KCAWRIGH45	41.7	3.2	38.6	6.6	33.3	12.3	31.2	67.8
9026	46.7	4.6	39.1	7.4	33.5	12.9	28.9	49.3
KCAWRIGH63	41.7	3.3	40.1	8.5	36.1	18.6	34.1	127.5
KCAWRIGH54	36.6	2.2	31.5	3.4	27.2	5.6	26.6	31.2
83B (Big Pines)	40.6	3.8	30.5	5.3	24.4	8.0	22.4	54.8

Not shown here, as they occurred after the flood response of interest, the peak 6-hour and 12-hour rates were more extreme than the shorter durations. At the 6-hour duration, rainfall intensity was ~22-27 mm h^{-1} with ARIs spanning ~100-200 years, and at the 12-hour, ~17-21 mm h^{-1} with ARIs spanning ~100-400 years. The 24-hour total from the Wrightwood Fire Station (9026) was 258.1 mm, an ARI of 91.7 years.

Postfire Recovery

As previously discussed, the estimated postfire runoff response immediately following the Bridge Fire ranged from moderate to high for the four pour points associated with the Wrightwood area (Figure 5). However, postfire effects influencing runoff generally diminish with time as burned watersheds recover. Postfire recovery is often tracked remotely using monthly composite Leaf Area Index (LAI) estimates derived from MODIS satellite data (e.g., Graber et al., 2023). For each of the four watersheds draining to the pour points, we computed the mean, median, and first and third quartiles of LAI for the month of November from 2018 through 2025, to characterize the state of the vegetation in late fall of each year. We repeated this computation for an unburned area southeast of Wrightwood of similar vegetation and morphology as the pour point watersheds (Figure 10A). Though a small fire-induced perturbation to LAI is evident in the first November following fire (2024), LAI was similar to or higher than prefire levels by November 2025 (Figure 10B-F). This can likely be attributed to the precipitation received in winter 2024-2025 and early fall 2025, and to the low soil burn severity in a large portion of the watersheds, which already had a high fraction of minimally vegetated rock and colluvium before the fire. This postfire recovery analysis indicates that perturbation due to the Bridge Fire may have been of low importance for generating the 24 December 2025 flow event. This finding is supported by the occurrence of localized flooding and debris floods in unburned watersheds, such as Lytle Creek, near Wrightwood.

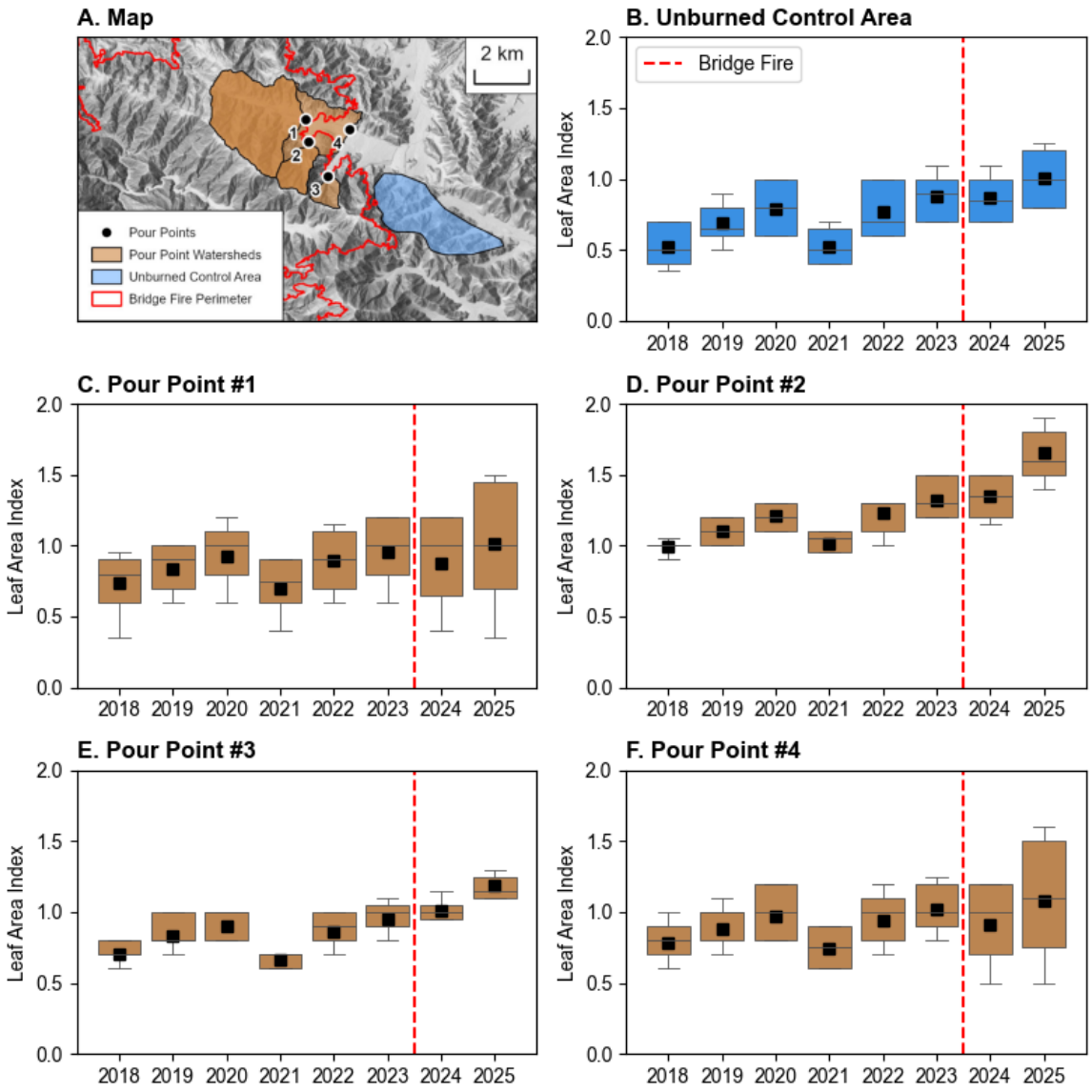


Figure 10. *A: Overview map showing the four analyzed watersheds, the unburned control area, and the Bridge Fire perimeter. B: Boxplots of Leaf Area Index (LAI) for November 2018-2025 in the unburned control area. C-F: Boxplots of LAI for November 2018-2025 in the four pour point watersheds. In Panels B-F, the approximate time of the Bridge Fire is shown as a vertical red dashed line and mean LAI values are shown as black squares. Note: the yearly ticks correspond to November of each year.*

Field Observations

CGS, SBCPW, and LACPW staff were deployed to collect data and make observations of inundation extent and flow characteristics, and to conduct damage assessments resulting from the 24 December 2025 flood impacts. Impacts were observed and documented on 28-29 December 2025 (CGS), 24 December 2025 – 1 January 2026 (SBCPW), and 30 December 2025 (LACPW). Where possible, data collected included inundation extent, depth of deposits, evidence for flow type, damage to structures, water crossing (culvert) blockages, and areas of avulsion. Where possible, data collected included inundation extent, depth of deposits, evidence of flow type, damage to structures, water crossing (culvert) blockages, areas of avulsion and paths of transport and erosion. Observations and documentation of impacts were made within developed areas along Sheep Creek, Heath Creek, Acorn Canyon and Flume Canyon drainages, and Swarthout Creek downslope of the source watersheds. It should be noted that drainage channels and major crossing structures, particularly along Sheep and Heath Creeks, had been significantly cleared of debris to re-establish conveyance capacity at the time of the field assessments.

Sheep Creek

No significant impacts or flow path avulsions are known to have occurred along the Sheep Creek drainage within the study area. There was no field evidence of a debris flow and County video footage at Lone Pine Canyon Road suggests initial surges consisted of woody debris-flood flows.

At the Lone Pine Canyon Road crossing, thick aggraded bedload deposits were observed in the channel at the arch culvert inlet with about 1.75 meters (5.74 feet) of remaining maximum vertical capacity (Figure 11). Debris had accumulated behind grade breaks upstream of the bridge but there were no indicators that the culvert was plugged or of overtopping flows. Moderate bank erosion was prevalent downstream of the culvert (Figure 11) and very minor bank erosion was observed upstream of the culvert where the channel was less confined.



Figure 11. *Sheep Creek at Lone Pine Canyon Road with downstream view of arch culvert crossing structure (left) and downstream view of channel showing moderate bank erosion (right).*

At the Highway 2 crossing, evidence of rocky sediment transport was observed in Sheep Creek but there were no indications that the bridge crossing was plugged or overtopped. At the time of field observations, crews were actively clearing deposits from the channel with a large excavator upstream of the bridge crossing and using the sediment to crudely rebuild the eroded bank slopes. Bank erosion on the upstream side of the crossing incurred during the storm event was obscured by the active earthworks (Figure 12). On the northern downstream side of the crossing, at the confluence with Swarthout Creek from the west, significant bank erosion was observed on the east bank of Sheep Creek and on the south bank of Swarthout Creek.



Figure 12. *(Left) Sheep Creek at Highway 2 with downstream view of bridge crossing. (Right) Downstream view of erosion on the east bank of Sheep Creek at the confluence with Swarthout Creek from the west, which undermined and over-steepened the channel bank, resulting in tension cracks indicative of incipient bank failures.*

Heath Creek

No significant impacts are known to have occurred along the Heath Creek drainage within the study area. Inundation was observed locally at the Thrush Road crossing where the drainage loses confinement, and on Outer Highway 2 South road adjacent to the east bank of Heath Creek, just upstream of the Highway 2 crossing. Field and video evidence provided by SBCPW suggest flows along Heath Creek were mostly flood to debris flood flows that entrained and transported a large volume of bedload.

The small, culverted crossing at Thrust Road was plugged and inundated with sediment up to the road surface elevation at the time of our observations. SB County photos taken on Dec 26 show thick, aggraded deposits of cobbles, small boulders and woody debris mostly contained within the channel and crossing over Thrush Road (Figure 13). Finer sediments accumulated on the eastern approach to the crossing, inundating a portion of Thrush Road about 24 meters (80 feet) to the east. On the south side of the inundated area, up to 0.7 meters (2.3 feet) of fine sediment accumulated against a chain link fence that lined the front yard of a residence and at the driveway entrance. On the north side, up to 1.1 meters (3.6 feet) of sediment accumulated above and behind k-rails placed along the edge of the road for residence protection. Some of the sediment overtopped the k-rail barrier and spread into the front yard area. No structures appeared impacted at this location.



Figure 13. *(Left) View looking west along Thrush Road across Heath Creek on 26 December 2025; photo courtesy of SB County. Aggraded deposits can be seen within the channel and fine sediment deposits inundating the roadway. (Right) Heath Creek at Thrush Road with view of channel and crossing looking upstream following channel cleanup on 28 December 2025.*

At the Highway 2 crossing, coarse sediment transport was observed in Heath Creek and there was evidence that the conveyance capacity of the box culvert was briefly exceeded, leaving thin sandy deposits on the road surface and against the downgradient eastern guard rail (Figure 14). It appears that these flows extended to Old State Highway 2 West, which is adjacent to the south side of the east abutment. The western terminus of this roadway was inundated with thin deposits of sand and gravel though no structures are known to have been impacted.



Figure 14. *(Left) Heath Creek at Highway 2 with downstream view of rocky debris at box culvert inlet. (Right) Upstream view from crossing following channel cleanup. Photos taken on 28 December 2025.*

Acorn Canyon

Significant flood flows and debris floods impacted Acorn Canyon and were generally concentrated in two locations.

The first location is positioned on the northwest side of the canyon and includes small volume debris flows, debris floods, and flood flows exiting drainages to the northwest, causing damage to residential structures situated along flow paths at the outlets of a few of the side-canyon drainages (Figure 15). As flows exited the tributary drainages on the northwest side of the canyon, they were intercepted, concentrated, and redirected to the north along Acorn Drive. Field evidence indicates that considerable scour and entrainment of sediment and debris occurred along the margin of Acorn Drive as the flows progressed north down the road. Near the intersection of Mockingbird Road, the flows in Acorn Drive lost confinement, allowing deposition of sediment and debris to fan out. At this location the flows bifurcated, sending flows down a channel to the northwest and down Acorn Drive to the northeast. Flows observed extending down the channel to the northwest wove between residential structures, scouring and entraining additional sediment between Mockingbird Road and Lark Road to the north (Figure 16). Near the intersection of Mill Road and Lark Road, the flows again fanned out and deposited sediment and debris, causing impacts to residential structures between Lark Road and Apple Avenue, with the most significant impacts observed along Edna Street (Figure 16) where up to about 1 meter (3.3 ft) of sediment was observed against residential structures.



Figure 15. *Homes near the upper end of Acorn Drive inundated by small debris flows / debris floods.*



Figure 16. *(Left) Inundated homes along north side of Edna St at T-intersection with Mill Rd. (Right) Back garage at home on Edna St inundated with 0.6 m of deposits and flood waters that reached front door threshold.*

The second location of impacts within Acorn Canyon occurred on the southeast side of the canyon where the main channel exits the mountain front and flows into a small, shallow drainage near the intersection of Twin Lakes Drive and Pheasant Road. Where the channel crossed Twin Lakes Drive at Pheasant Road, aggraded, rocky (up to 40 cm) and woody debris buried the street and inundated homes. Property line fencing was destroyed, and damage was observed to timber deck supports on one home and a garage door on another home (Figure 17).



Figure 17. *Overtopping flows in shallow channel inundated homes and roads in the vicinity of Twin Lakes Dr at Pheasant Rd.*

Further downstream west of Pine St, between Mockingbird Road and Robin Lane, a decrease in the channel gradient resulted in significant sediment aggradation and gradual accumulation over the course of the storm event. Several homes, vehicles, and roads were inundated with up to 2 meters (6.6 feet) of sediment containing up to large cobble-sized debris (Figure 18). The

deposits thinned out as the flows approached Robin Lane. No obvious structural damage to the impacted homes was observed. North of Apple Avenue the flow path transitioned eastward to Pine Street and the decrease in channel gradient to the north resulted in some sediment aggradation. The frontage area of structures along the east side of Pine Street, between Apple Avenue and Evergreen Road, were inundated with a thin, fine layer of sediment with woody and pebble- to cobble-size debris. Flows continued downstream along Pine Street, merging with flows from the west along Highway 2.



Figure 18. *Homes inundated with aggraded deposits of fine sediment and small cobbles between Mockingbird Road and Oriole Road, just west of Pine Street.*

Flume Canyon

In the Flume Canyon area debris flood impacts were observed along Cardinal Road, which was a primary flow path down the canyon and across the fan deposits. No significant impacts are known to have occurred along Flume Canyon Road or within and adjacent to the engineered drainage channel that parallels Cardinal Road to the east. At the top of Cardinal Road debris floods along several flow paths sourced from small upstream watersheds inundated several homes and portions of the road with deposits of coarse sediment (Figure 19). At the upper, west end of Cardinal Road a small debris fan was deposited across the base of a steep driveway and spread across the upper end of the road, onto a neighbors' driveway and up against their garage door. Sediment consisted mostly of weakly stratified Pelona Schist with debris up to 25 cm (10 in) diameter. Two additional flows inundated homes with up to 1.5 meter (5 ft) of rocky debris on the south side of Cardinal Road (Figure 19), thinning out across the road and spilling over into the front yard areas of residences on the north side of the road.



Figure 19. *(Left) Debris fan from small drainage at top of Cardinal Road inundated driveway and damaged garage door. (Right) Home on south side of Cardinal Road inundated with up to 1.5 meter of debris.*

Debris floods continued down Cardinal Road, where minor erosional features and sediment deposition were observed along the edge of the road surface. At the northern end of Cardinal Road, between Swallow Hill Drive and Swarthout Creek, a decrease in the road gradient resulted in sediment aggradation and inundation of the road and front yard areas of several homes with up to about 25 cm (10 in.) of muddy sand to small cobble-sized debris (Figure 20). Flows continued into Swarthout Creek.



Figure 20. *(Left) Home on east side of Cardinal Road at Swallow Hill Drive inundated with fine sediment. (Right) View of inundated area at Cardinal Road and Swallow Hill Drive looking north toward Swarthout Creek crossing.*

Swarthout Creek and Highway 2

Significant flood flows, debris floods, and erosion impacted the Swarthout Creek and Highway 2 corridor through Wrightwood. Swarthout Creek drains a large, burned watershed west of Wrightwood, as well as the Flume Canyon, Acorn Canyon, and Heath Canyon drainages before

joining Sheep Creek on the east edge of town. Highway 2 generally parallels Swarthout Creek through Wrightwood with a bridge crossing located just upstream of Spruce Street.

At Cardinal Road, primary flows from Flume Canyon came down the road and joined Swarthout Creek. The crossing at this location consists of a shallow, double-barrel Corrugated Metal Pipe (CMP) that was completely plugged. On the upstream side, the channel was filled with sediment up to road grade and Cardinal Road was overtopped by flows. On the downstream side the channel was eroded and the road slightly undermined (Figure 21). The area in the vicinity of this crossing was inundated with sediment, including a portion of Highway 2, as a result of flows from the west in Swarthout Creek, from the south along Cardinal Drive, and from the west along Highway 2.



Figure 21. *Crossing at Cardinal Road and Swarthout Creek showing aggregated alluvium upstream and scour downstream of the crossing (Left) that extends down gradient of the crossing (Right) (photos by SBCDPW).*

East of Cardinal Road the flows heavily eroded both the north and south banks behind the sheet pile bank protection. Heavy erosion on the north bank locally undermined the south side of Highway 2. Heavy erosion on the south bank impacted residences on Mountain View Avenue where the rear yard areas were eroded away and patio deck supports were undermined (Figure 22).

To the west of Spruce Street, primary flows paths from Acorn Canyon join Swarthout Creek, just upstream of a box culvert crossing from the south side to the north side of Highway 2. The culvert was overwhelmed and overtopping flows avulsed down Highway 2 to the east. Additionally, due to channel infill with aggraded deposits and backwater effects on the upstream side of the crossing, the channel overtopped the south bank and inundated adjacent property and structures from Spruce Street to the intersection of Acorn Drive and Snowbird Road (Figure 23). Downstream of the crossing, the overtopping flows inundated Highway 2 and

property/structures between the creek and the highway with aggraded deposits of sand and cobbles up to about 0.5 meter (1.7ft) thick.



Figure 22. *(Left) View looking east along Swarthout Creek showing channel erosion beyond the bank protection and damage sustained to the south side of Highway 2. (Right) Swarthout Creek south side bank erosion and impacted residences on Mountain View Dr.*



Figure 23. *(Top left) Box culvert inlet at Swarthout Creek crossing beneath Highway 2. (Bottom left) View looking upstream from box culvert. Channel is almost completely infilled. Damaged guardrail in foreground. (Right) View from box culvert looking upstream toward homes at the bottom of Acorn Drive.*

Flows continued down Highway 2 and rejoined Swarthout Creek in the vicinity of Elm Street. At this confluence there was widespread inundation of businesses, homes, and outbuildings situated on the alluvial terrace between the creek and Highway 2 (Figure 24). The debris contained aggraded coarse deposits with small boulders (up to 0.75 m dia.) and woody debris (up to 6.5 m by 0.4 m dia.). The debris floods entrained and partially buried several vehicles and inundated the interior and exterior of homes with up to 2 meters (6.6 ft) of debris. Significant structural damage was incurred to several homes and outbuildings. The deposits thinned out toward the east as flows re-entered the channel.



Figure 24. *Debris floods inundated homes and entrained vehicles between Highway 2 and Swarthout Creek in the vicinity of Elm Street.*

Farther downstream the flows produced significant channel bank erosion and bed scour. At a hairpin curve in the channel the erosion severely undermined one home and eroded away a large portion of the rear yard of the neighboring home (Figure 25). The flows also washed out a large-diameter Reinforced Concrete Pipe (RCP) culverted crossing at Valley View Rd, which is the only access to several residences on the north side of Swarthout Creek. Just downstream of this crossing the steeply eroded bank is threatening the stability of several mobile homes that are now precariously perched at the edge of the south bank.



Figure 25. *(Top left) Home undermined by eroded bank along hairpin curve in Swarthout Creek channel. (Top right) Valley View Road crossing over Swarthout Creek destroyed by flows. (Bottom left) Mobile homes lining the south bank of Swarthout Creek threatened by bank erosion. (Bottom right) View looking downstream of bank erosion on the east bank of Sheep Creek opposite of the confluence with Swarthout Creek.*

Results

Flow Behavior

Flow behavior changes as a function of discharge, sediment concentration, grain size, and woody debris entrainment. Flows with sediment concentrations greater than around 50% are classified as debris flows and exhibit non-Newtonian flow rheology (Pierson, 2005a,b; Hungr et al., 2001). Flows with sediment concentrations less than 20% are classified as flood flows (roughly equivalent to hyper-concentrated flows) and exhibit predictable Newtonian behavior. Debris floods, which may also exhibit non-Newtonian flow rheology depending on sediment concentration, fall between debris flows and normal flood flows (Hungr et al., 2001). Based on field data, photographs, and video footage of the event, flow behavior during the 24 December 2025 flow event consisted of both flood flows and debris floods, with local small debris flows.

The flood flows were turbulent, water-dominated (Newtonian) flows that mostly transported sediment as channel bedload or in suspension near the channel. High velocity flood flows produced significant, rapid erosion, particularly along Swarthout Creek. The debris floods were also turbulent but contained a higher density mixture with a high concentration of suspended sediment throughout the water column. Deposits with weak stratification and poorly sorted materials were widespread, which are characteristic of debris floods. The sediment supply of flood flows and debris floods commonly exceeded the transport capacity, particularly in low-gradient channels and areas beyond channel banks where velocity decreased, resulting in the observed widespread inundation with aggraded deposits.

Inundation Extent

Field observations in areas of pronounced inundation, scour, and deposition were photo documented by field staff. Field-collected data were supplemented with lidar hill shade and lidar-derived topographic contours to assist in mapping flow paths, particularly where physical observations were not conducted or where the ground is obscured by vegetation and built obstructions (homes, fences, out buildings, etc.). This information was used to map the following:

- **Deposit polygons**: Approximate extent of debris flood inundation areas. In-channel deposit polygons represent areas of aggraded deposits that remained following recessional flows; aggradation in some channel areas could not be defined during the study due to modification during cleanup efforts.
- **Transport polygons**: Known flow paths to inundation areas where no significant deposition or erosional features were observed. These generally occurred along existing roads that acted as conduits cross the fan deposits.
- **Source polygons**: Approximate extent of areas with in-channel bank erosion/collapse that provided a significant volume of source material and contribution to sediment load.
- **Flowline**: Used to represent minor flow paths between mapped deposit and transport polygons. Also used to illustrate flow paths from interpreted source areas that contributed to small, discrete inundation areas in side-canyon drainages.

The mapped polygons are provided in Appendix A and include a Map Index sheet and 22 detailed Map Sheets. Each map sheet illustrates deposit, transport, and source polygons and flowlines, as well as CGS, San Bernardino County, and Los Angeles County field observation points.

Sediment Source

Hillslope conditions were not observed during our field assessment. Based on the observed volume of aggraded deposits compared to erosional features in the Acorn and Flume canyon areas, it is inferred that sediment sourced during the flow event is a combination of both hillslope and in-channel processes. Upstream watersheds impacted by the Bridge Fire contain burned hillslopes with destabilized soils that are more susceptible to surface erosion from raindrop impact and sheet flow. Additionally, landslide processes higher up in the watershed that are common in this area, particularly in Heath and Sheep canyons where on-going landslide activity is well-documented, provide a steady supply of sediment that can be recruited. These conditions likely contributed to the initial mobilization of fine-grained sediments.

As the flood waters and debris floods moved downstream, increased runoff volumes and velocities (potentially exacerbated by reduced infiltration in burned areas) resulted in increased shear stress on channel banks and beds. Bank erosion/collapse and channel bed scour contributed significantly to the sediment load and flow volume along Swarthout Creek. In Acorn, Heath, and Sheep canyons, bank erosion/collapse and channel bed scour was observed at several locations and likely contributed to the aggraded deposits observed in downstream areas of inundation.

Summary and Conclusions

- The 24 December 2025 storm produced significant flood flows and debris floods in the Wrightwood area at Sheep Creek, Heath Creek, Swarthout Creek, Acorn Canyon, and Flume Canyon. The flows resulted in overtopped drainage channels, flow path avulsions that inundated roadways, residences, and businesses, and significant channel scour and bank erosion that undermined Highway 2 and several creek-side structures.
- Rain gauge data in the vicinity of Wrightwood indicate that peak rainfall intensities occurred during the 3-hour period from approximately 5:00-8:00 LST. Rain rates were persistent over this 3-hour period; 15-, 30-, and 60-min rates remained steady around 30-40 mm h^{-1}. The peak 15 min intensities had an Average Recurrence Interval (ARI) of ~2-5 years, 30 min ~4-8 years, and 60 min ~10-20 years.
- Field response documenting storm impacts were conducted on 28-29 December 2025 (CGS), 24 December 2025 – 1 January 2026 (SBCPW), and 30 December 2025 (LACPW).
- Flows from Acorn and Flume canyons extended north along small drainages and roadways that served as conduits, inundating adjacent structures, residential streets and Highway 2 before joining Swarthout Creek.
- Flows along Heath Creek were mostly contained in the flood control channel apart from local inundation at the Thrush Road crossing and Outer Highway 2 South adjacent to the upstream side of the Highway 2 bridge crossing.

- Flows along Sheep Creek were contained in the flood control channel within the study area.
- Flood flows, debris floods, and erosion impacted Swarthout Creek through Wrightwood. Several crossings were impacted, including the Highway 2 bridge crossing near Spruce Street. Significant bank erosion undermined a portion of Highway 2 and several other structures. Overtopping flows and flow path avulsions inundated Highway 2 and adjacent properties and structures.
- Based on field data, photographs, and video footage of the event, flow behavior during the 24 December 2025 event consisted of flood and debris flood flows with aggradation occurring over the course of the event.
- Values-at-Risk (VARs) in Wrightwood identified by the 2024 Bridge Fire Watershed Emergency Response Team (WERT) generally align well with observed flood and debris flood impacts in the study area. However, isolated areas of observed inundation not identified in the WERT report did occur and were caused by intercepted and redirected flows along Acorn Drive and Highway 2 that plugged and overtopped drainage structures resulting in flow avulsion.
- The postfire vegetation recovery analysis indicates that perturbation due to the Bridge Fire may have been of low importance for generating the 24 December 2025 flow event. This conclusion is also supported by observations of similar runoff response in unburned watersheds of Heath and Sheep creeks.
- Mapped inundation extents, sediment transport, and areas of extreme scour along channels were identified in the field and mapped by CGS, San Bernardino County, and Los Angeles County staff. In some locations, scoured channel banks were near vertical and exhibited evidence of slope instability. Field observation points are provided in a photo log documenting the flow event in Appendix A.
- Debris volume estimation was not included in our storm response assessment. Rapid cleanup efforts and flow behavior type (flood flows to debris floods) impeded any ability to collect field measurements to accurately quantify debris volume. Post-event lidar data was not acquired to estimate volume using lidar differencing.

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Appendix A – Mapbook of flow extents and photo locations



Appendix A
Detailed inundation mapping Index

0 1 km

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

Note: photo locations omitted from this index page for clarity.



Appendix A
Detailed inundation mapping
Map 1

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

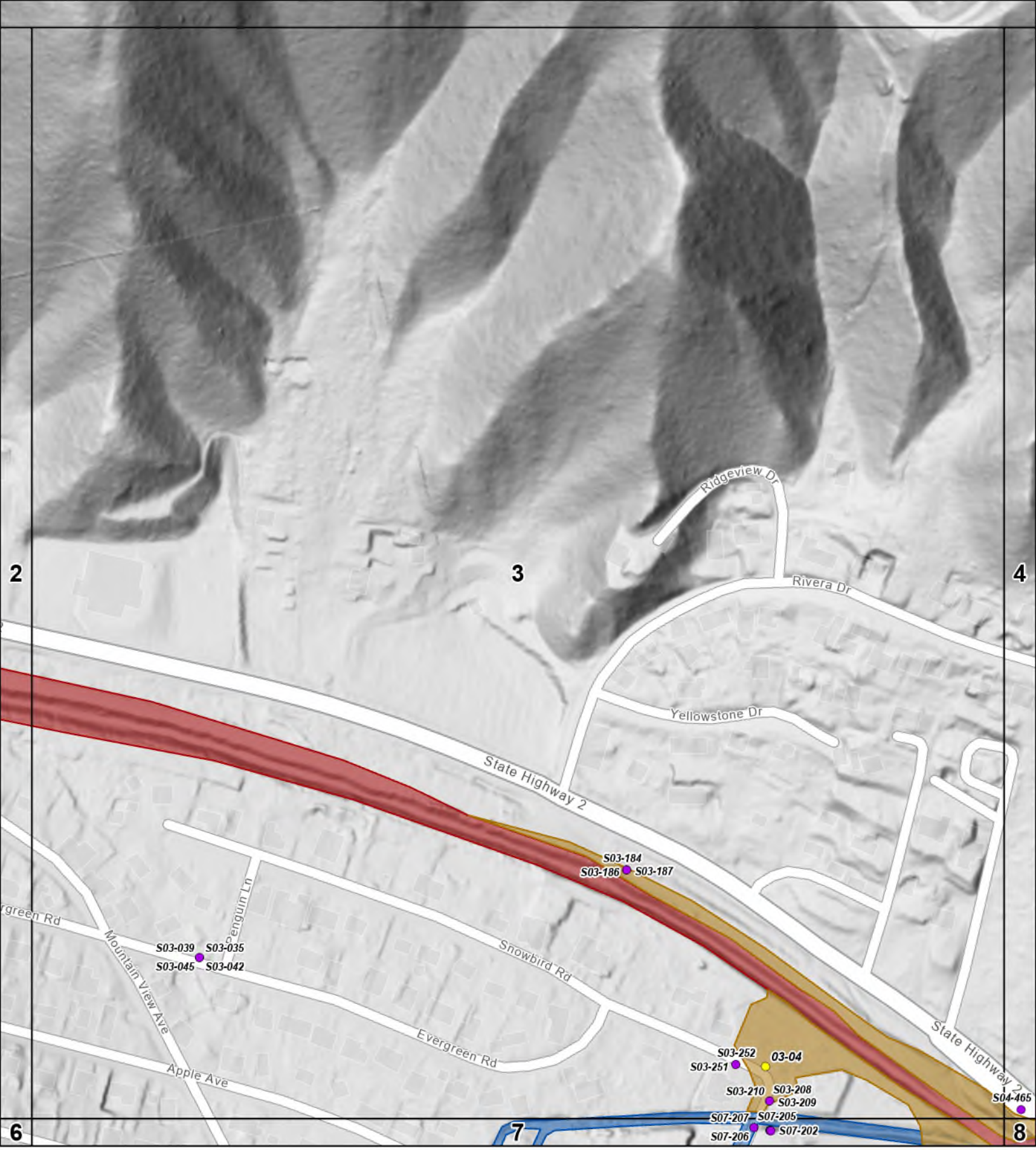
CGS Observations
SB County Obs.
LA County Obs.



Appendix A
Detailed inundation mapping
Map 2

0 50 100 m

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

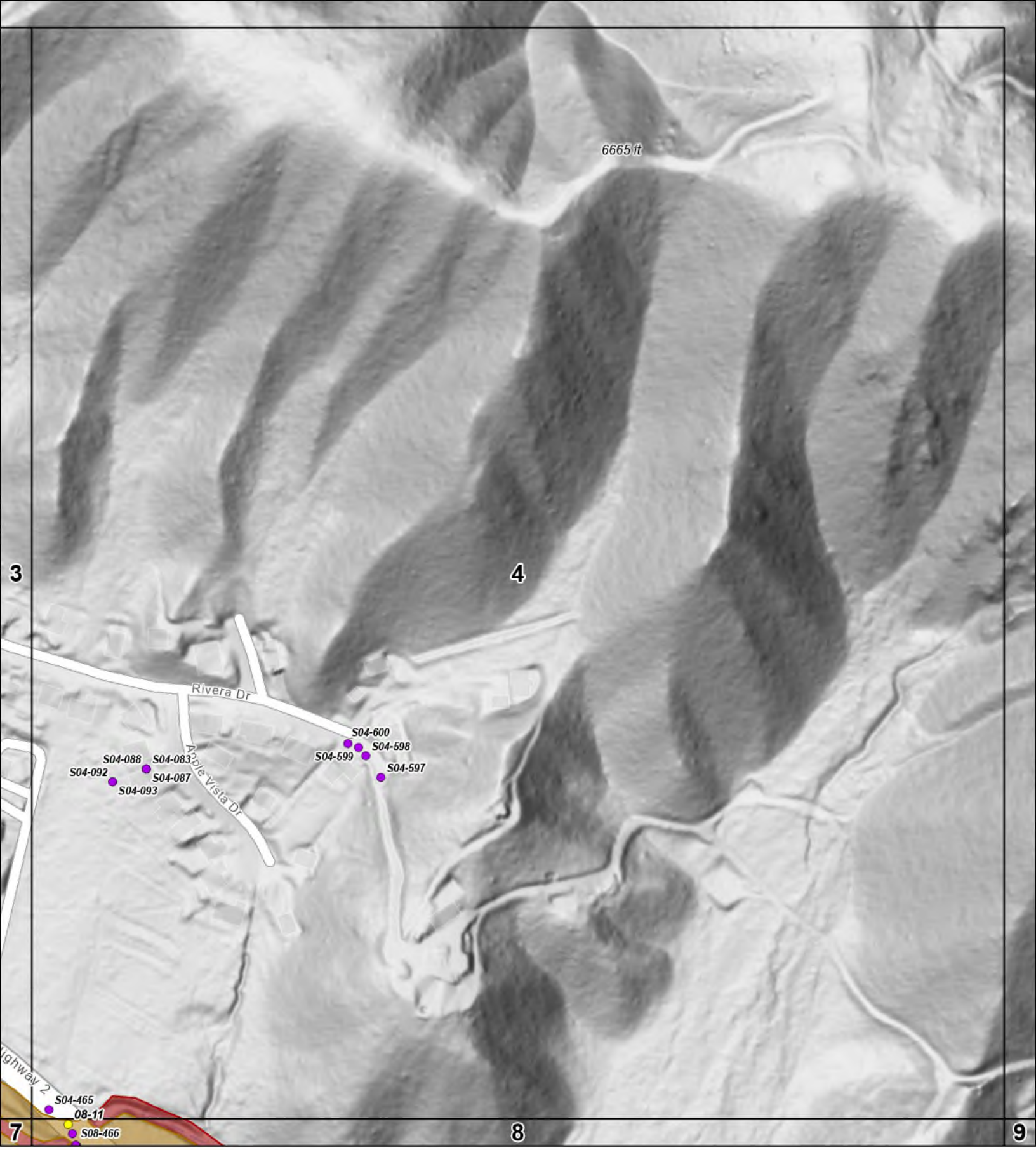


Appendix A
Detailed inundation mapping
Map 3

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.

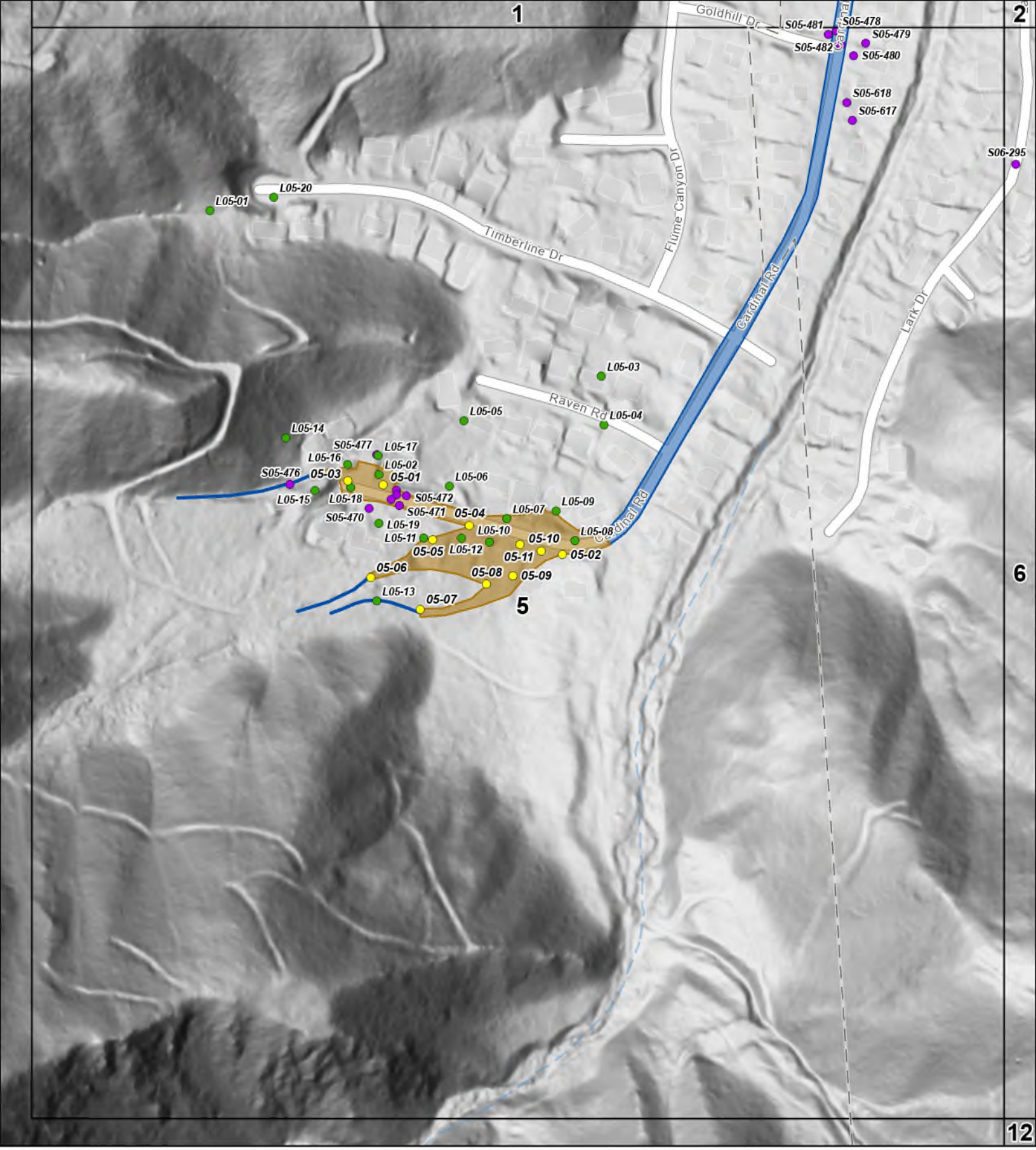


Appendix A
Detailed inundation mapping
Map 4

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.

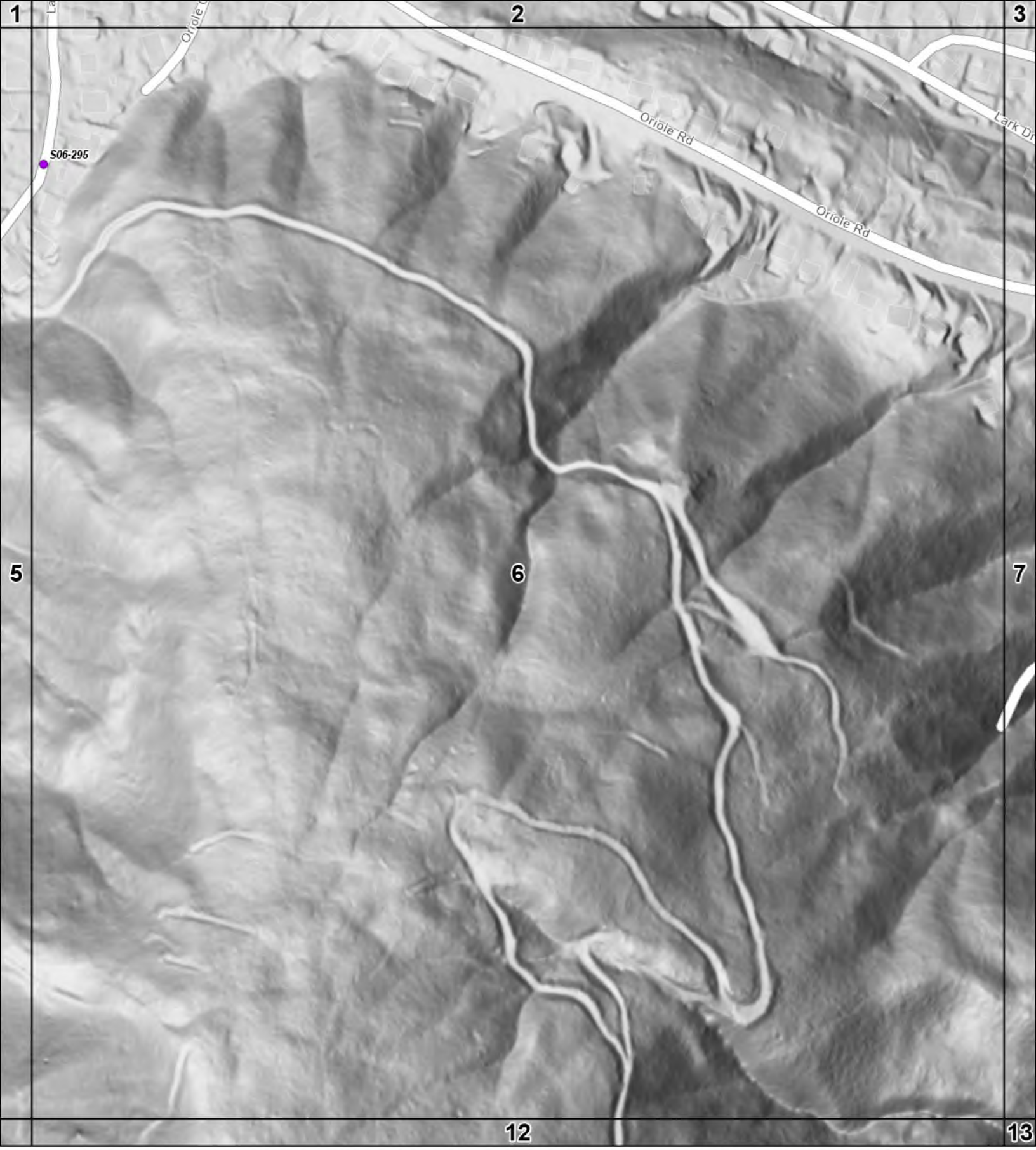


Appendix A
Detailed inundation mapping
Map 5

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.



Appendix A
Detailed inundation mapping
Map 6

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.



Appendix A
Detailed inundation mapping
Map 7

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.



Appendix A
Detailed inundation mapping
Map 8

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.



Appendix A
Detailed inundation mapping
Map 9

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.

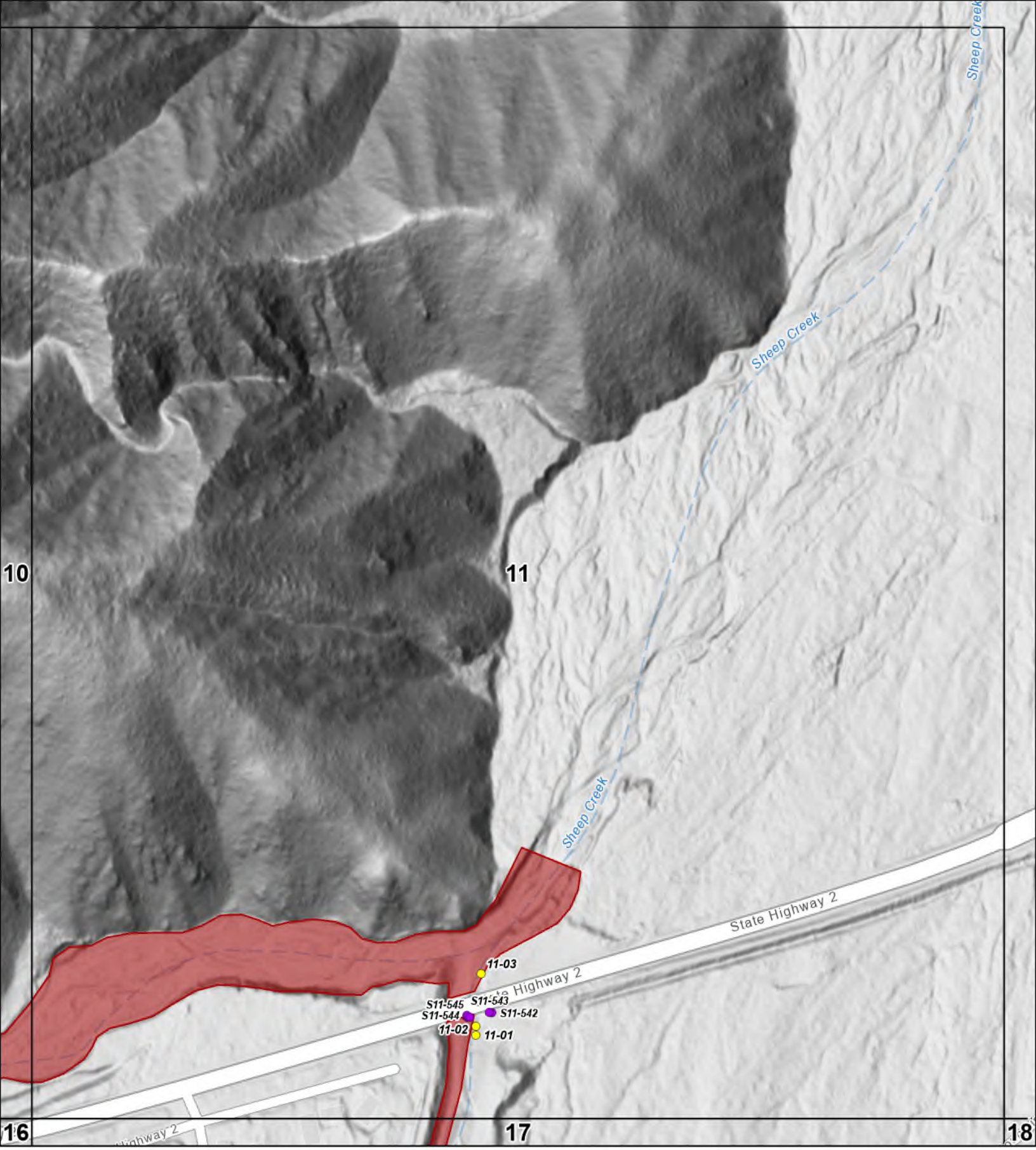


Appendix A
Detailed inundation mapping
Map 10

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.

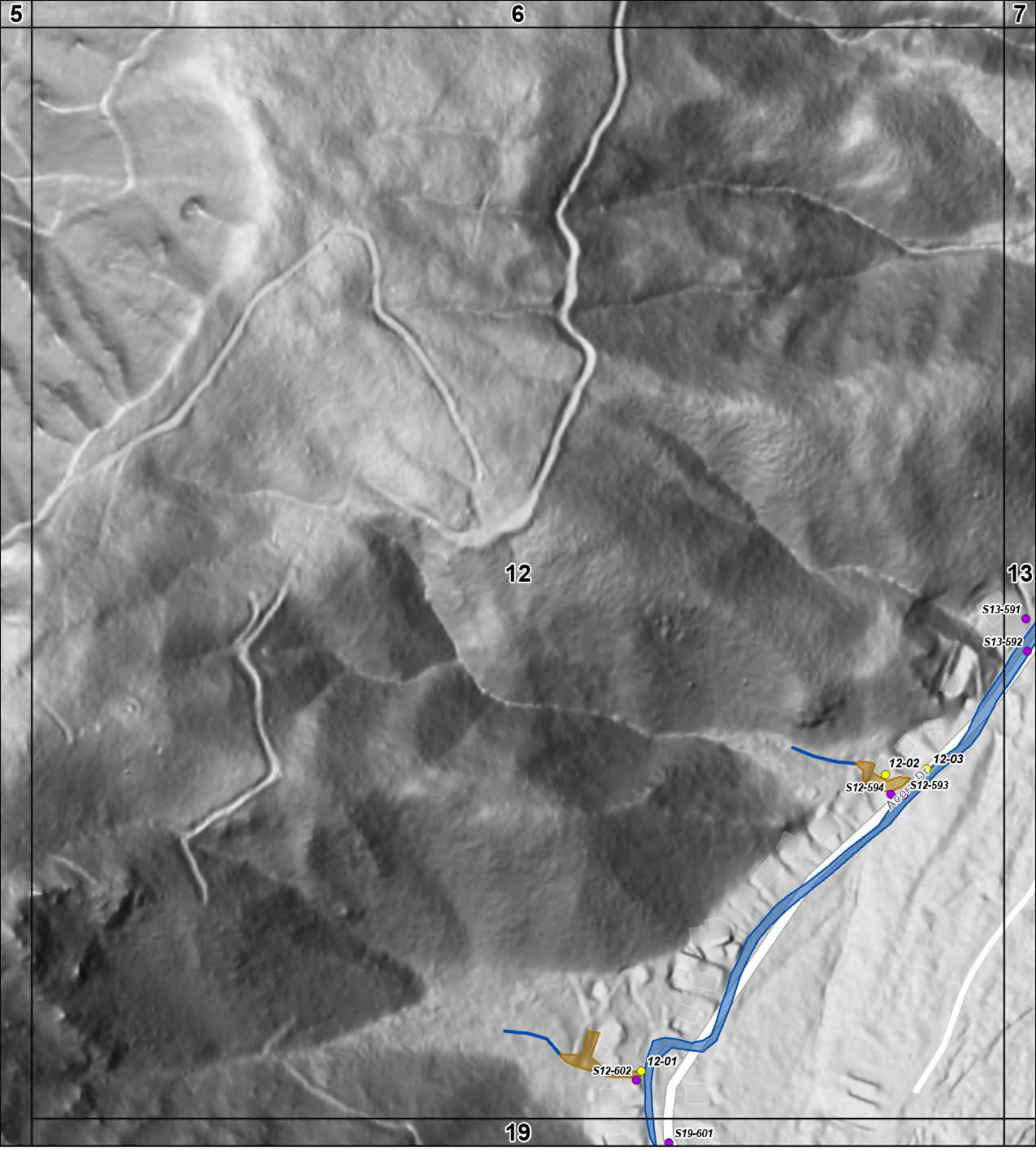


Appendix A
Detailed inundation mapping
Map 11

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.

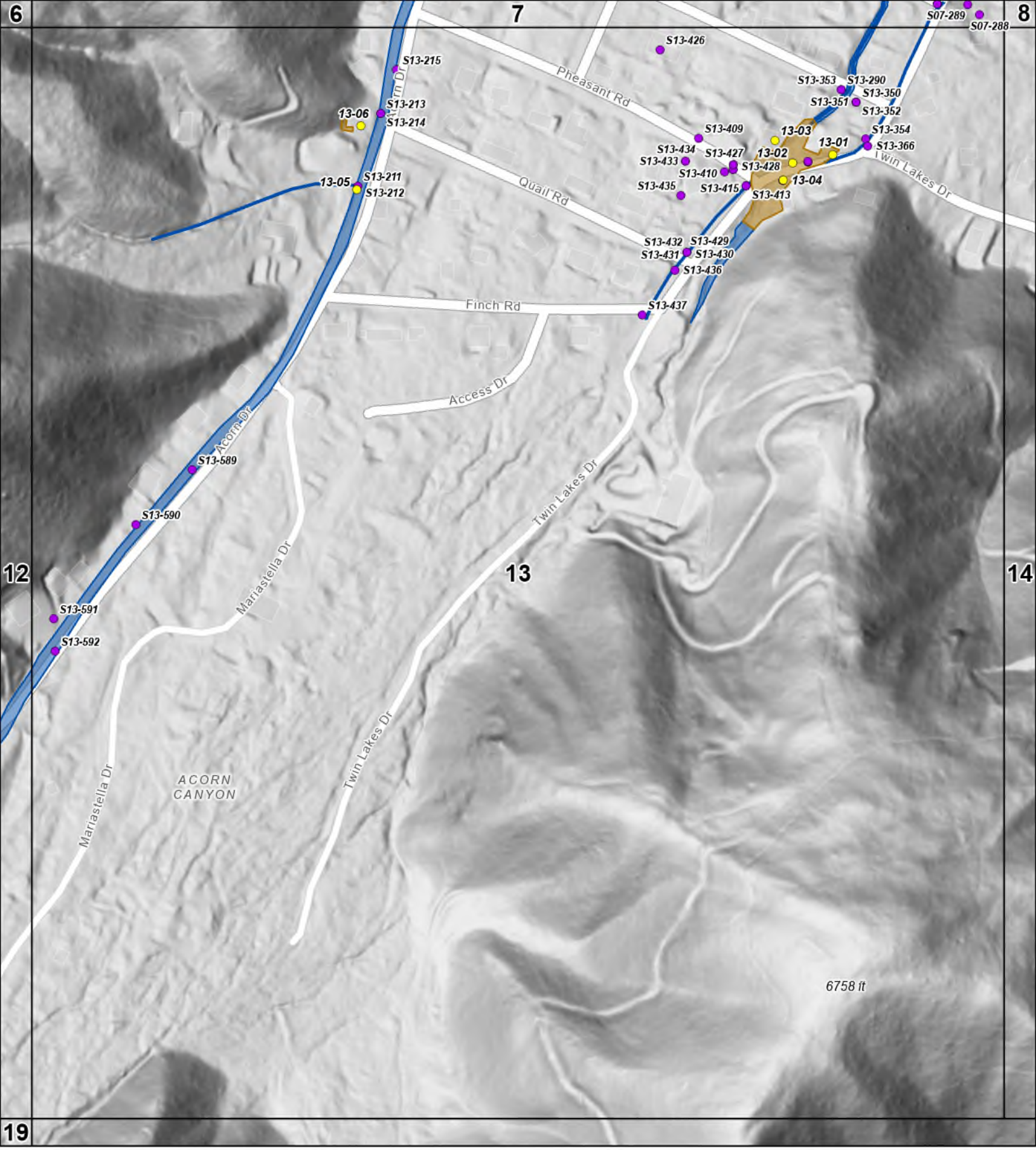


Appendix A
Detailed inundation mapping
Map 12

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.



Appendix A
Detailed inundation mapping
Map 13

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.

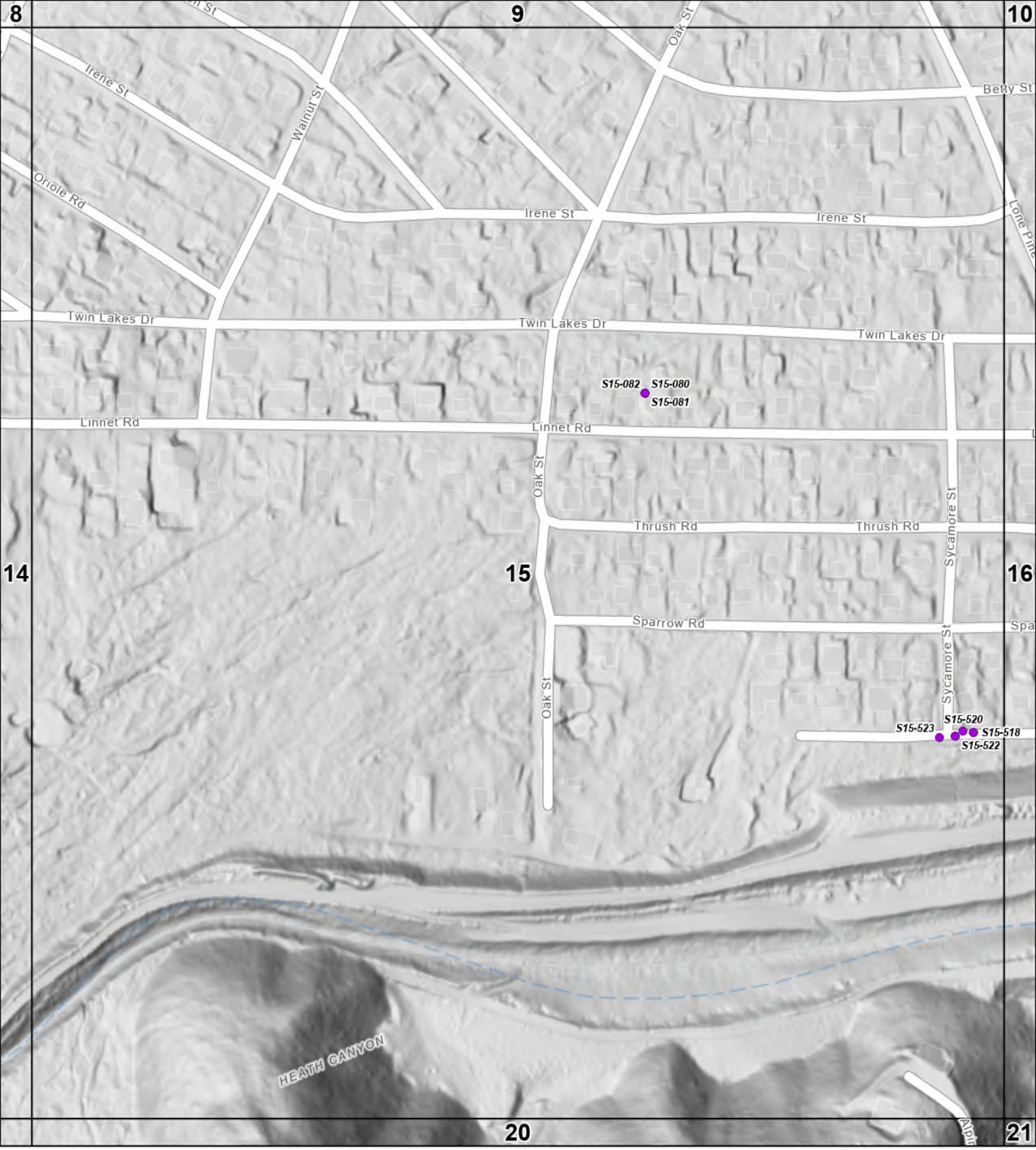


Appendix A
Detailed inundation mapping
Map 14

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.



Appendix A
Detailed inundation mapping
Map 15

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.



Appendix A
Detailed inundation mapping
Map 16

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.

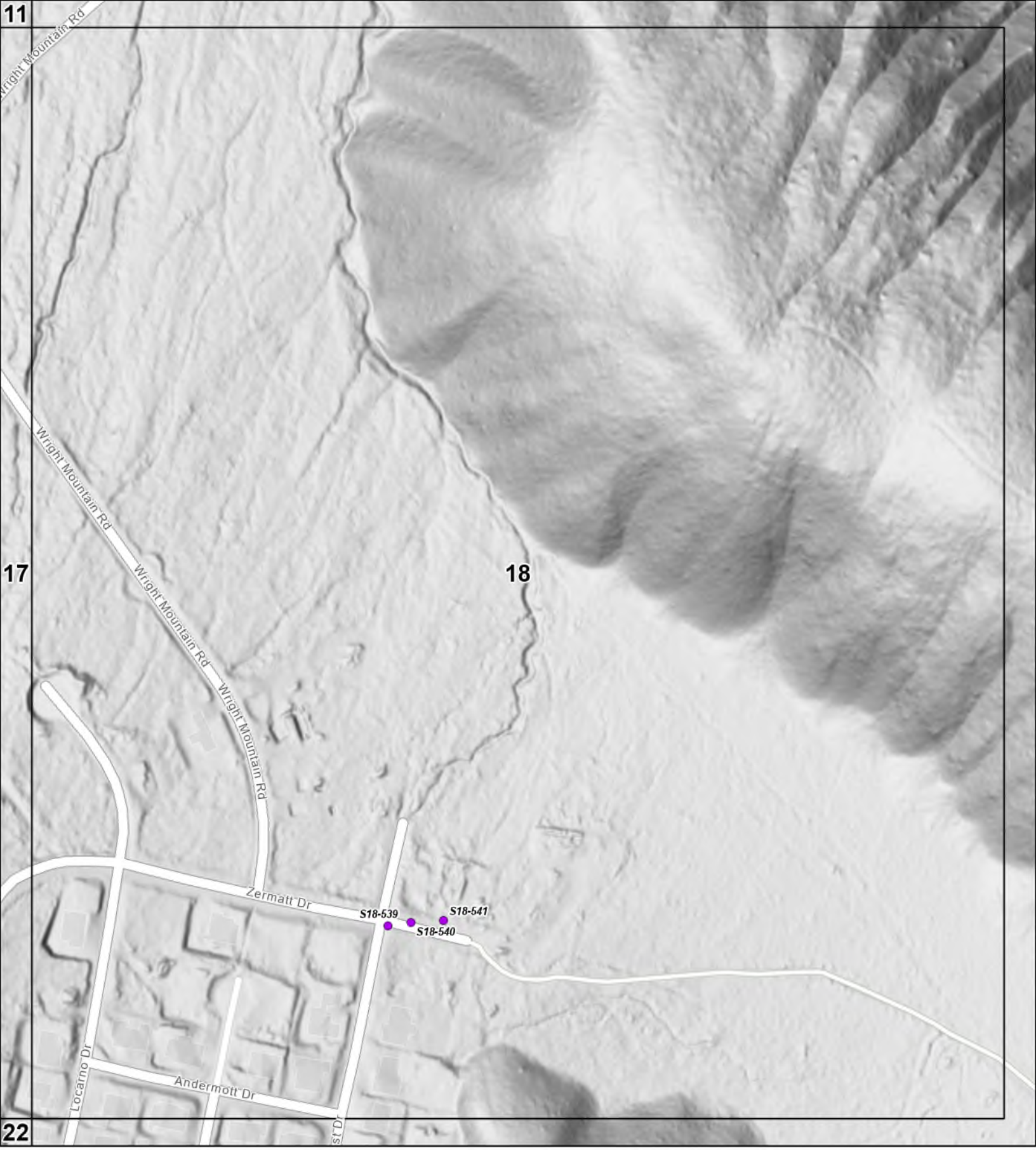


Appendix A
Detailed inundation mapping
Map 17

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.



Appendix A
Detailed inundation mapping
Map 18

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.



Appendix A
Detailed inundation mapping
Map 19

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.



Appendix A
Detailed inundation mapping
Map 20

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.



Appendix A
Detailed inundation mapping
Map 21

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.



Appendix A
Detailed inundation mapping
Map 22

0 50 100 m

Deposit Polygons
Transport Polygons
Source Polygons
Flowlines

CGS Observations
SB County Obs.
LA County Obs.

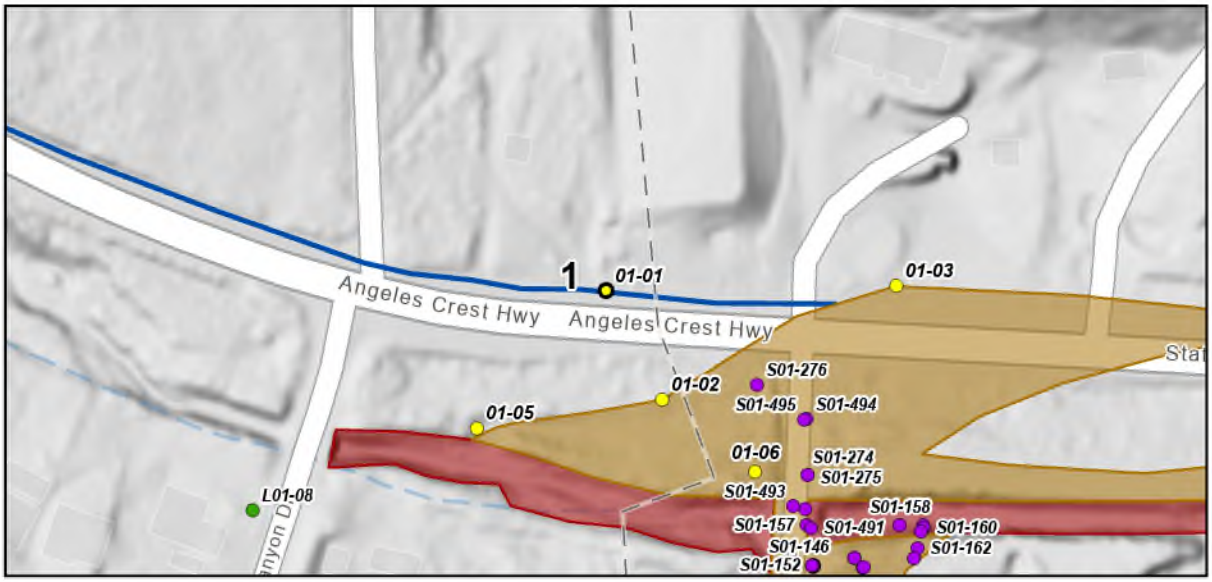
Appendix B – Photo detail pages (CGS observations)

Appendix B
CGS Observation

01-01

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

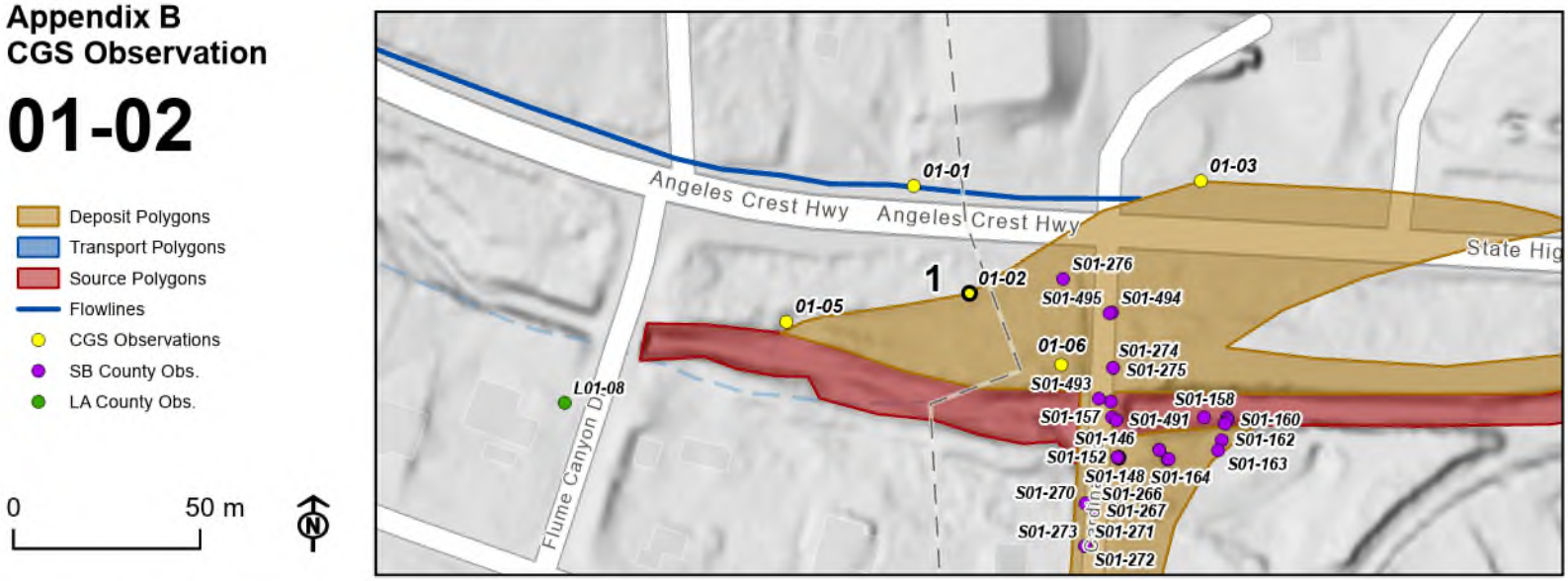
0 50 m





Appendix B
CGS Observation

01-02



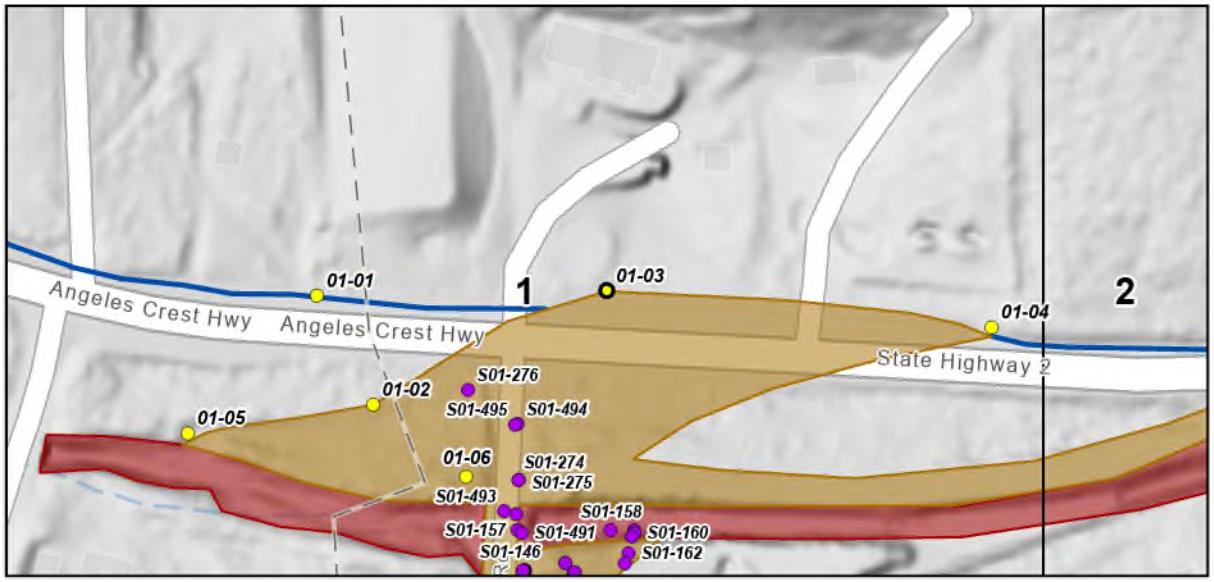


Appendix B
CGS Observation

01-03

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



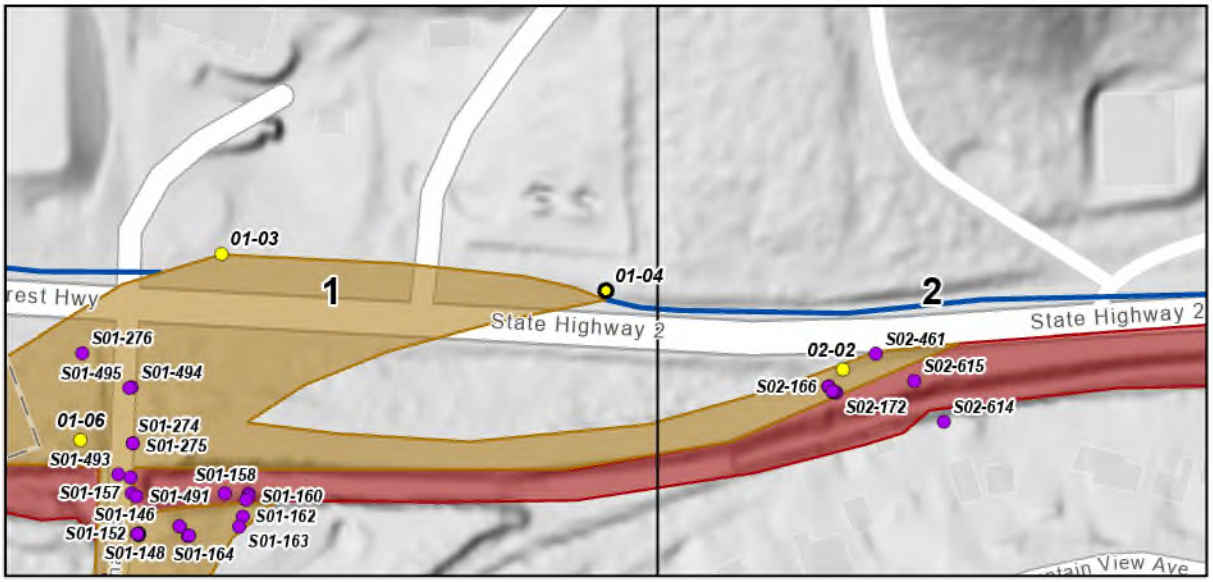


Appendix B
CGS Observation

01-04

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix B
CGS Observation

01-05

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



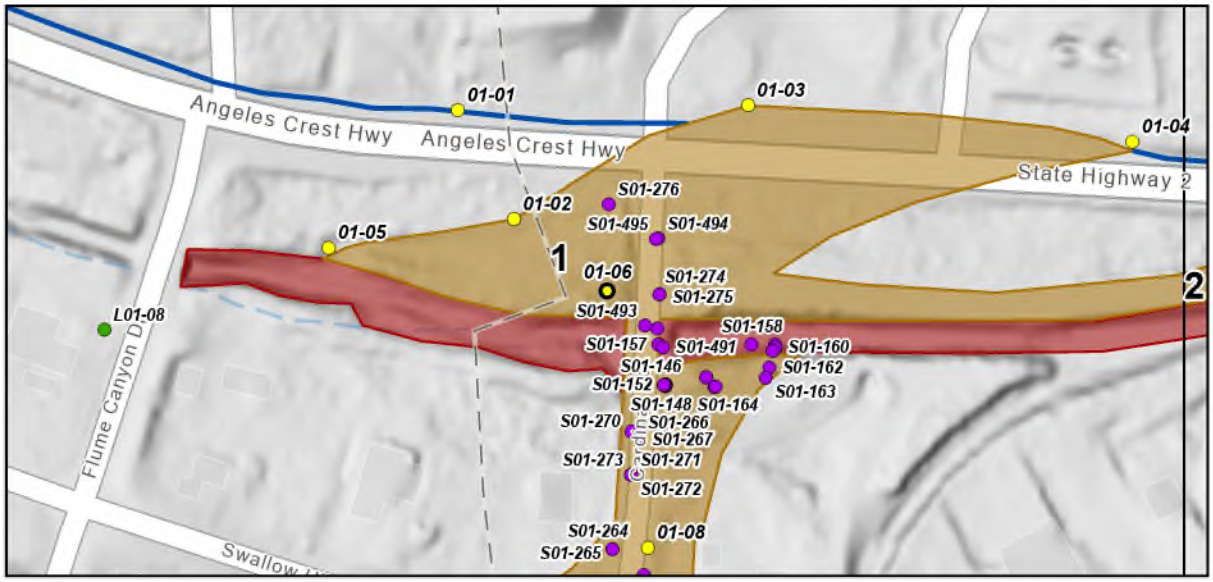


Appendix B
CGS Observation

01-06

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix B
CGS Observation

01-07

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



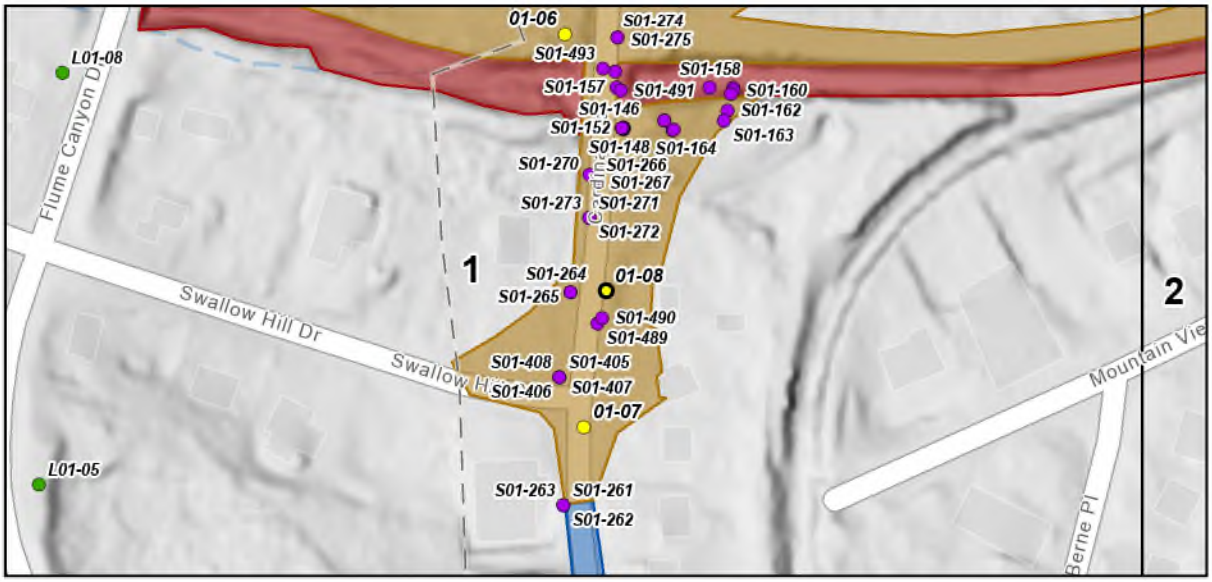


Appendix B
CGS Observation

01-08

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

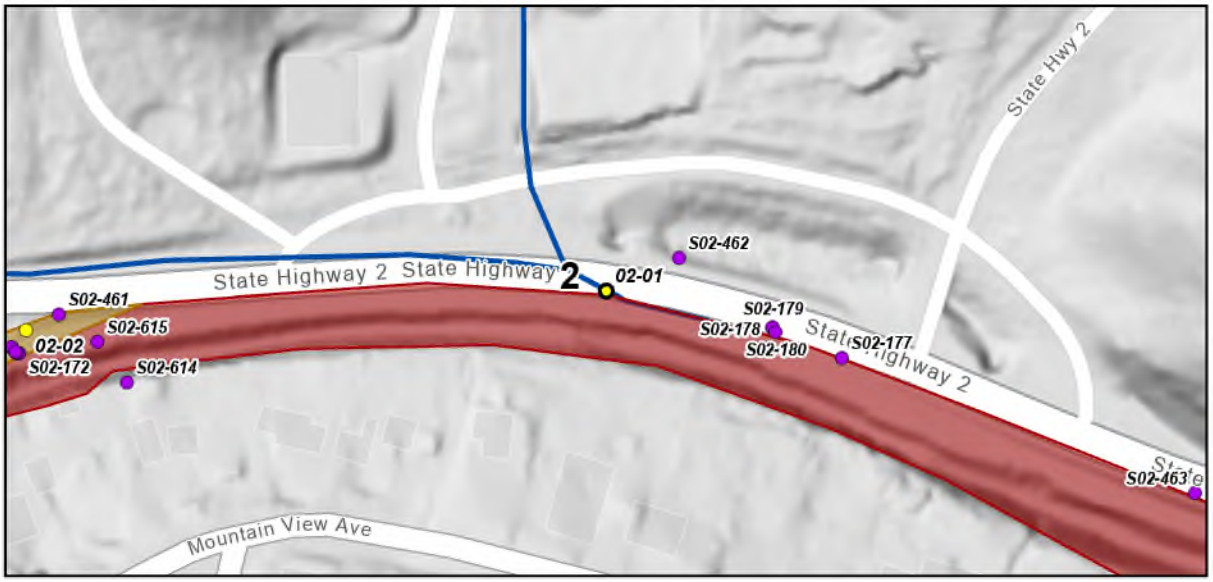
0 50 m





Appendix B
CGS Observation

02-01



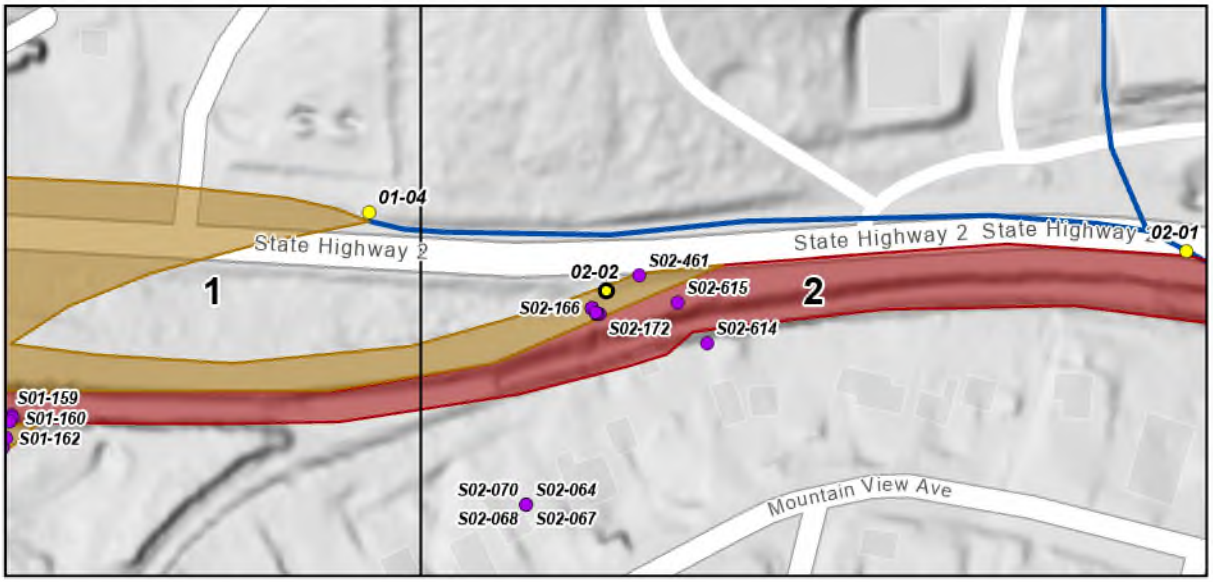


Appendix B
CGS Observation

02-02

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

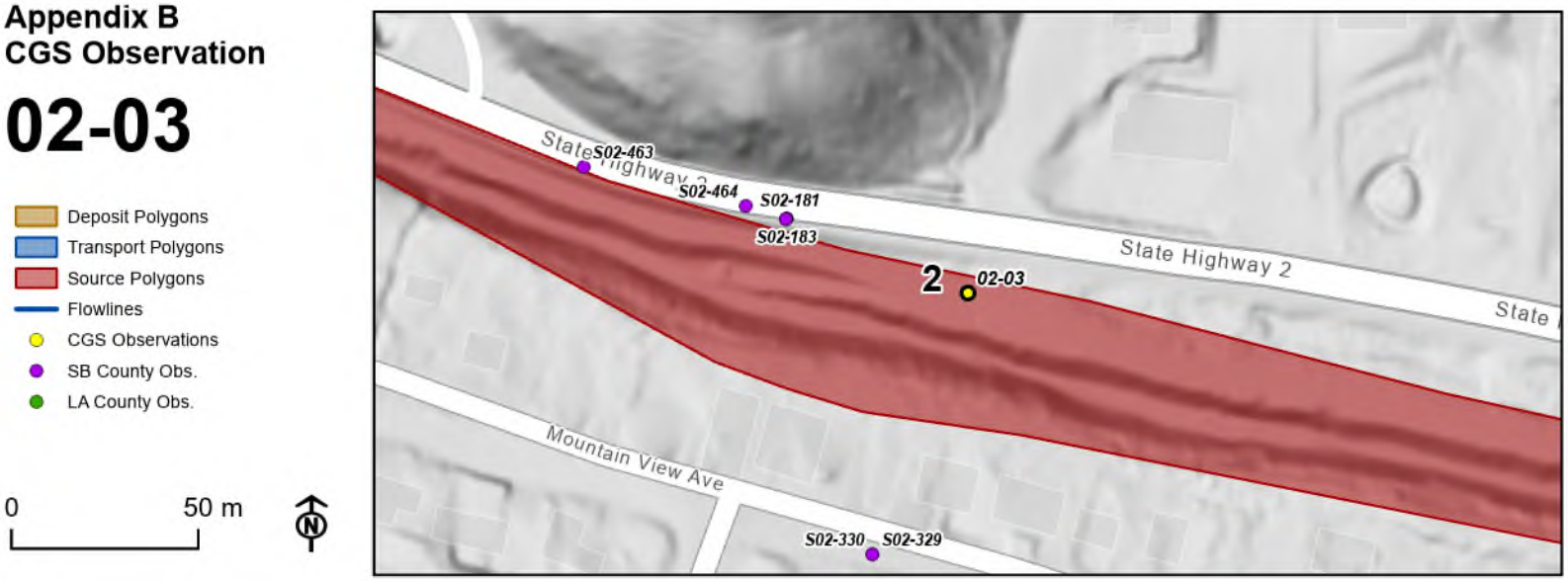
0 50 m





Appendix B
CGS Observation

02-03



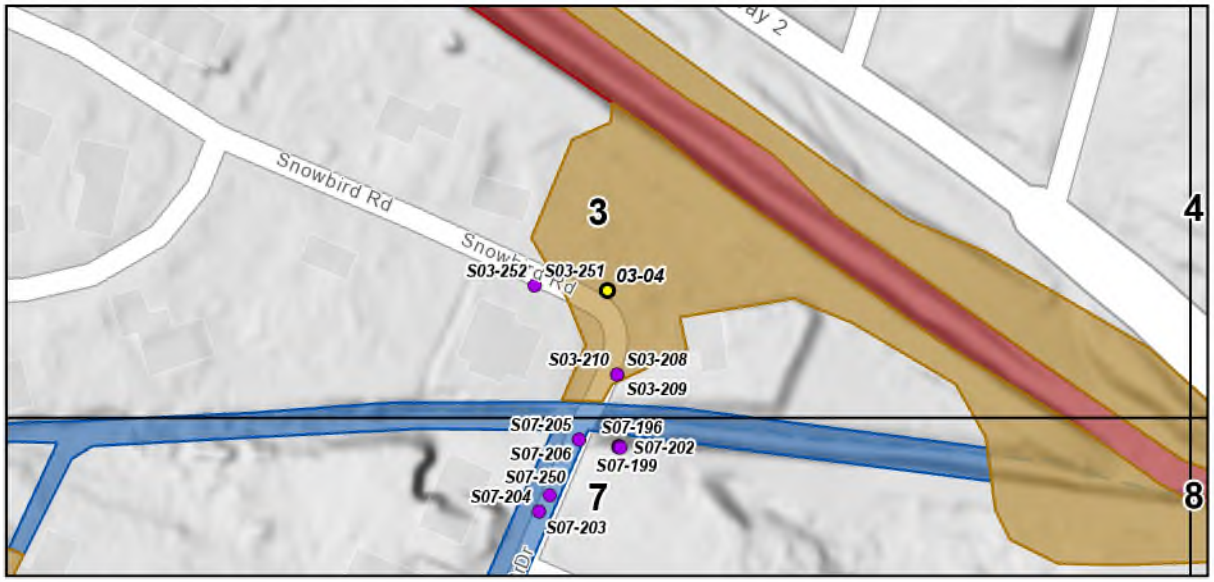


Appendix B
CGS Observation

03-04

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



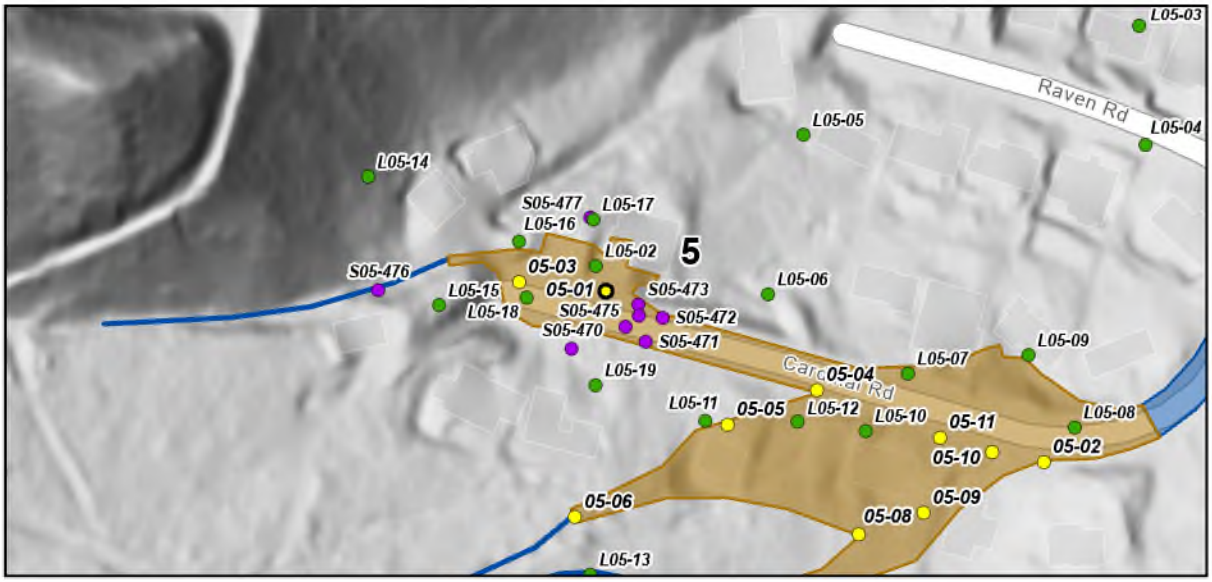


Appendix B
CGS Observation

05-01

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

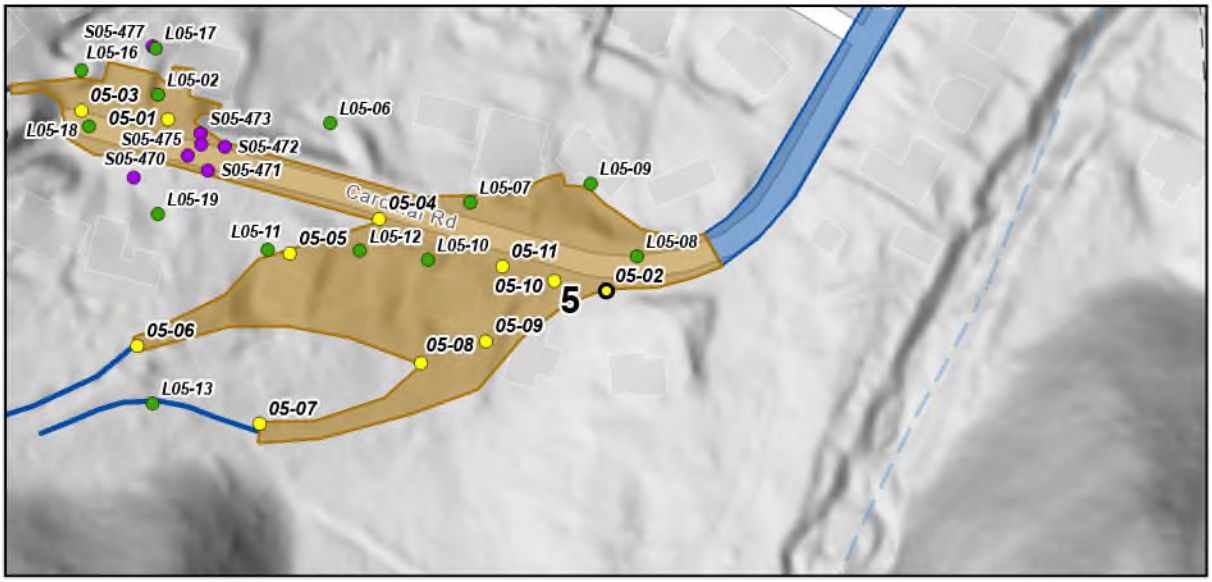
0 50 m





Appendix B
CGS Observation

05-02



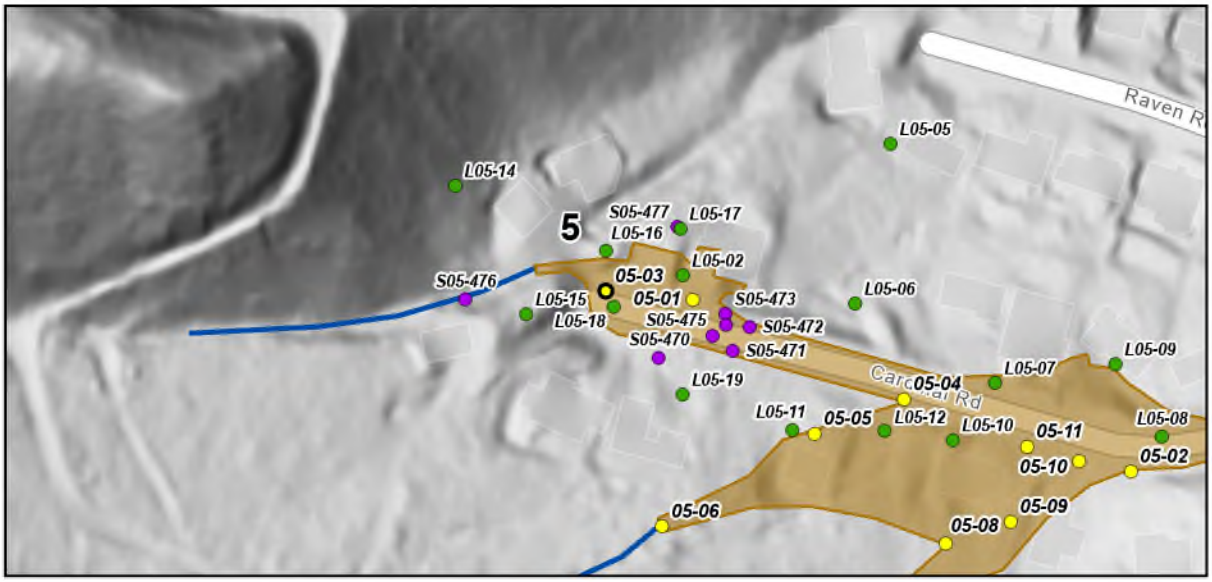


Appendix B
CGS Observation

05-03

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

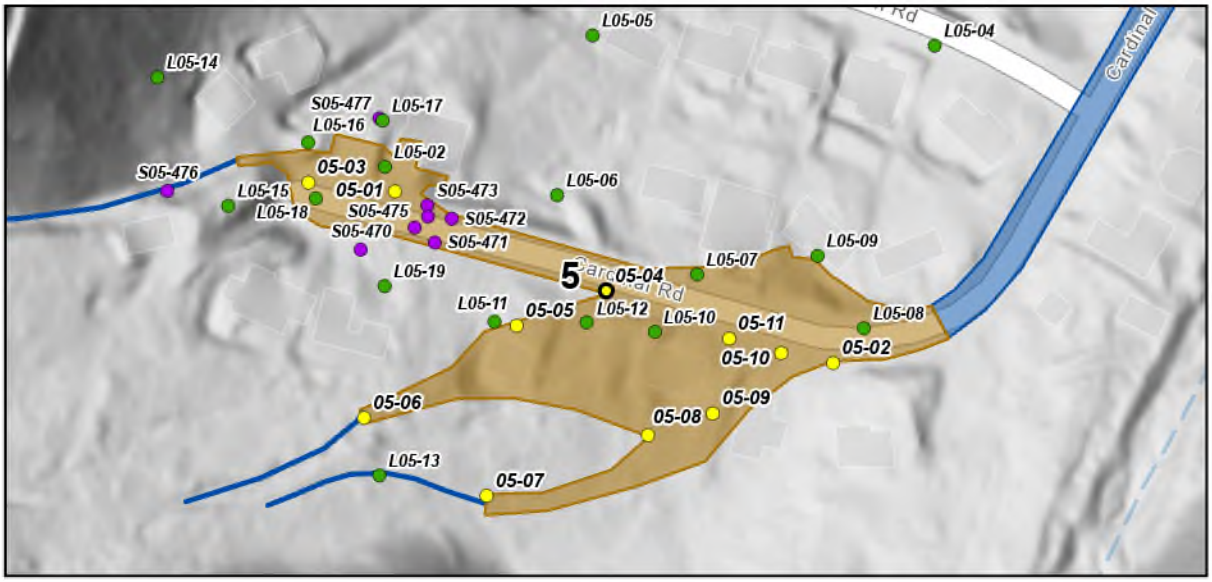
0 50 m





Appendix B
CGS Observation

05-04



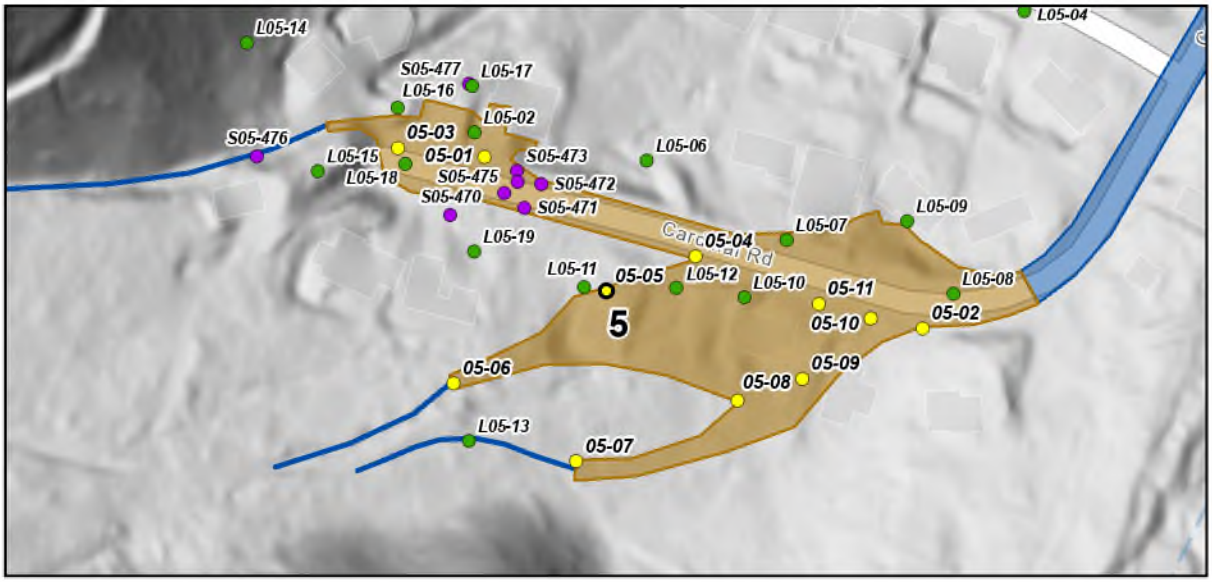


Appendix B
CGS Observation

05-05

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



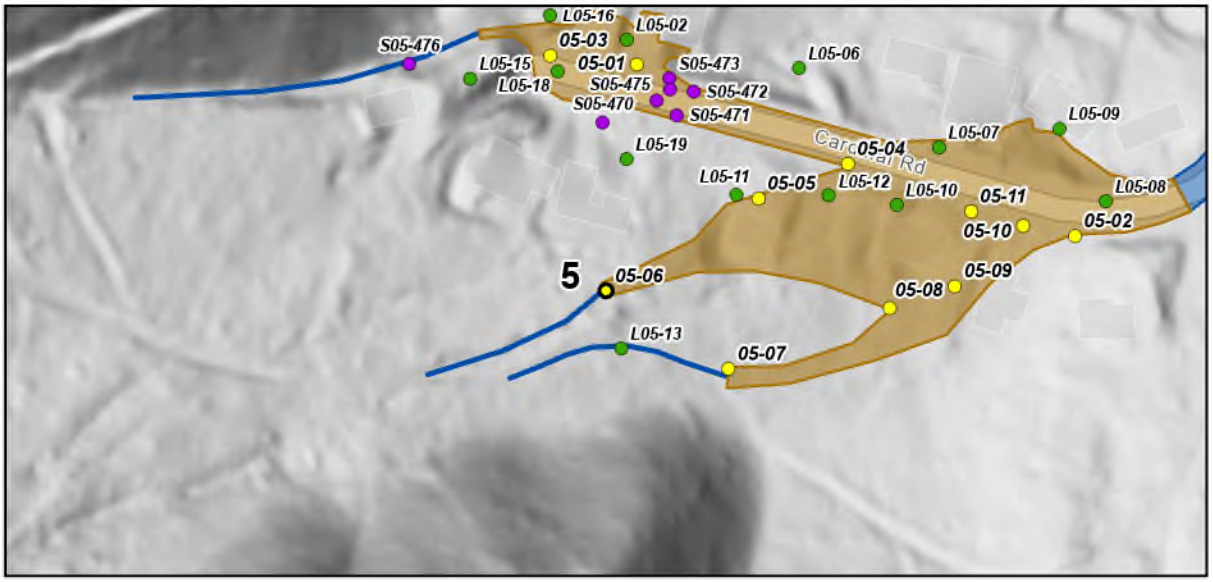


Appendix B
CGS Observation

05-06

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



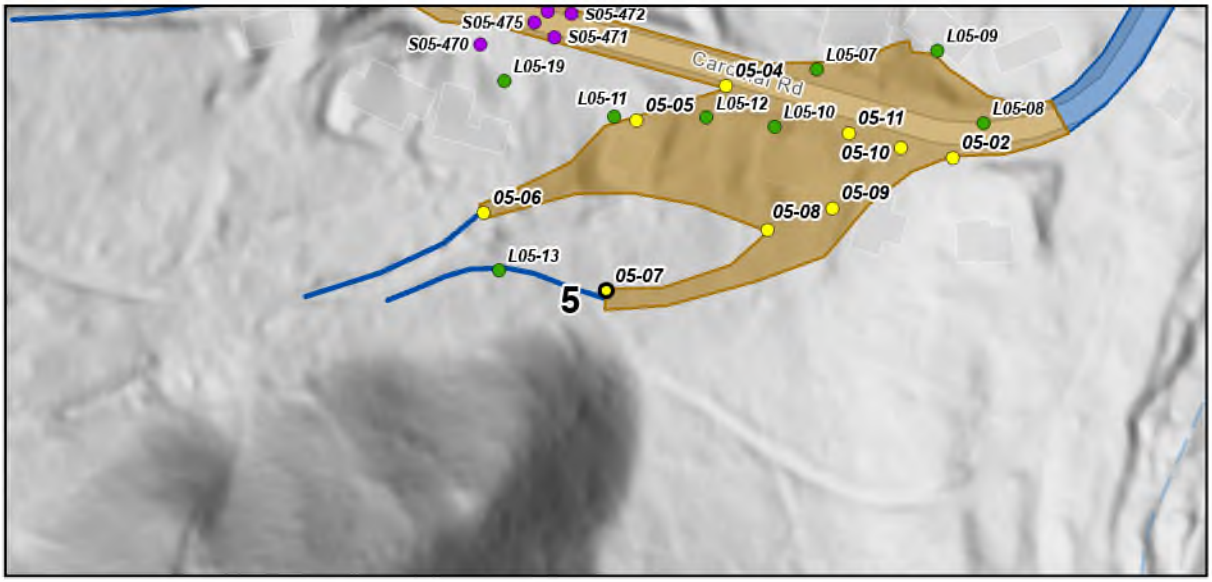


Appendix B
CGS Observation

05-07

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

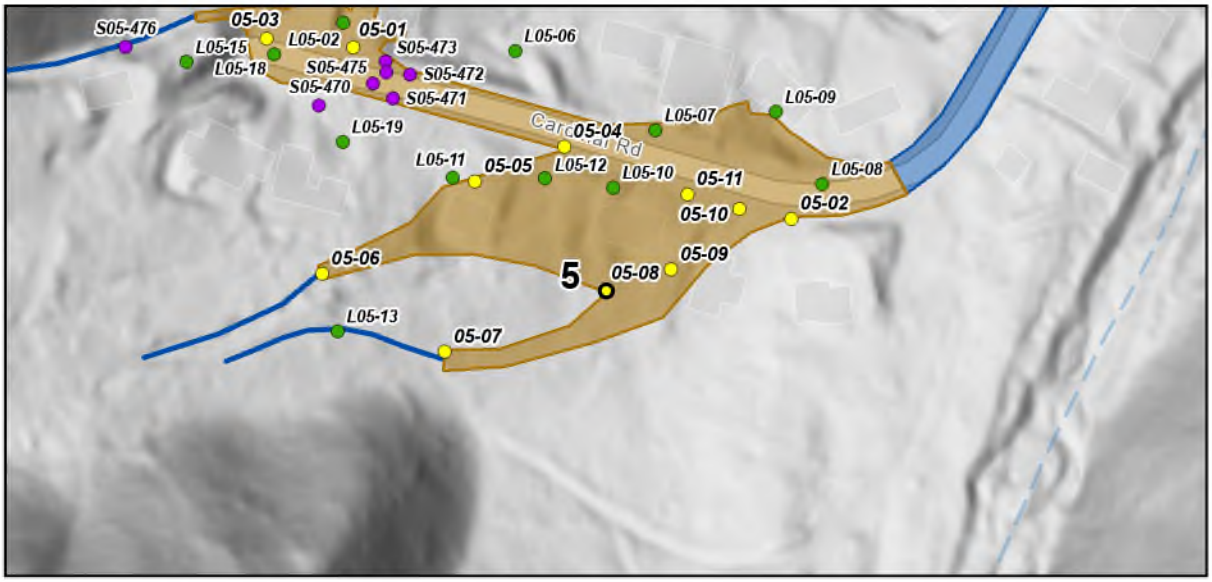
0 50 m





Appendix B
CGS Observation

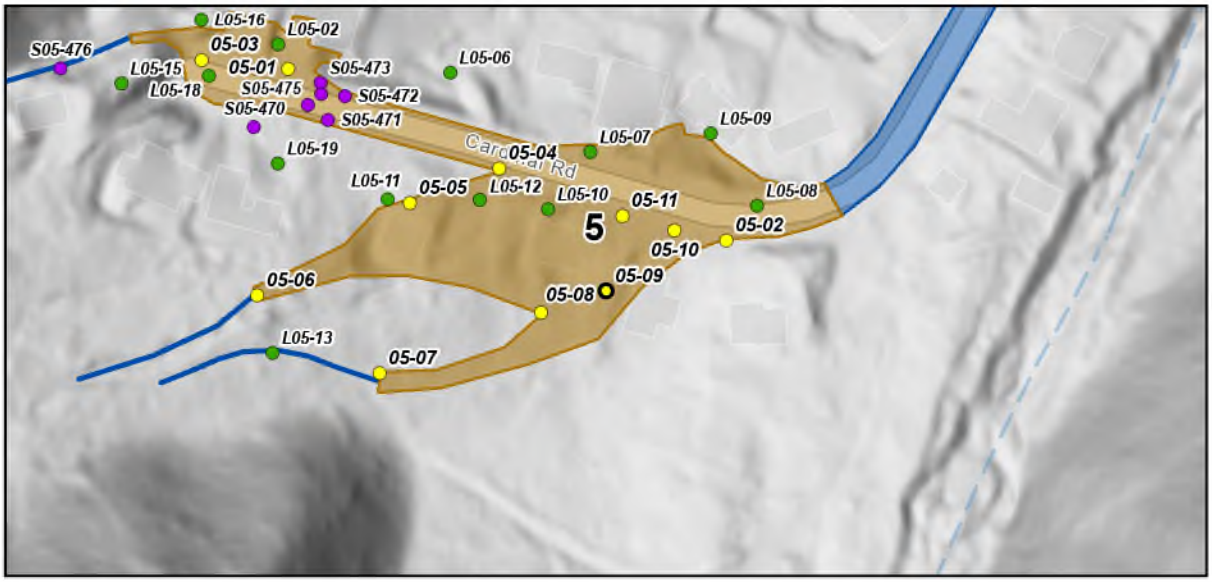
05-08





Appendix B
CGS Observation

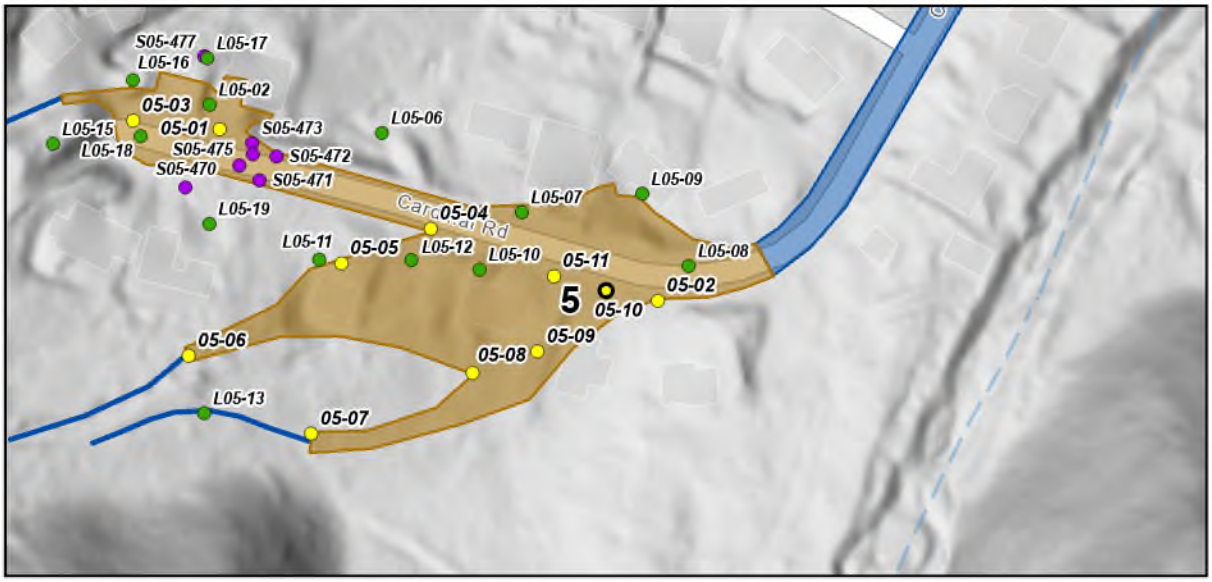
05-09





Appendix B
CGS Observation

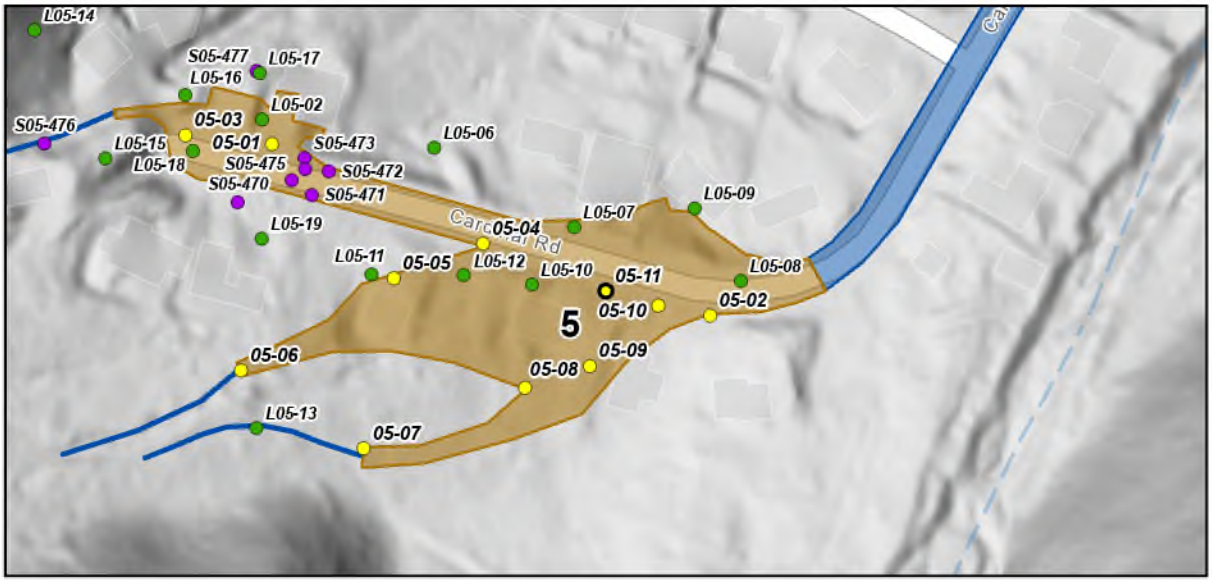
05-10





Appendix B
CGS Observation

05-11



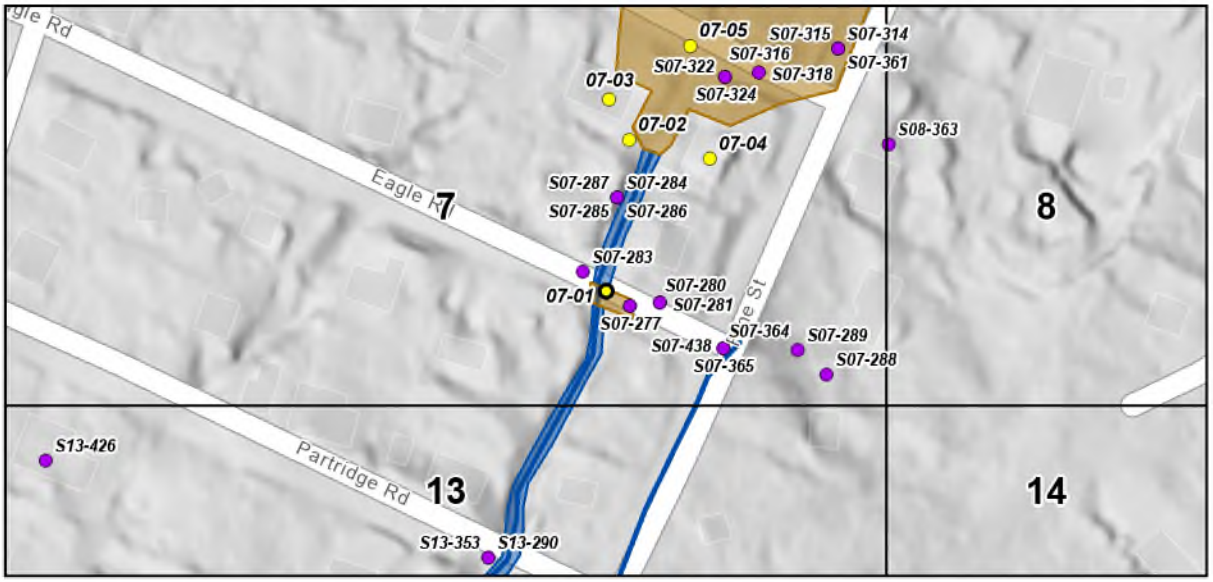


Appendix B
CGS Observation

07-01

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

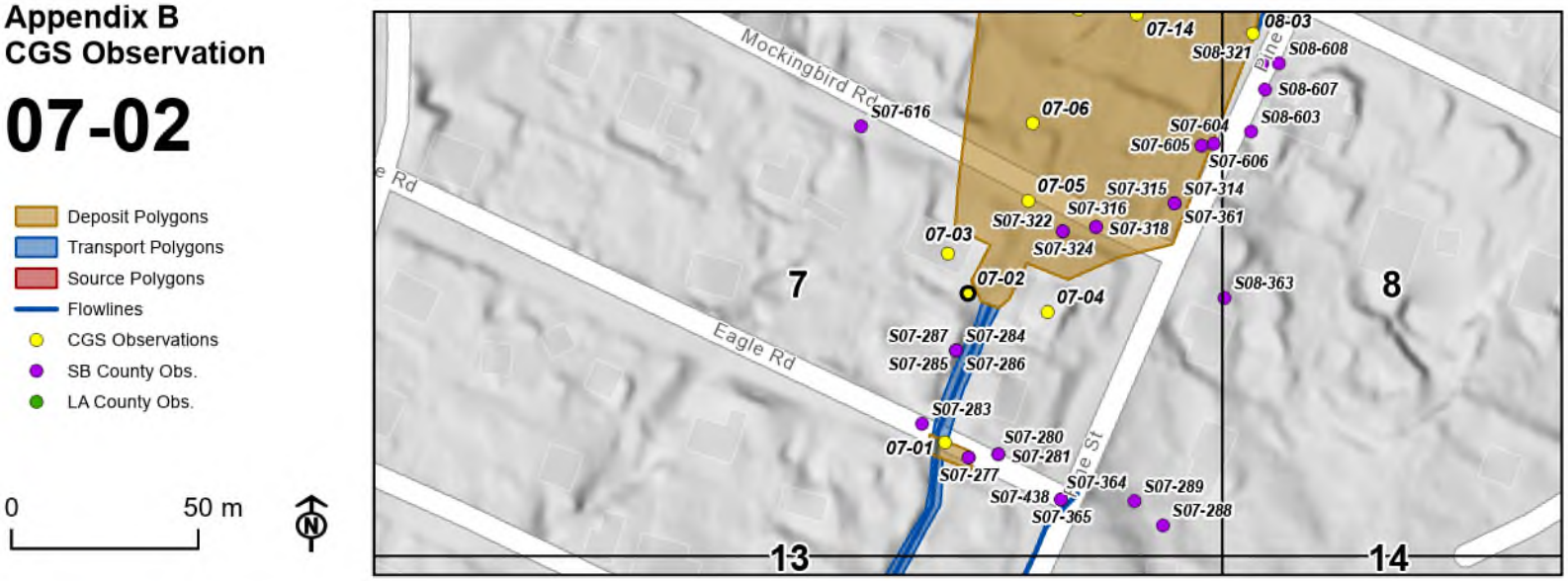
0 50 m





Appendix B
CGS Observation

07-02



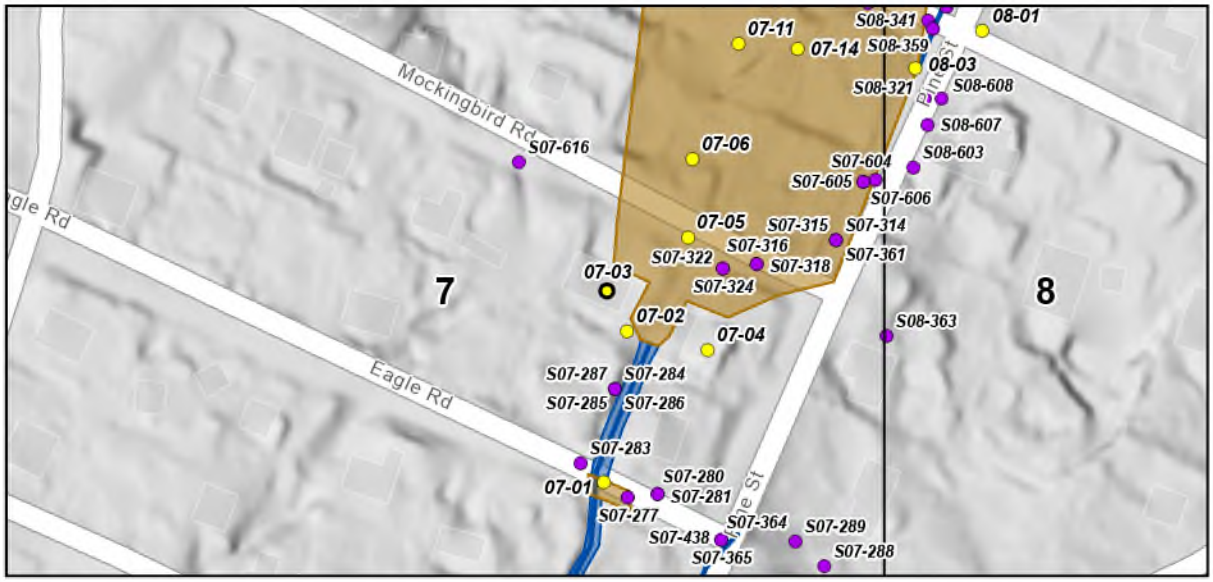


Appendix B
CGS Observation

07-03

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

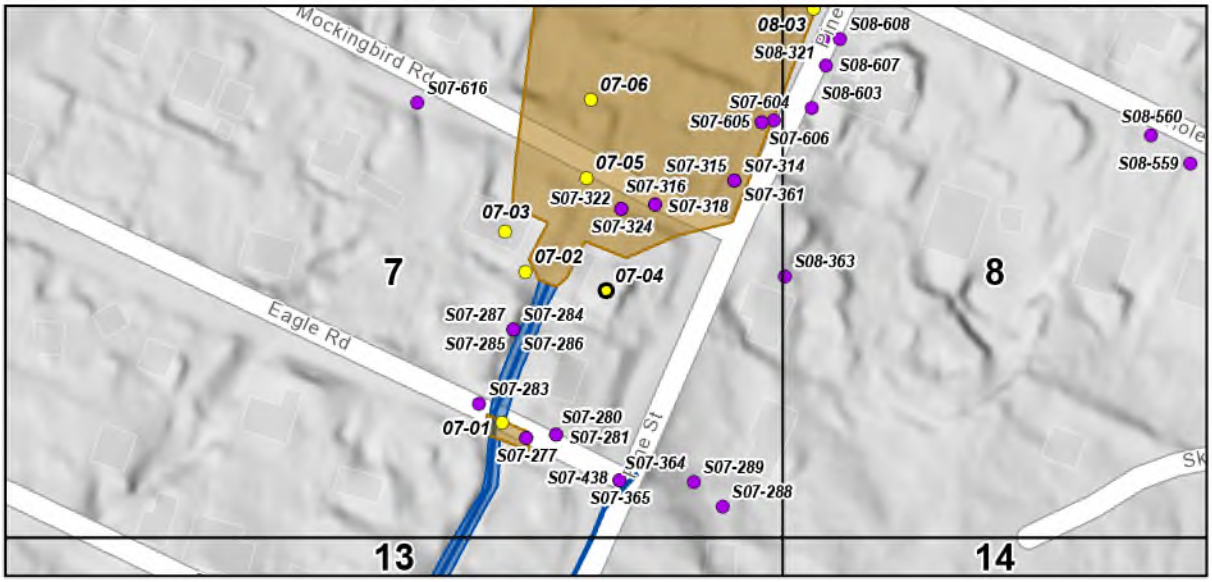
0 50 m





Appendix B
CGS Observation

07-04



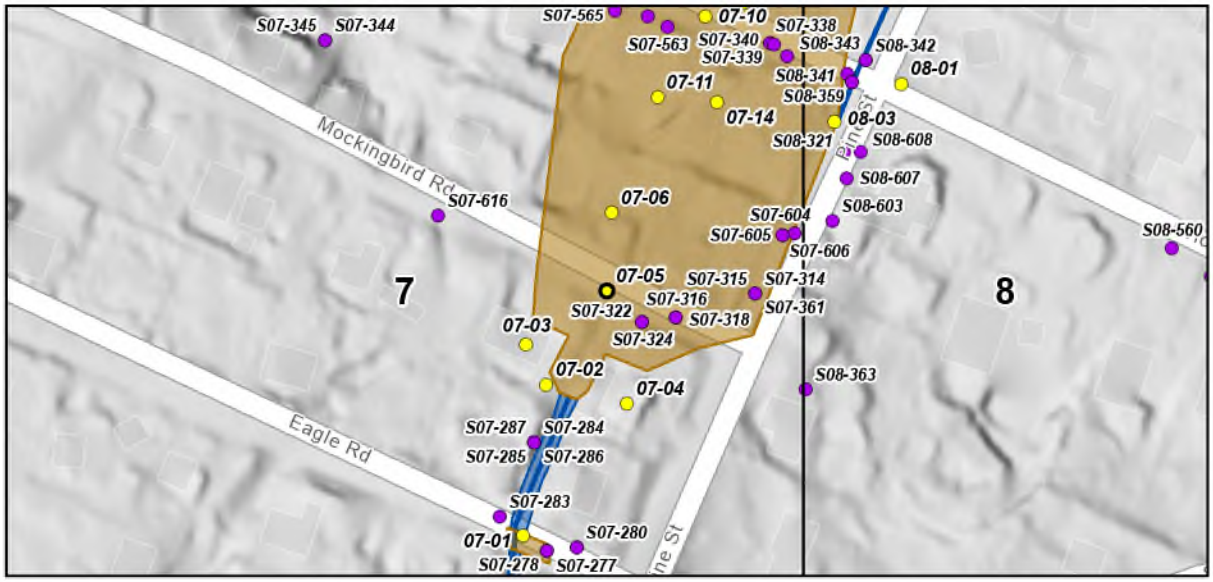


Appendix B
CGS Observation

07-05

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



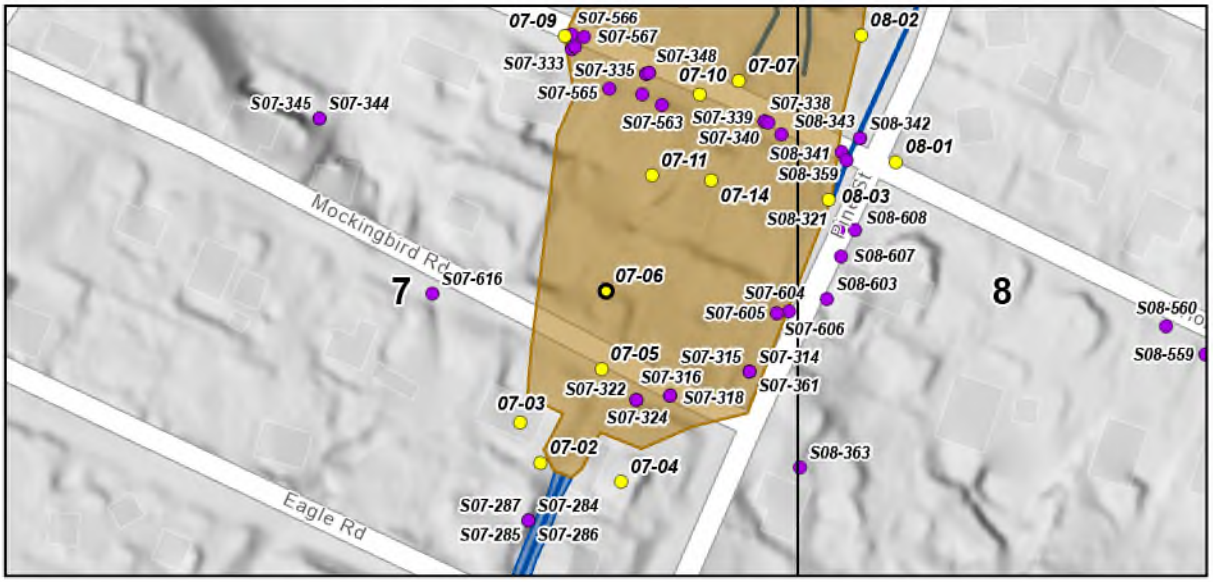


Appendix B
CGS Observation

07-06

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



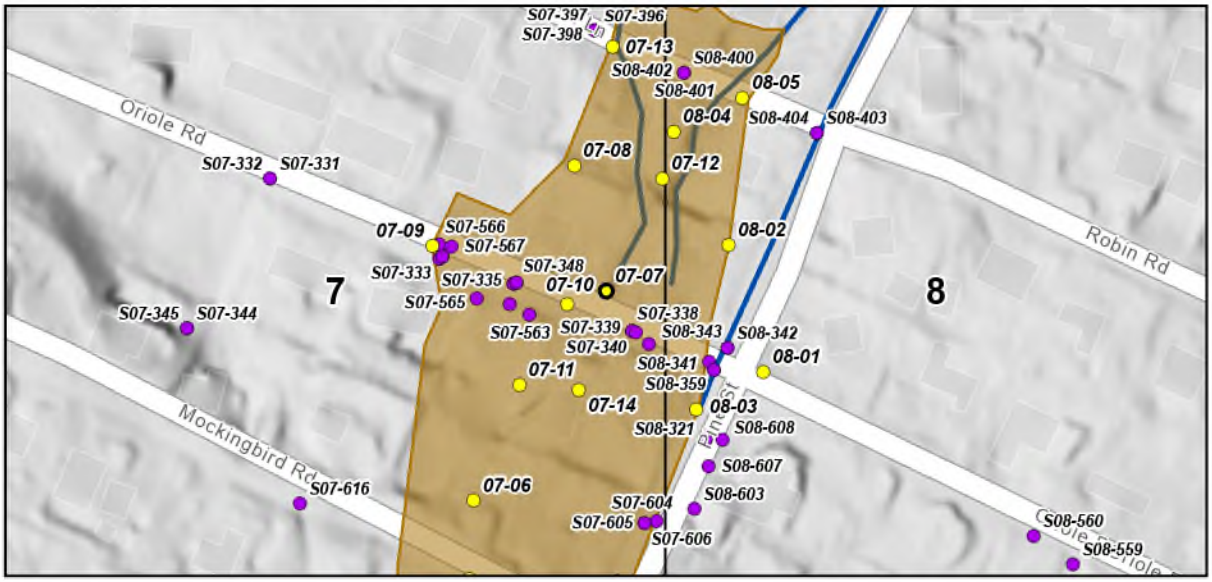


Appendix B
CGS Observation

07-07

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



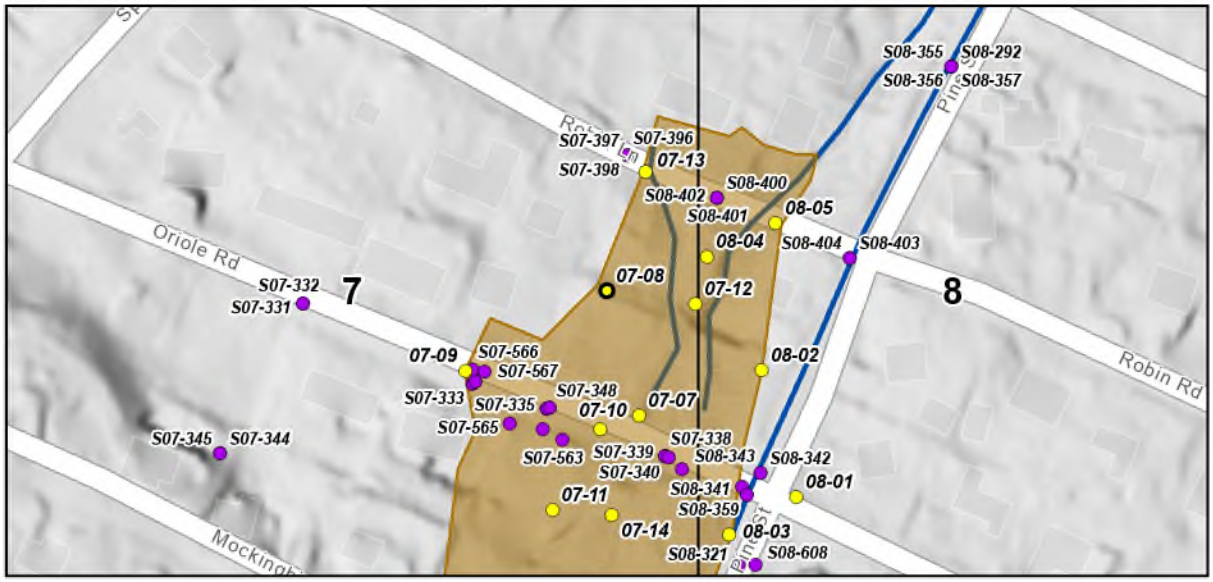


Appendix B
CGS Observation

07-08

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



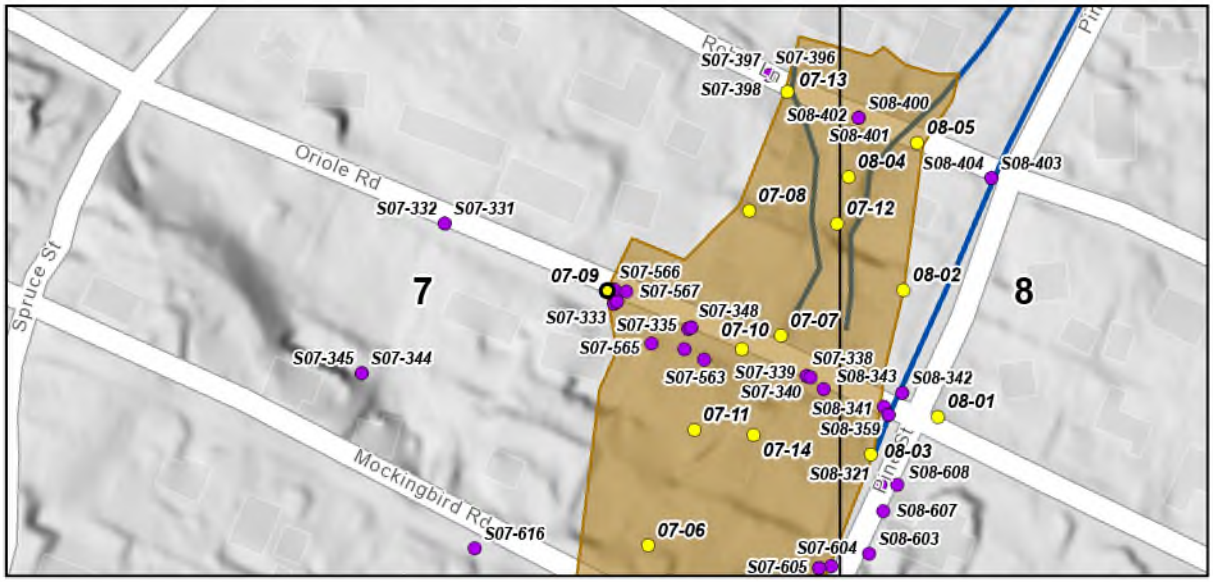


Appendix B
CGS Observation

07-09

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



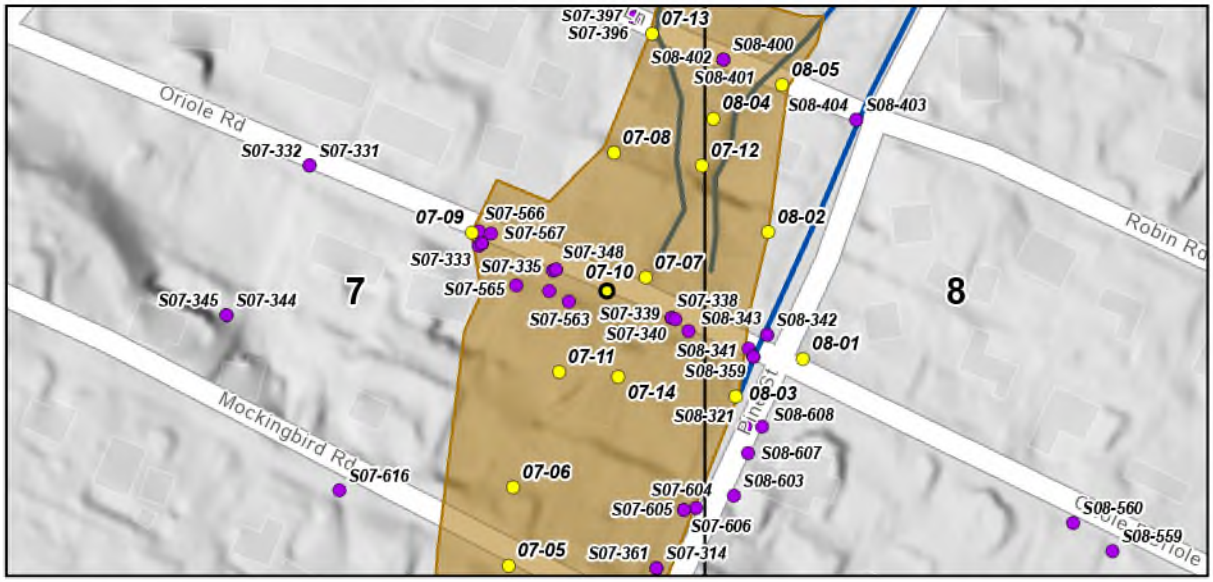


Appendix B
CGS Observation

07-10

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

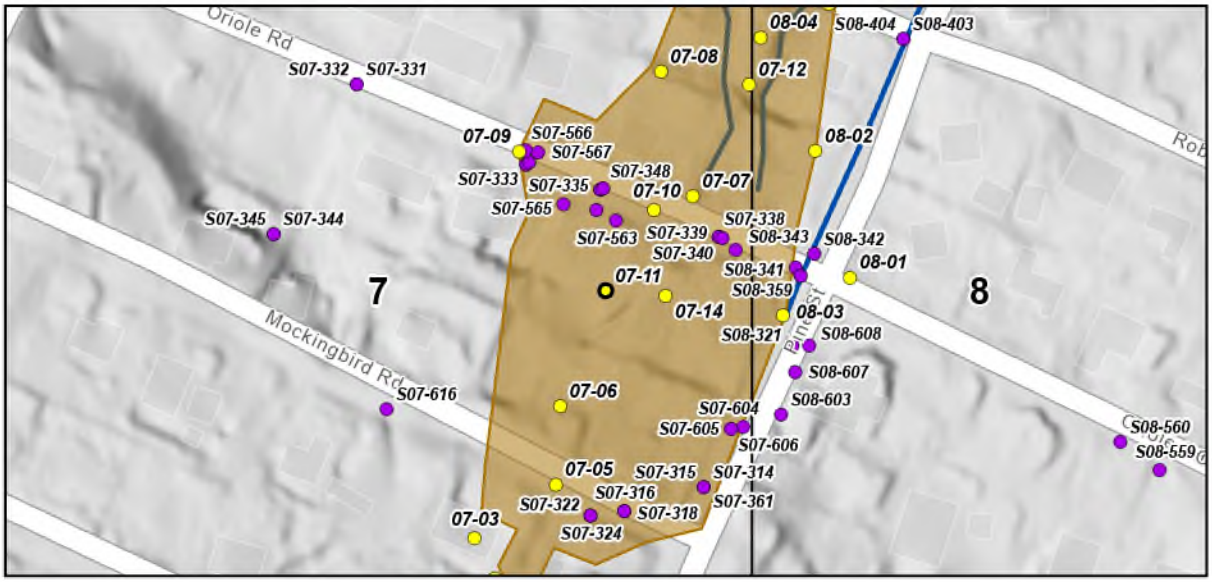
0 50 m





Appendix B
CGS Observation

07-11



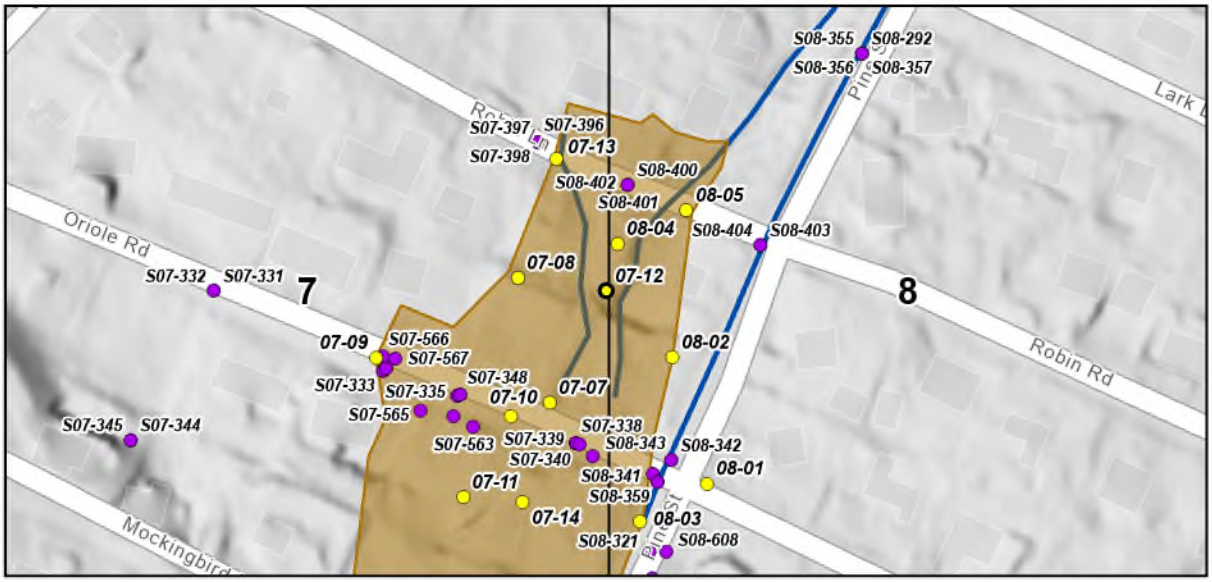
- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



Appendix B
CGS Observation

07-12



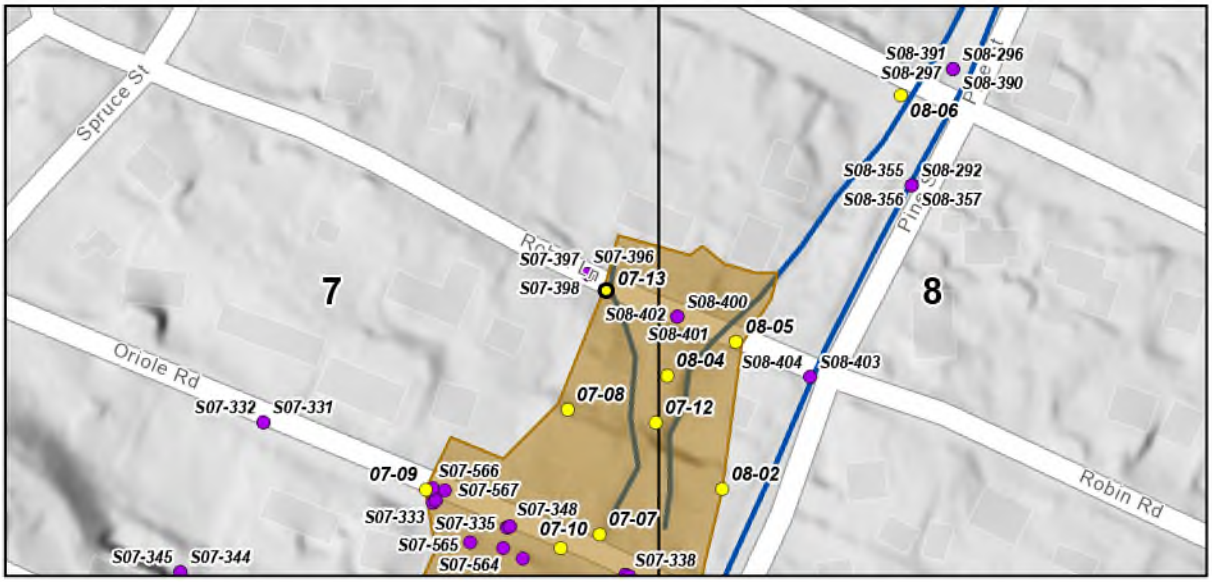


Appendix B
CGS Observation

07-13

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

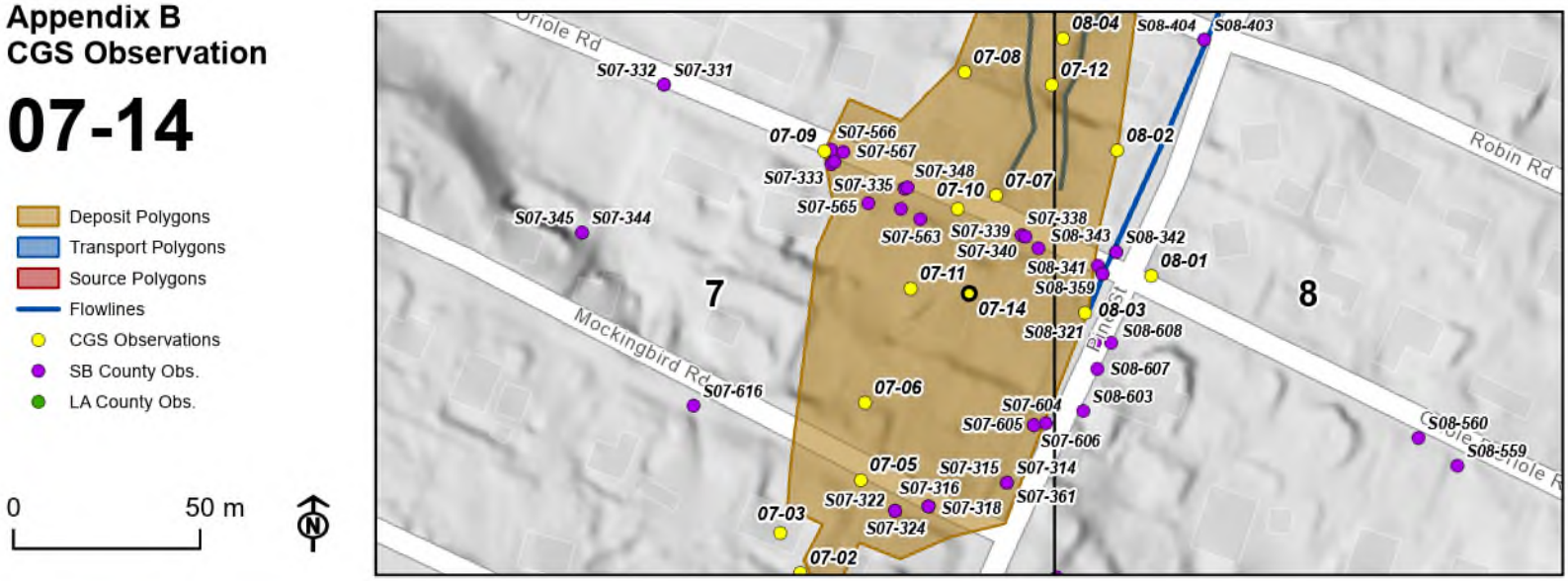
0 50 m





Appendix B
CGS Observation

07-14





Appendix B
CGS Observation

07-15

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



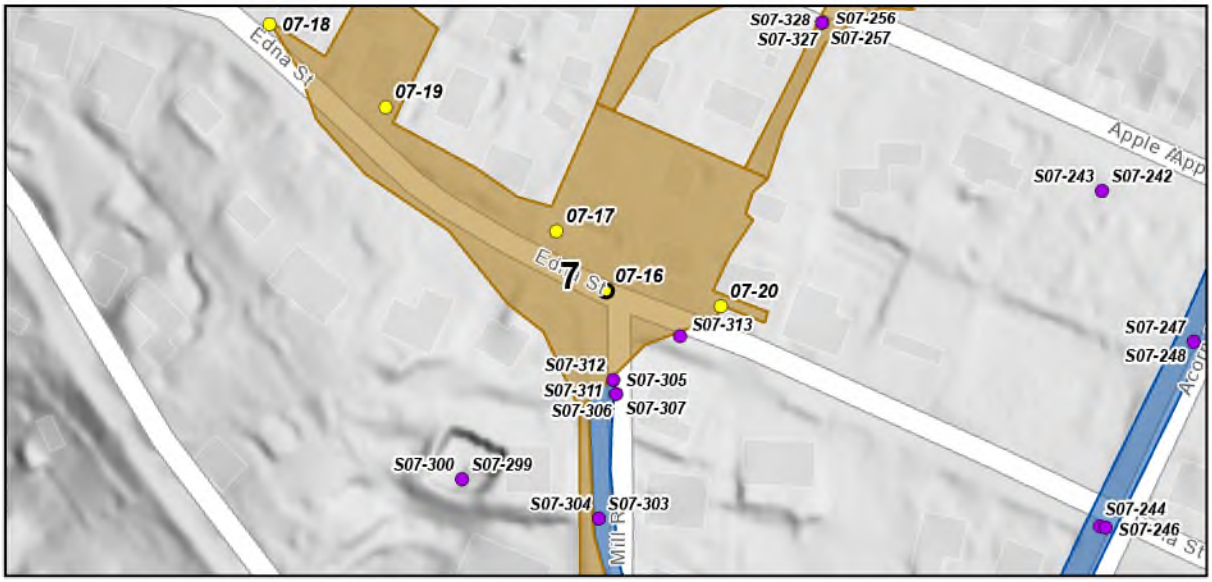


Appendix B
CGS Observation

07-16

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



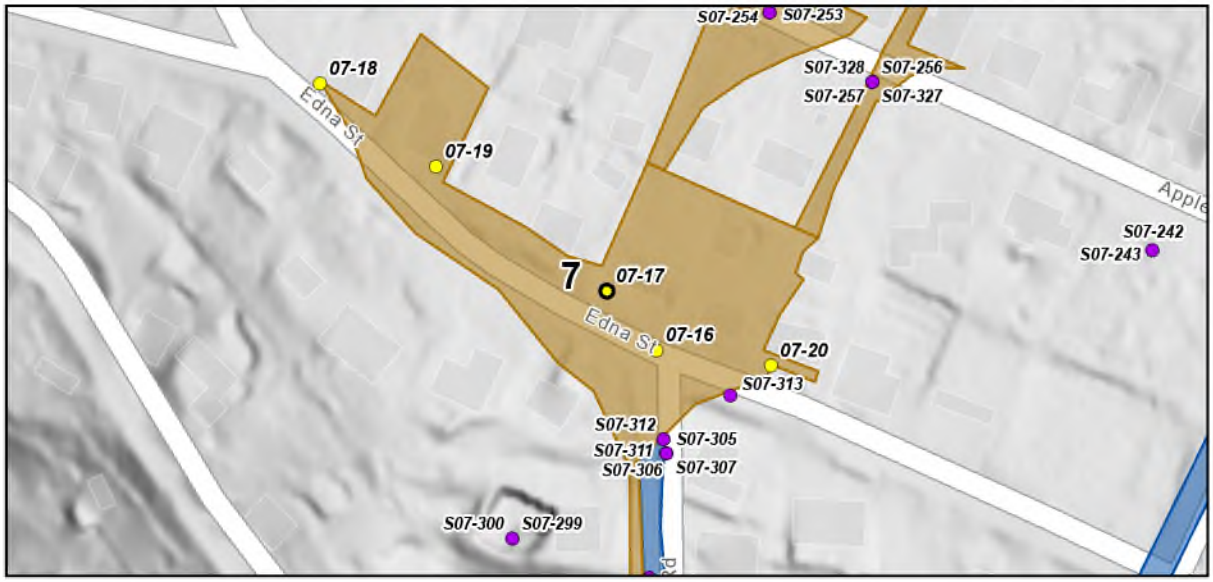


Appendix B
CGS Observation

07-17

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix B
CGS Observation

07-18

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



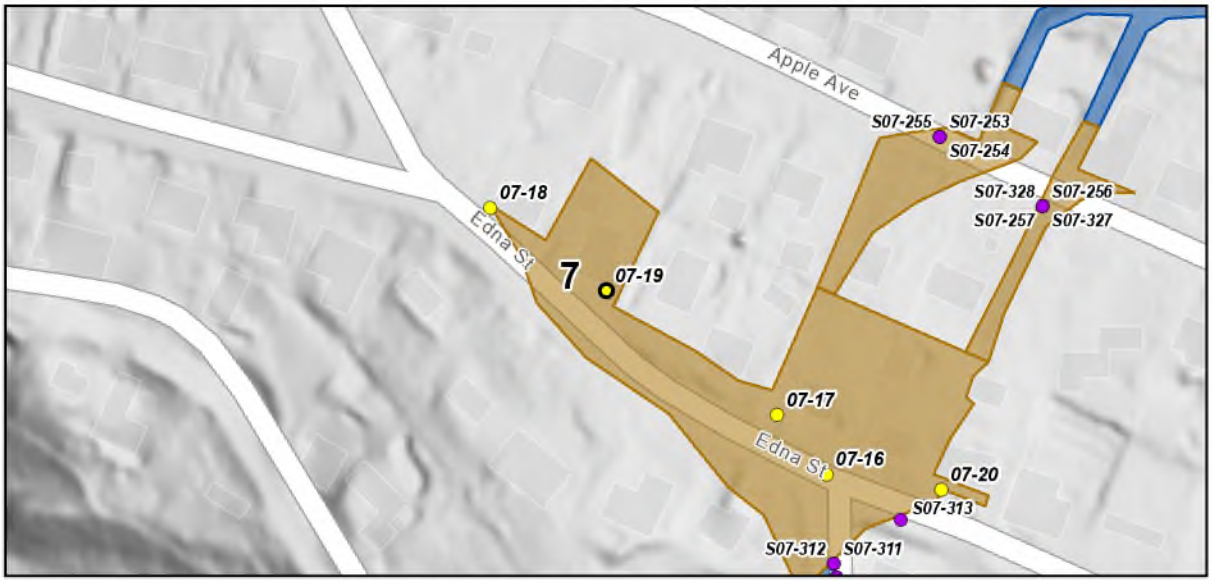


Appendix B
CGS Observation

07-19

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



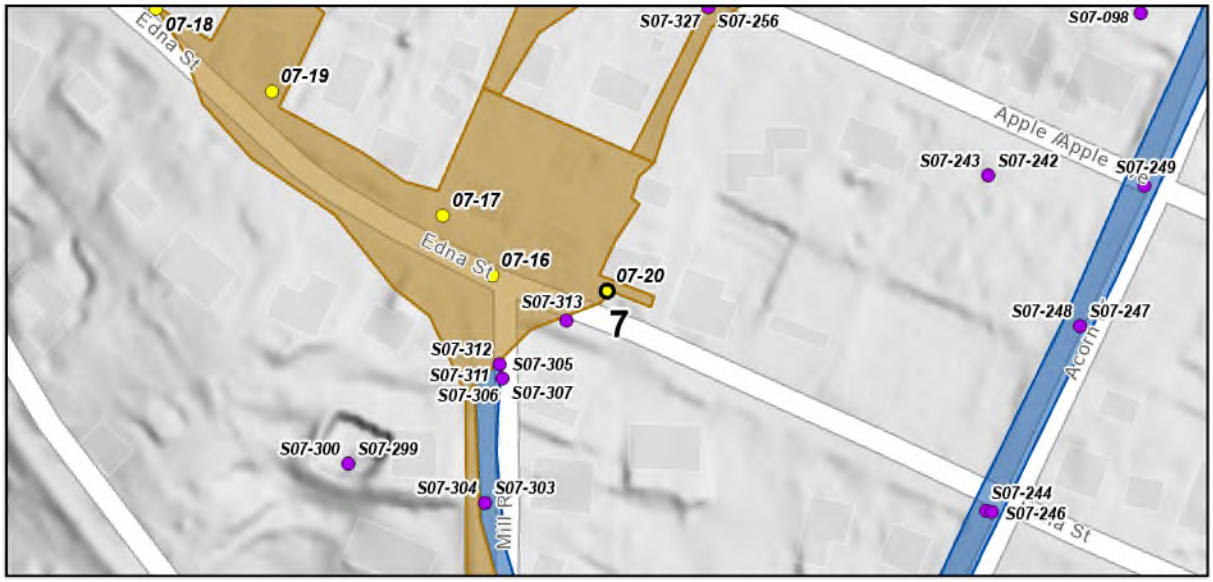


Appendix B
CGS Observation

07-20

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix B
CGS Observation

07-21





Appendix B
CGS Observation

07-22



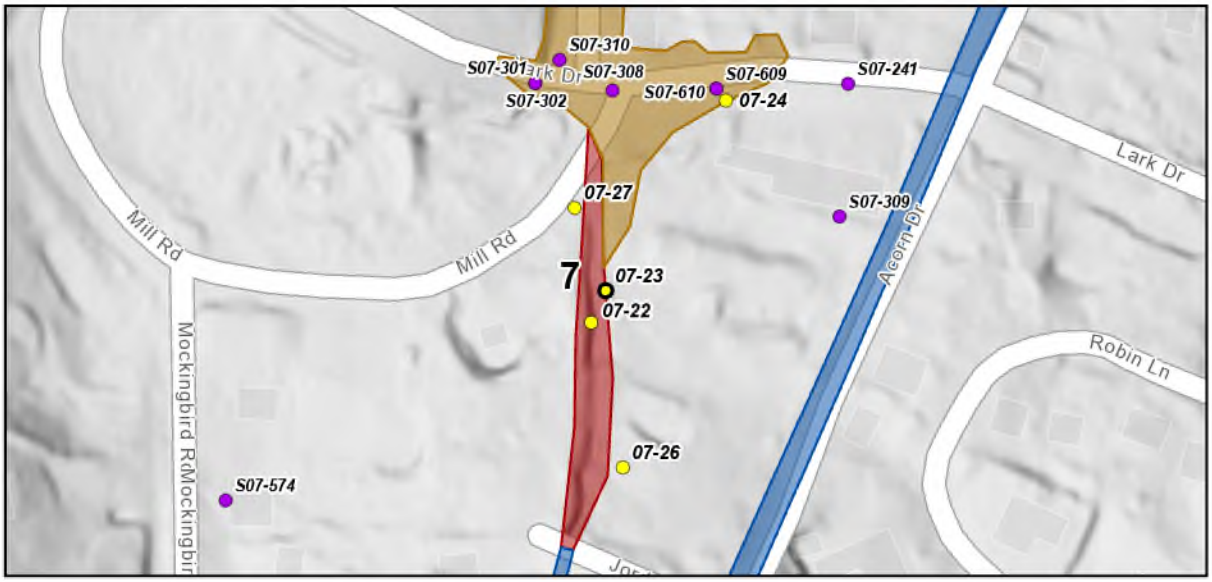


Appendix B
CGS Observation

07-23

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



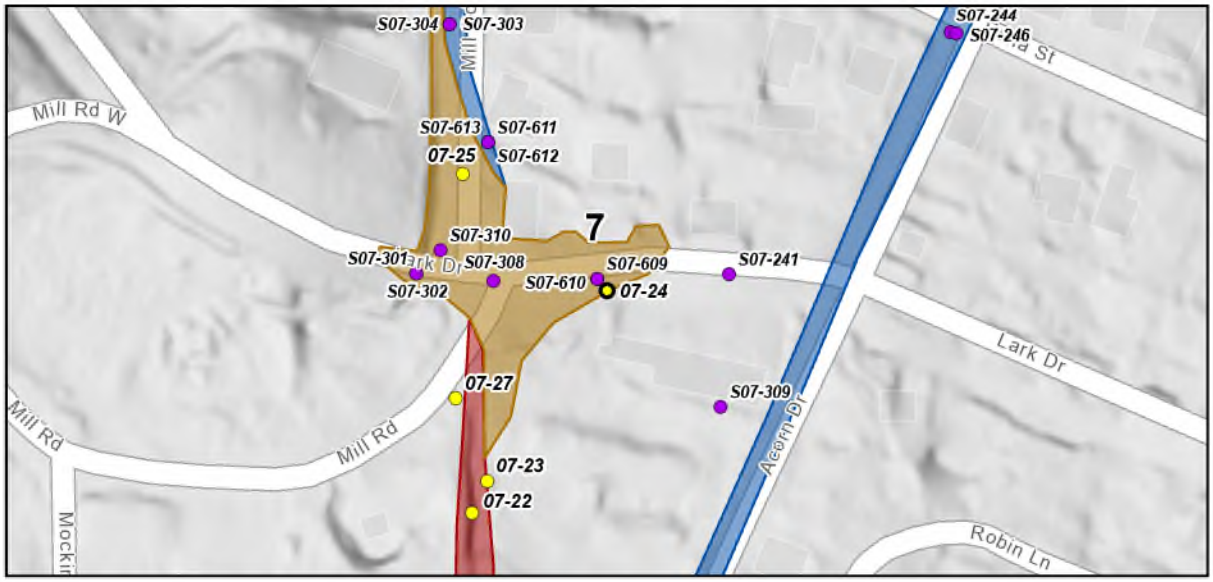


Appendix B
CGS Observation

07-24

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



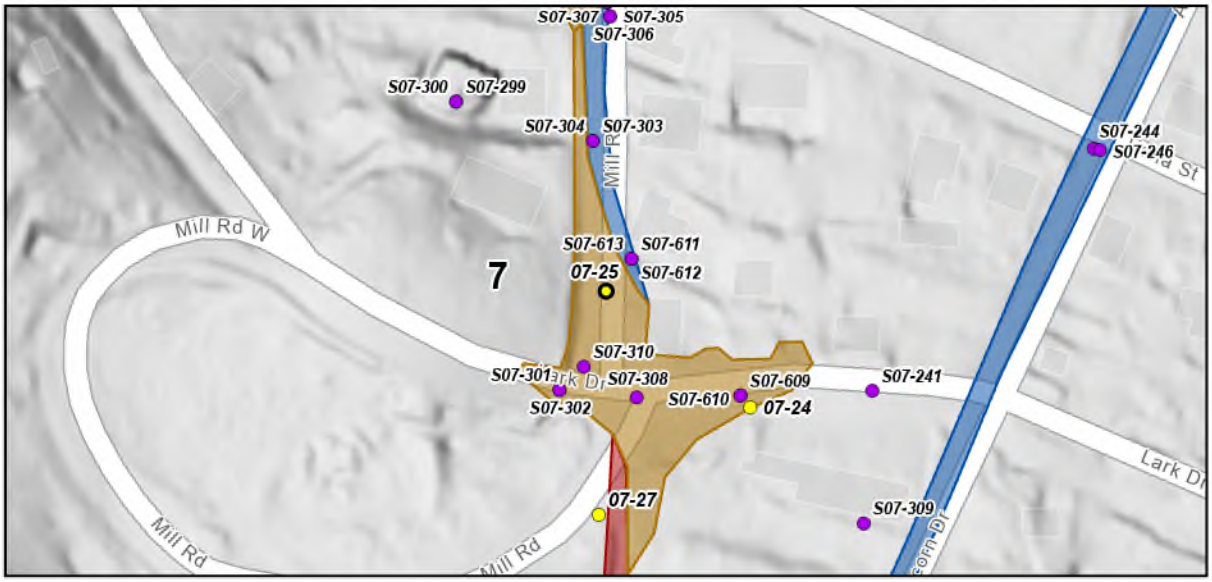


Appendix B
CGS Observation

07-25

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



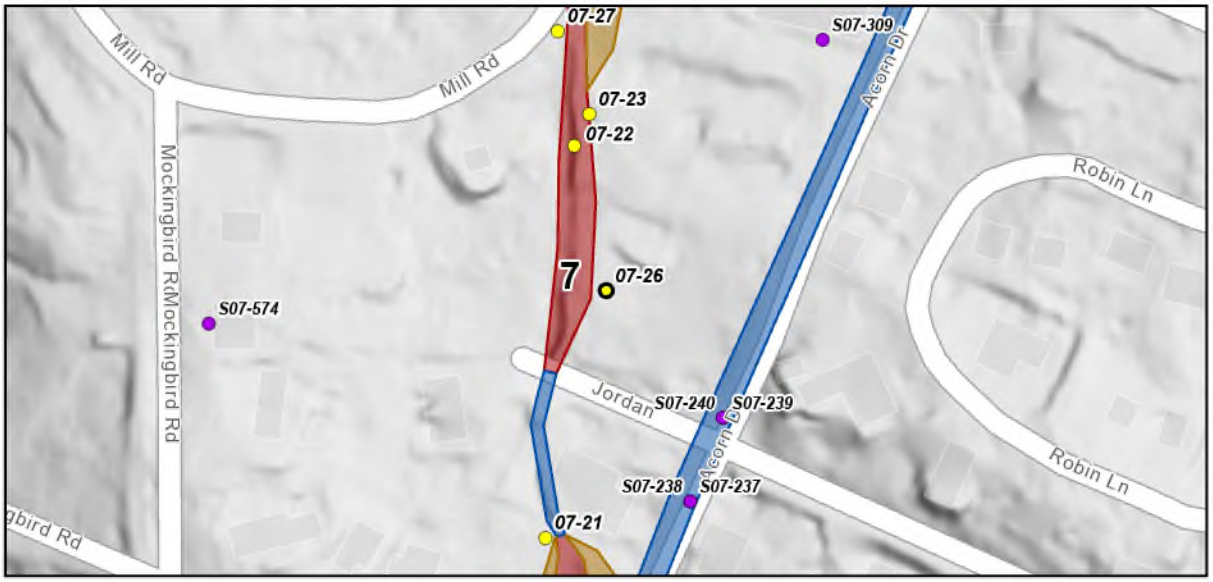


Appendix B
CGS Observation

07-26

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix B
CGS Observation

07-27





Appendix B
CGS Observation

07-28

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

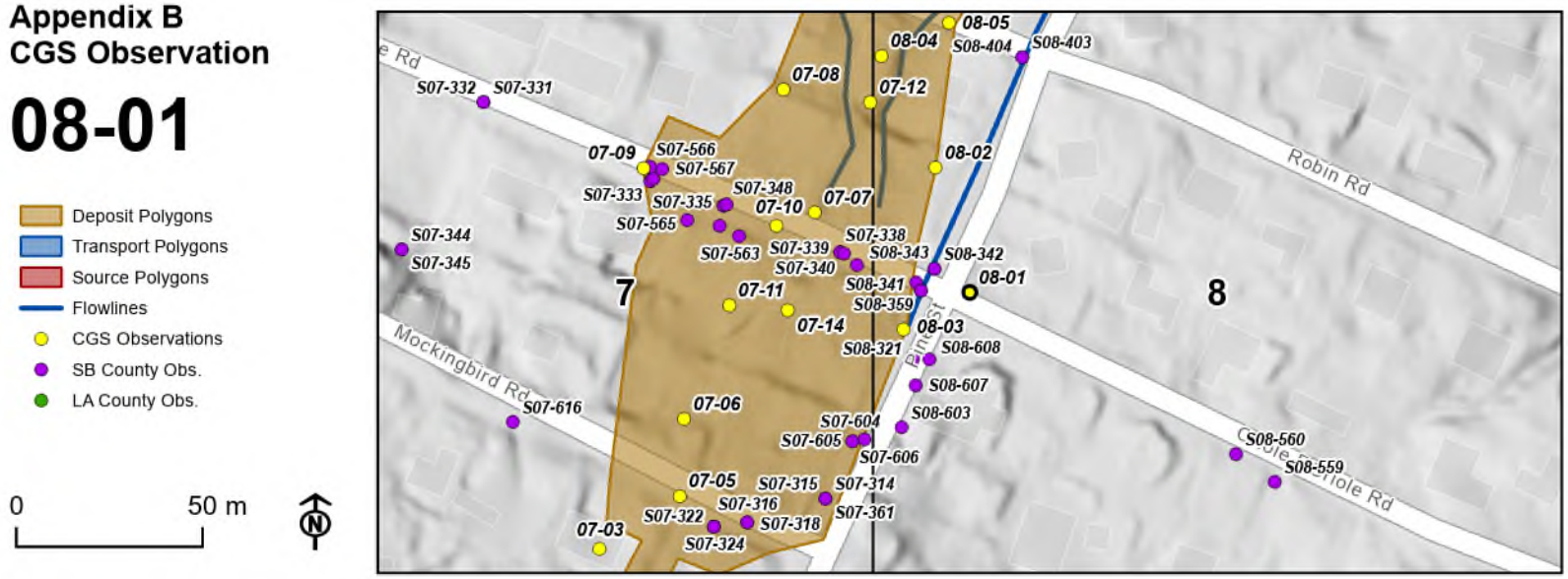
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Appendix B
CGS Observation

08-01



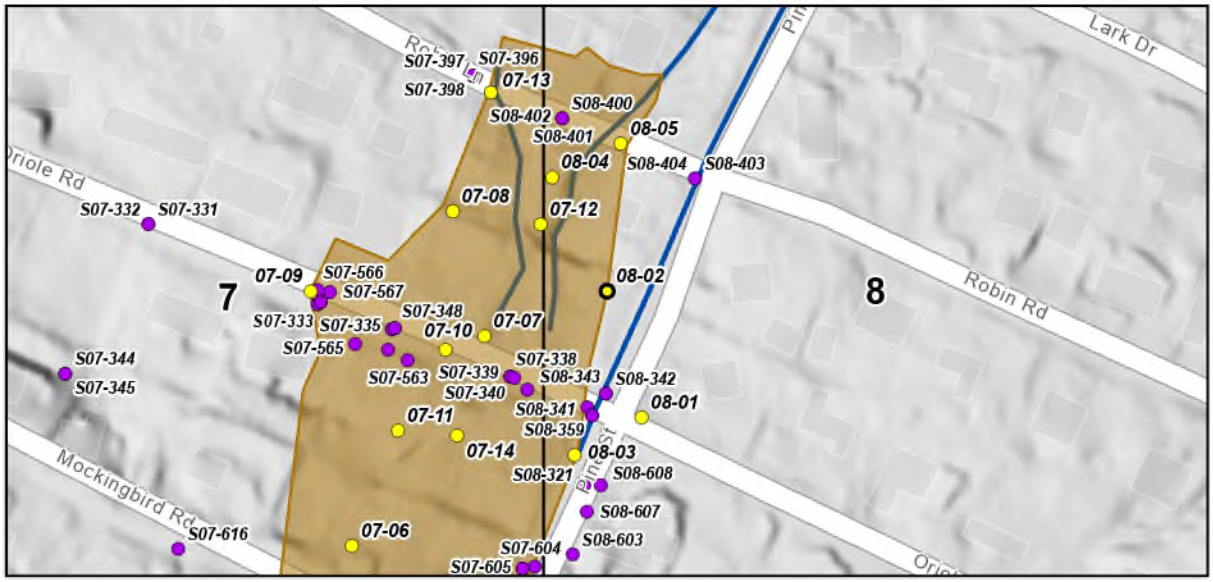


Appendix B
CGS Observation

08-02

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

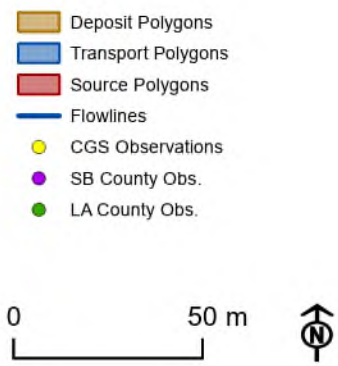
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Appendix B
CGS Observation

08-03





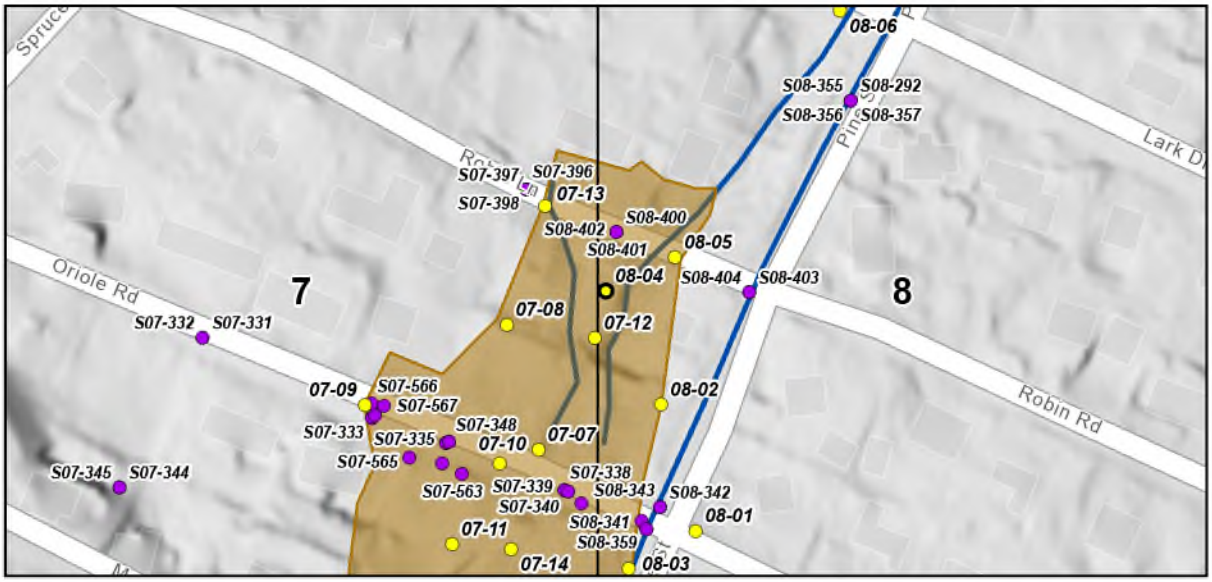


Appendix B
CGS Observation

08-04

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



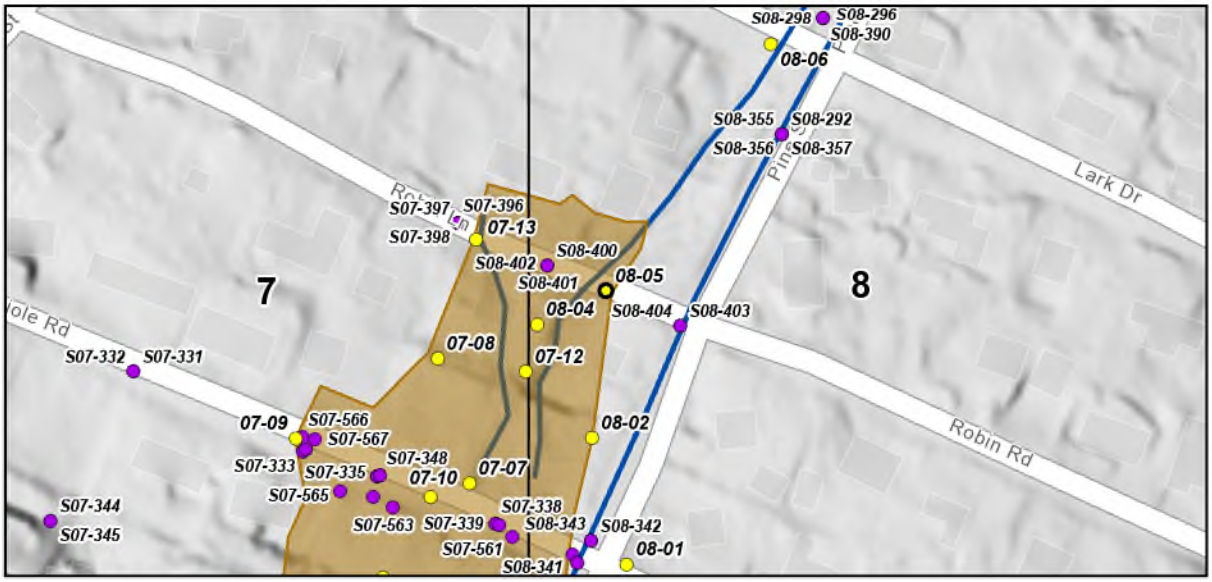


Appendix B
CGS Observation

08-05

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



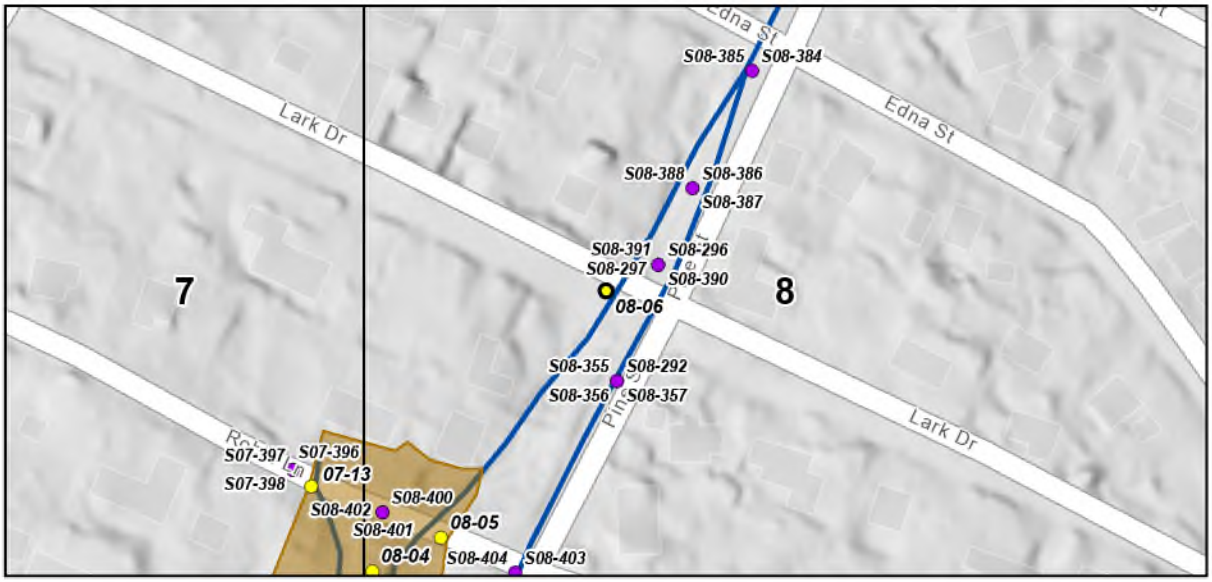


Appendix B
CGS Observation

08-06

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



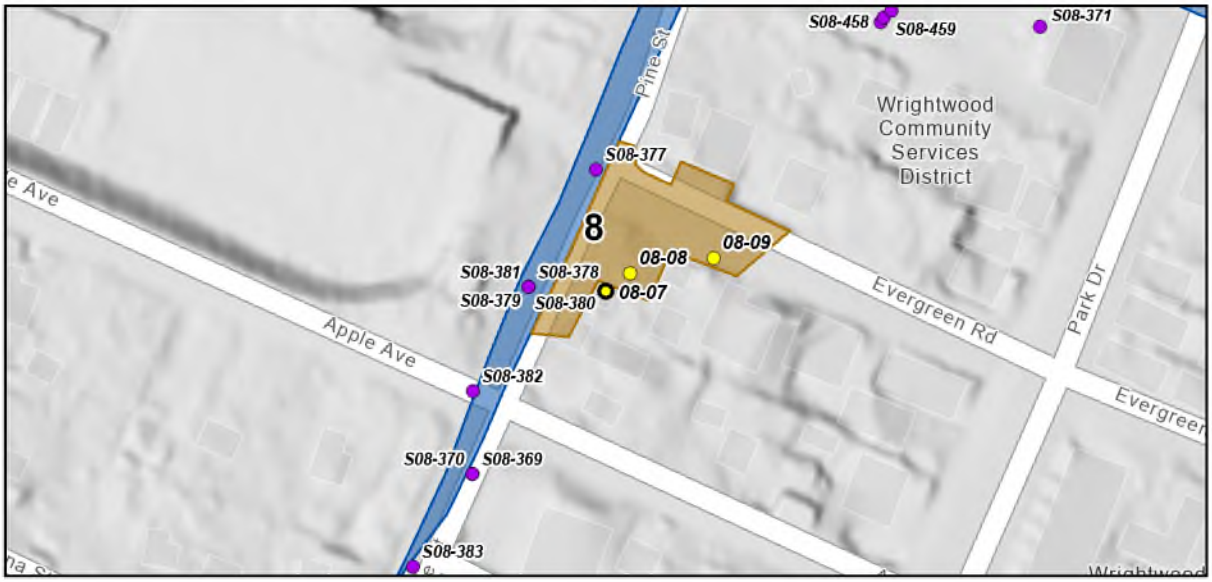


Appendix B
CGS Observation

08-07

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



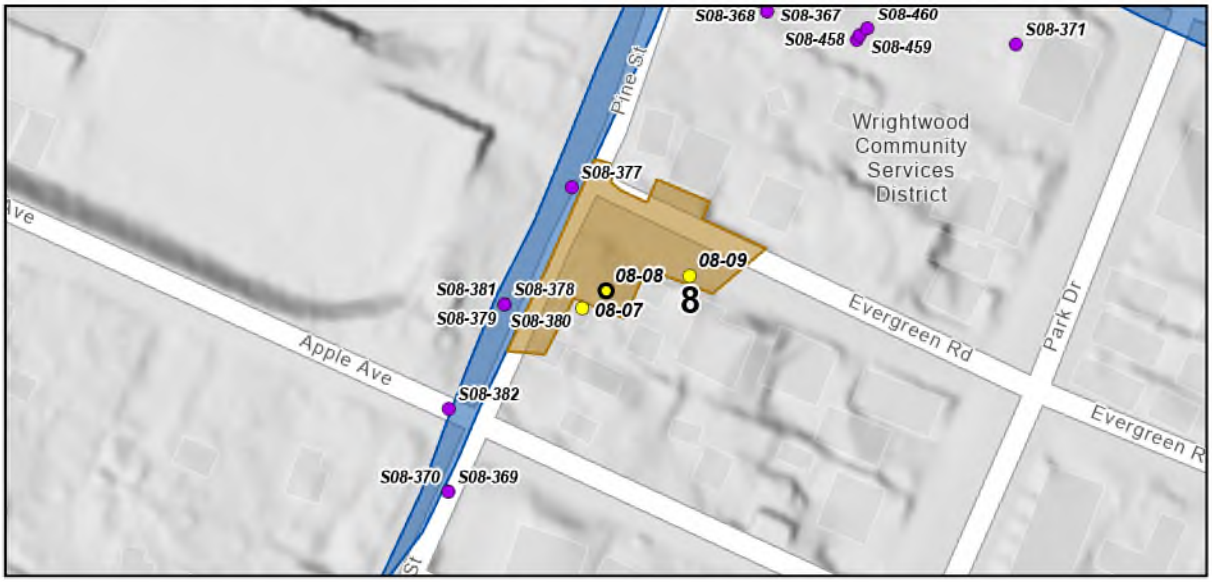


Appendix B
CGS Observation

08-08

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix B
CGS Observation

08-09

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



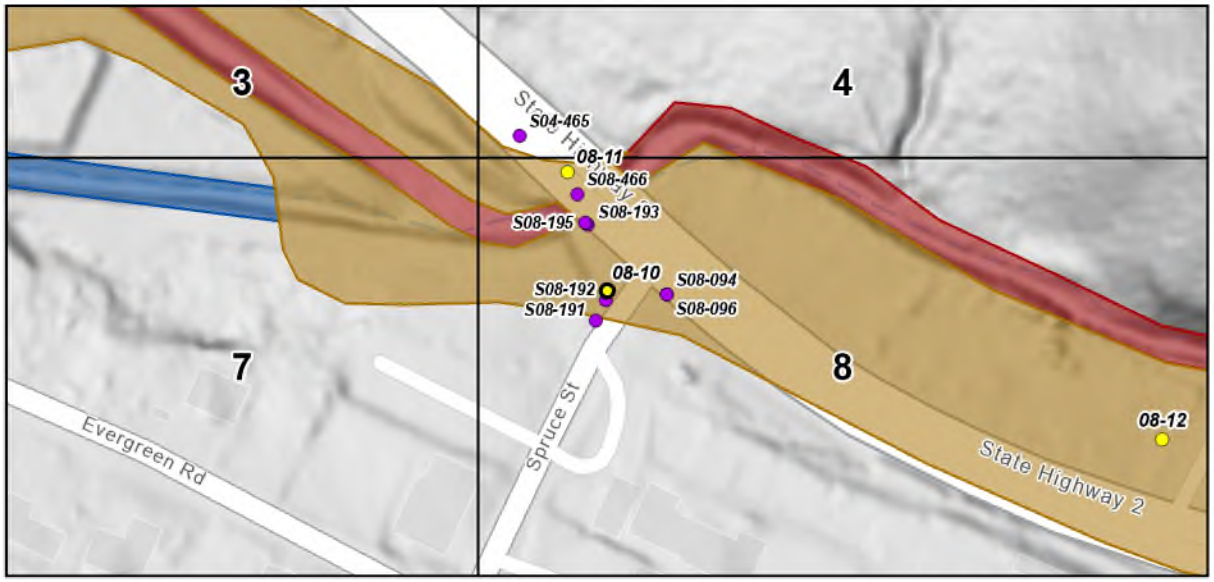


Appendix B
CGS Observation

08-10

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



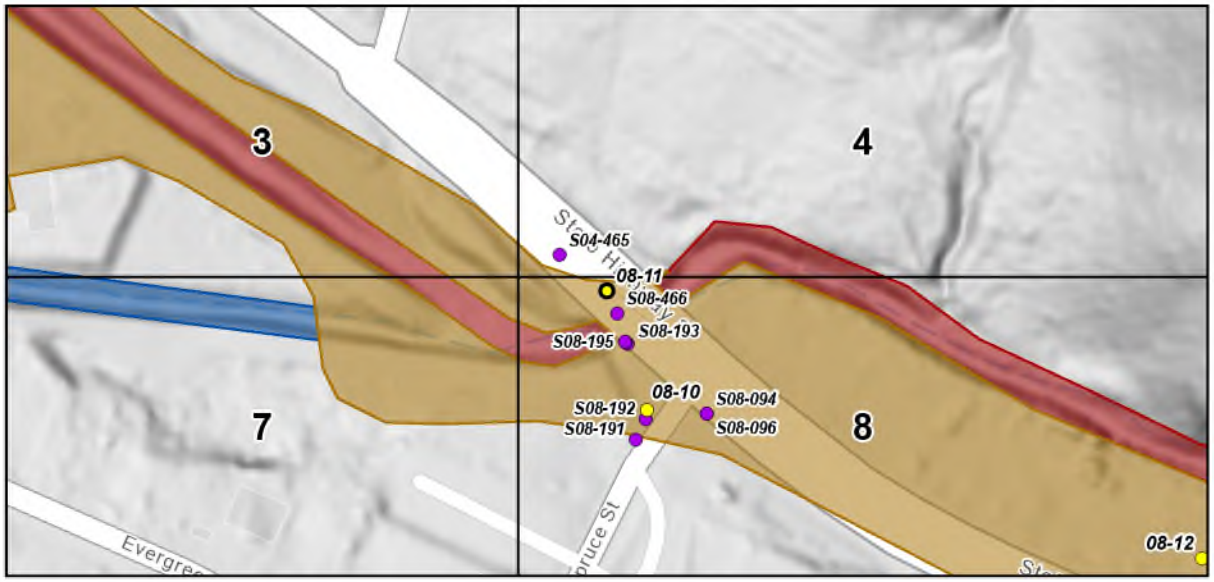


Appendix B
CGS Observation

08-11

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



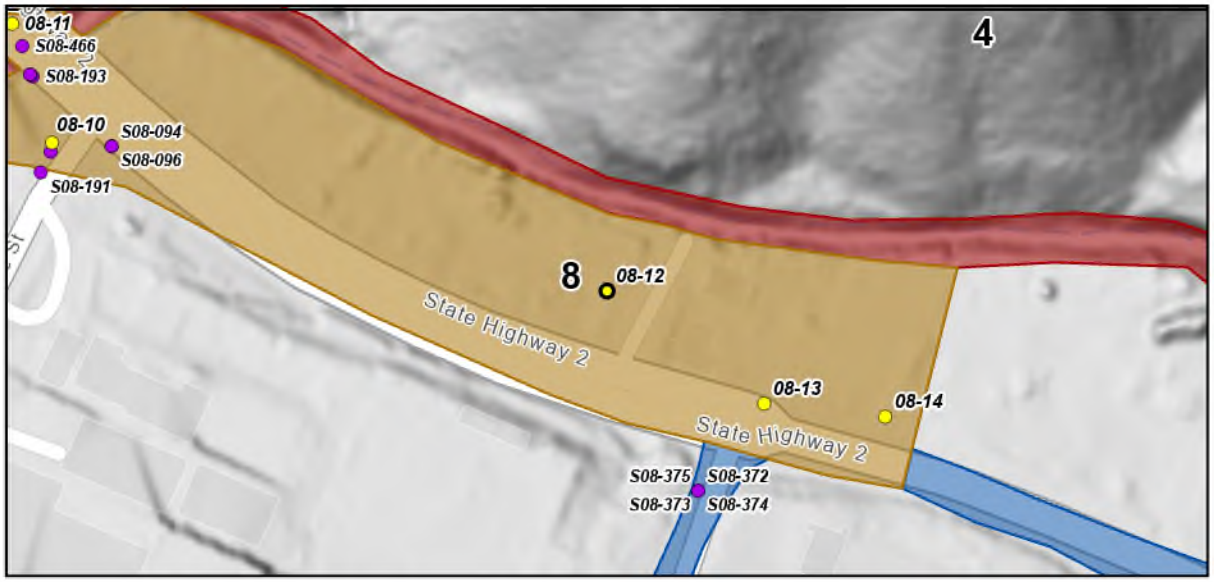


Appendix B
CGS Observation

08-12

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



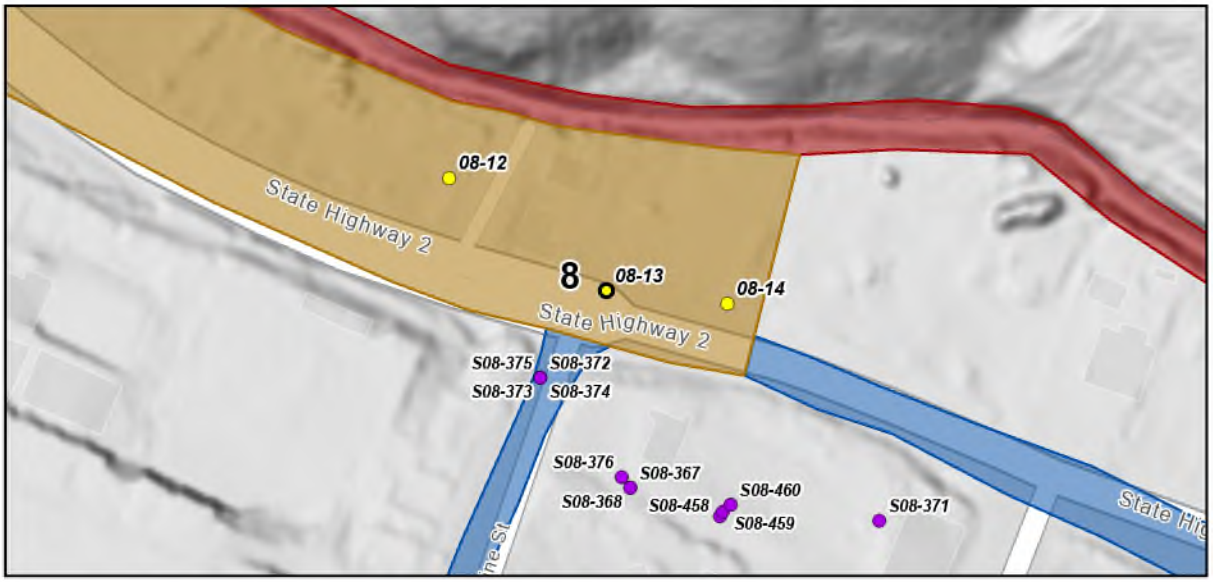


Appendix B
CGS Observation

08-13

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



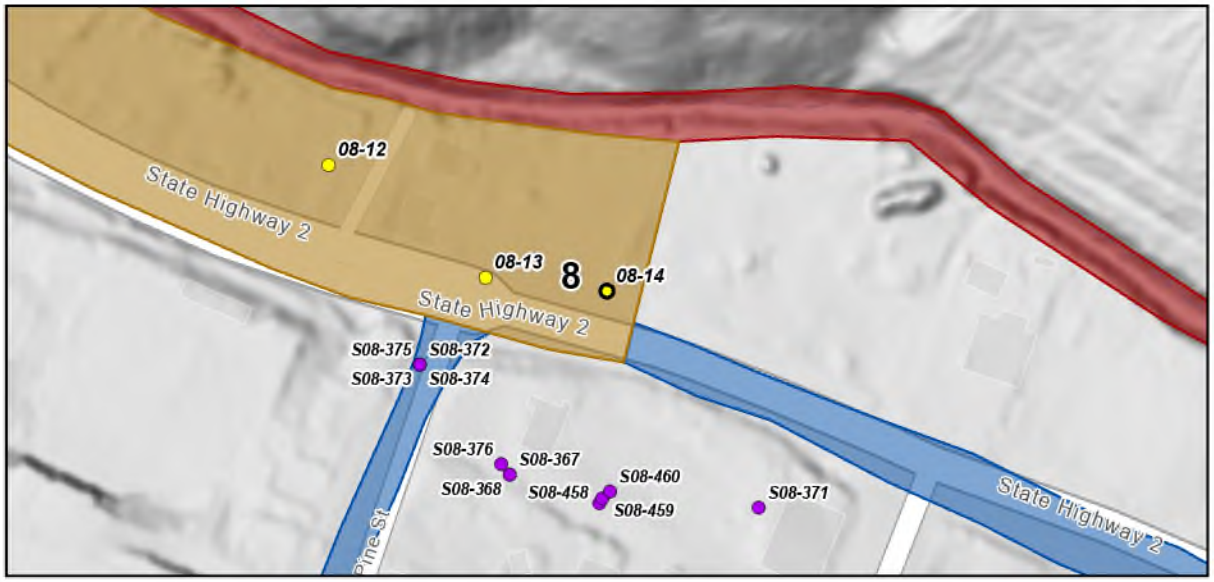


Appendix B
CGS Observation

08-14

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix B
CGS Observation

09-01

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix B
CGS Observation

09-02

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



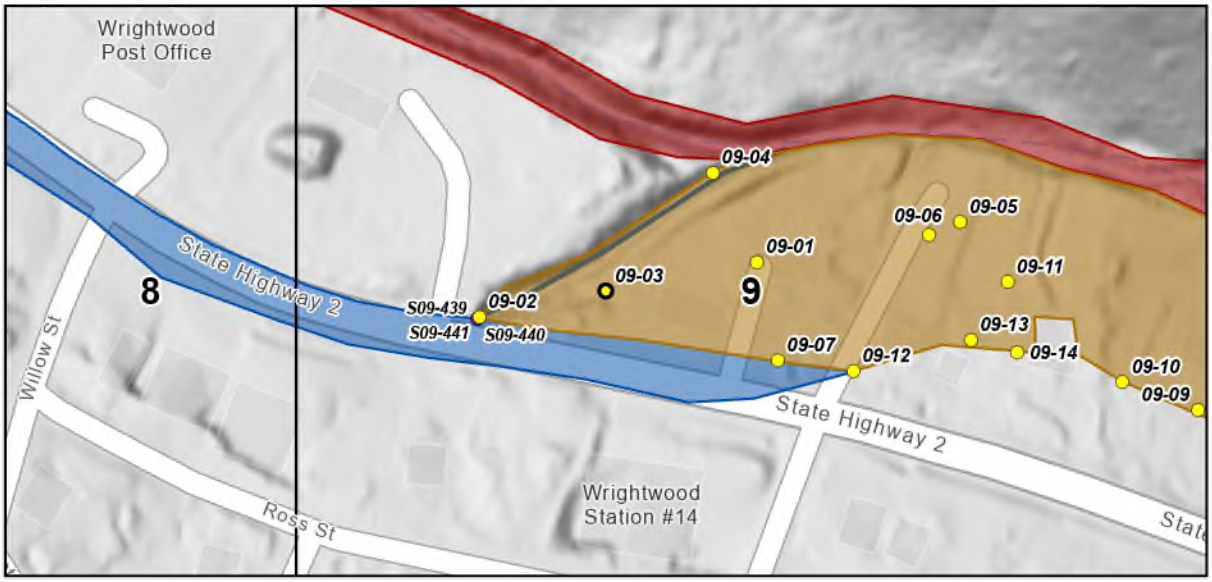


Appendix B
CGS Observation

09-03

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



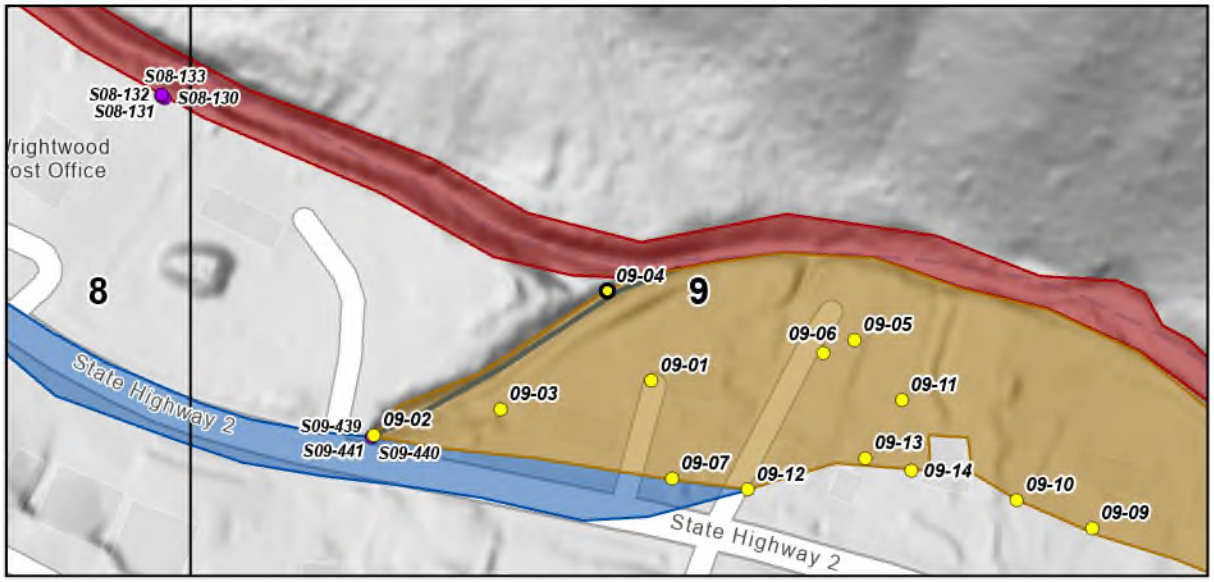


Appendix B
CGS Observation

09-04

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

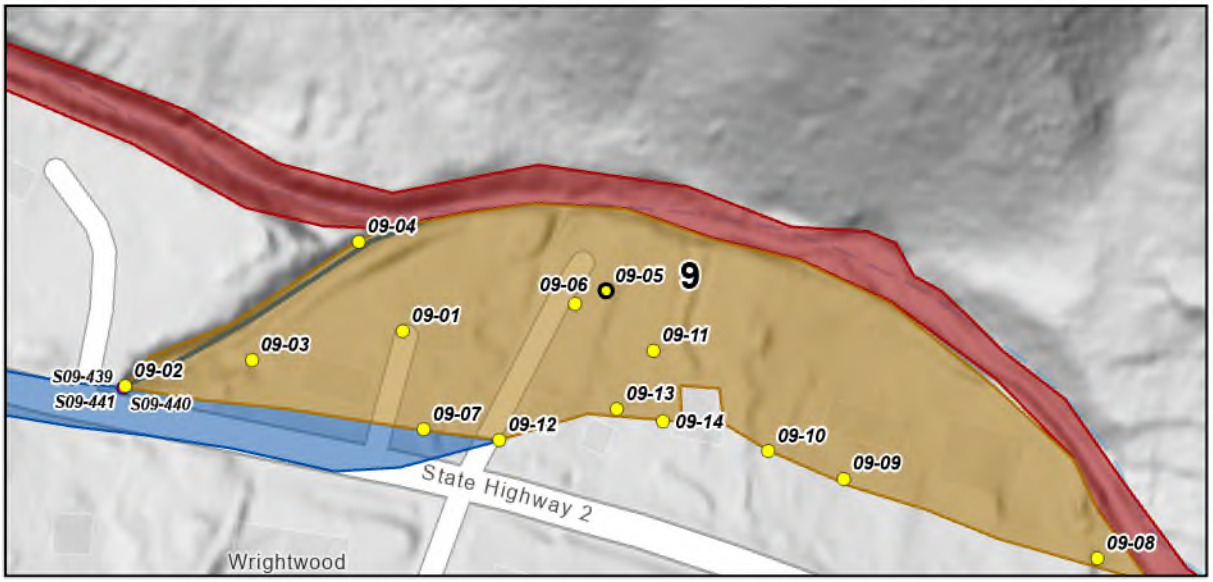
0 50 m





Appendix B
CGS Observation

09-05





Appendix B
CGS Observation

09-06





Appendix B
CGS Observation

09-07

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix B
CGS Observation

09-08

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

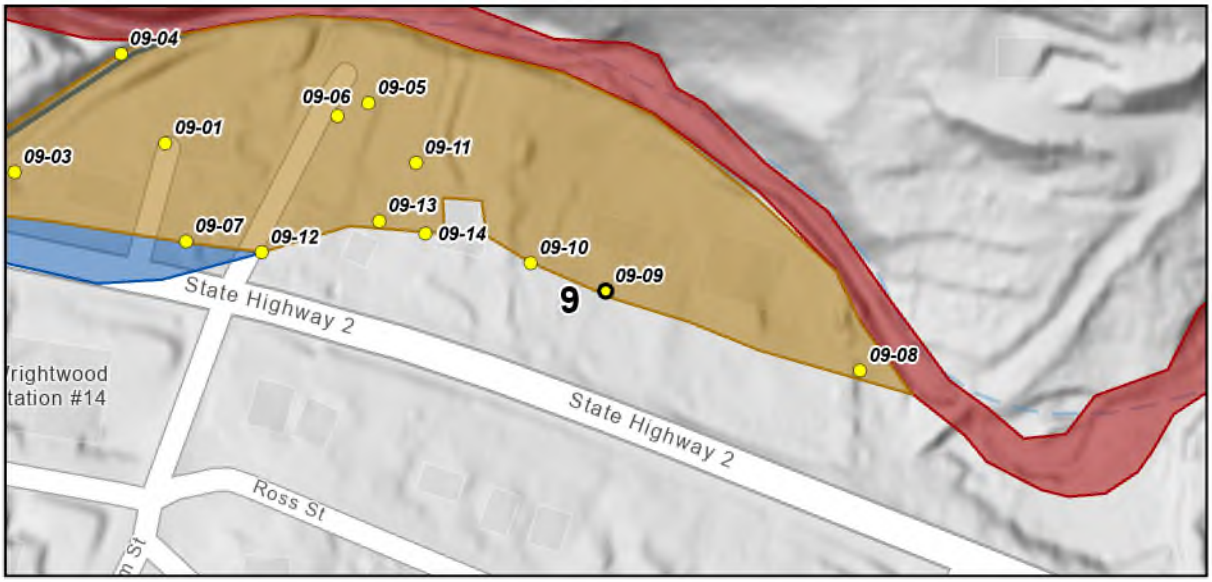
0 50 m





Appendix B
CGS Observation

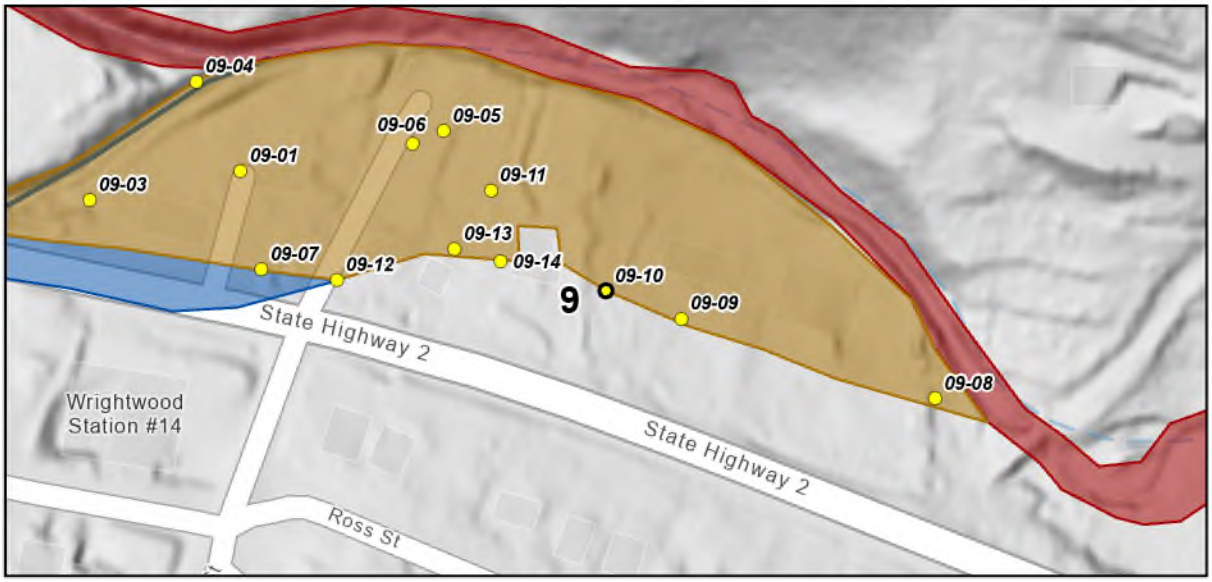
09-09





Appendix B
CGS Observation

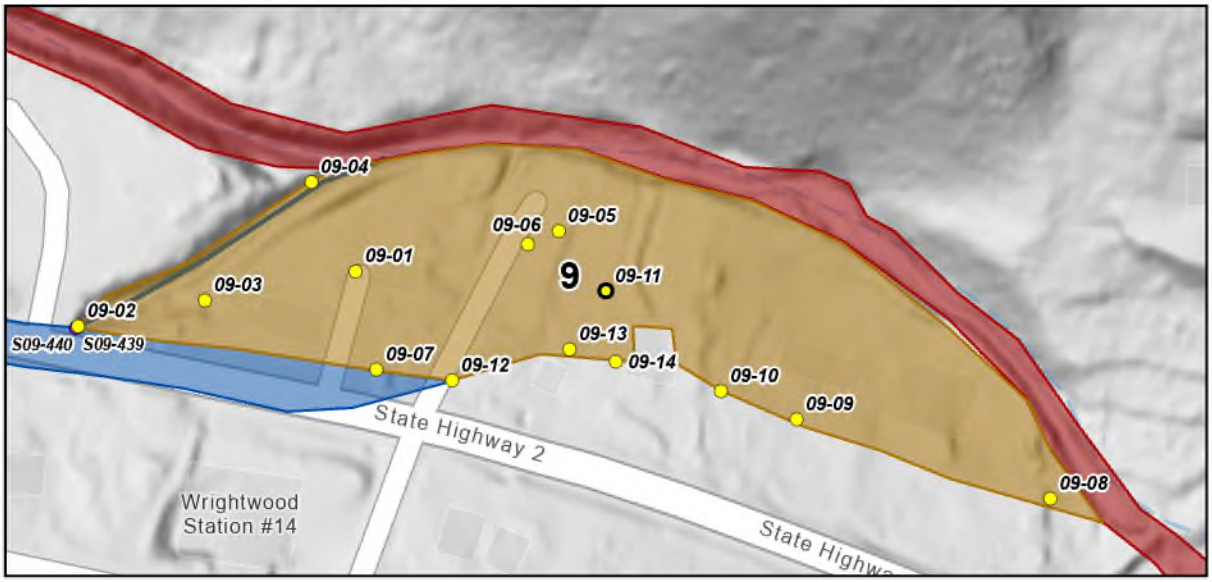
09-10





Appendix B
CGS Observation

09-11





Appendix B
CGS Observation

09-12

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix B
CGS Observation

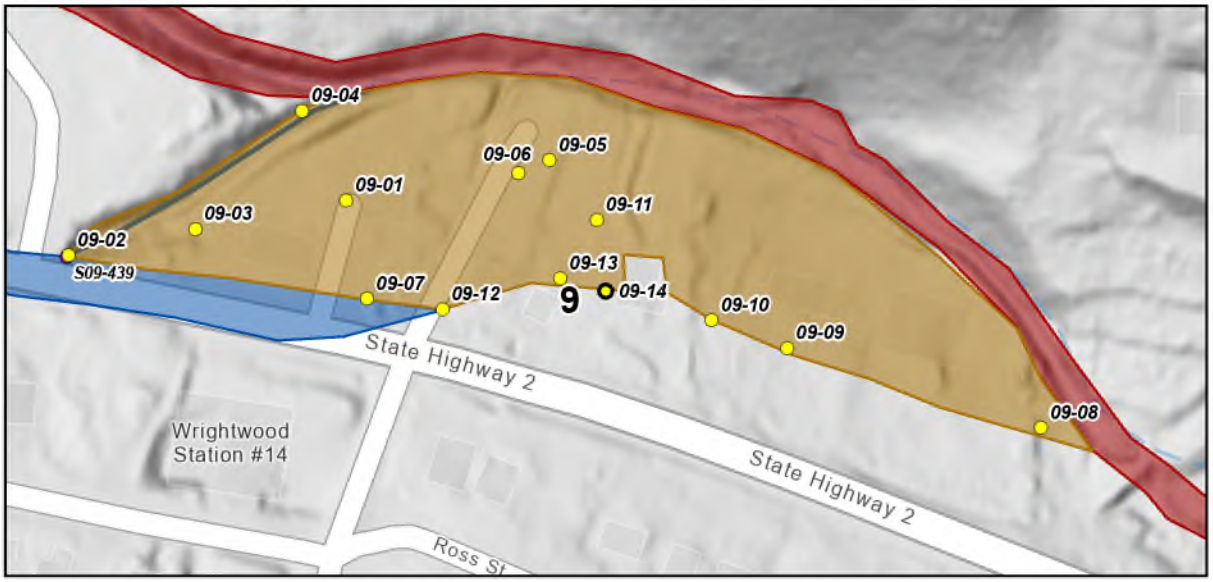
09-13





Appendix B
CGS Observation

09-14



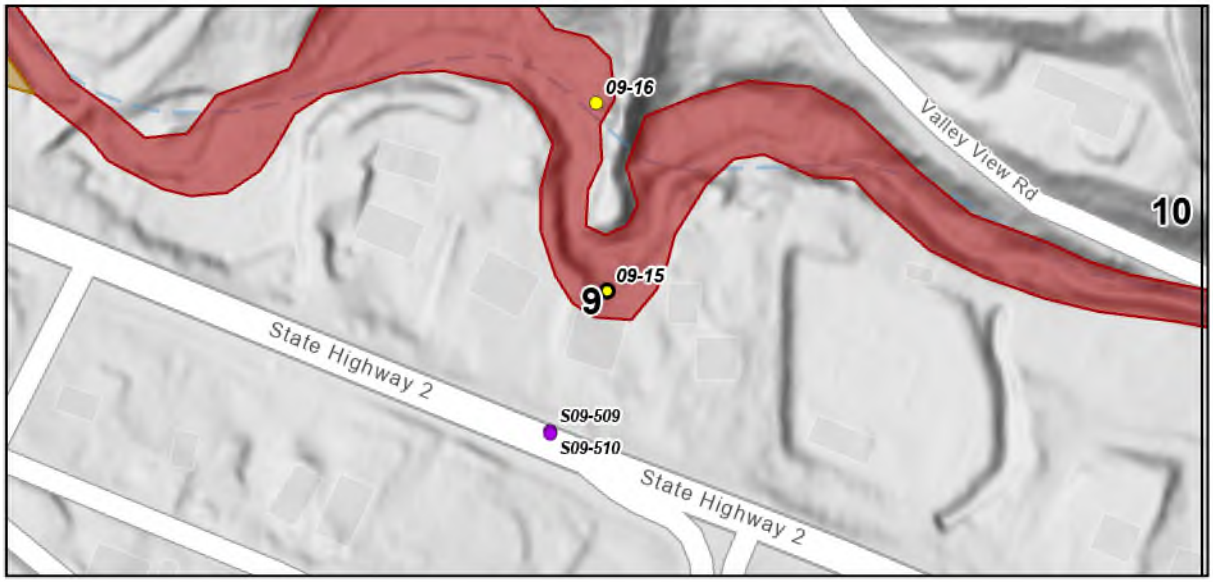


Appendix B
CGS Observation

09-15

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix B
CGS Observation

09-16

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



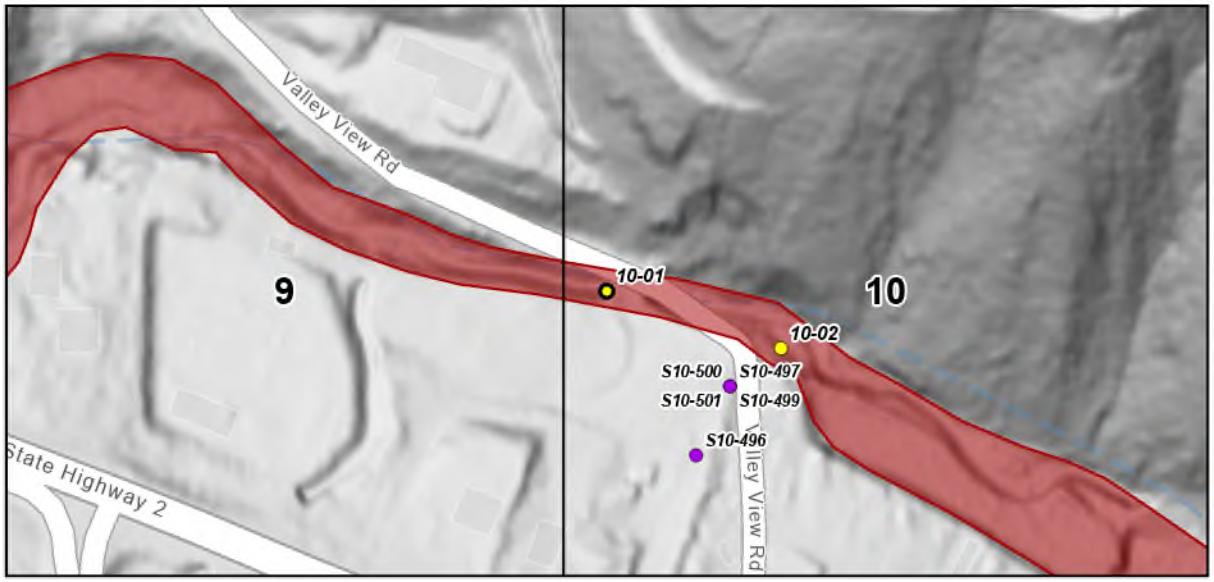


Appendix B
CGS Observation

10-01

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix B
CGS Observation

10-02



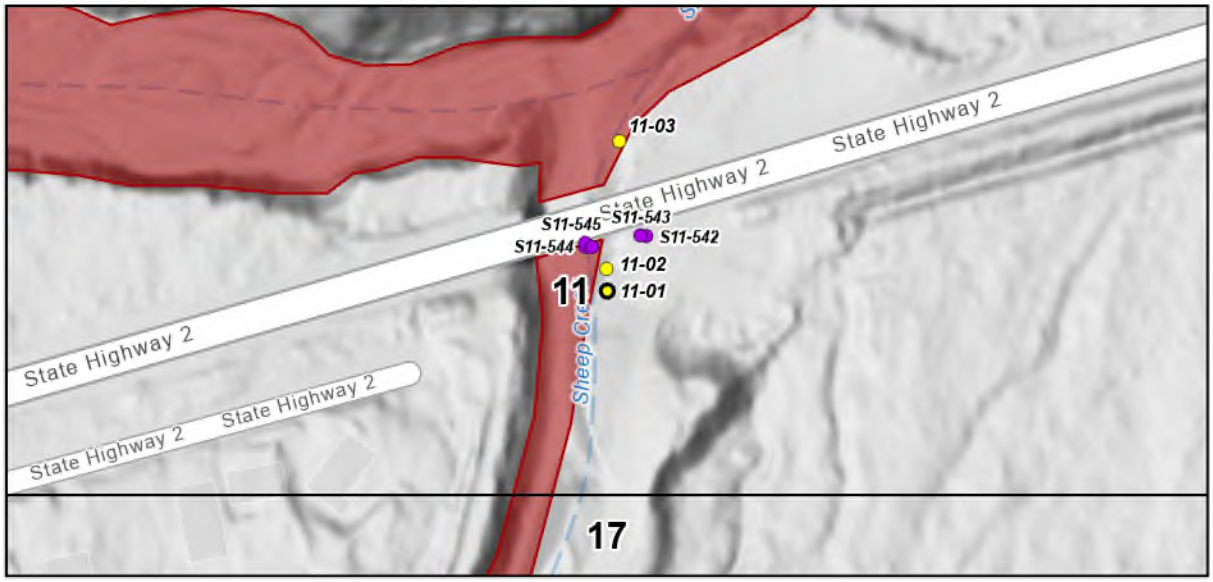


Appendix B
CGS Observation

11-01

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



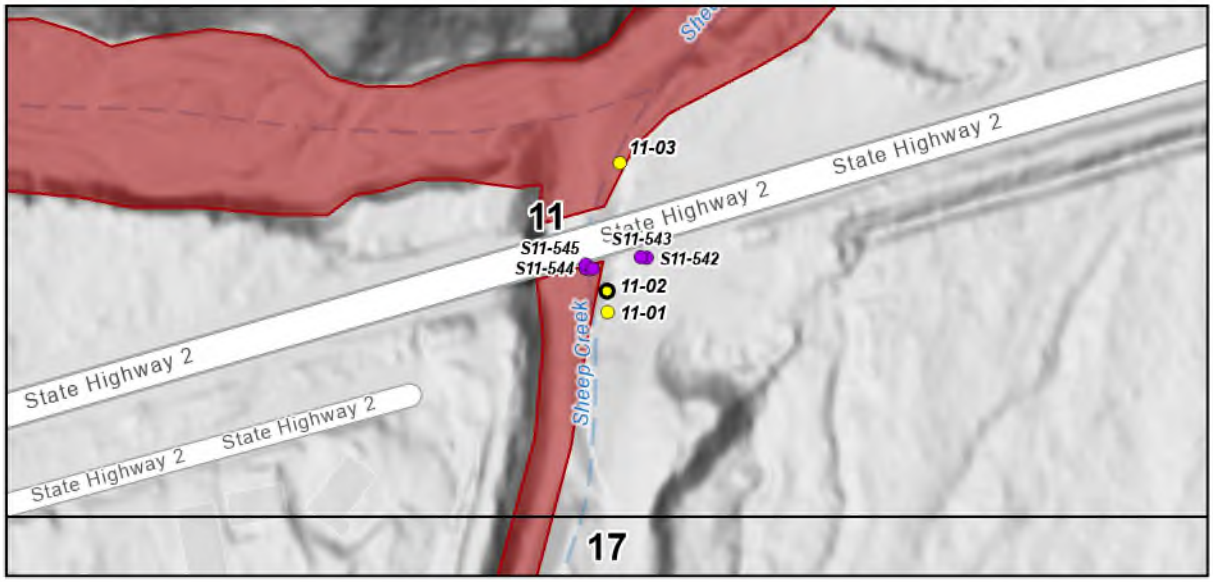


Appendix B
CGS Observation

11-02

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



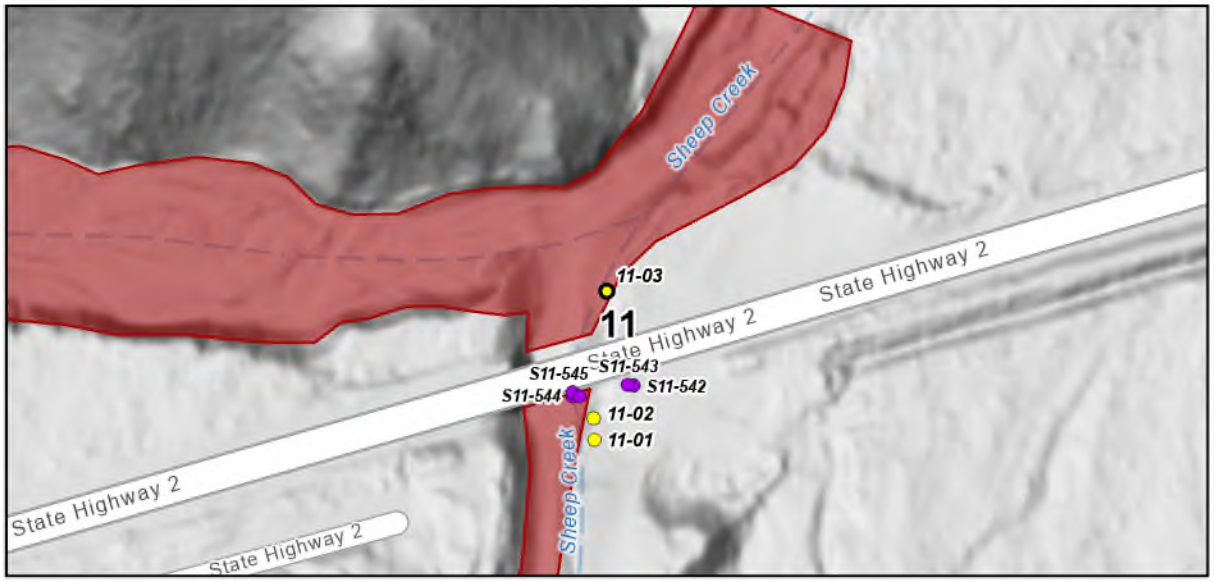


Appendix B
CGS Observation

11-03

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



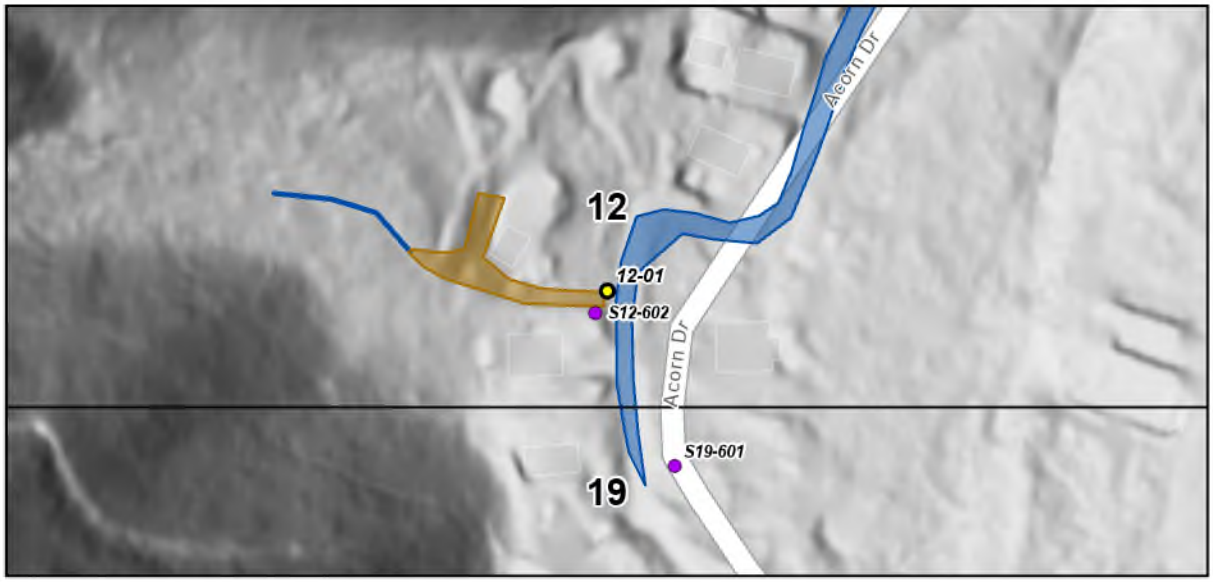


Appendix B
CGS Observation

12-01

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



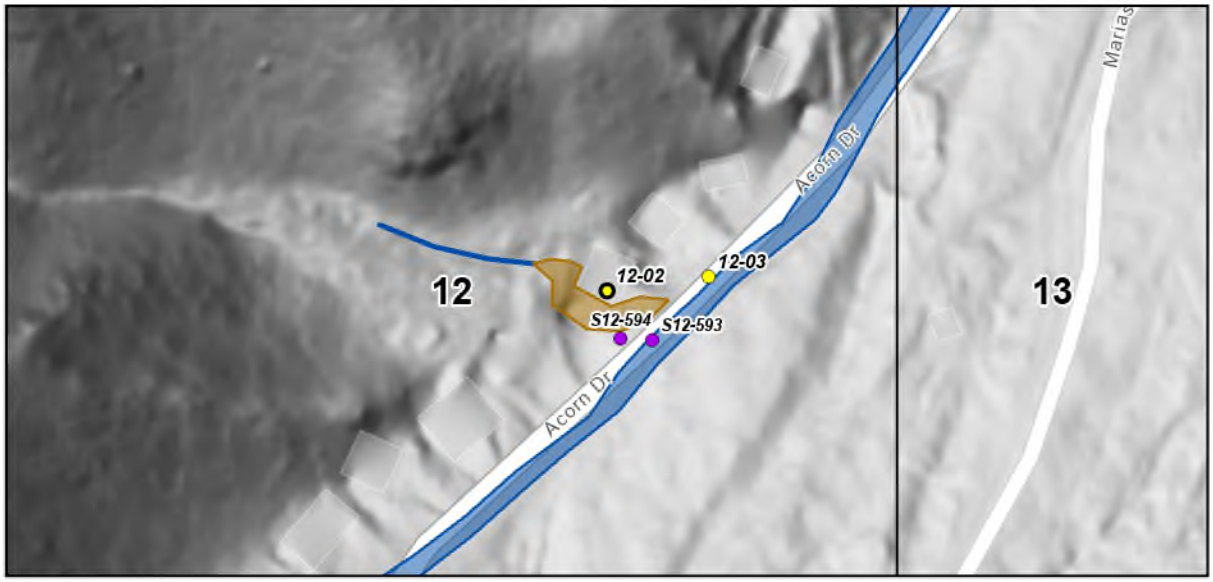


Appendix B
CGS Observation

12-02

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

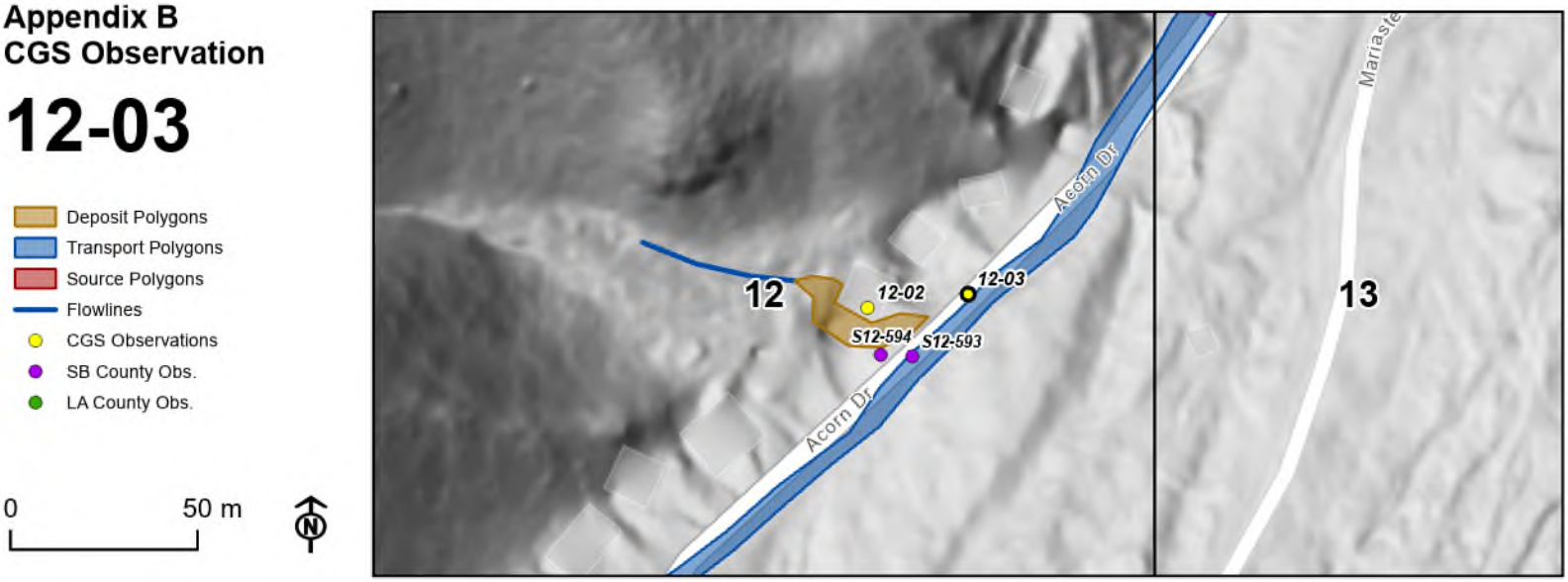
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Appendix B
CGS Observation

12-03



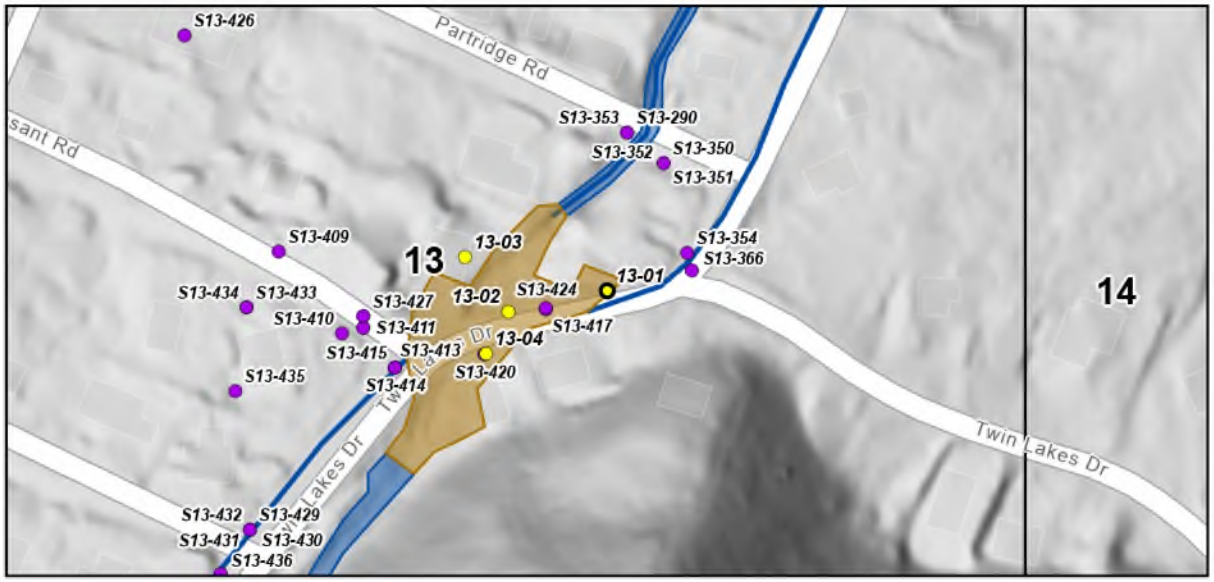


Appendix B
CGS Observation

13-01

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

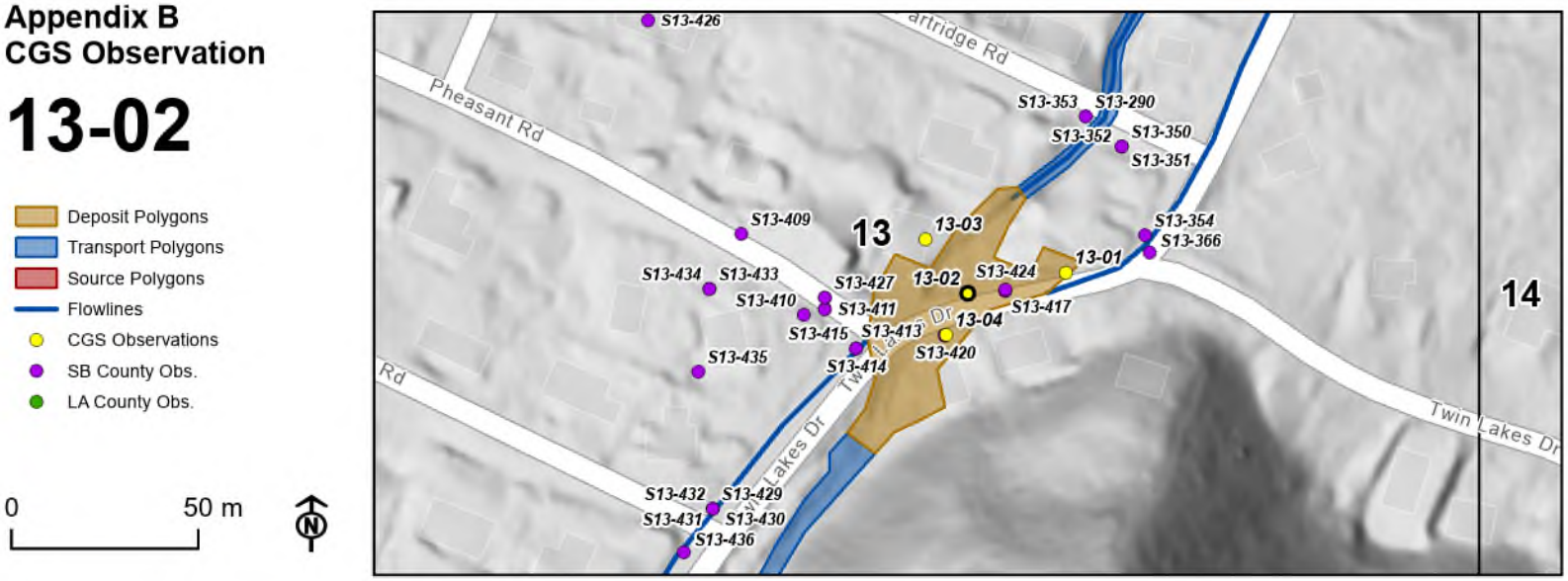
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Appendix B
CGS Observation

13-02



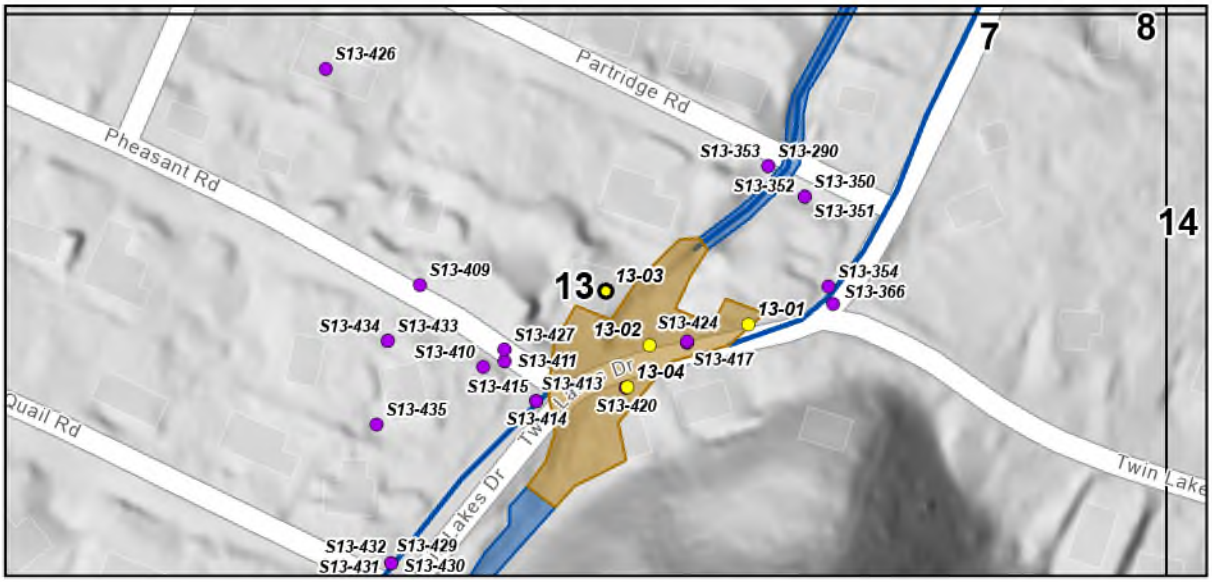


Appendix B
CGS Observation

13-03

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



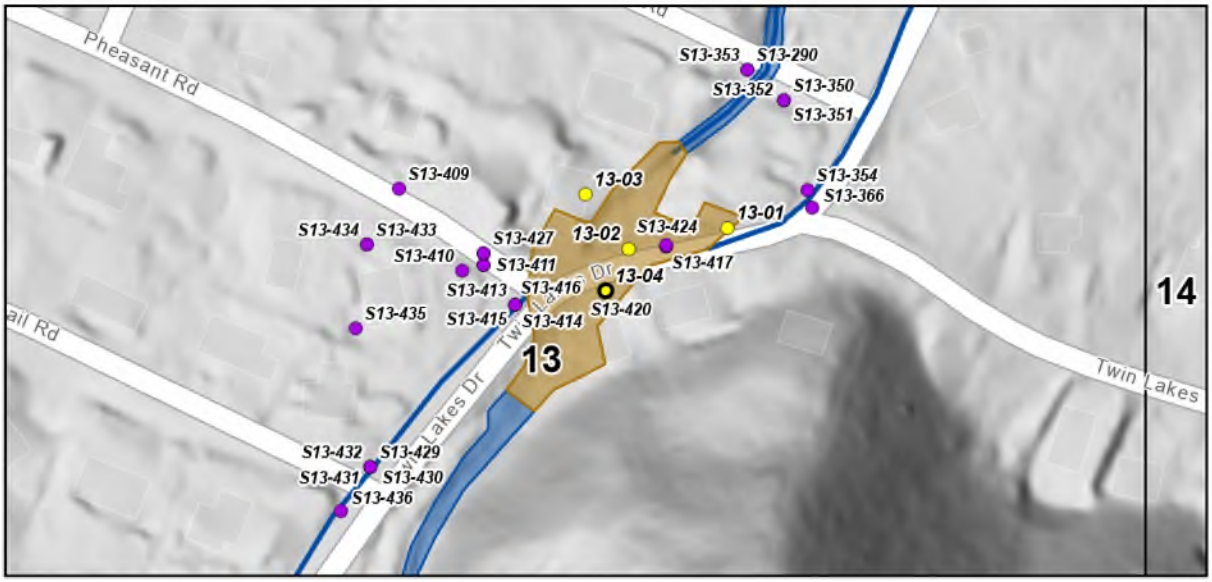


Appendix B
CGS Observation

13-04

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix B
CGS Observation

13-05

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix B
CGS Observation

13-06

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

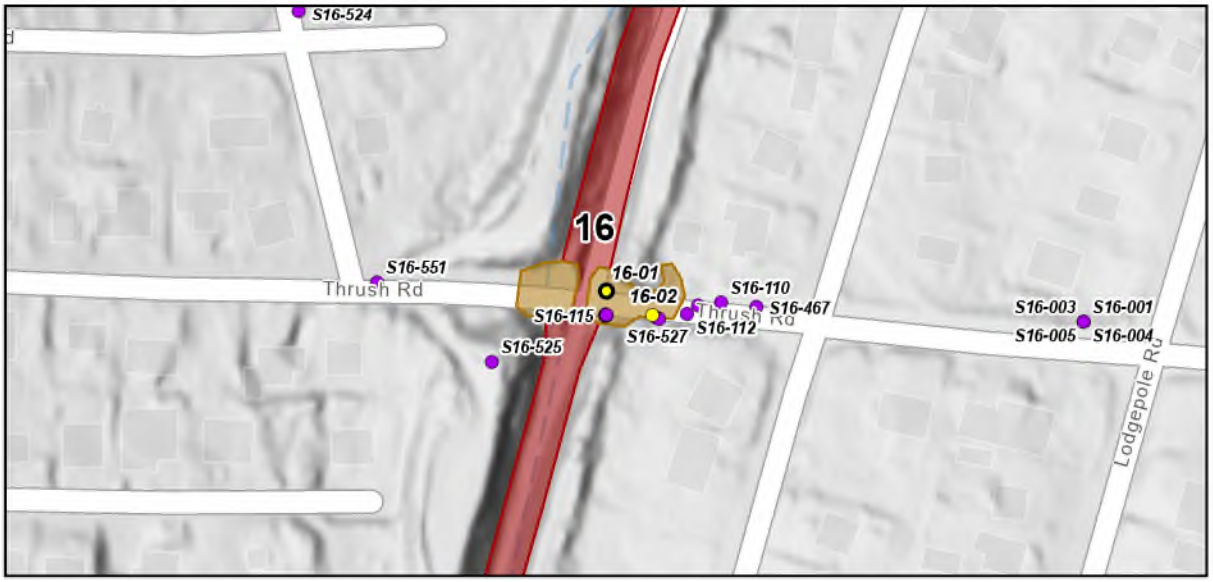
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Appendix B
CGS Observation

16-01



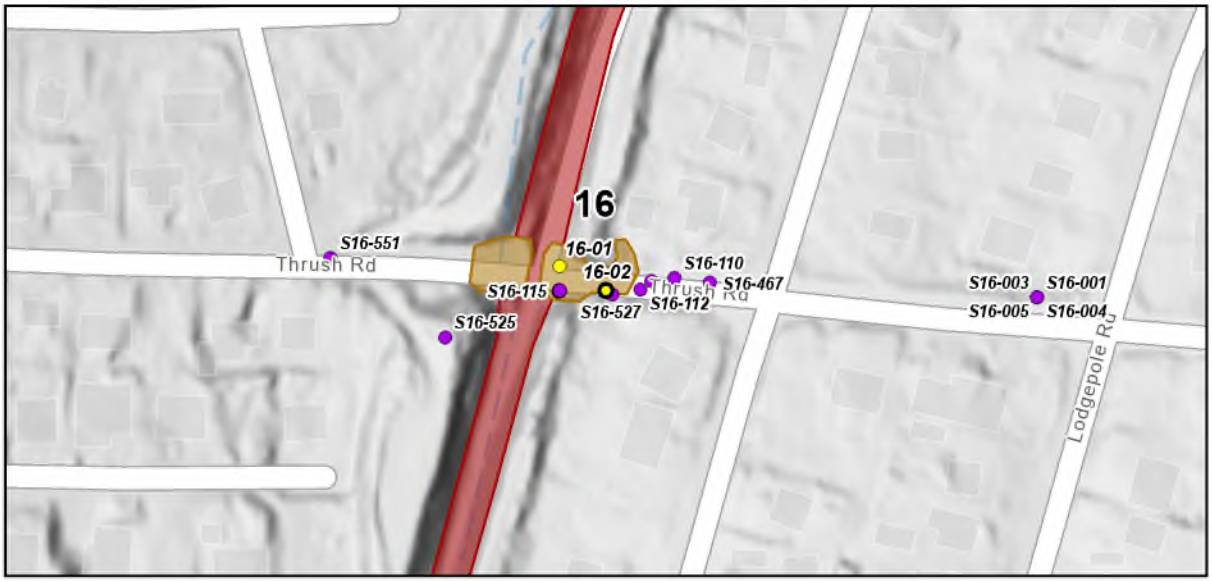


Appendix B
CGS Observation

16-02

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



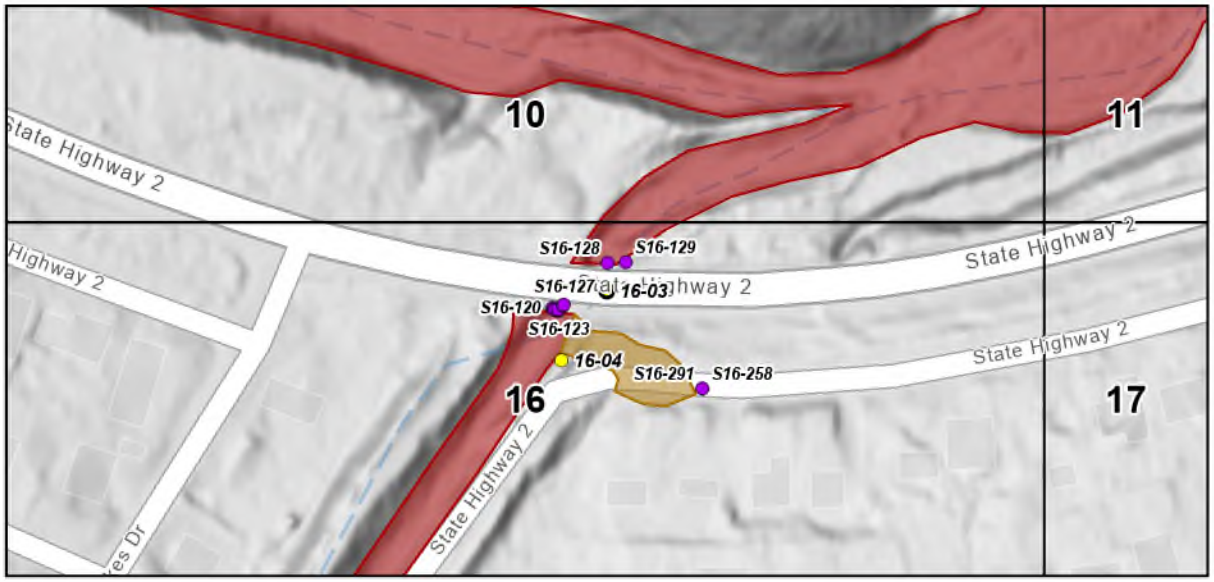


Appendix B
CGS Observation

16-03

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



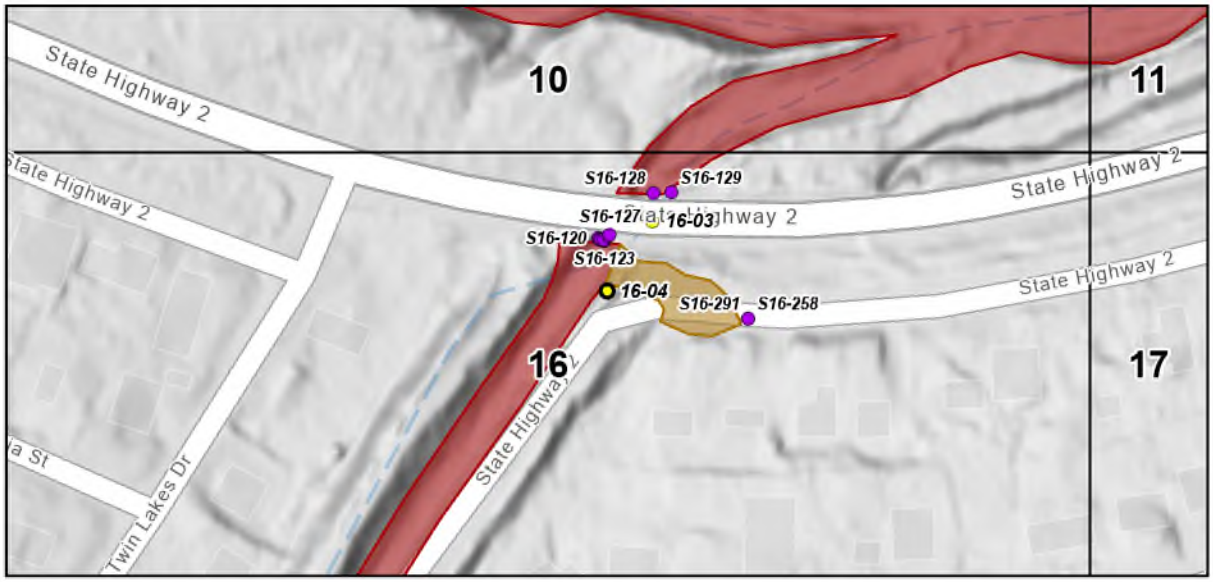


Appendix B
CGS Observation

16-04

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix B
CGS Observation

22-01



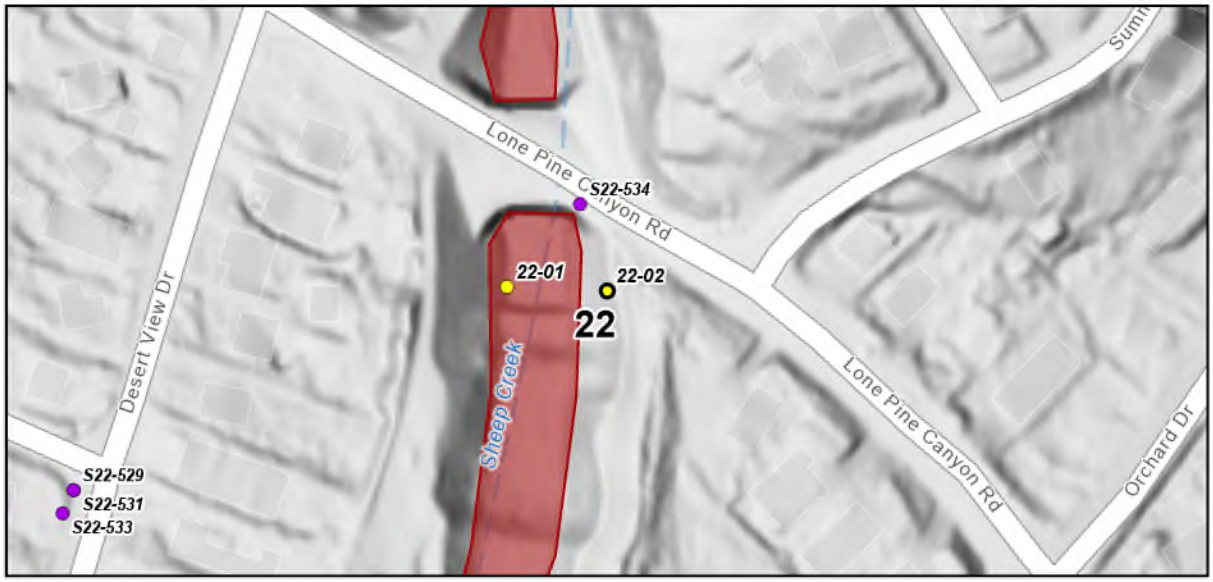


Appendix B
CGS Observation

22-02

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





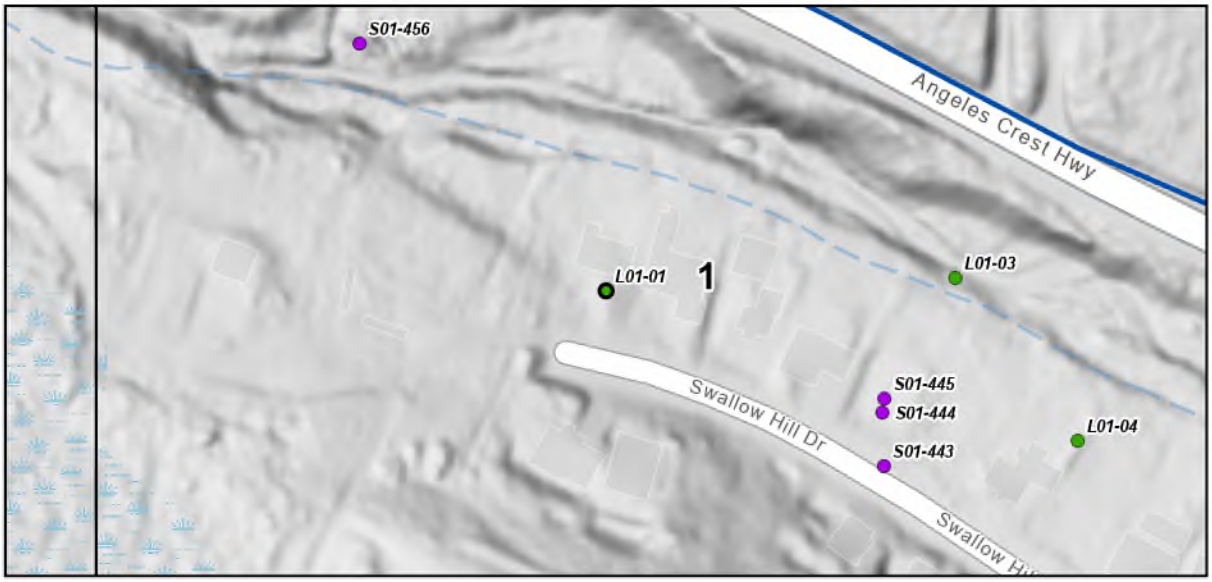
Appendix C – Photo detail pages (Los Angeles County observations)

Appendix C
LA County Obs.

L01-01

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



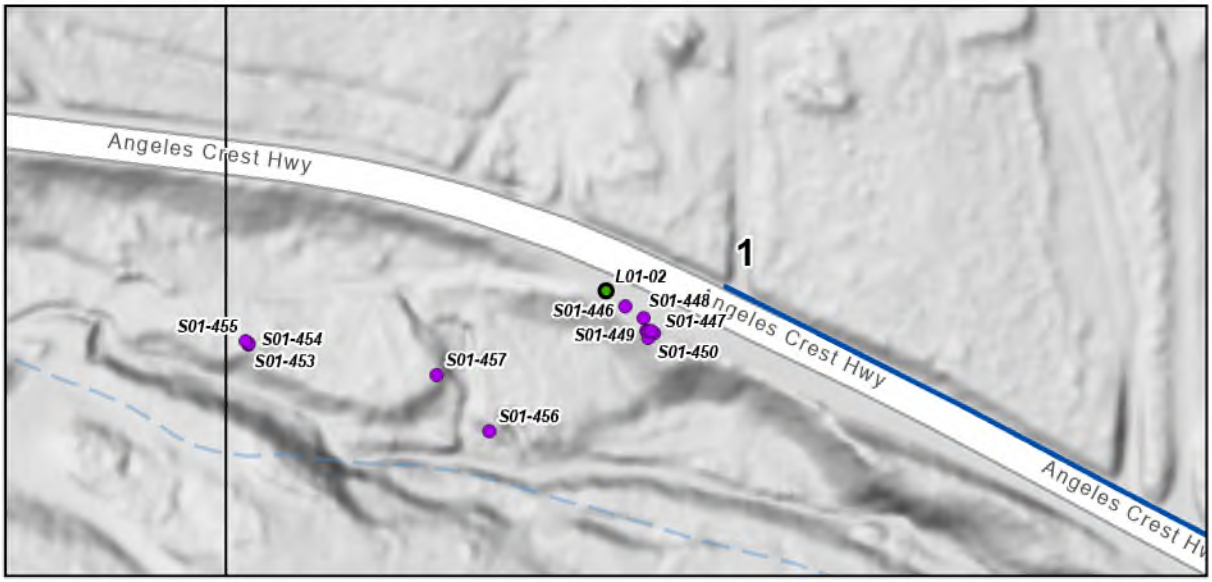


Appendix C
LA County Obs.

L01-02

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix C
LA County Obs.

L01-03

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



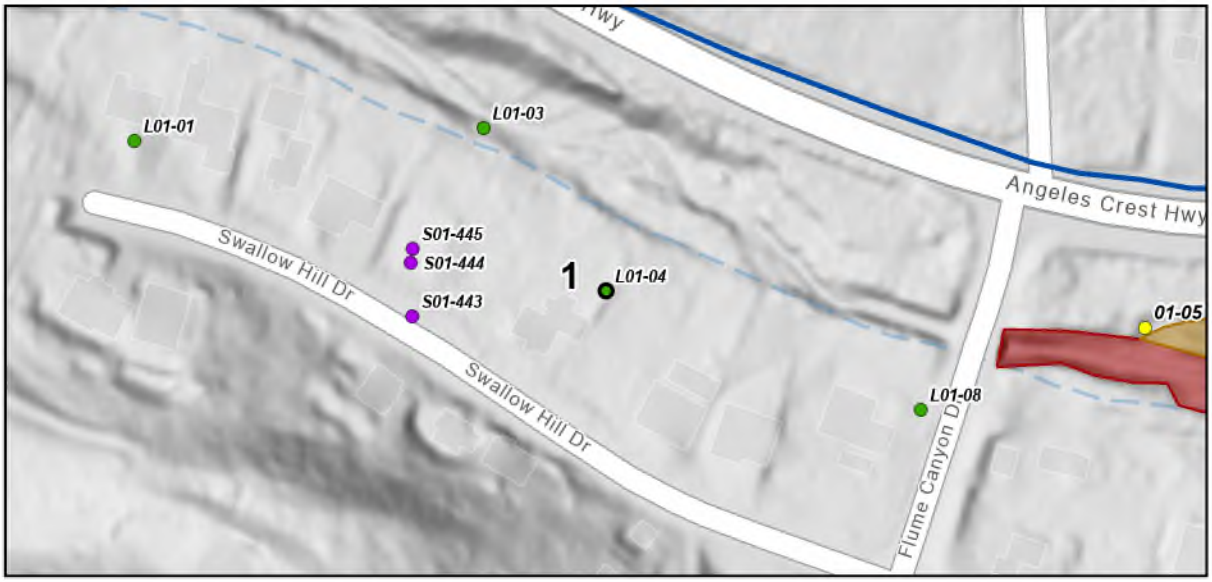


Appendix C
LA County Obs.

L01-04

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix C
LA County Obs.

L01-05

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix C
LA County Obs.

L01-06

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix C
LA County Obs.

L01-07

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix C
LA County Obs.

L01-08

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix C
LA County Obs.

L05-01

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix C
LA County Obs.

L05-02

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



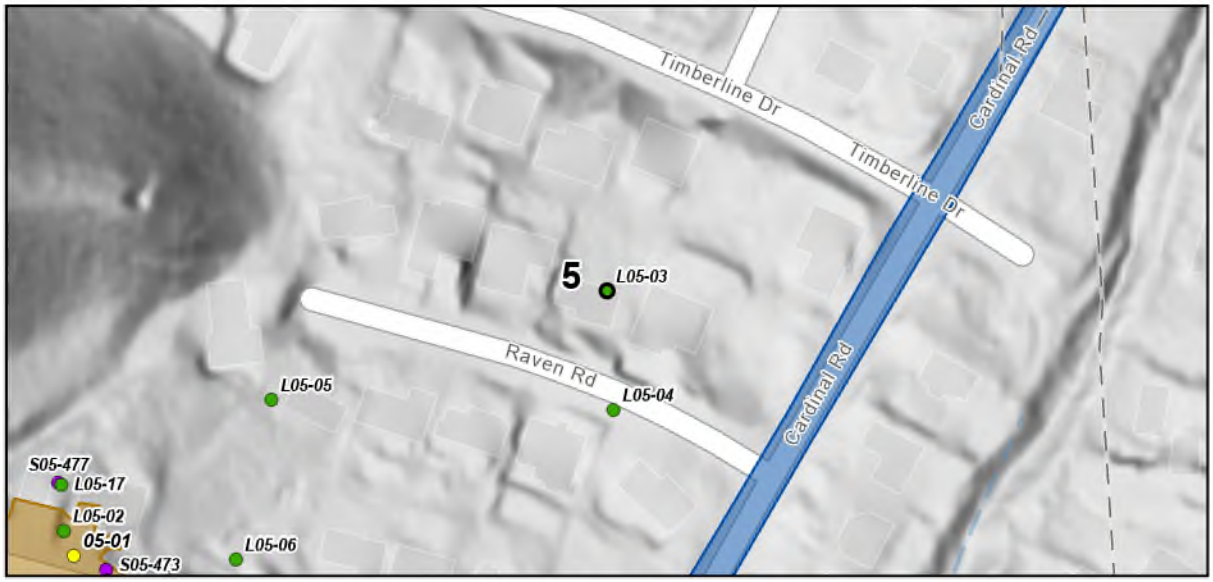


Appendix C
LA County Obs.

L05-03

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



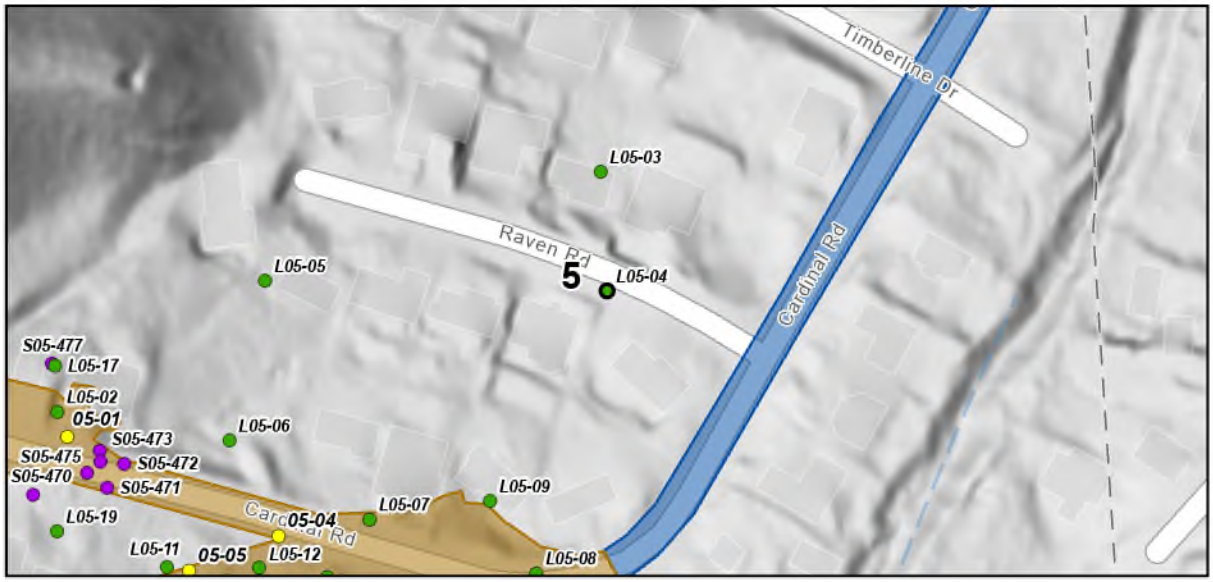


Appendix C
LA County Obs.

L05-04

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



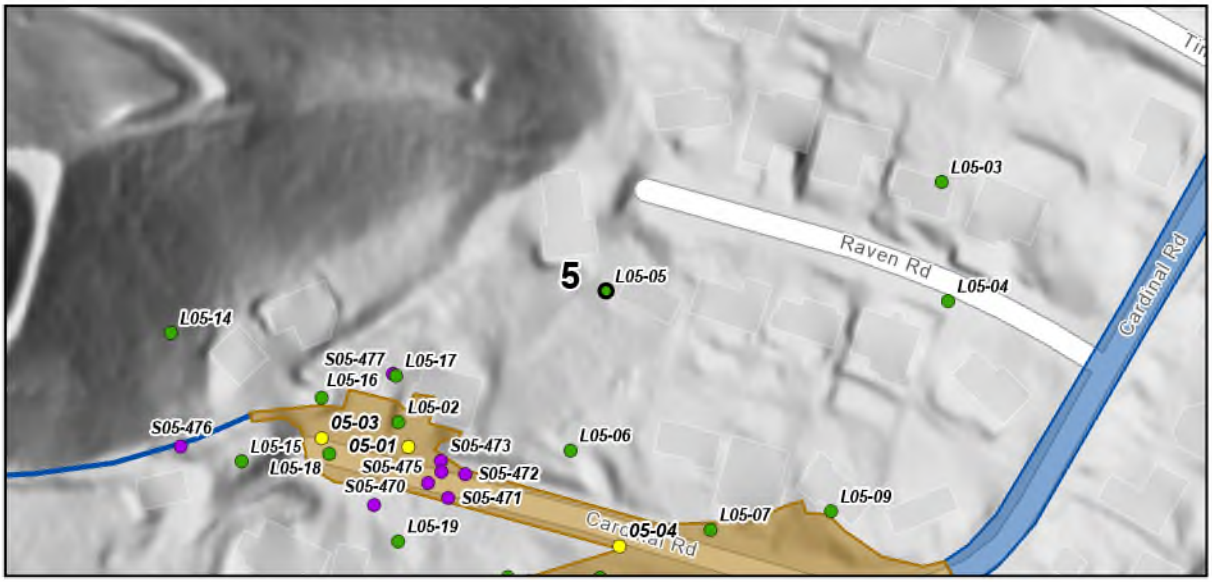


Appendix C
LA County Obs.

L05-05

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



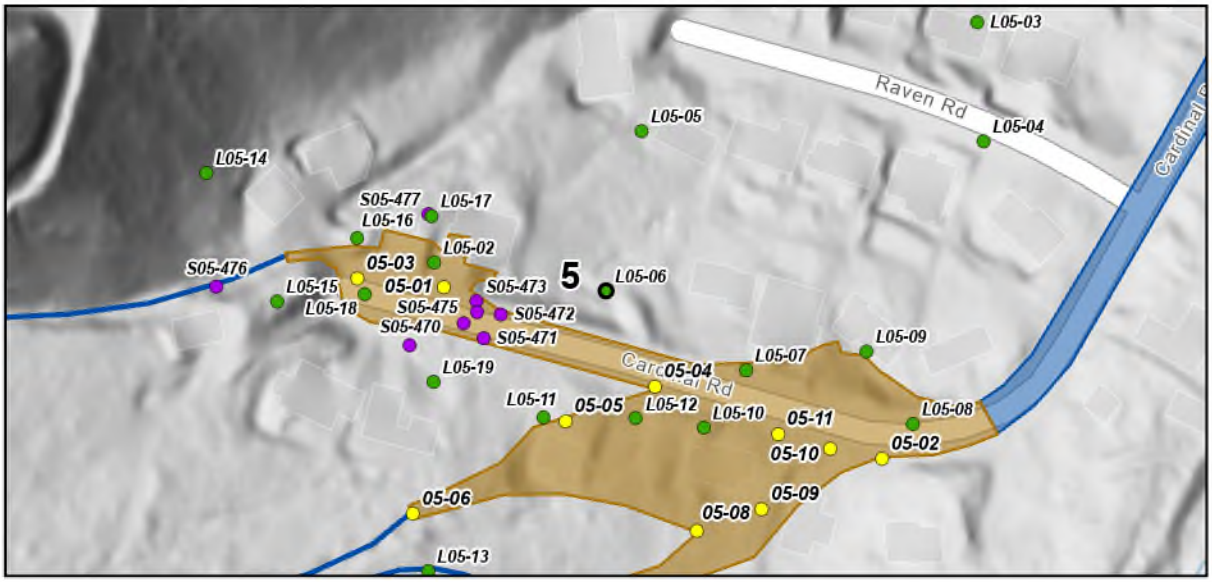


Appendix C
LA County Obs.

L05-06

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



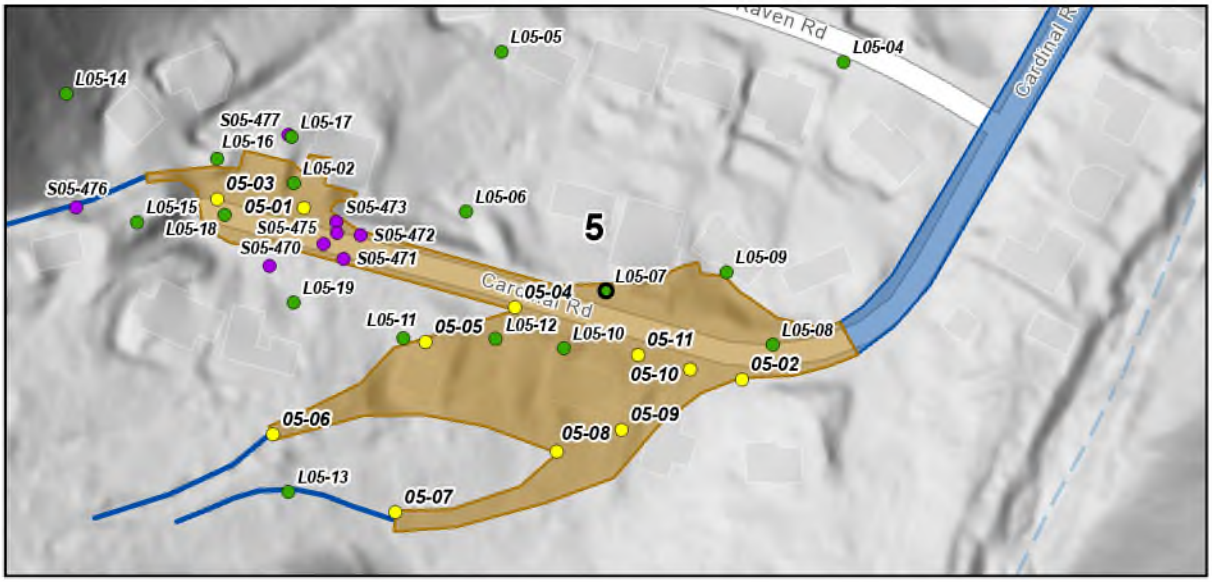


Appendix C
LA County Obs.

L05-07

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



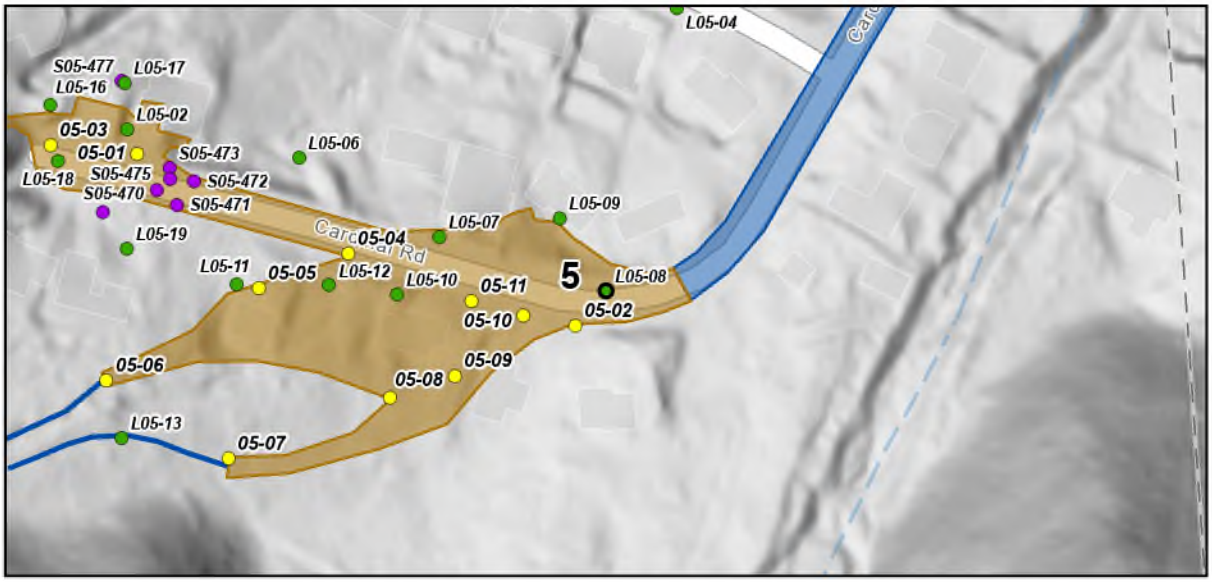


Appendix C
LA County Obs.

L05-08

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



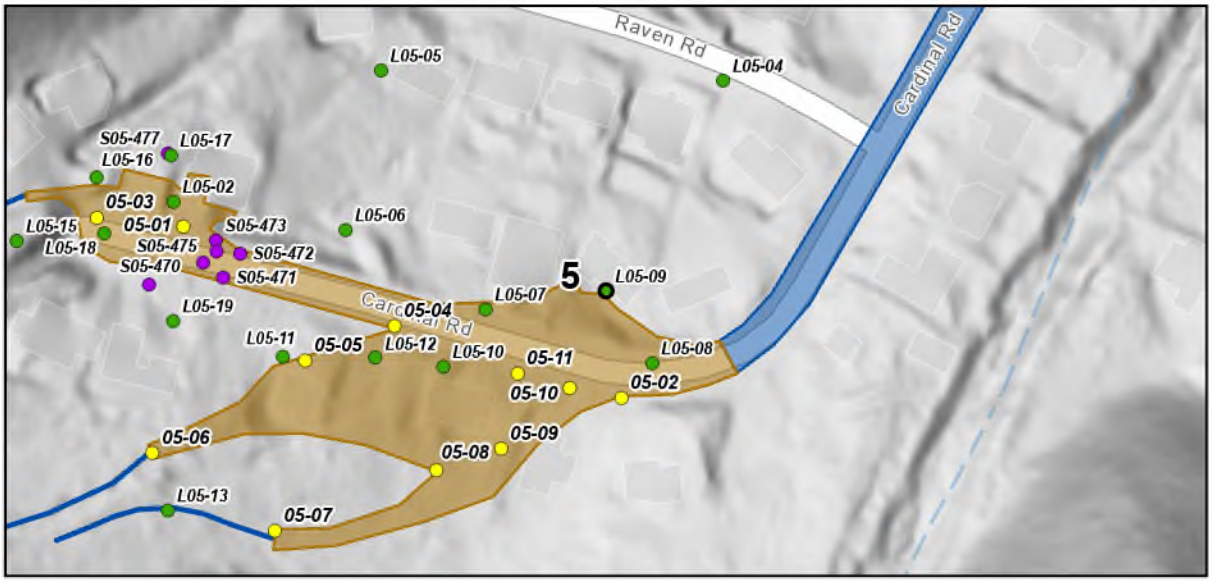


Appendix C
LA County Obs.

L05-09

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



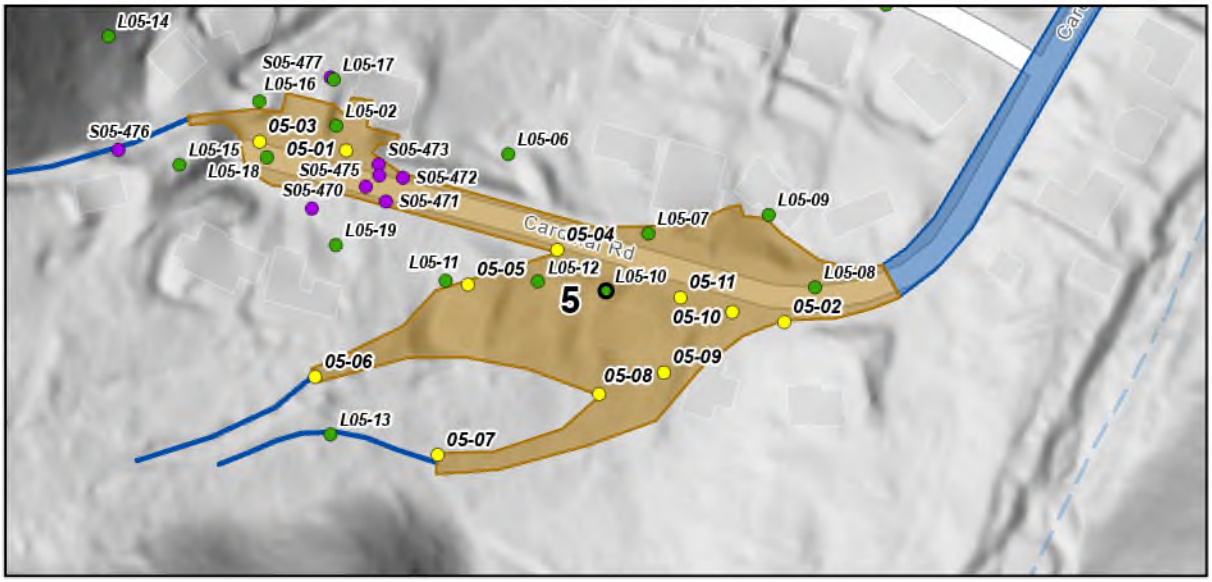


Appendix C
LA County Obs.

L05-10

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



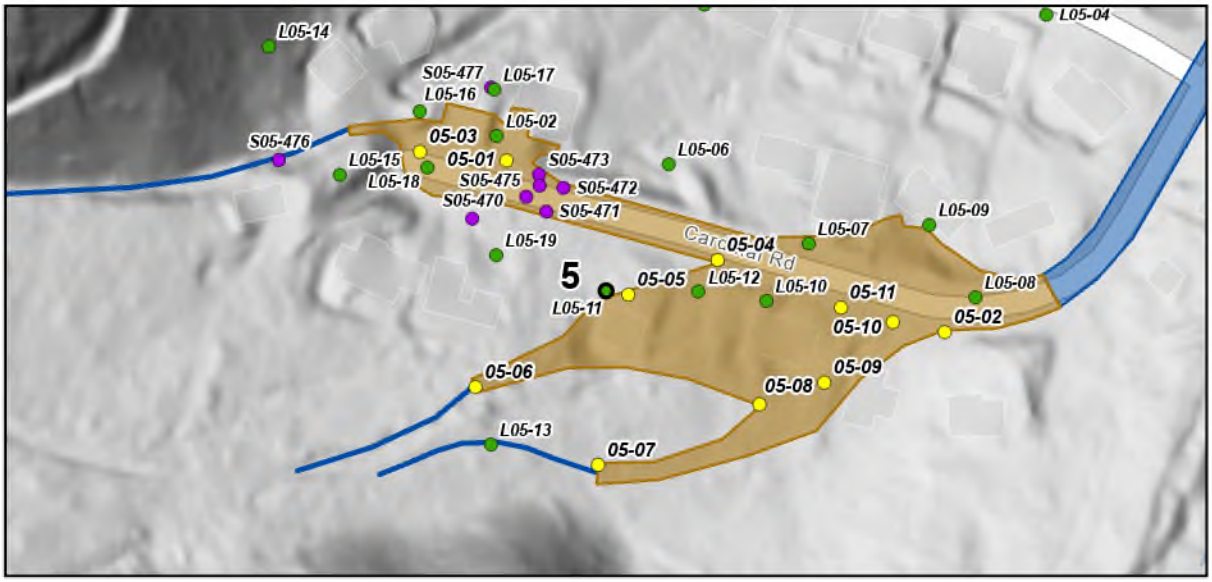


Appendix C
LA County Obs.

L05-11

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



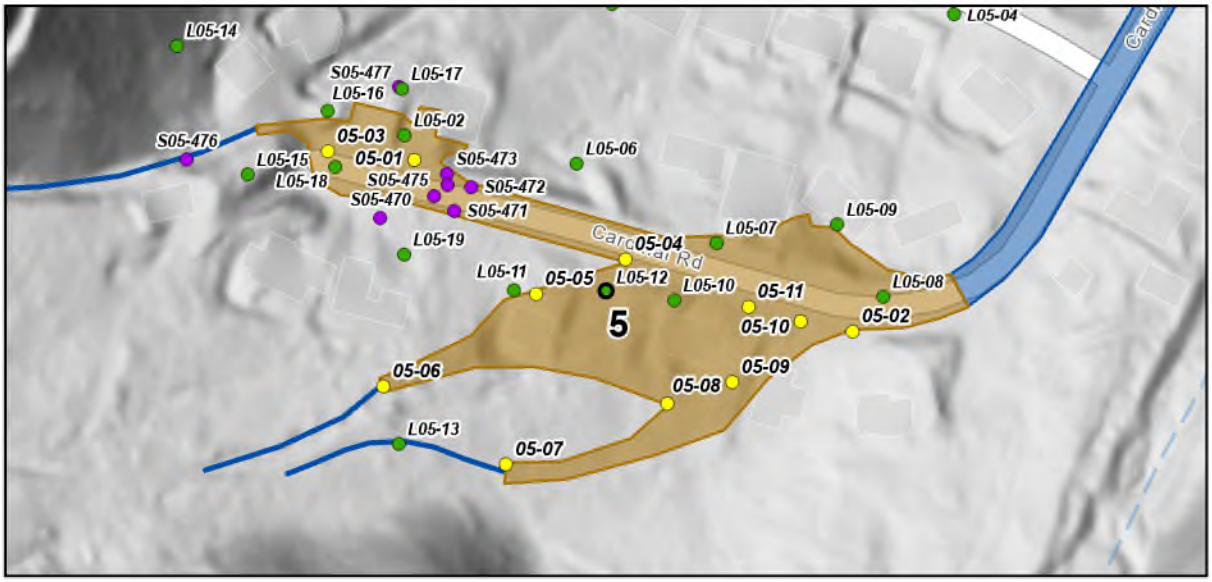


Appendix C
LA County Obs.

L05-12

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



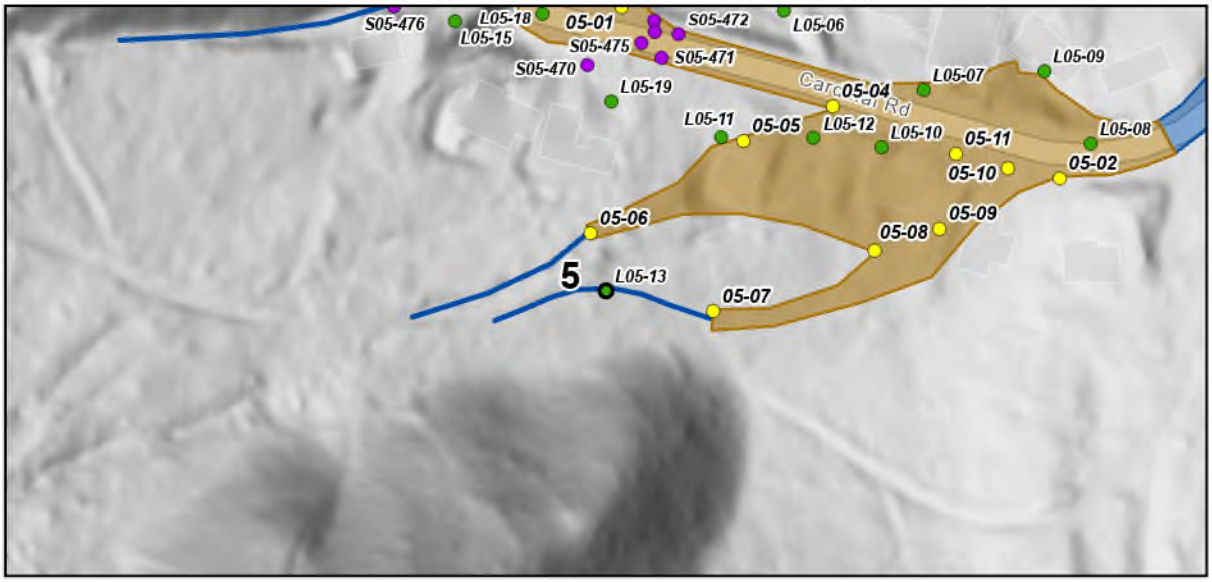


Appendix C
LA County Obs.

L05-13

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix C
LA County Obs.

L05-14

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



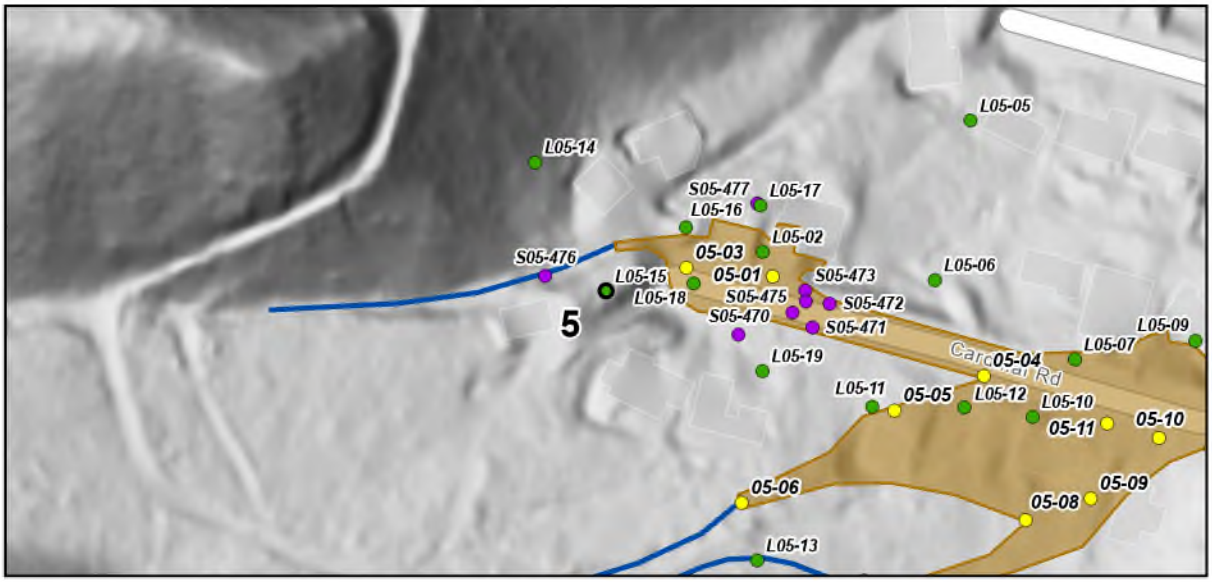


Appendix C
LA County Obs.

L05-15

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



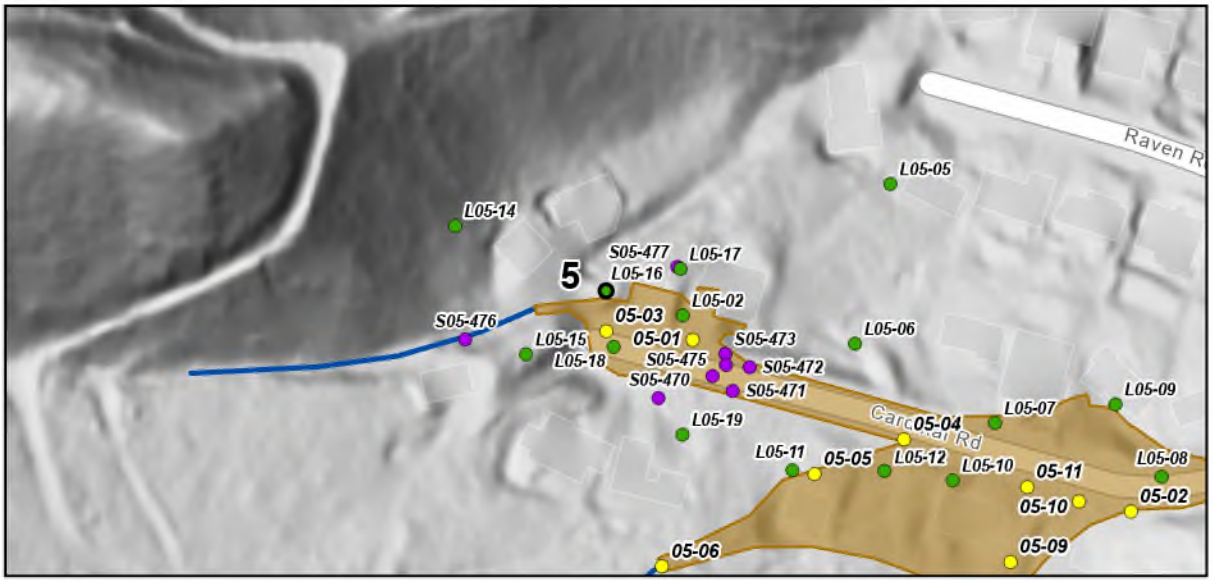


Appendix C
LA County Obs.

L05-16

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



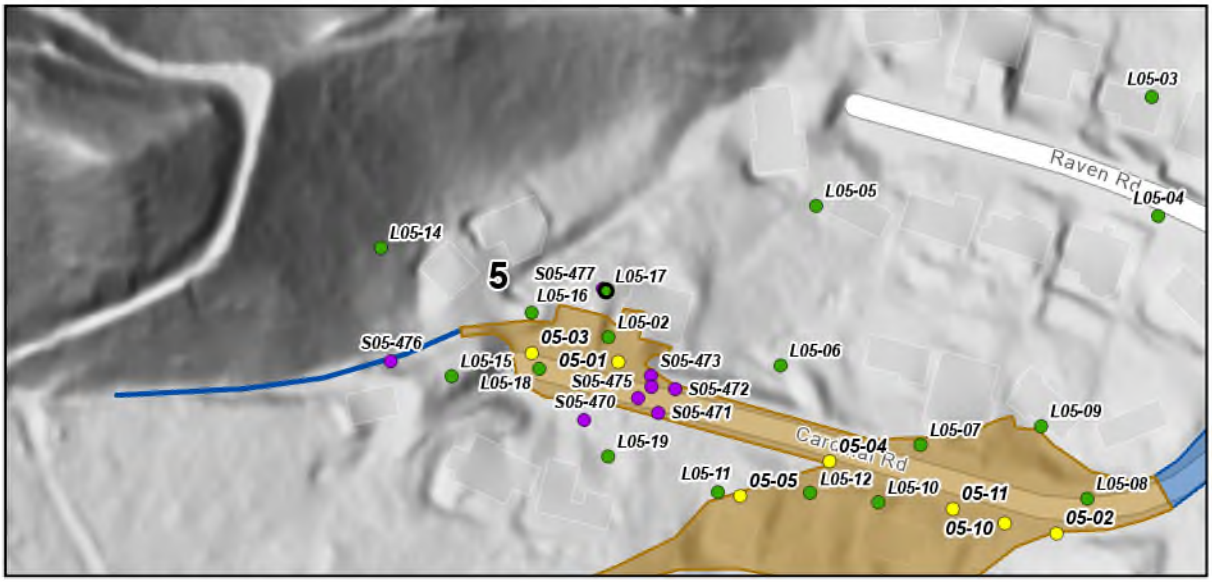


Appendix C
LA County Obs.

L05-17

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



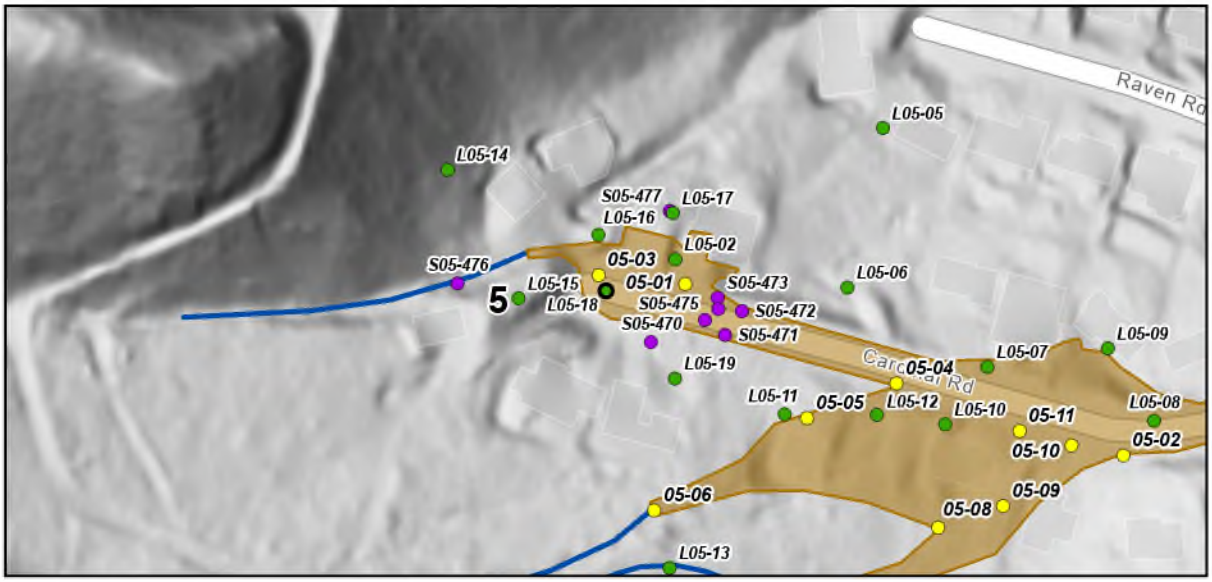


Appendix C
LA County Obs.

L05-18

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



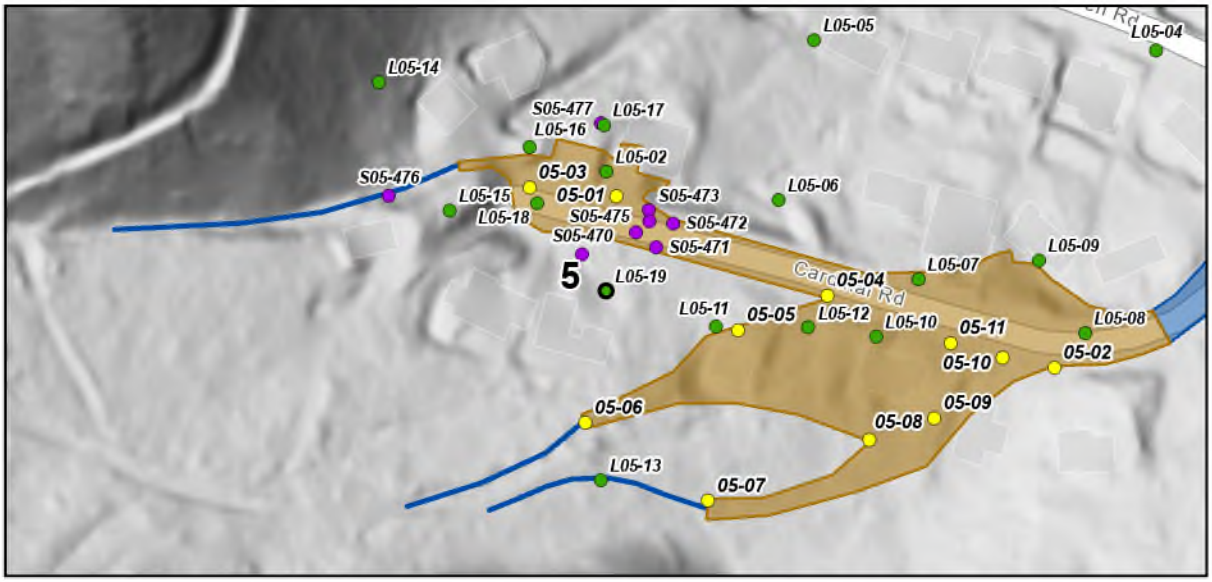


Appendix C
LA County Obs.

L05-19

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix C
LA County Obs.

L05-20

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





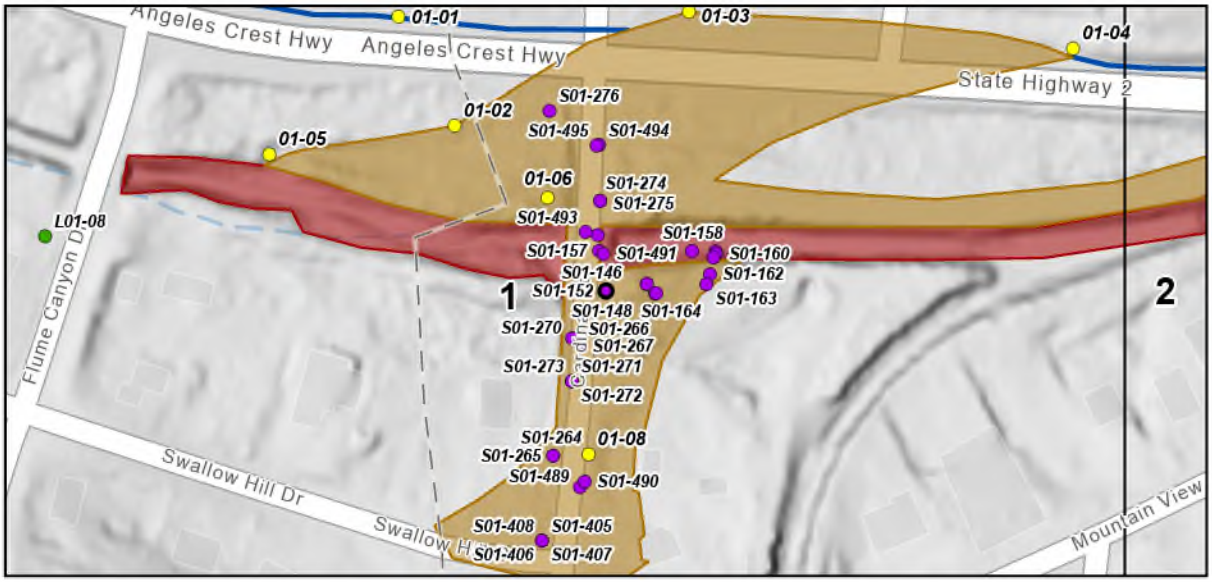
Appendix D – Photo detail pages (San Bernardino County observations)

Appendix D
SB County Obs.

S01-146

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

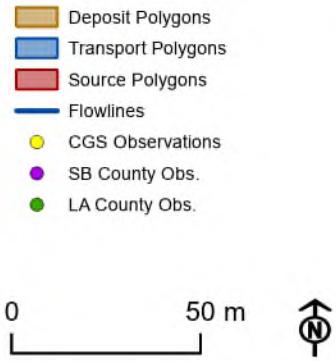
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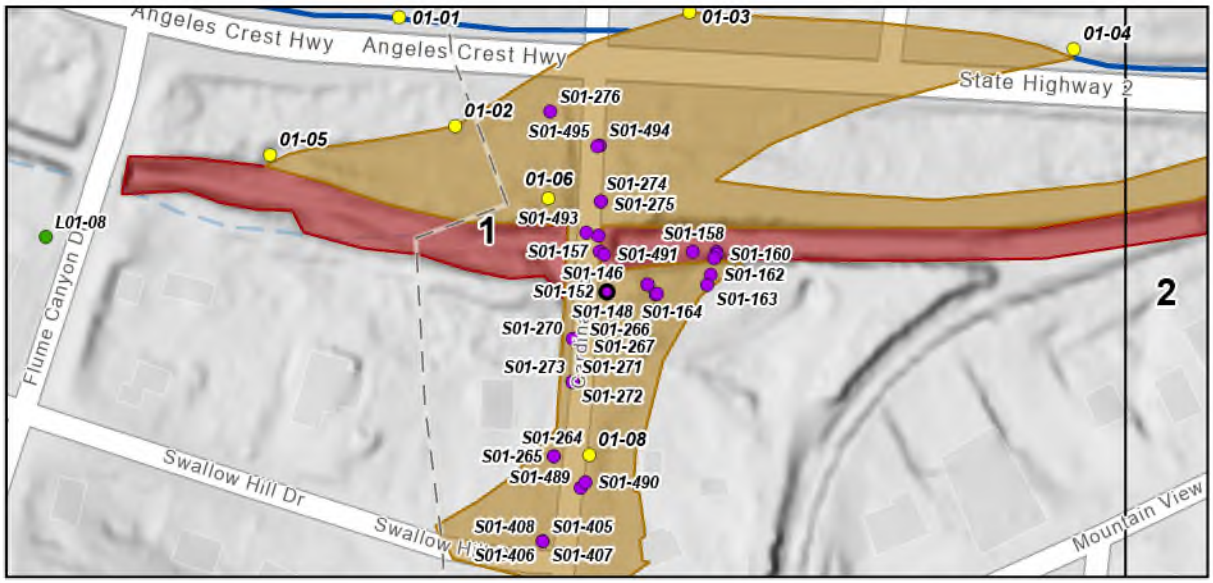




Appendix D
SB County Obs.

S01-147





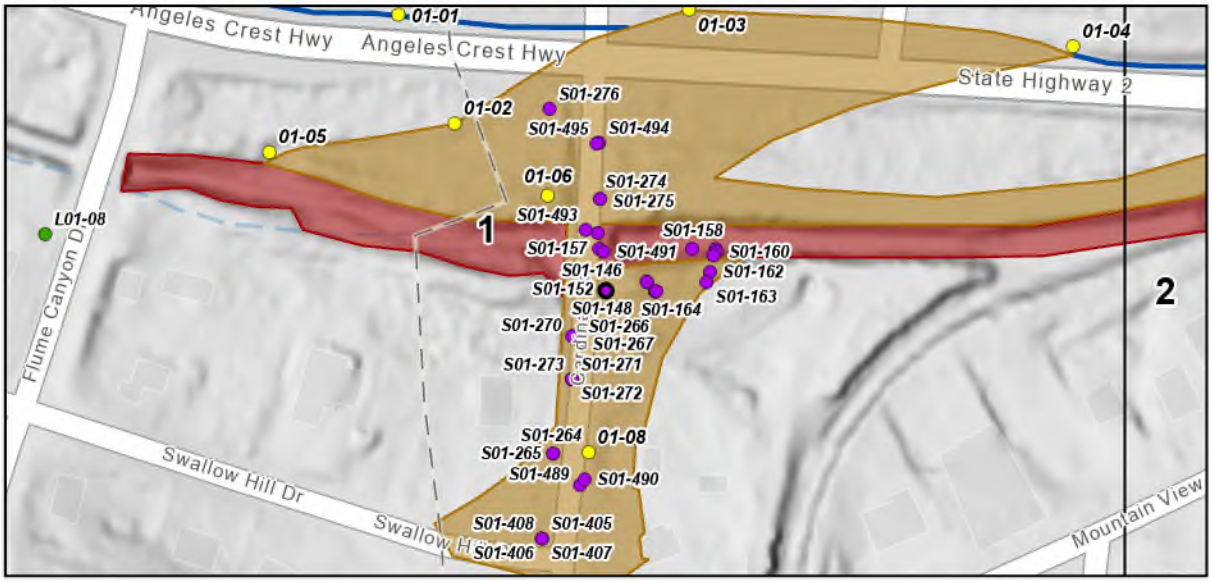


Appendix D
SB County Obs.

S01-148

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



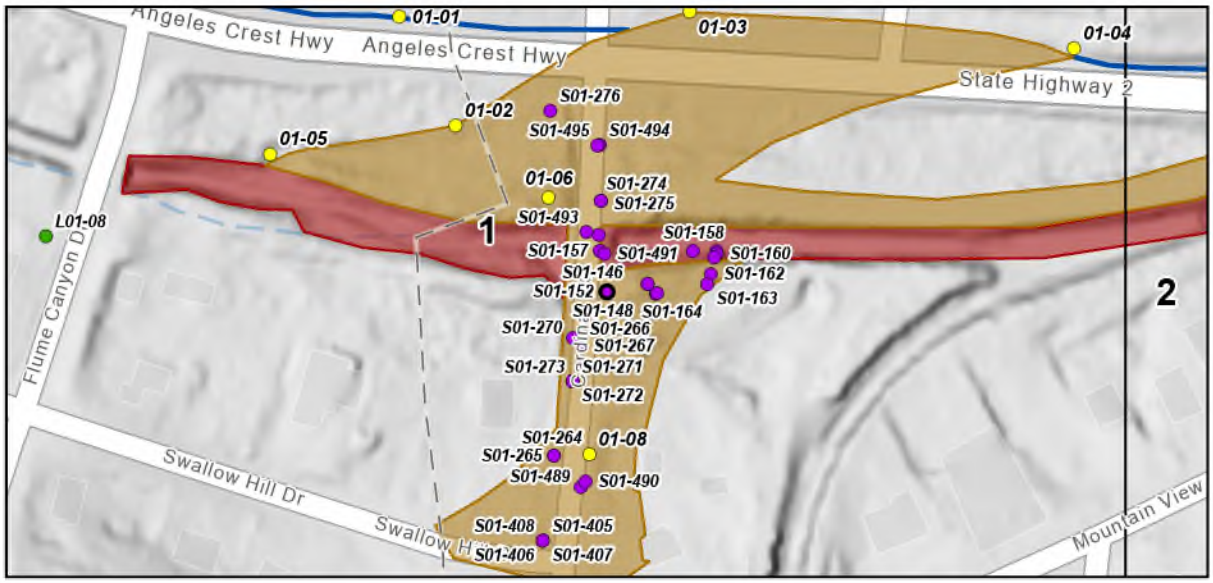


Appendix D
SB County Obs.

S01-149

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



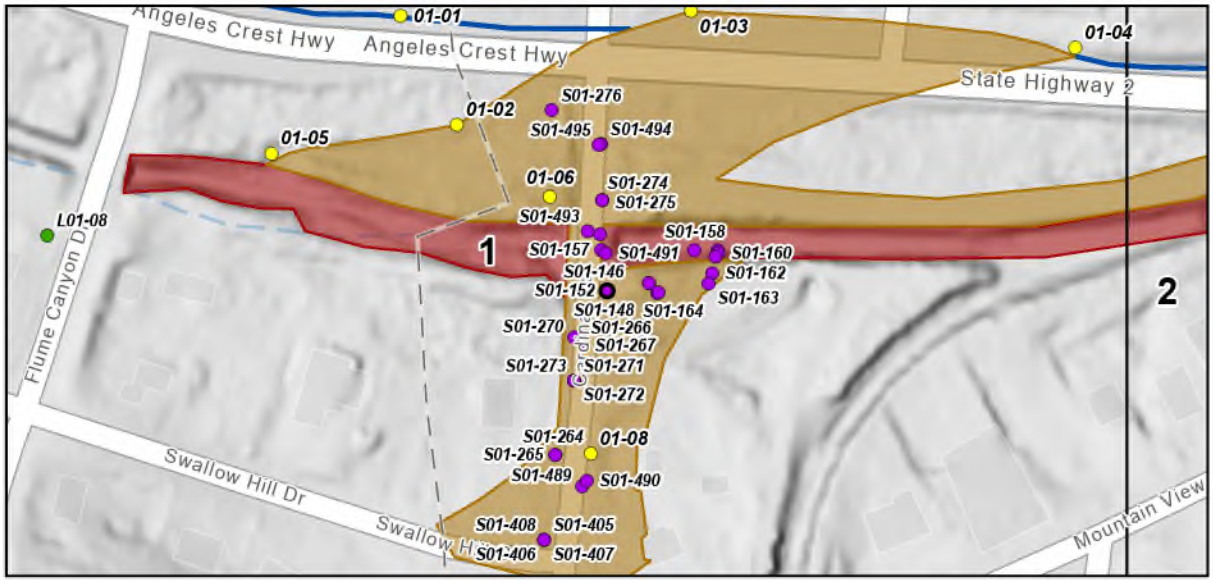


Appendix D
SB County Obs.

S01-150

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



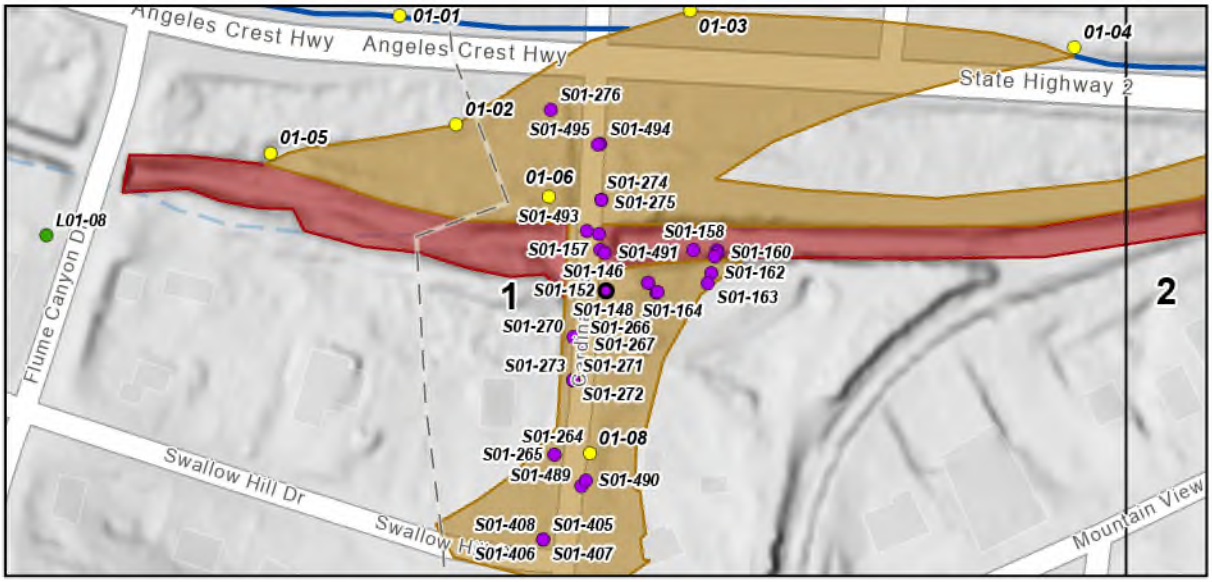


Appendix D
SB County Obs.

S01-151

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

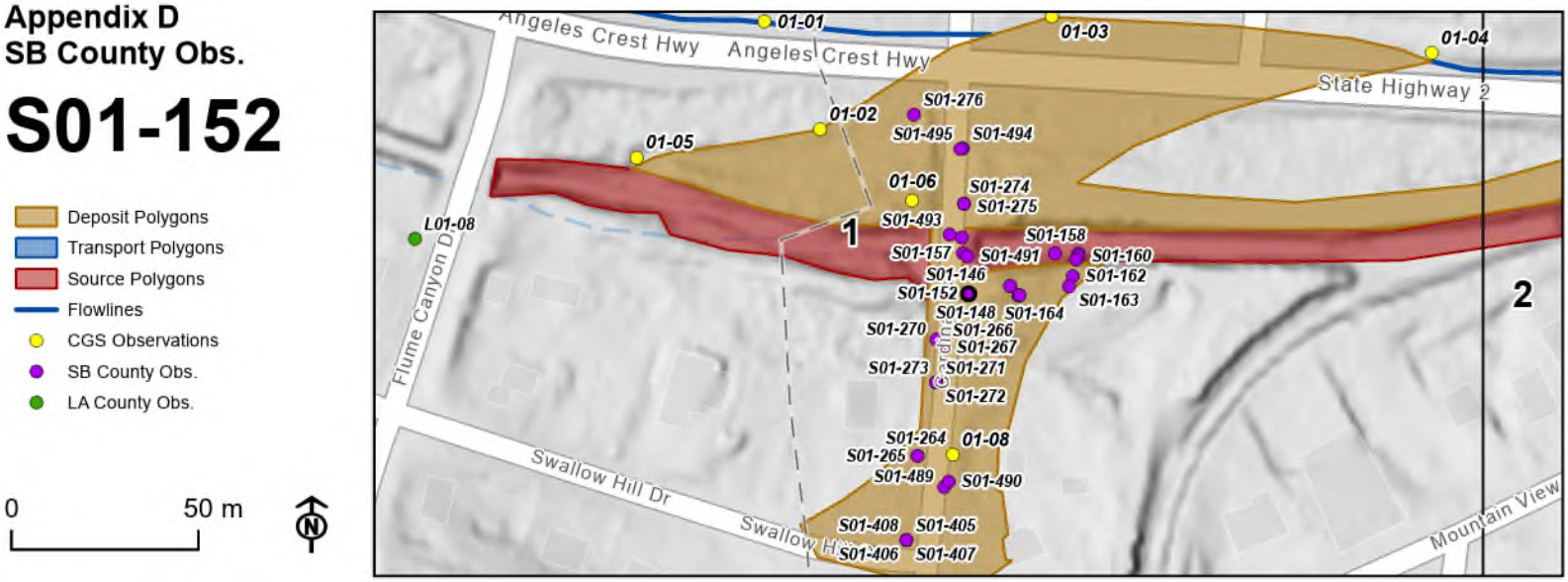
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Appendix D
SB County Obs.

S01-152



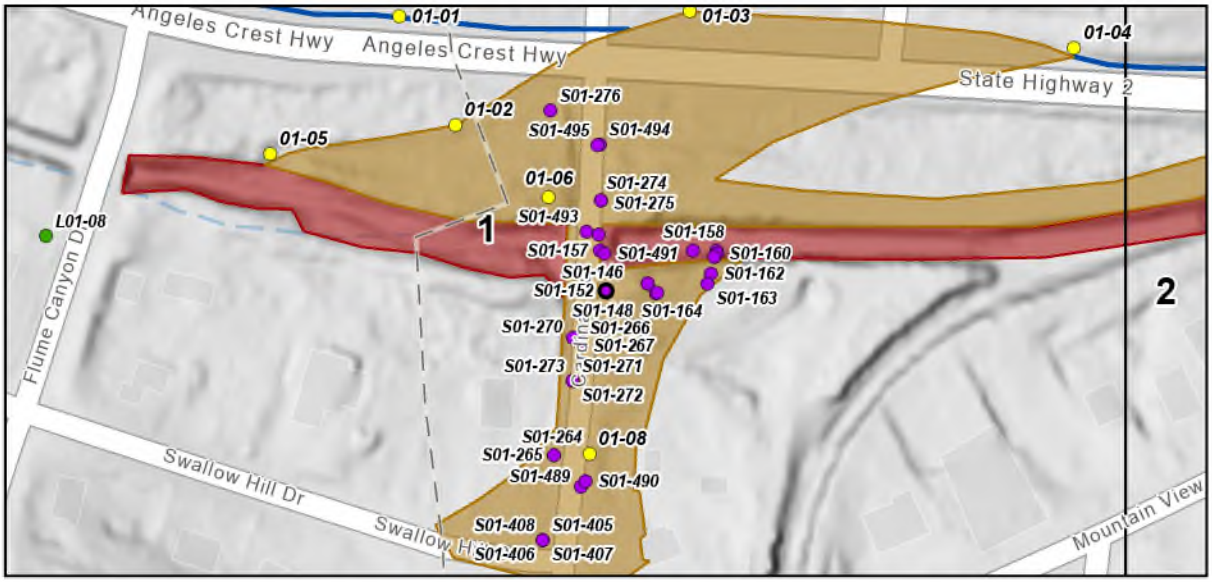


Appendix D
SB County Obs.

S01-153

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

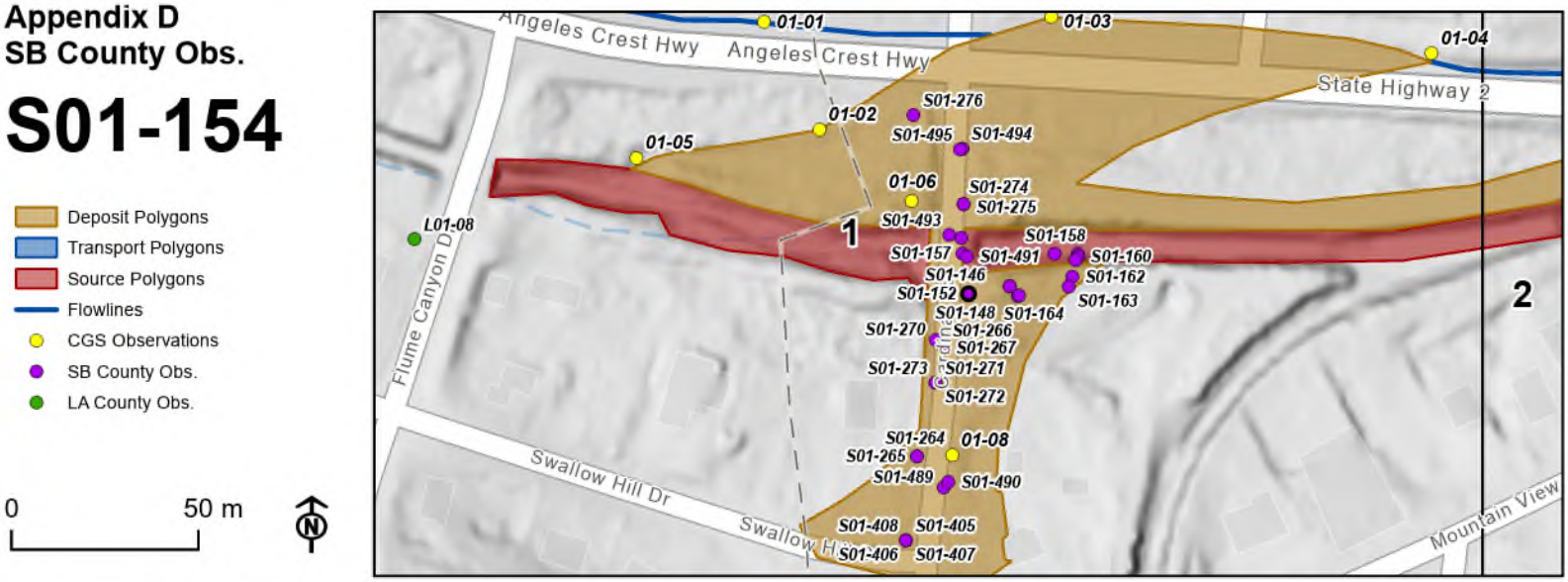
0 50 m





Appendix D
SB County Obs.

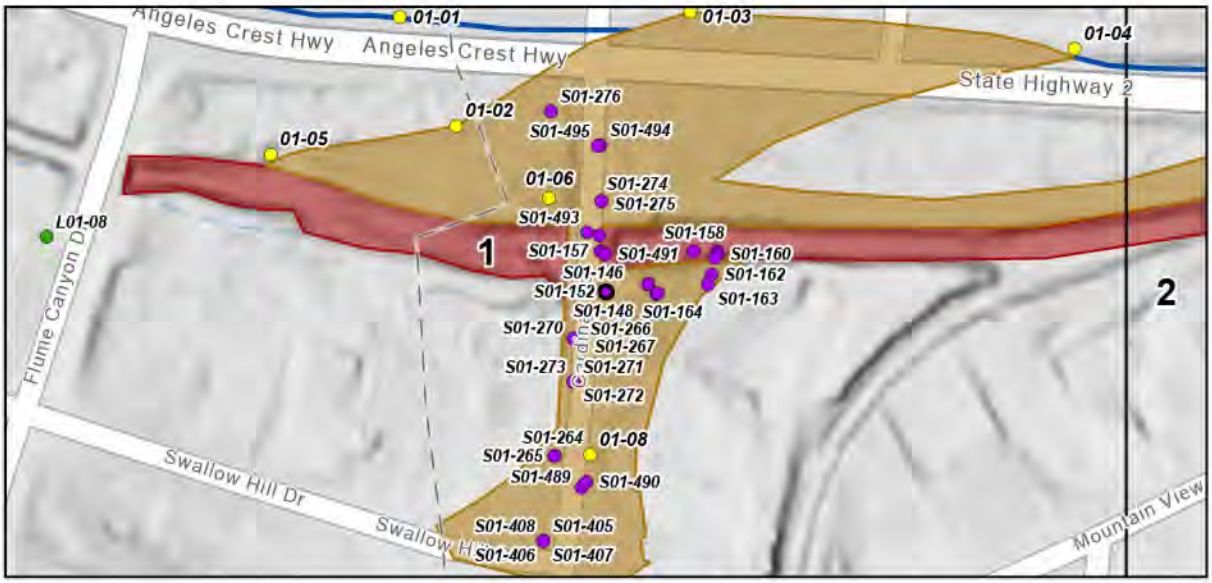
S01-154





Appendix D
SB County Obs.

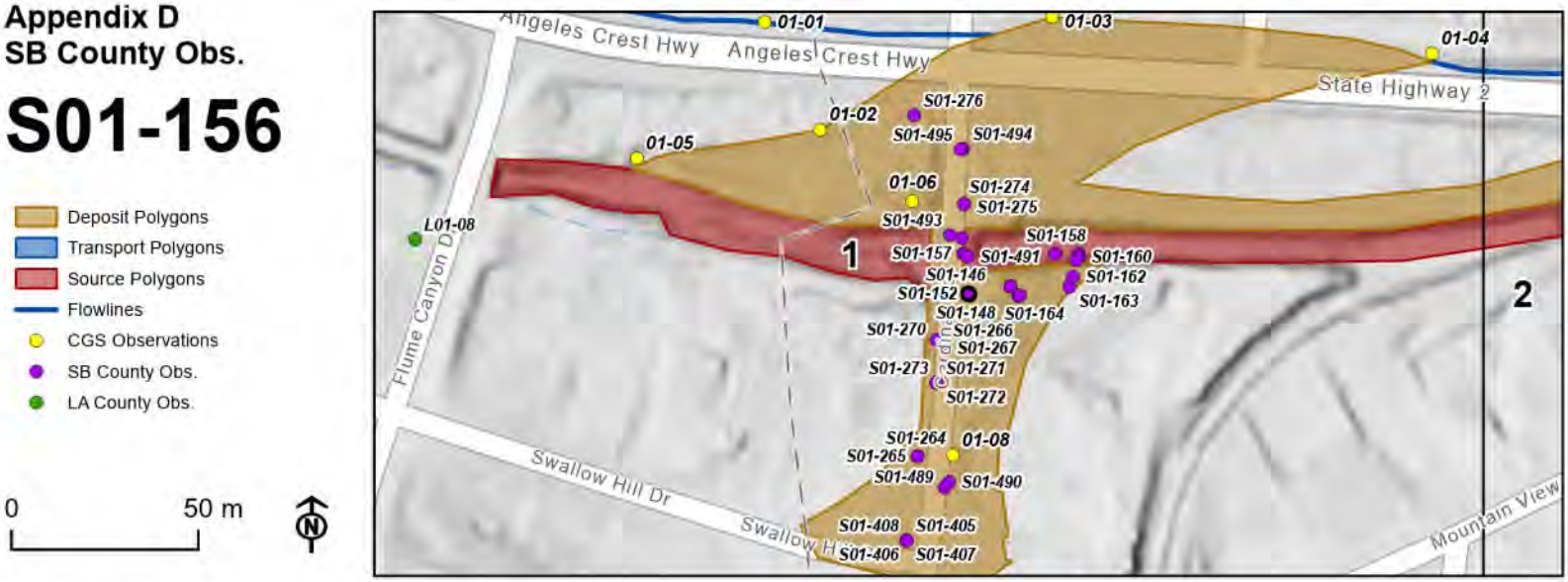
S01-155





Appendix D
SB County Obs.

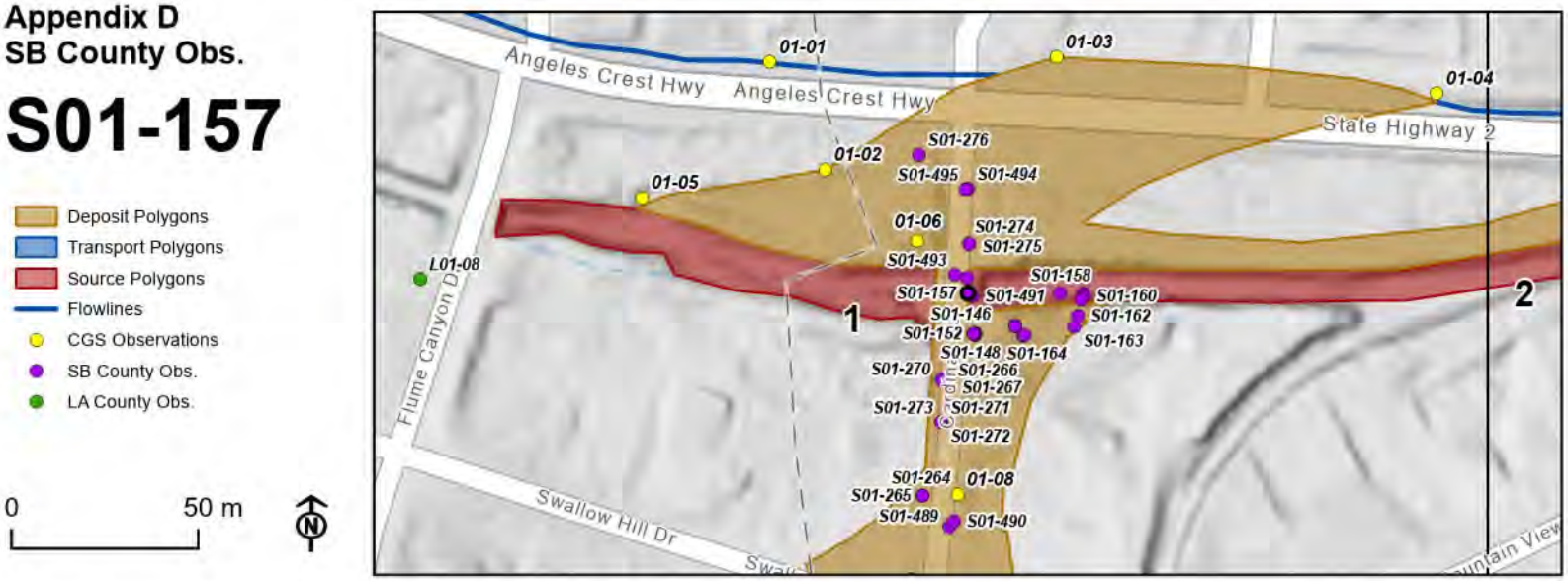
S01-156





Appendix D
SB County Obs.

S01-157



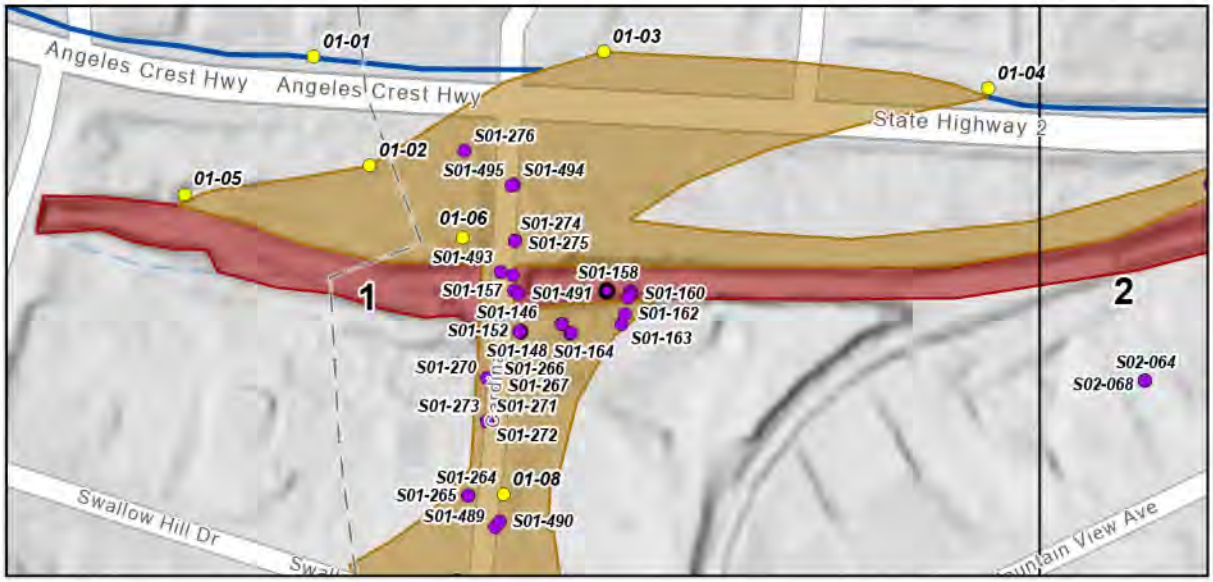


Appendix D
SB County Obs.

S01-158

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



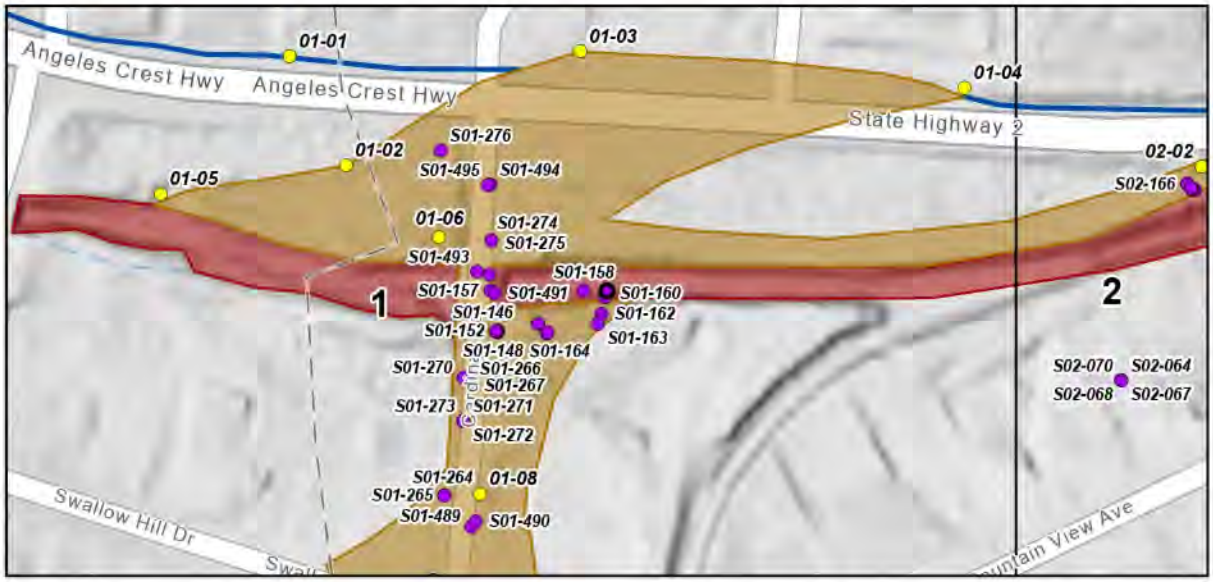


Appendix D
SB County Obs.

S01-159

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



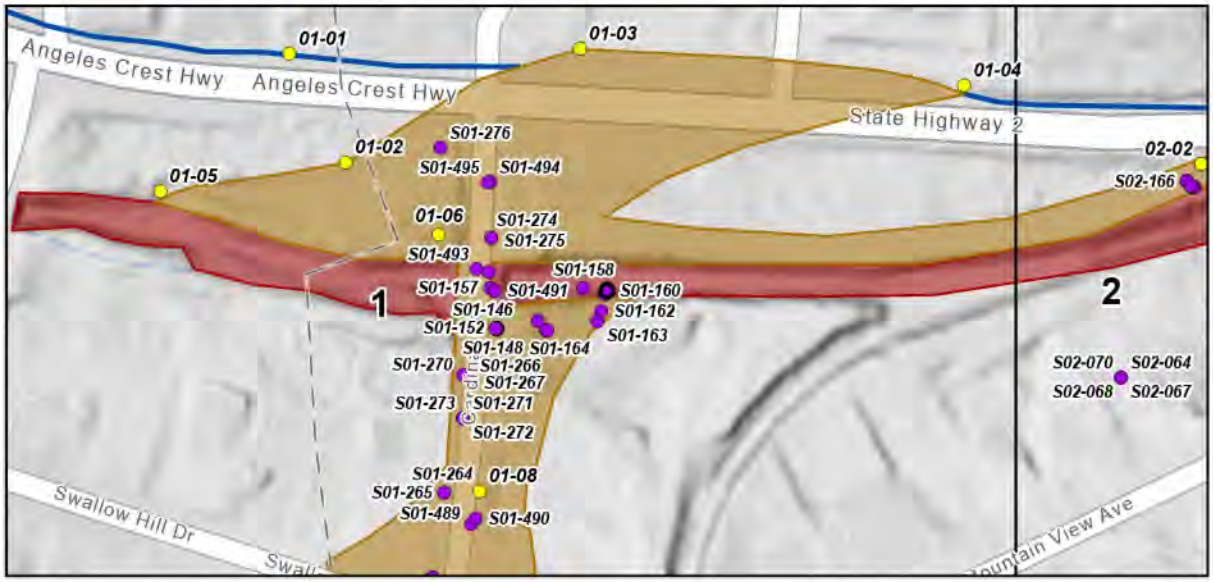


Appendix D
SB County Obs.

S01-160

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



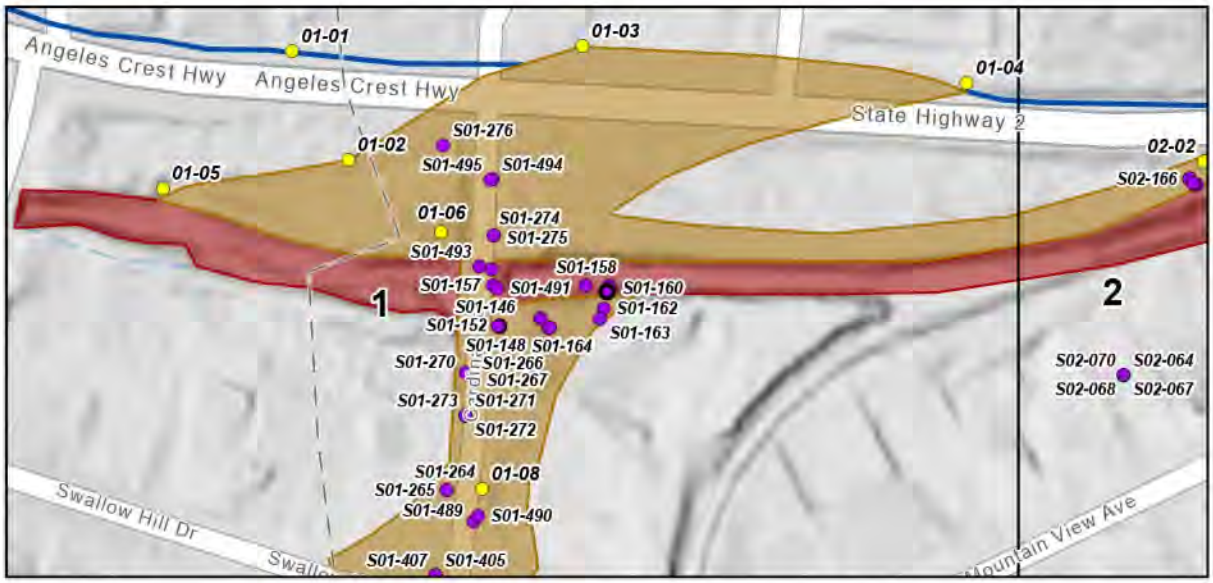


Appendix D
SB County Obs.

S01-161

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

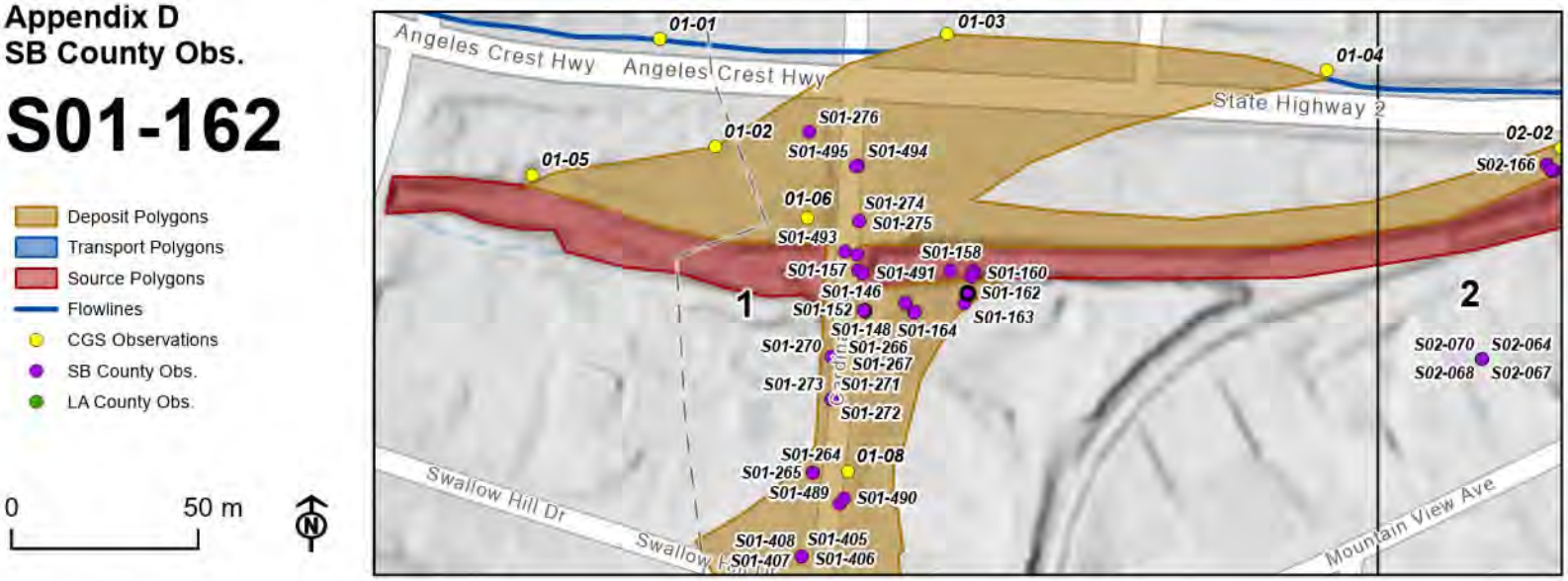
0 50 m





Appendix D
SB County Obs.

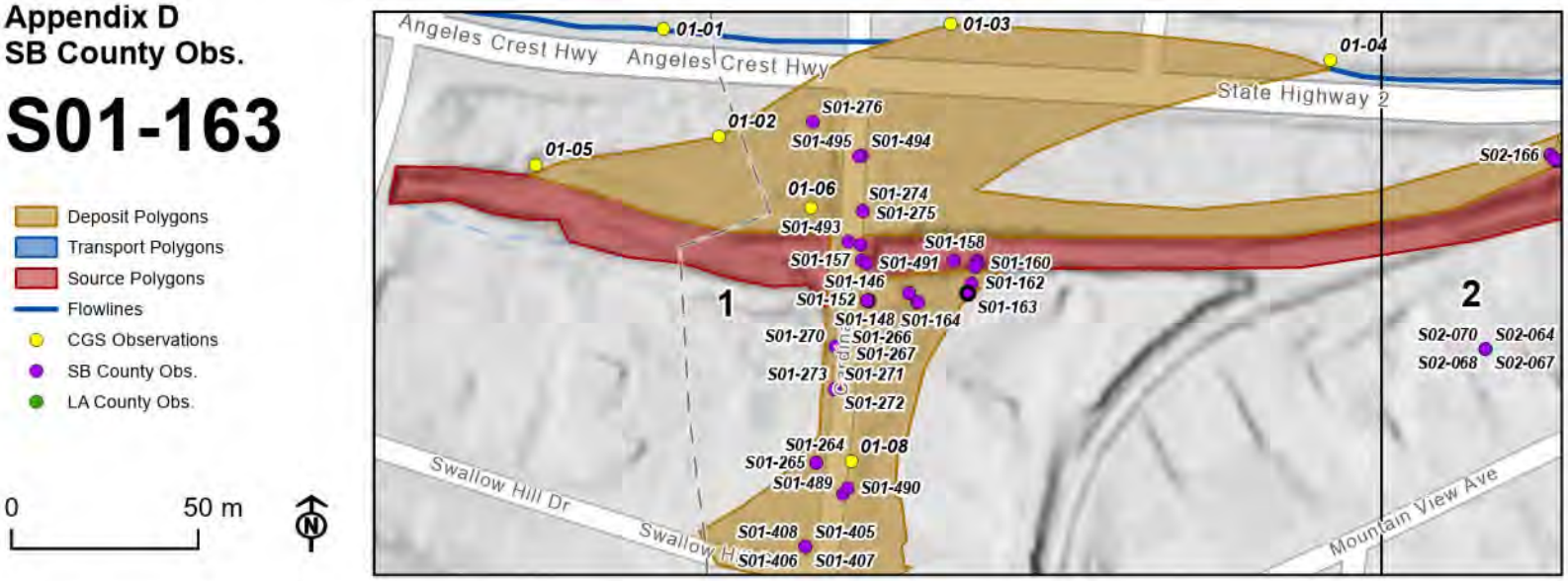
S01-162





Appendix D
SB County Obs.

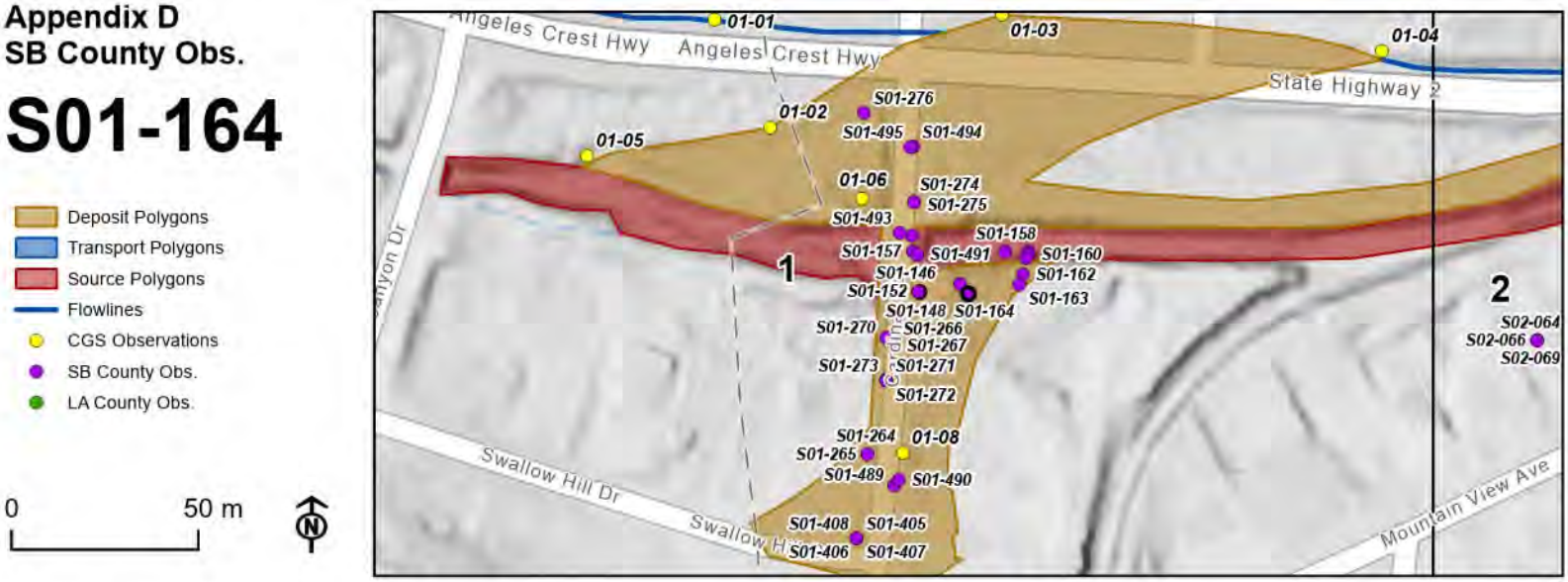
S01-163





Appendix D
SB County Obs.

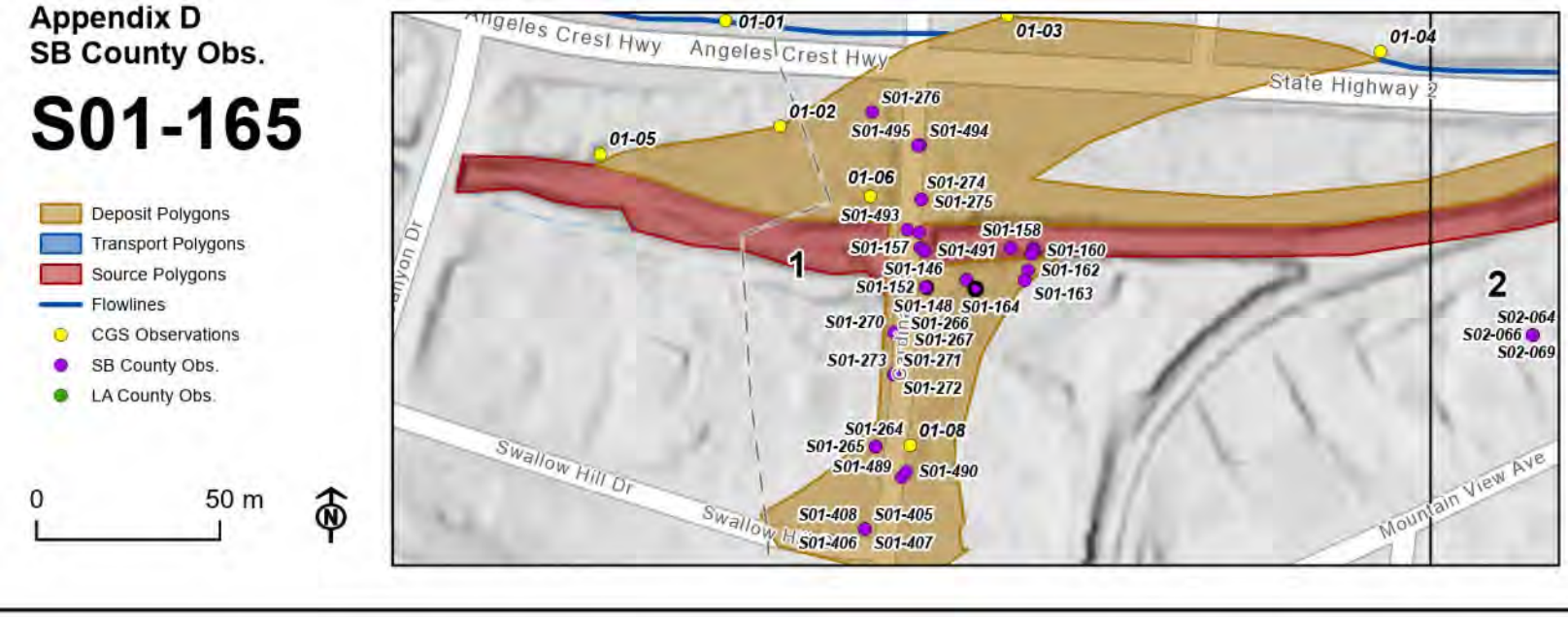
S01-164





Appendix D
SB County Obs.

S01-165





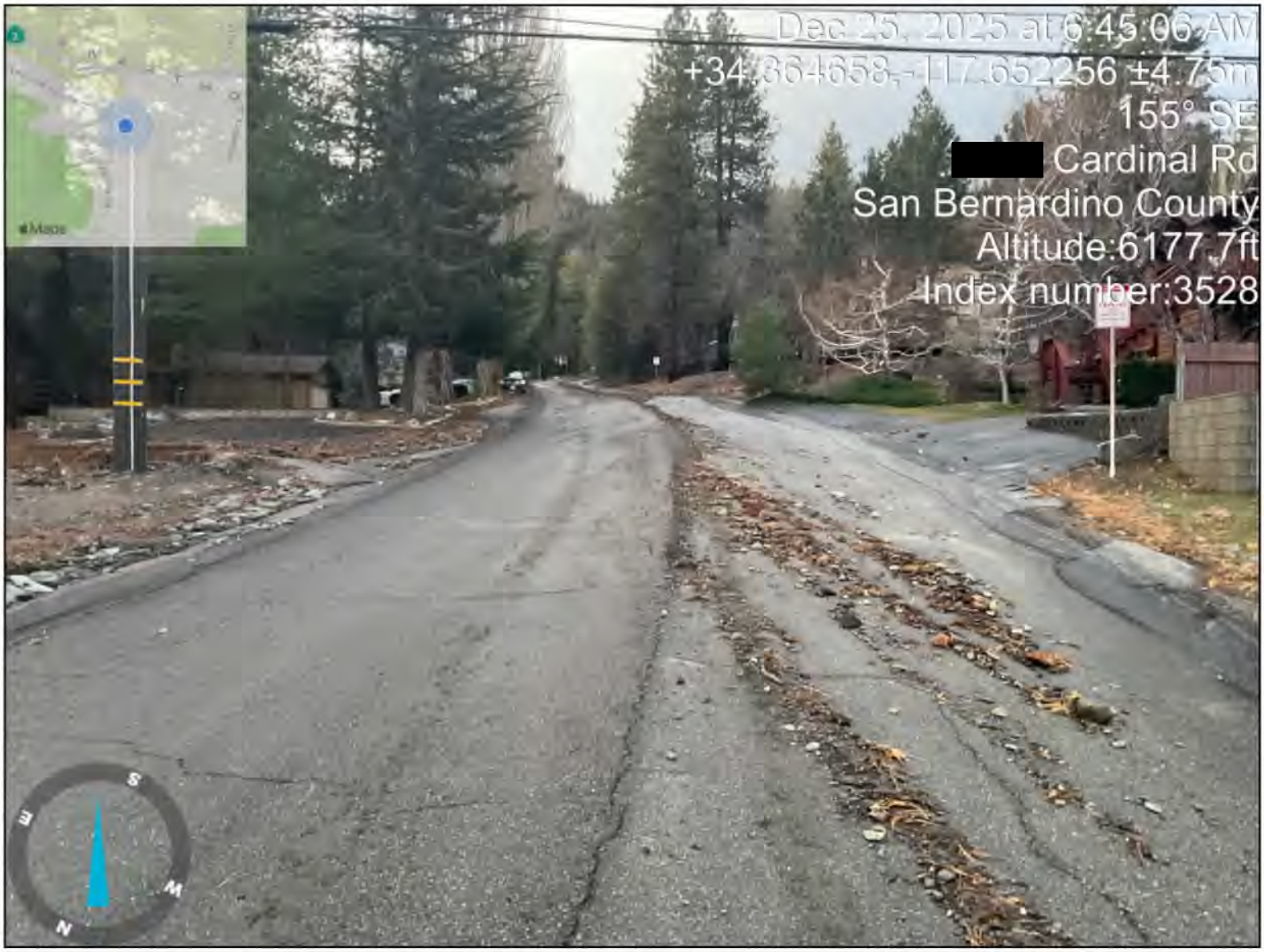
Appendix D
SB County Obs.

S01-261

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S01-262

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S01-263

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



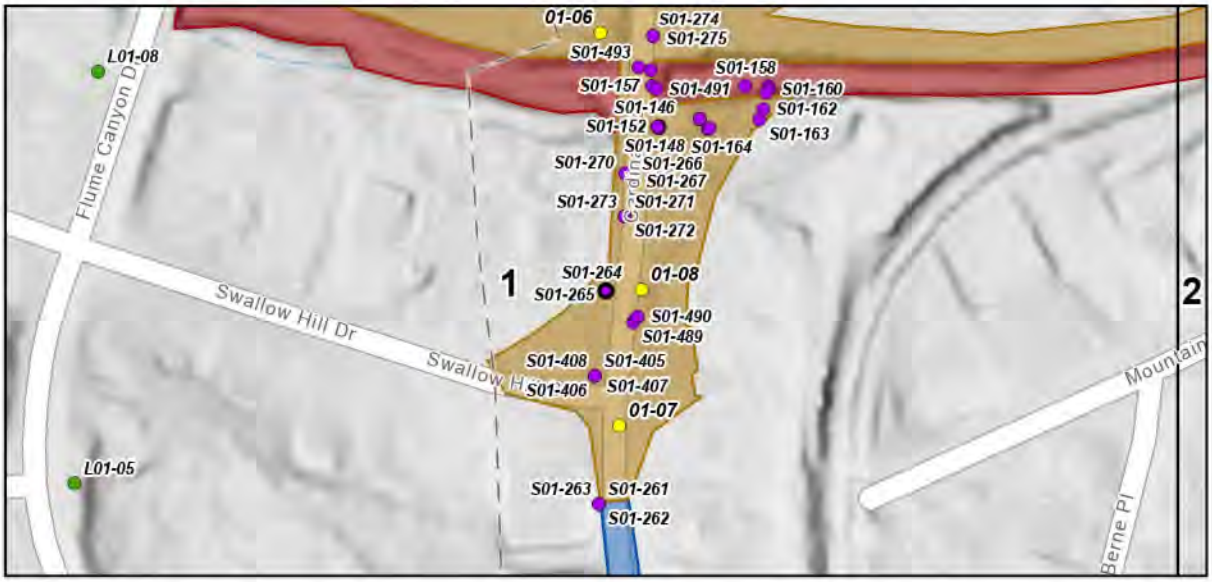


Appendix D
SB County Obs.

S01-264

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S01-265





Appendix D
SB County Obs.

S01-266





Appendix D
SB County Obs.

S01-267



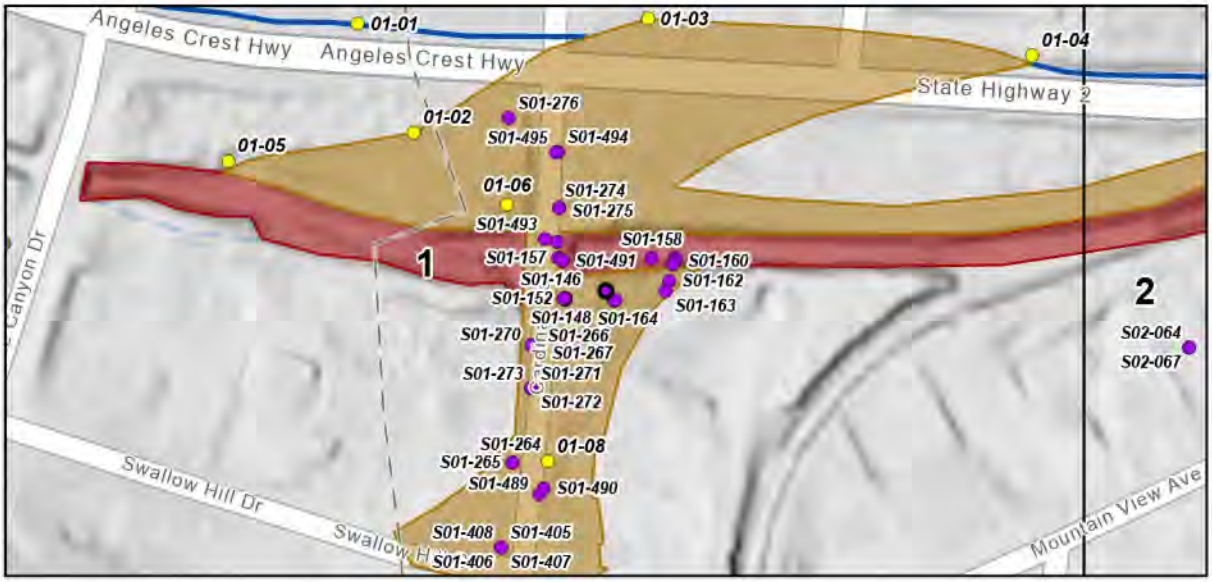


Appendix D
SB County Obs.

S01-268

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



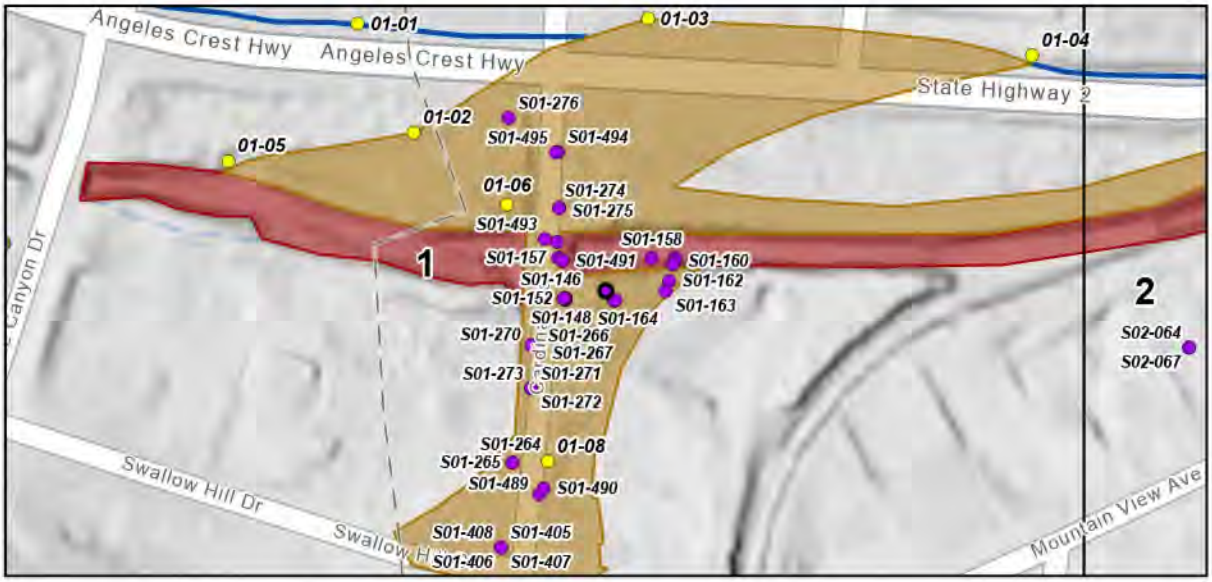


Appendix D
SB County Obs.

S01-269

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S01-270

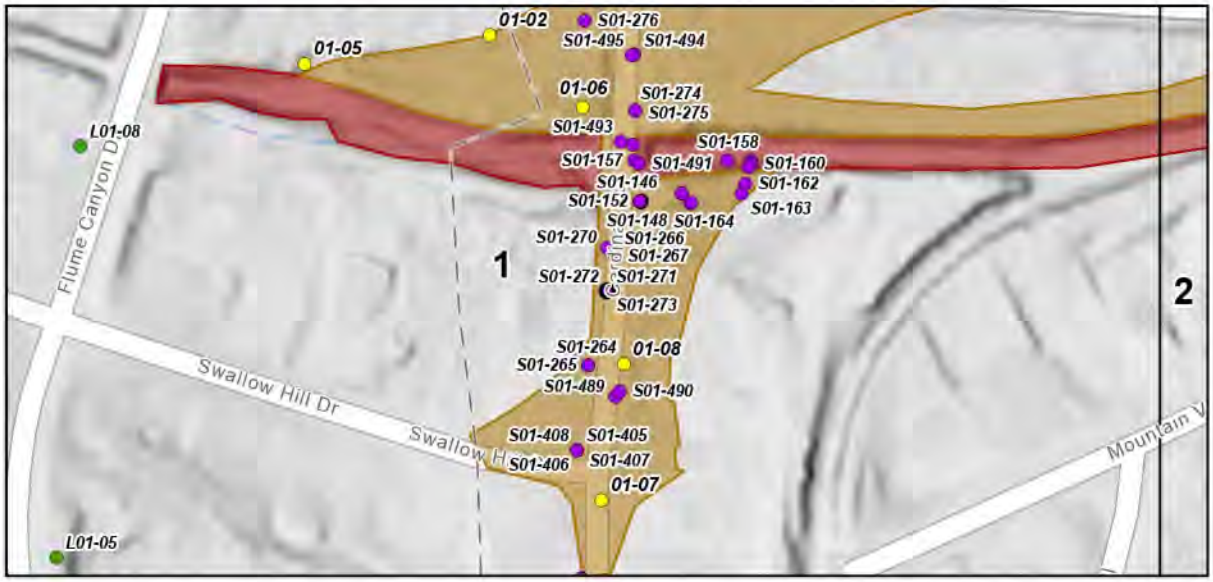


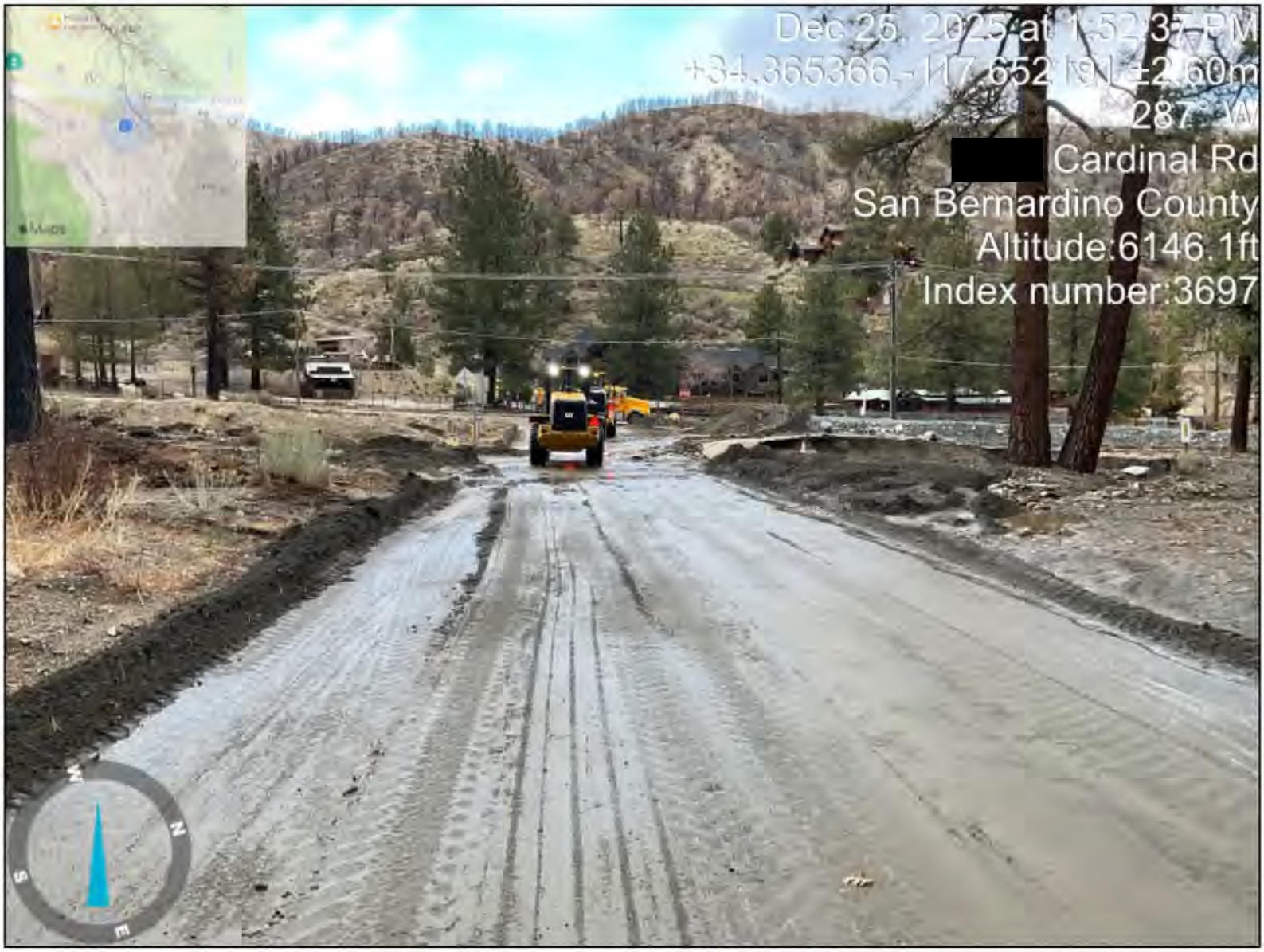


Appendix D
SB County Obs.

S01-271





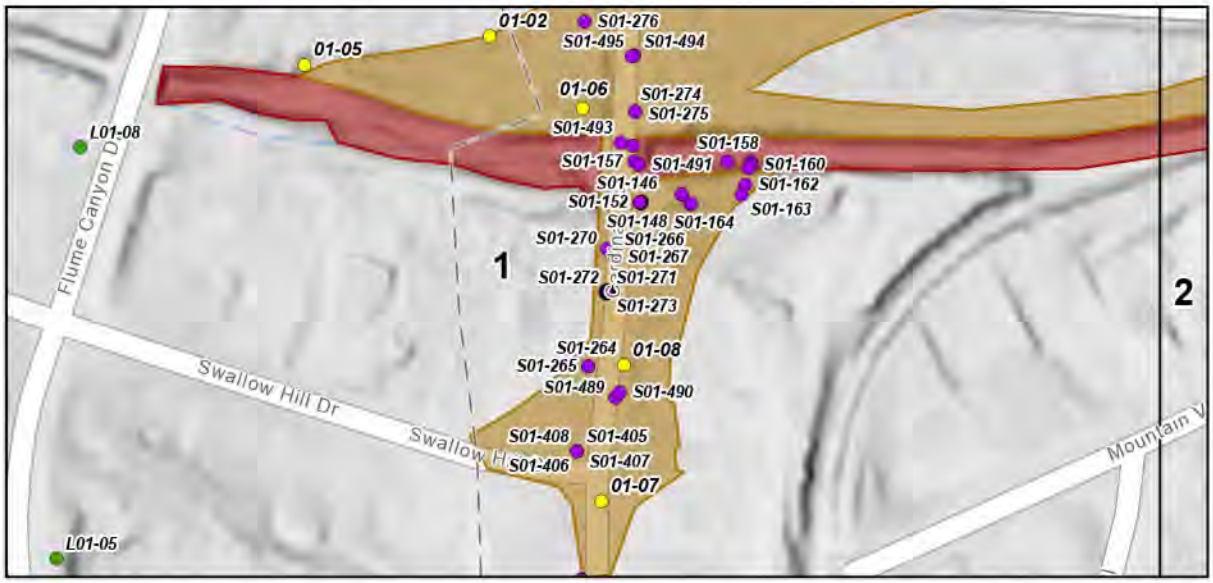


Appendix D
SB County Obs.

S01-272

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



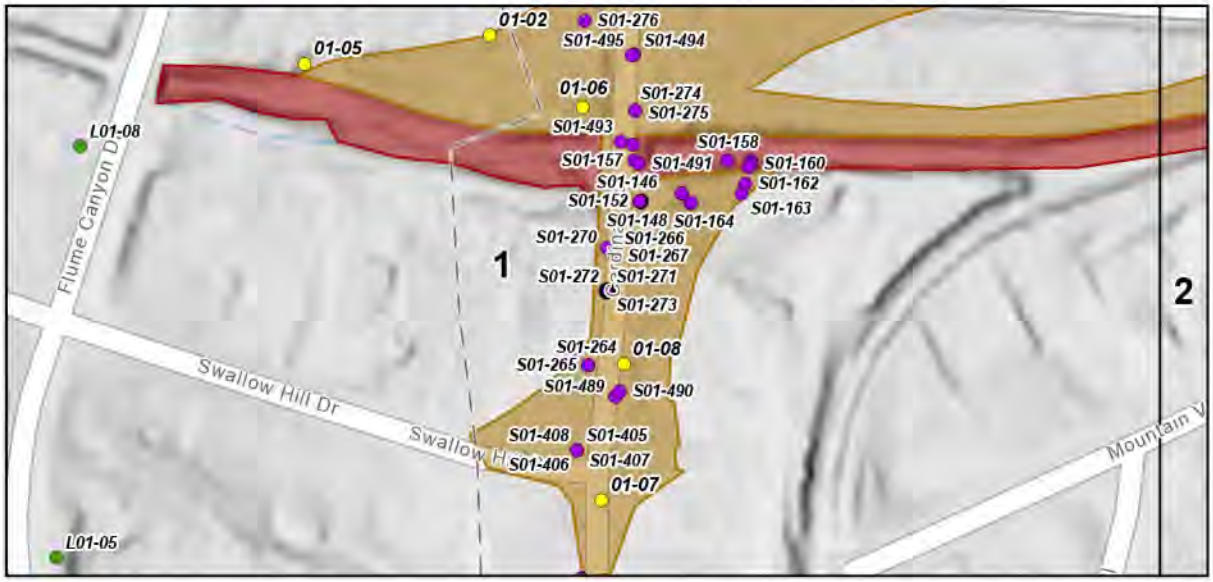


Appendix D
SB County Obs.

S01-273

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



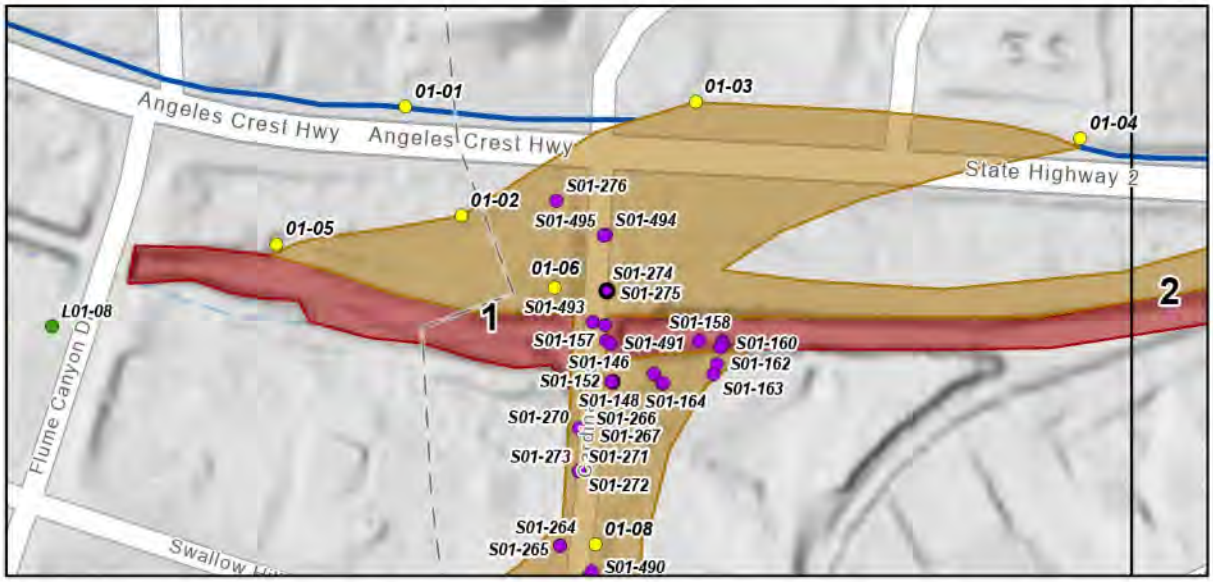


Appendix D
SB County Obs.

S01-274

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



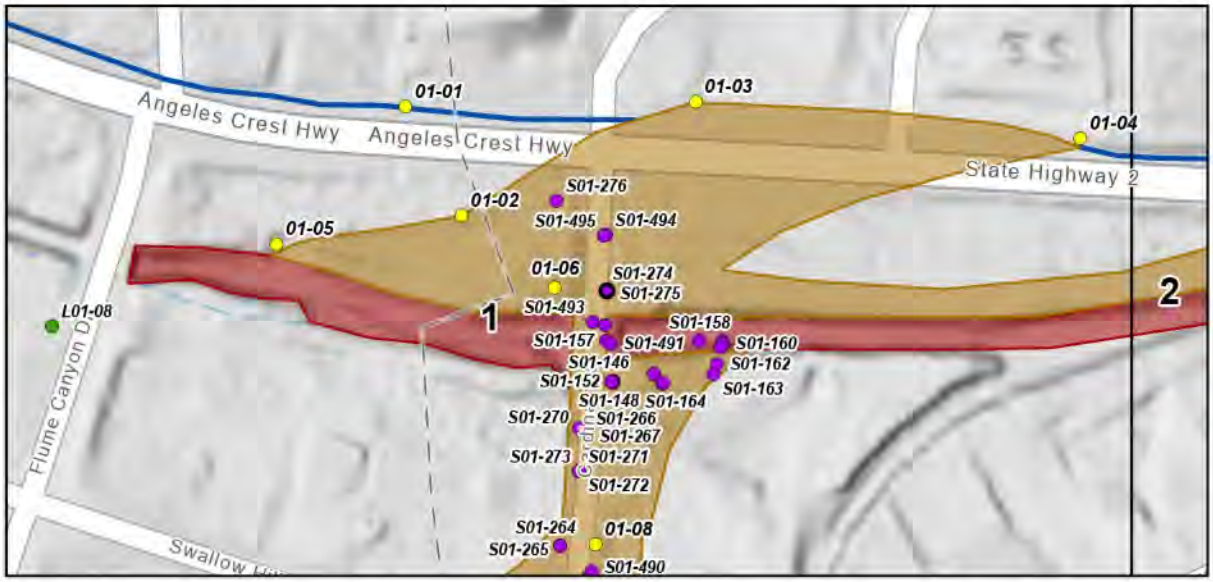


Appendix D
SB County Obs.

S01-275

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



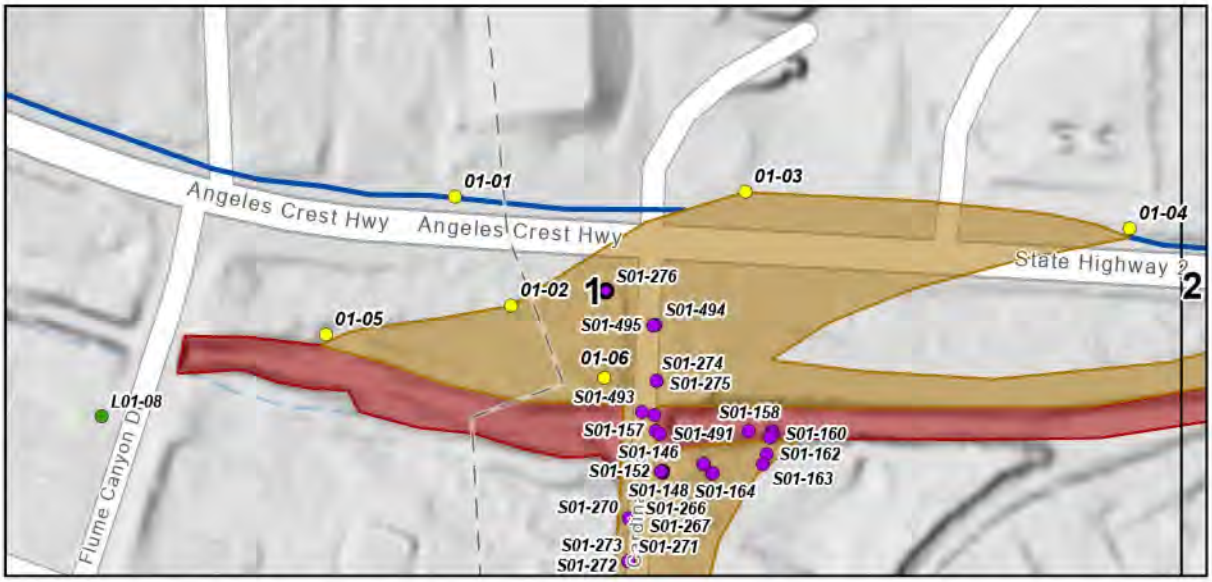


Appendix D
SB County Obs.

S01-276

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S01-405

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S01-406





Appendix D
SB County Obs.

S01-407

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S01-408

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



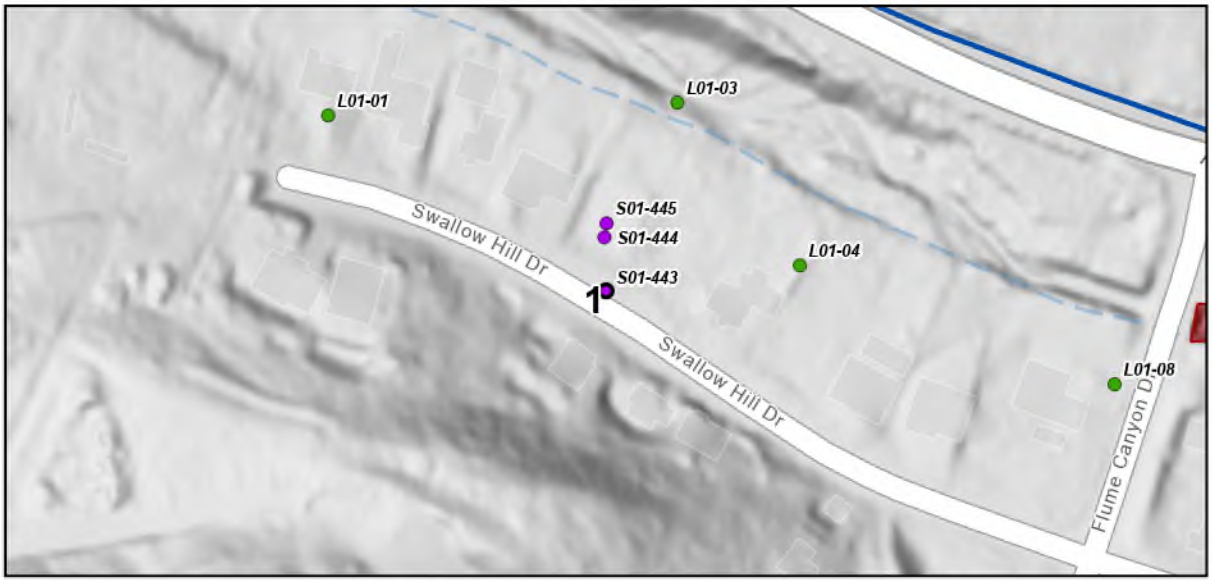


Appendix D
SB County Obs.

S01-443

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



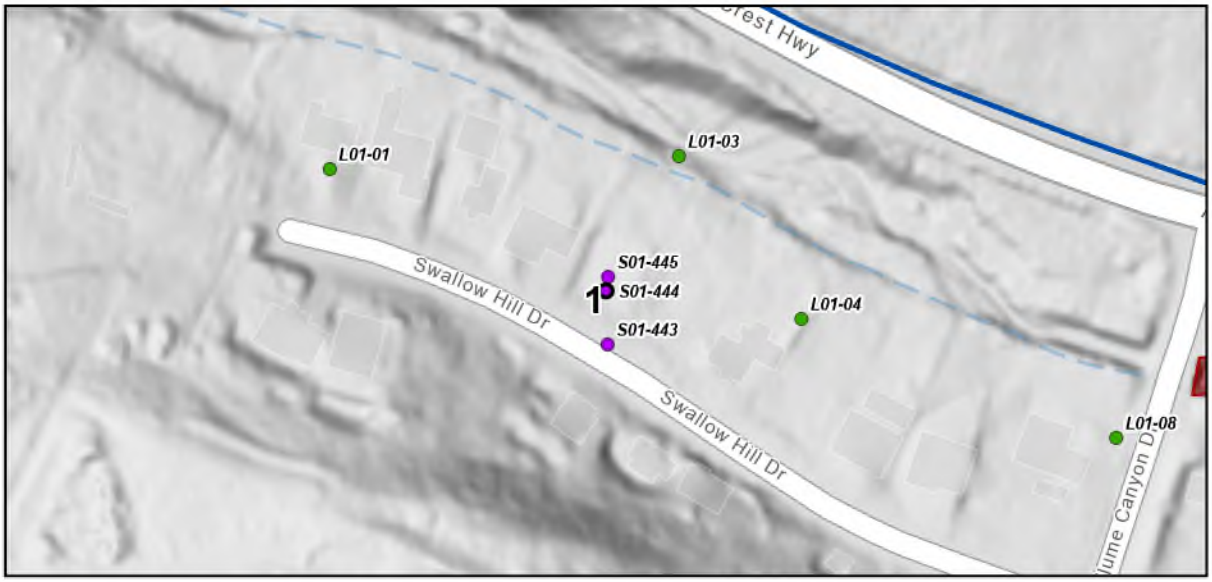


Appendix D
SB County Obs.

S01-444

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



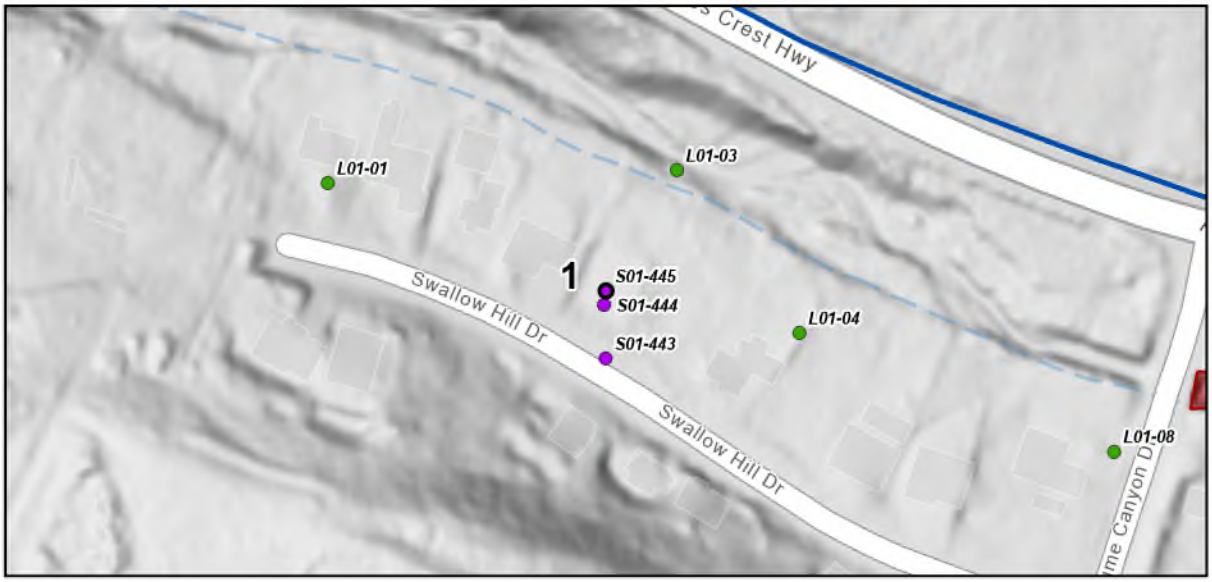


Appendix D
SB County Obs.

S01-445

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



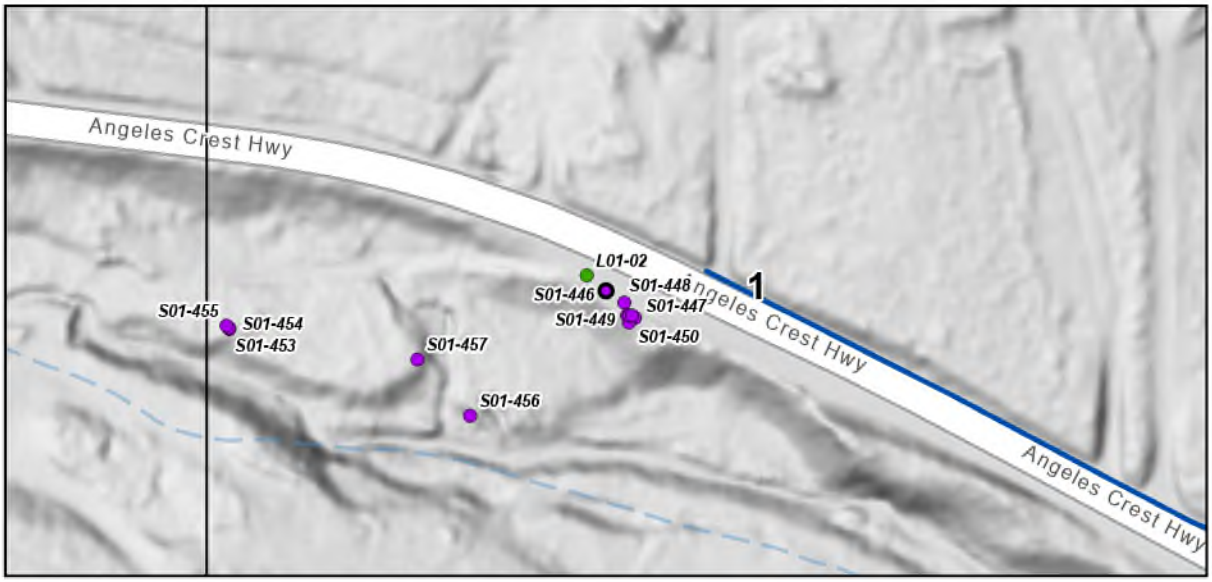


Appendix D
SB County Obs.

S01-446

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



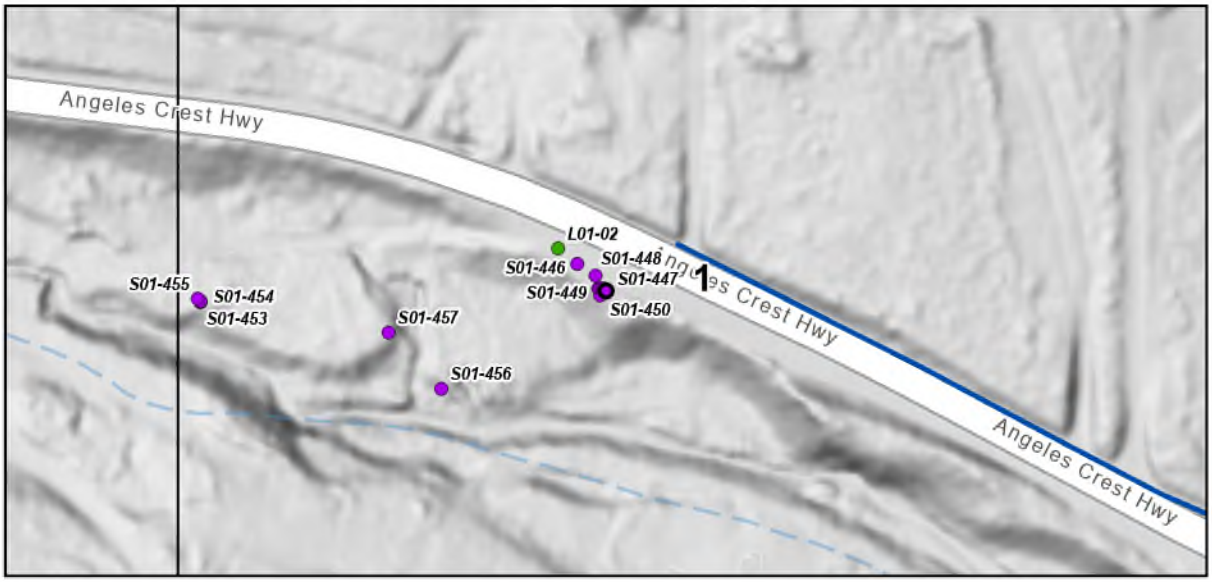


Appendix D
SB County Obs.

S01-447

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



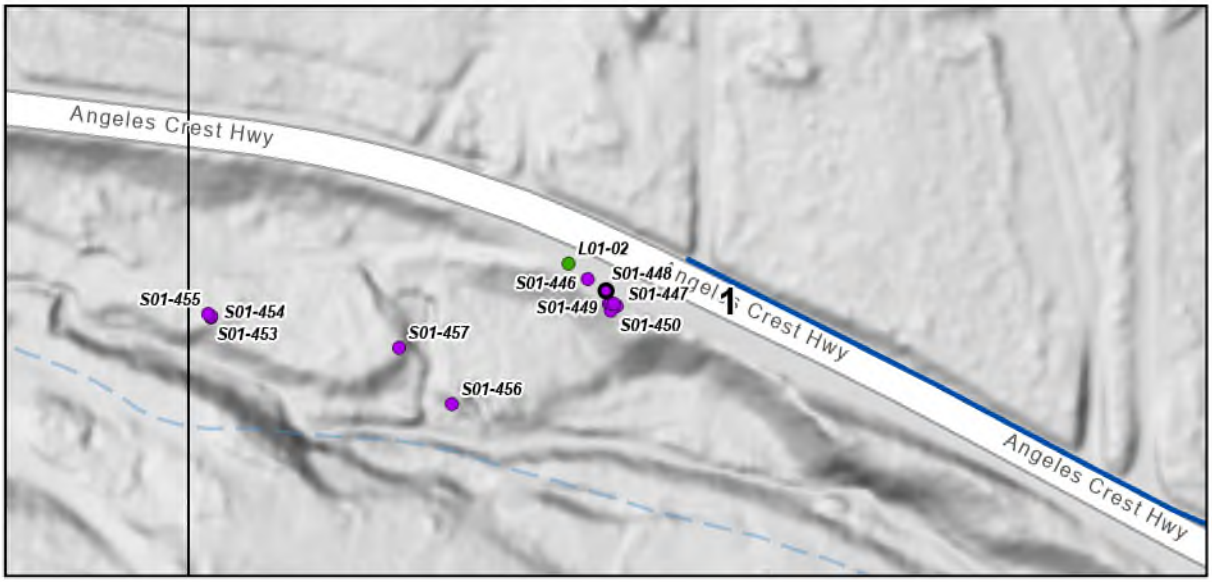


Appendix D
SB County Obs.

S01-448

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



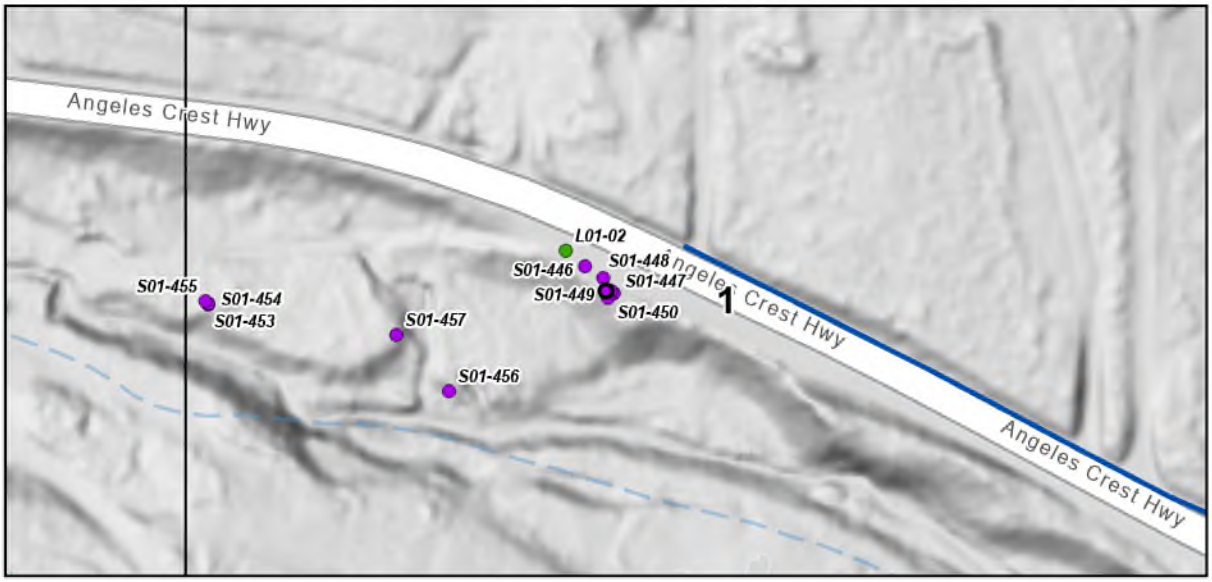


Appendix D
SB County Obs.

S01-449

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



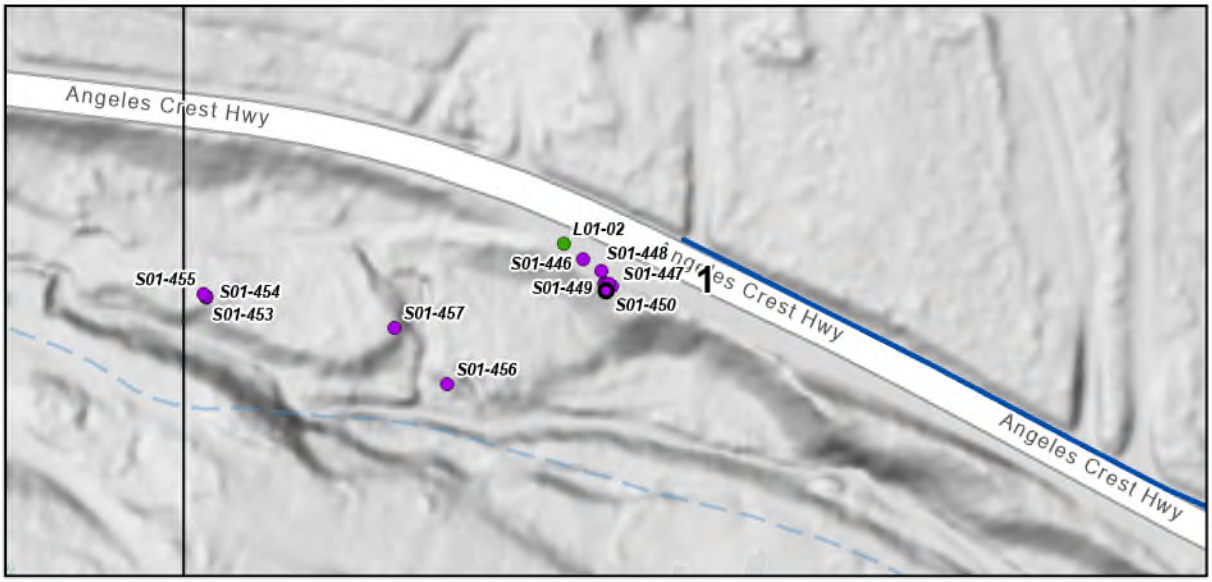


Appendix D
SB County Obs.

S01-450

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



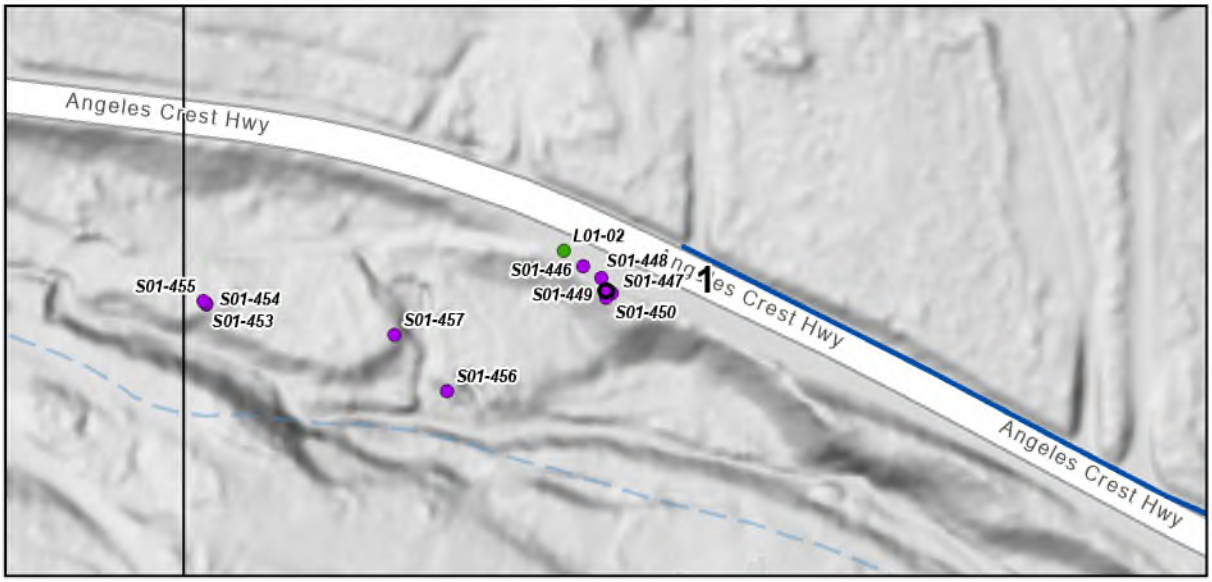


Appendix D
SB County Obs.

S01-451

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



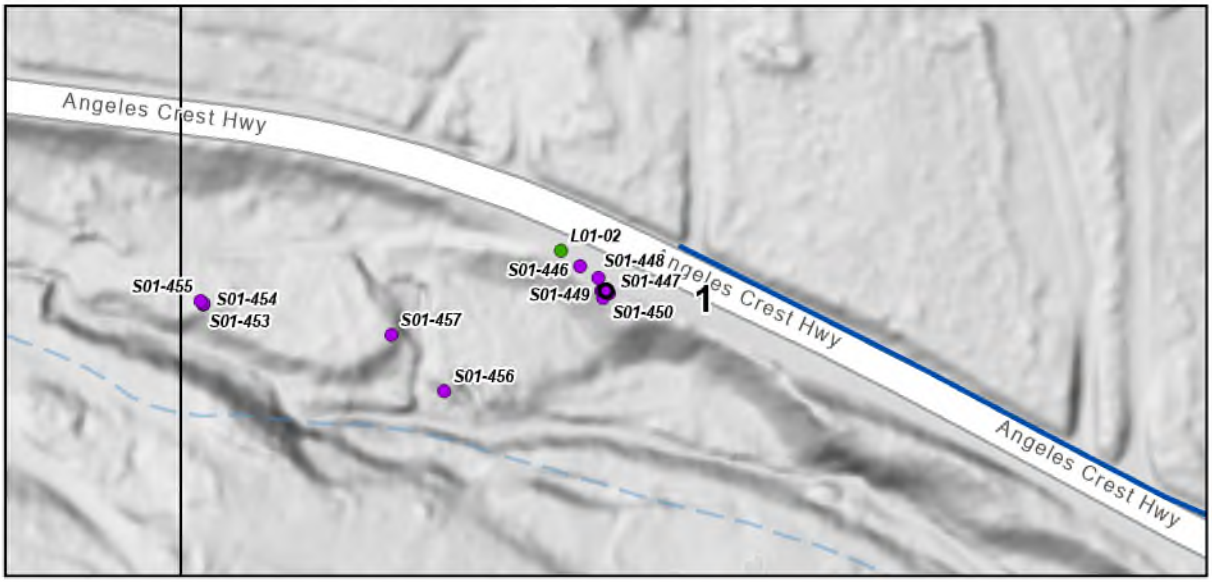


Appendix D
SB County Obs.

S01-452

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



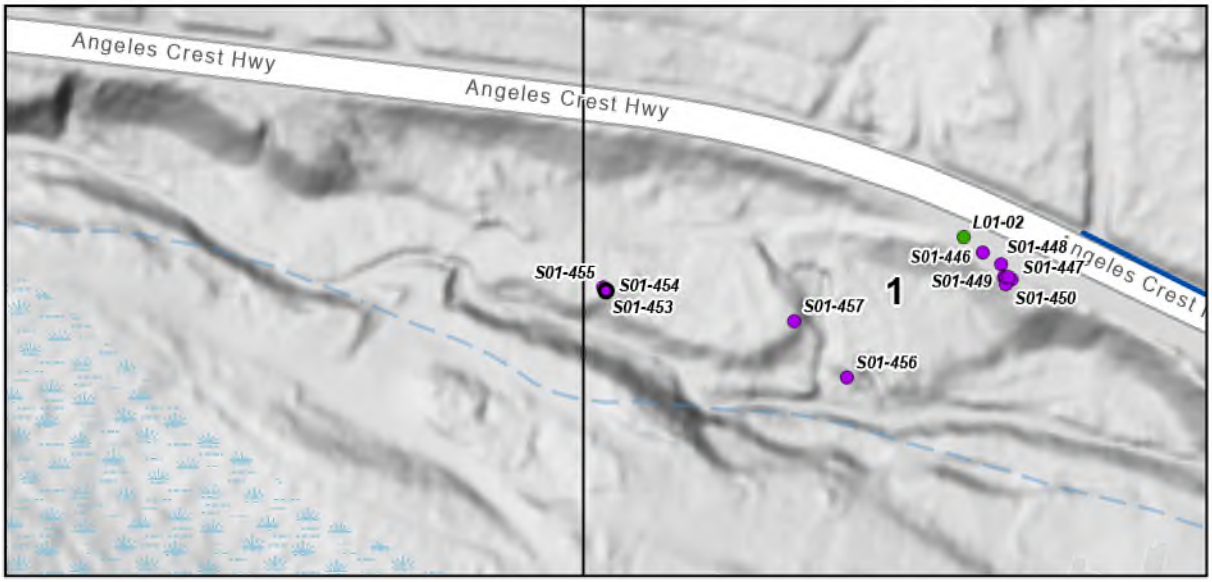


Appendix D
SB County Obs.

S01-453

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

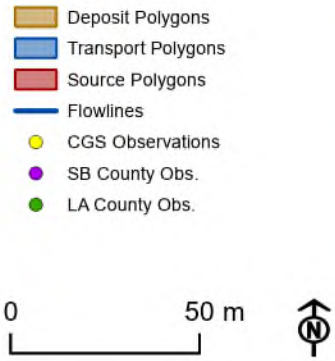
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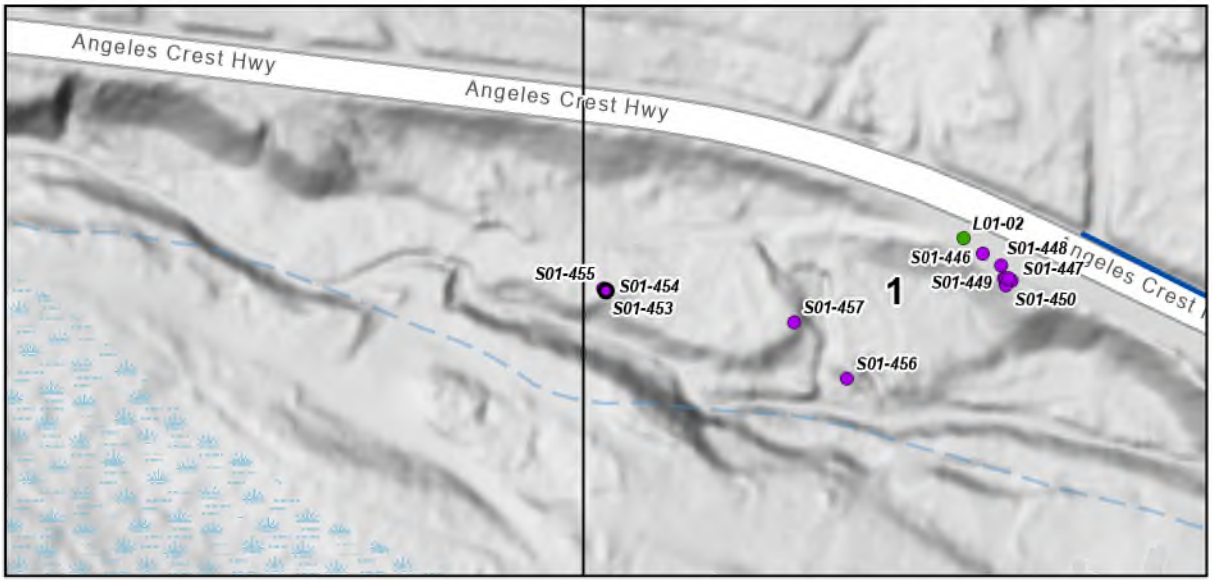




Appendix D
SB County Obs.

S01-454





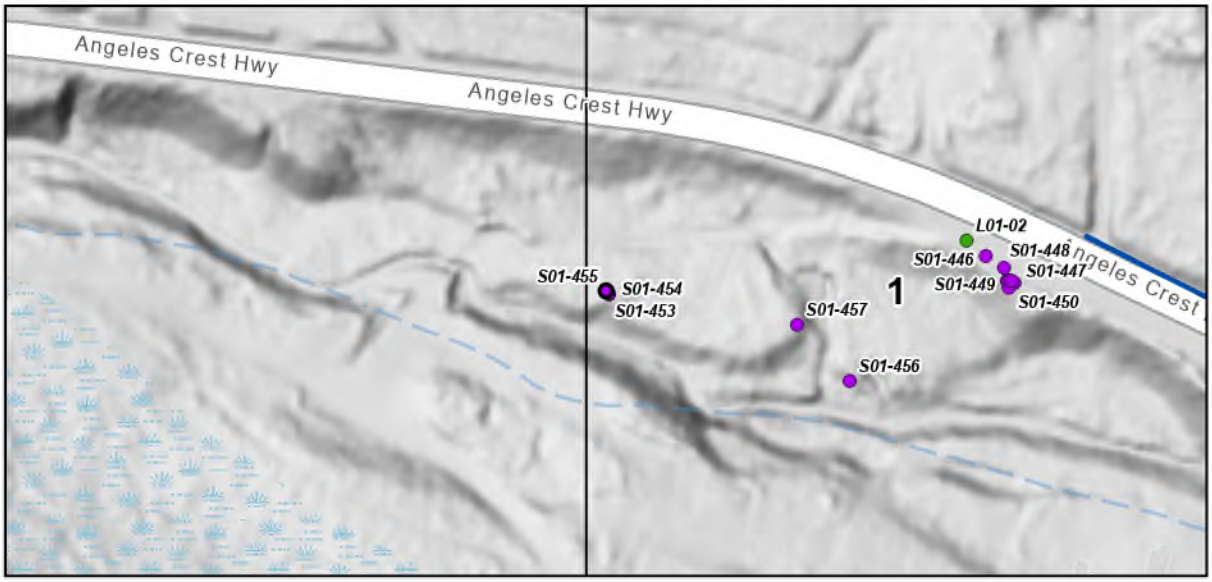


Appendix D
SB County Obs.

S01-455

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

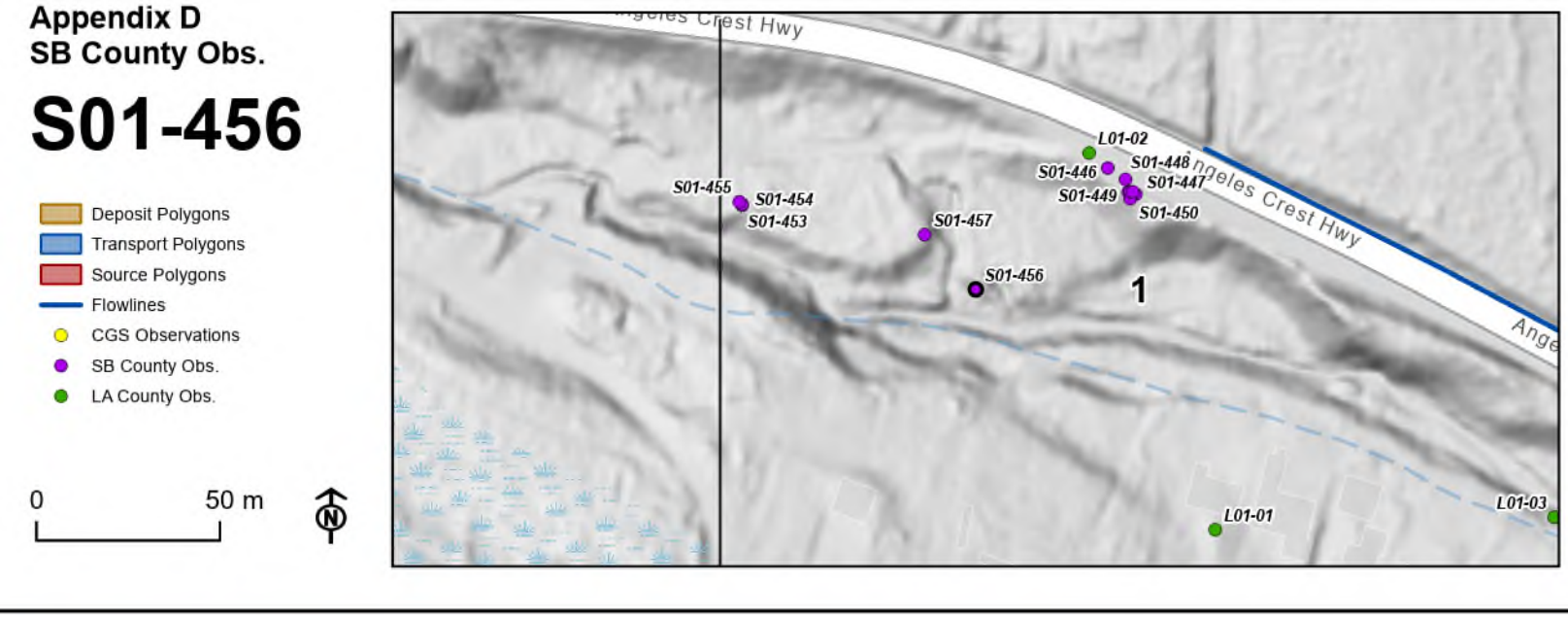
0 50 m





Appendix D
SB County Obs.

S01-456



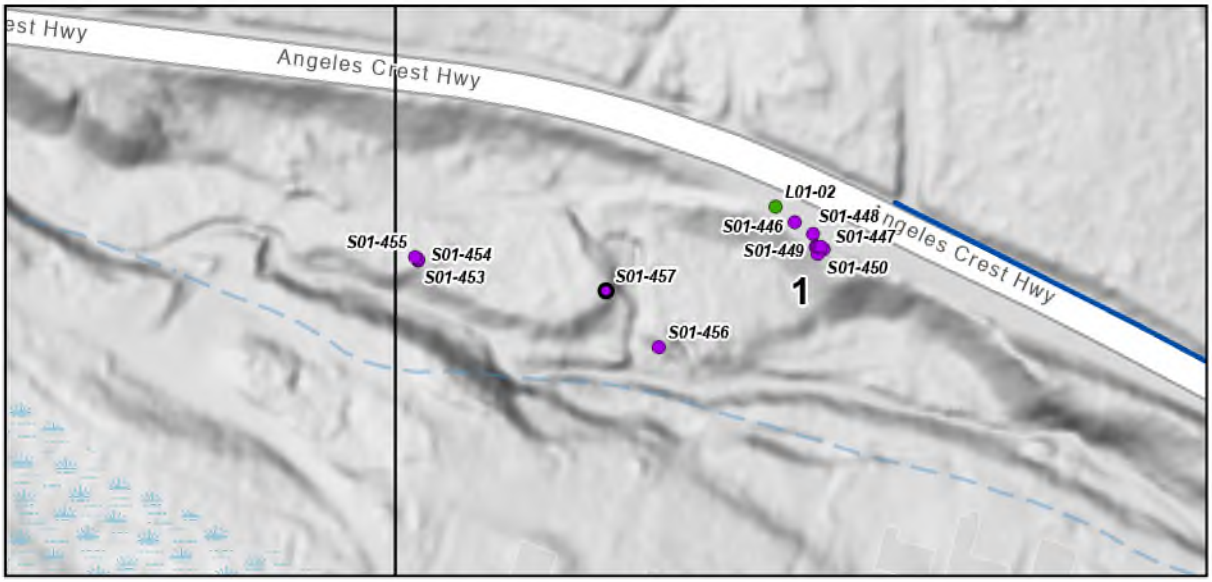


Appendix D
SB County Obs.

S01-457

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S01-484

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S01-485

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S01-486

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S01-487







Appendix D
SB County Obs.

S01-488

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S01-489



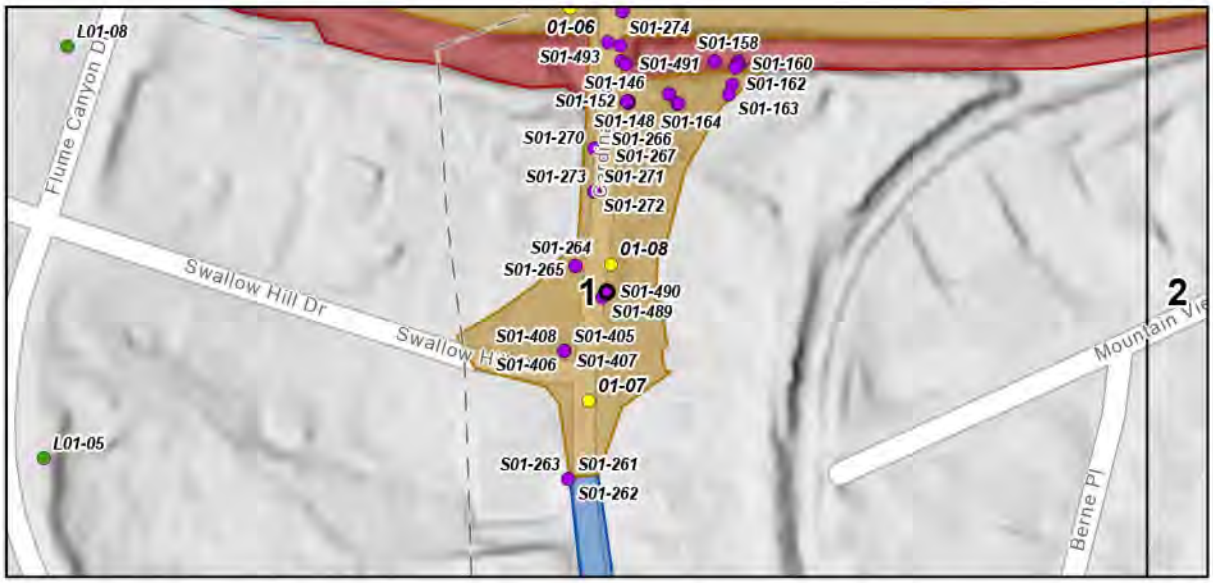


Appendix D
SB County Obs.

S01-490

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

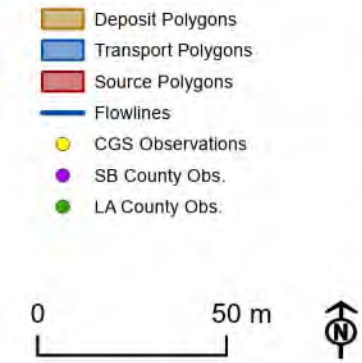
0 50 m

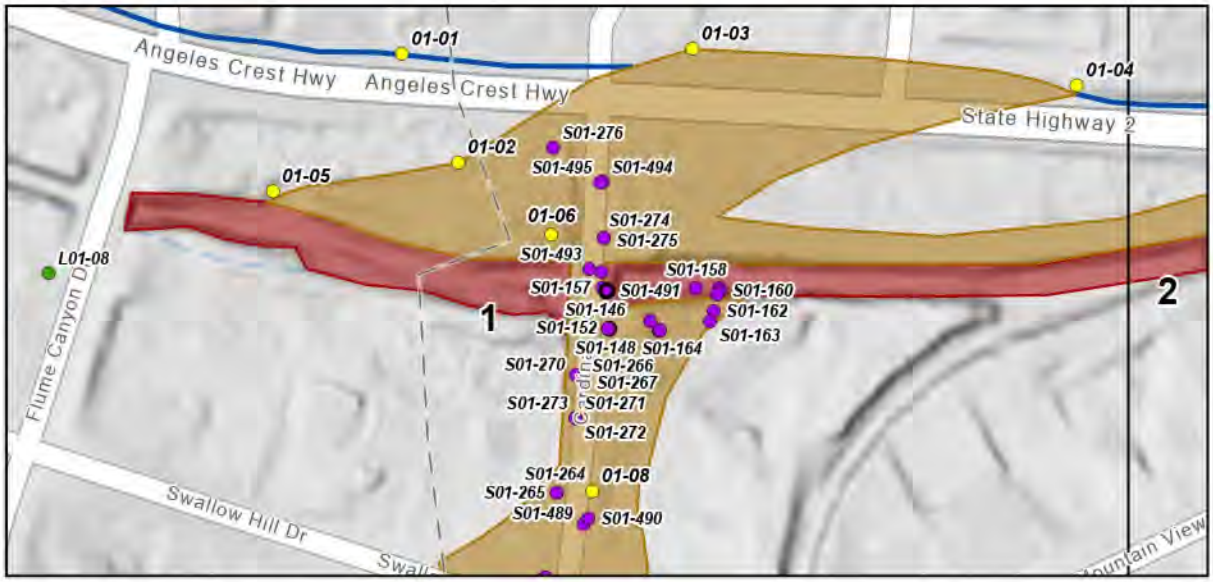




Appendix D
SB County Obs.

S01-491





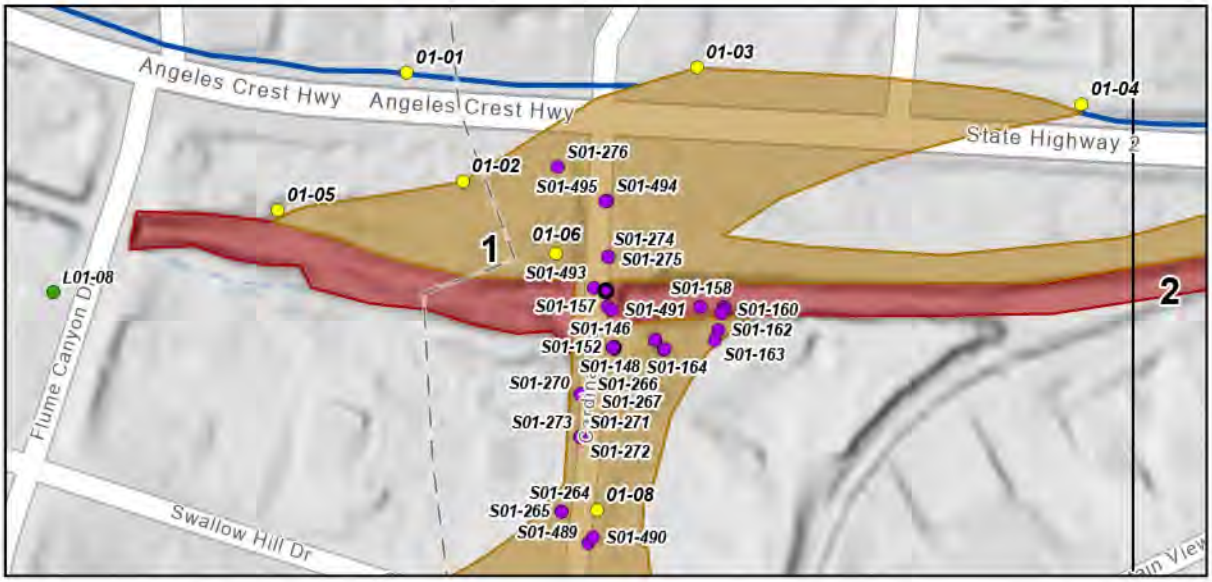


Appendix D
SB County Obs.

S01-492

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 — 50 m



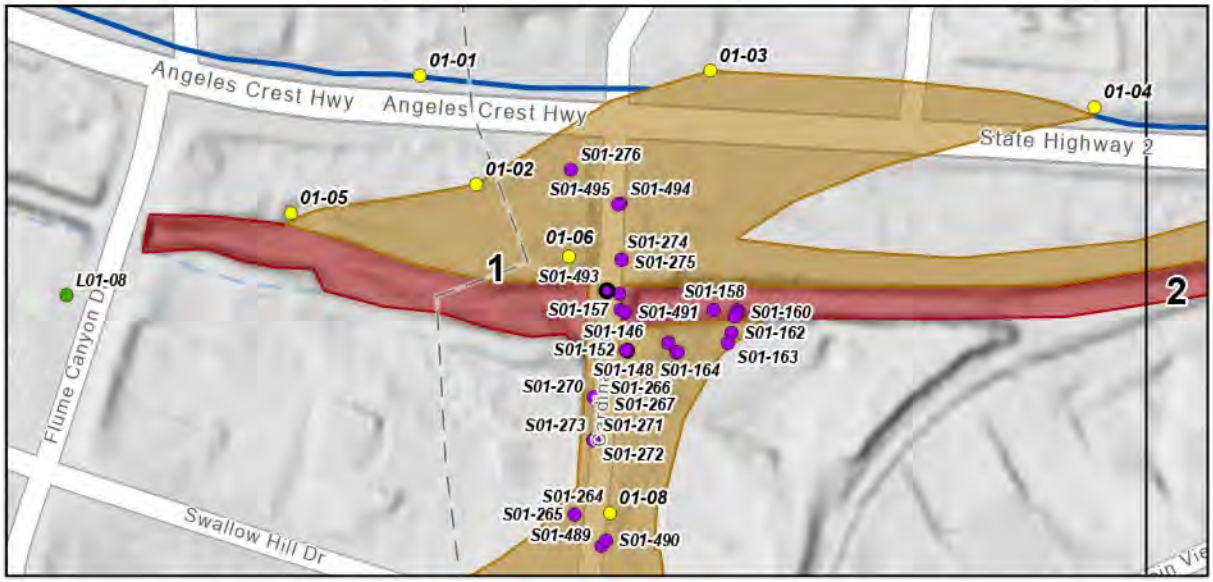


Appendix D
SB County Obs.

S01-493

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



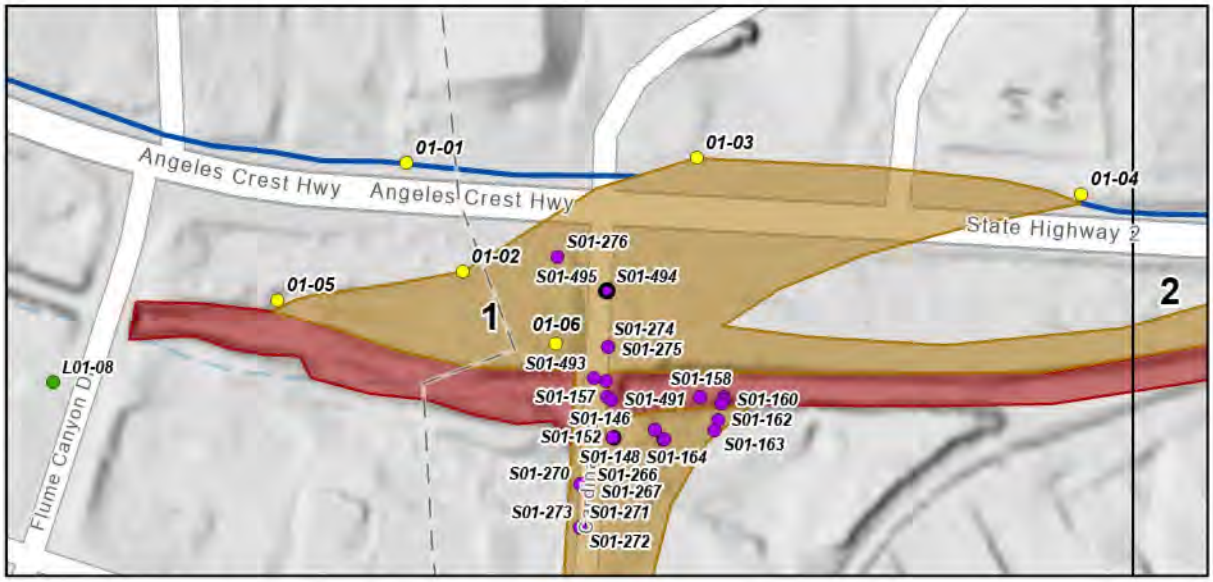


Appendix D
SB County Obs.

S01-494

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



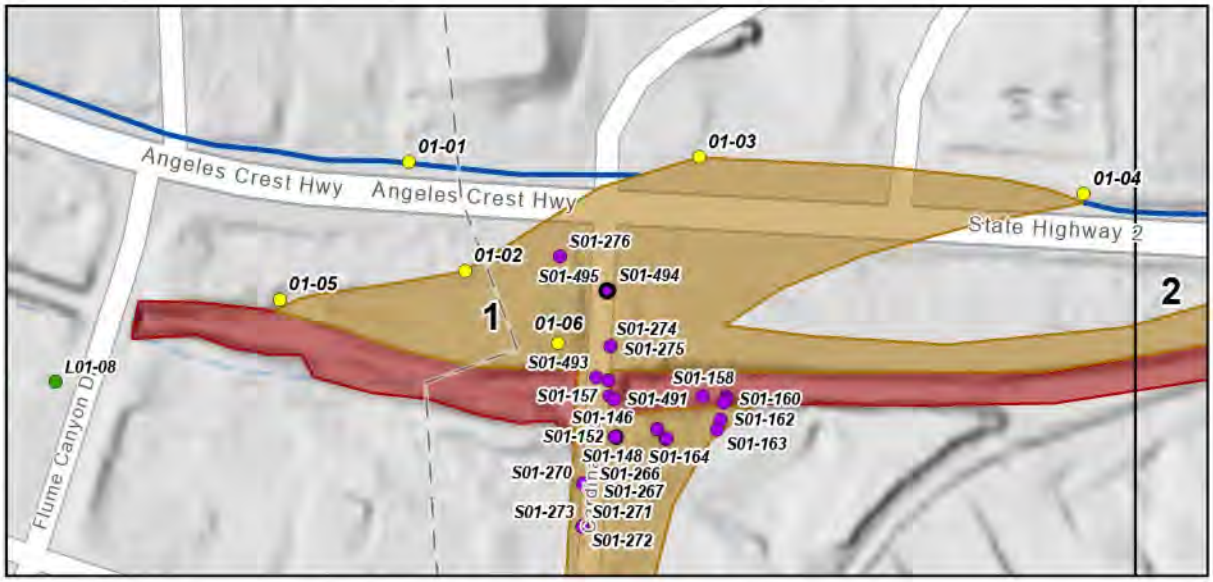


Appendix D
SB County Obs.

S01-495

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



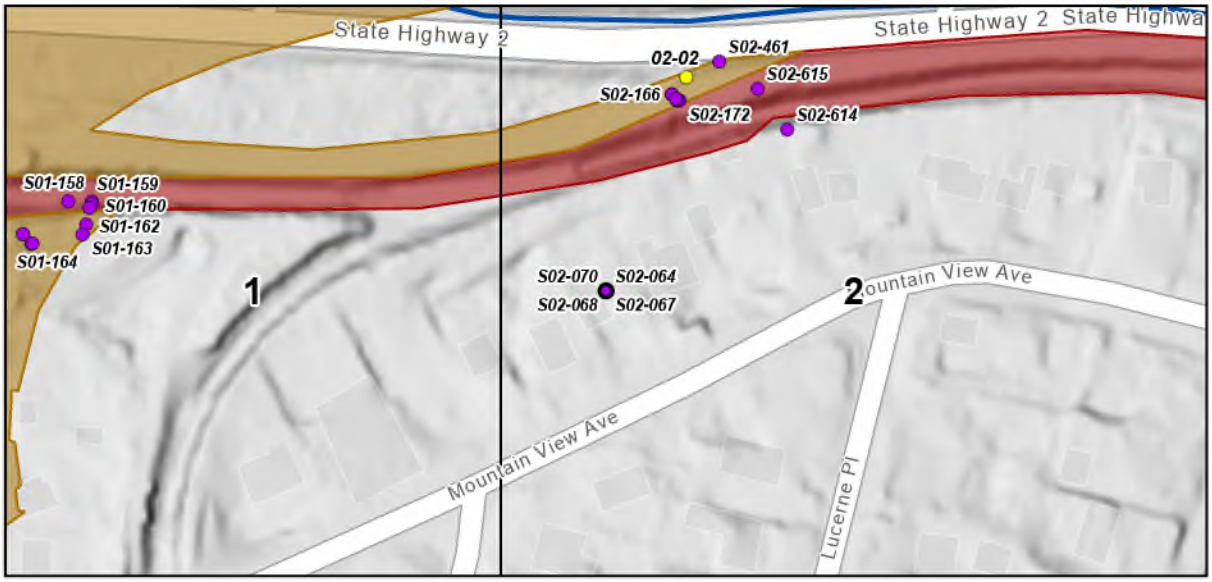


Appendix D
SB County Obs.

S02-064

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



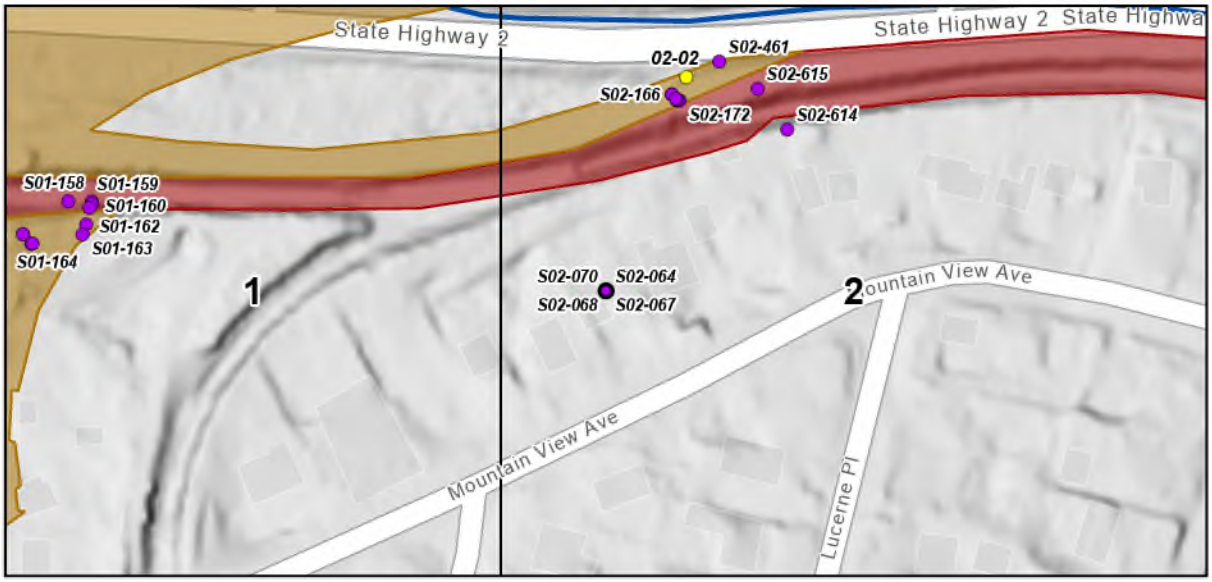


Appendix D
SB County Obs.

S02-065

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



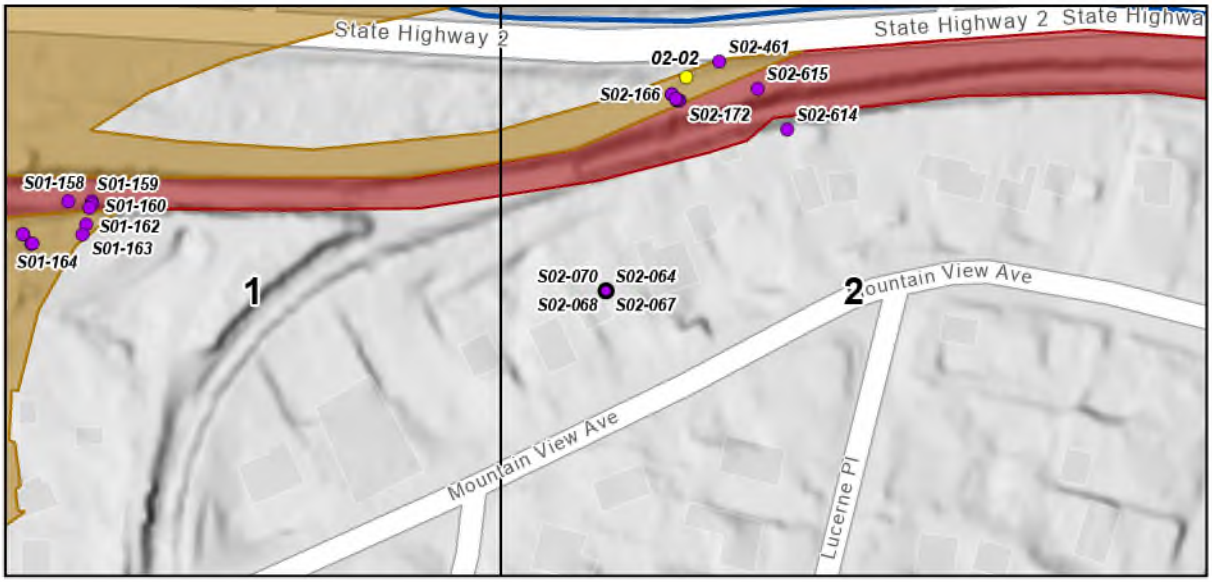


Appendix D
SB County Obs.

S02-066

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



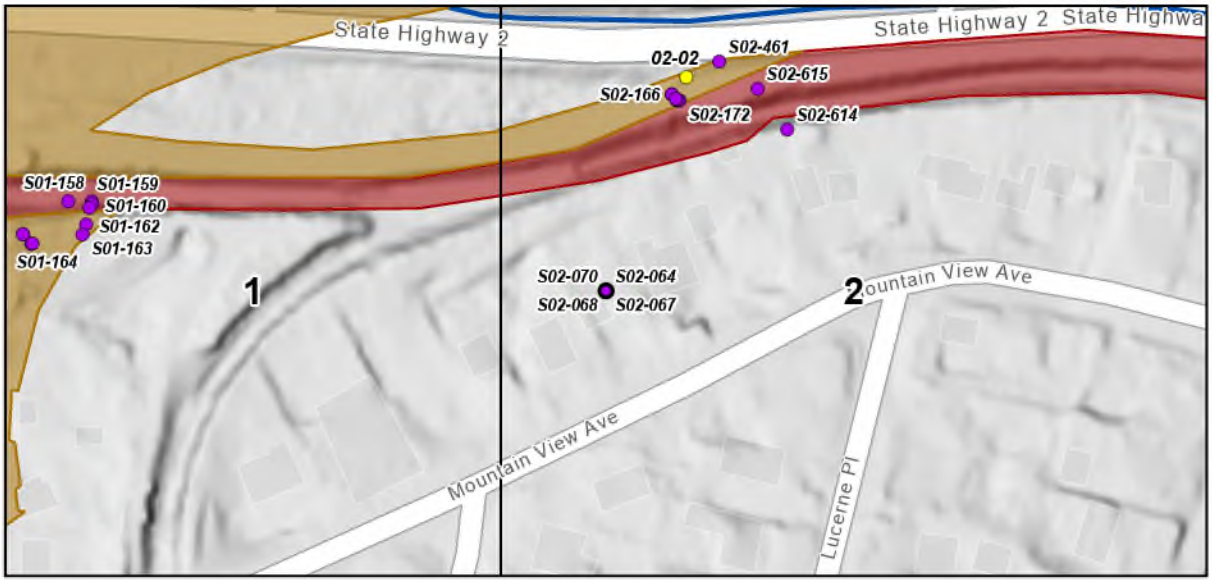


Appendix D
SB County Obs.

S02-067

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



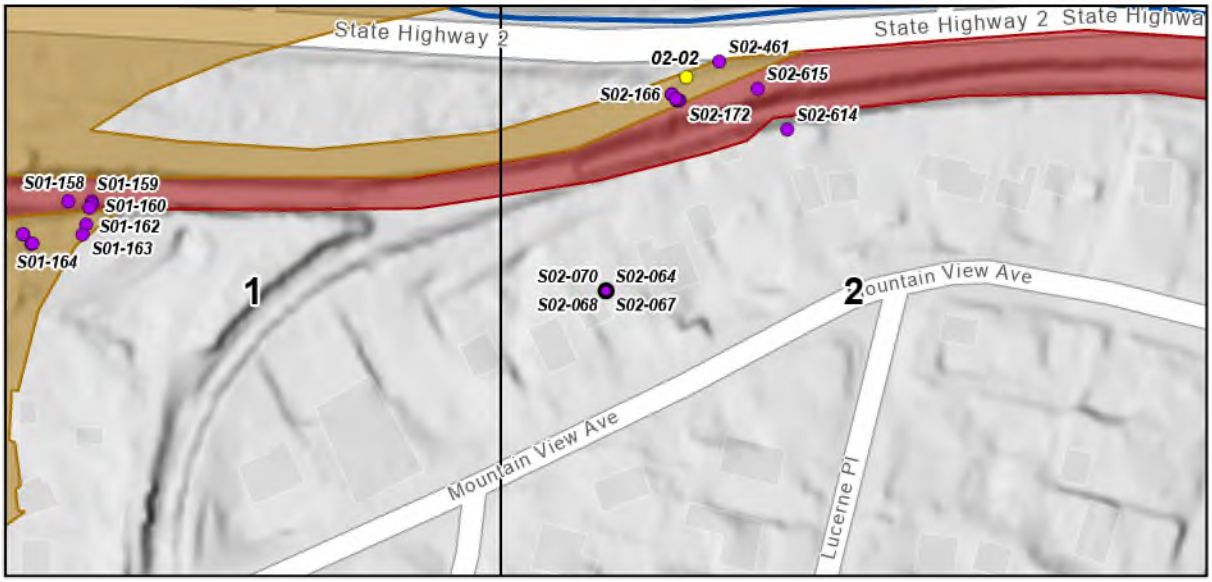


Appendix D
SB County Obs.

S02-068

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



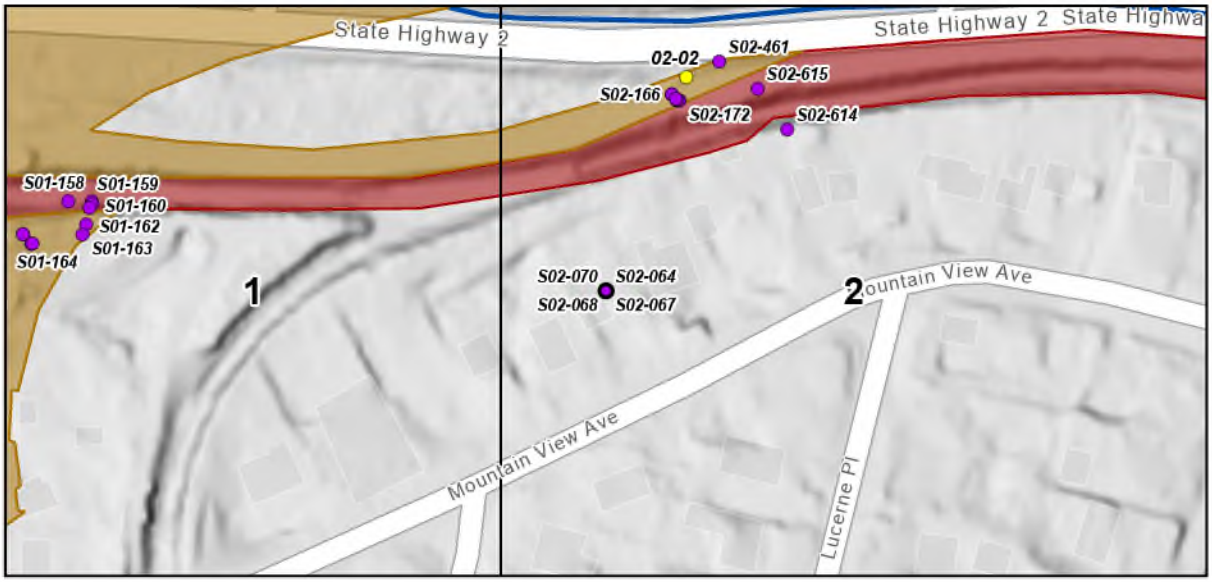


Appendix D
SB County Obs.

S02-069

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



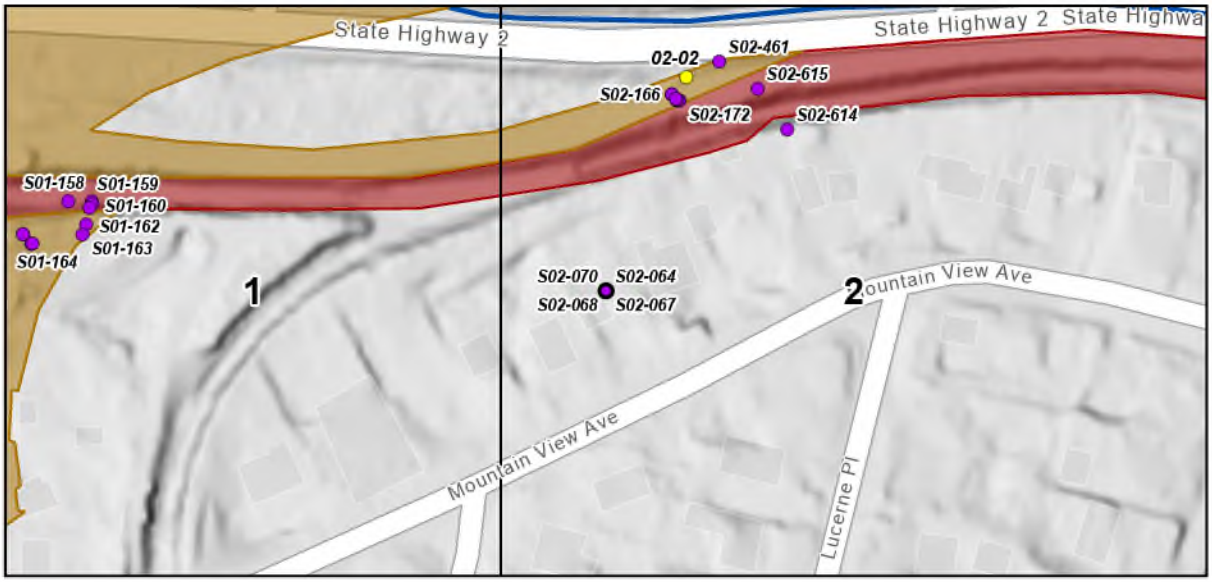


Appendix D
SB County Obs.

S02-070

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



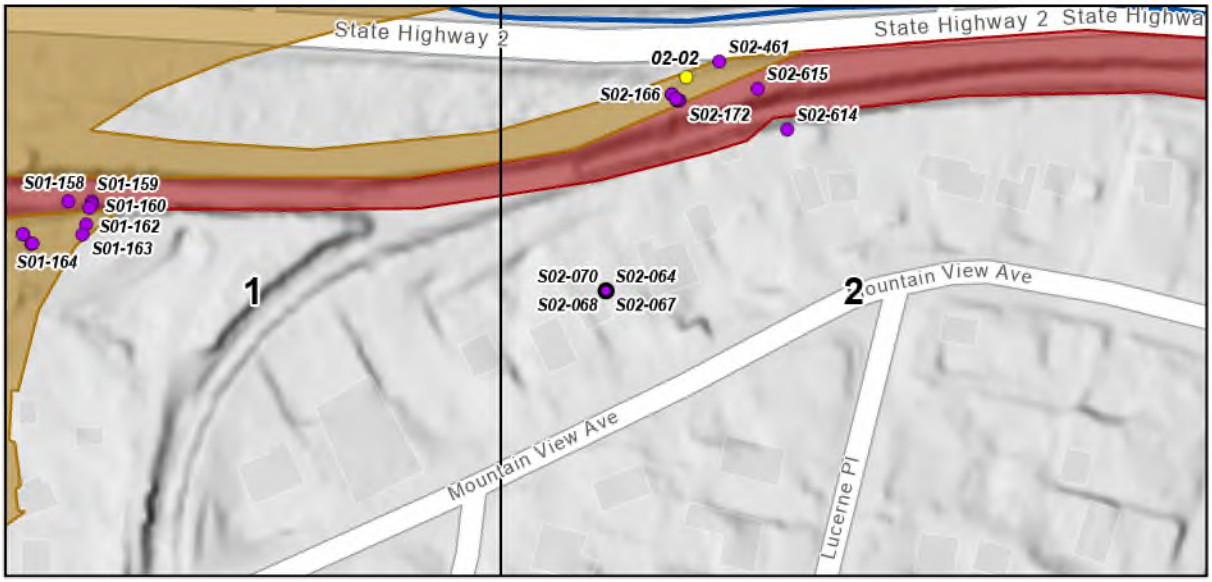


Appendix D
SB County Obs.

S02-071

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



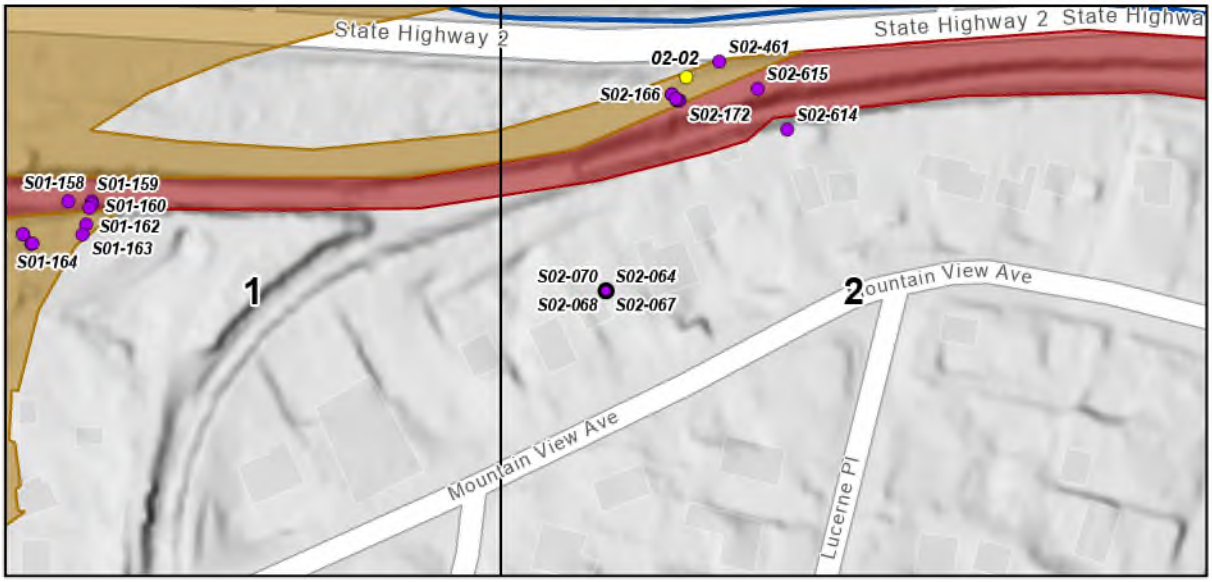


Appendix D
SB County Obs.

S02-072

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



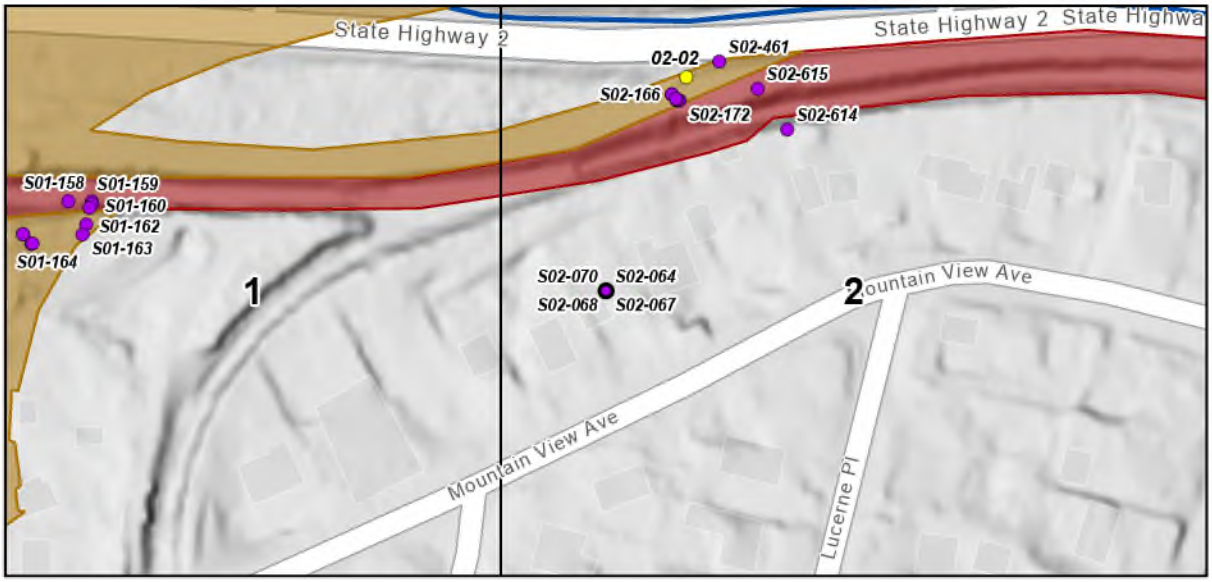


Appendix D
SB County Obs.

S02-073

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



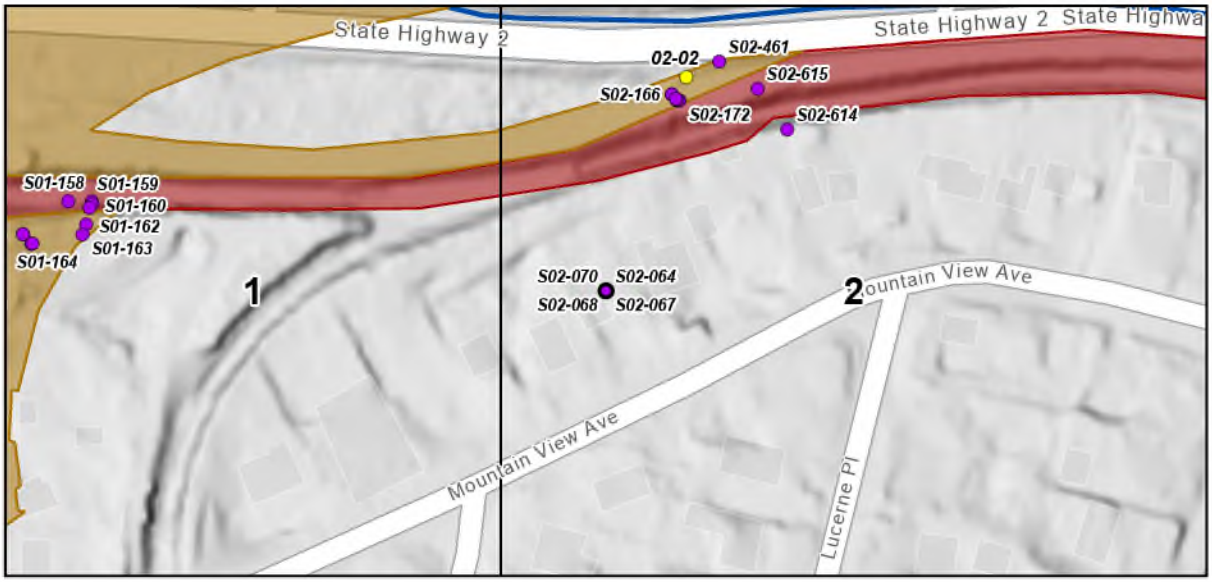


Appendix D
SB County Obs.

S02-074

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



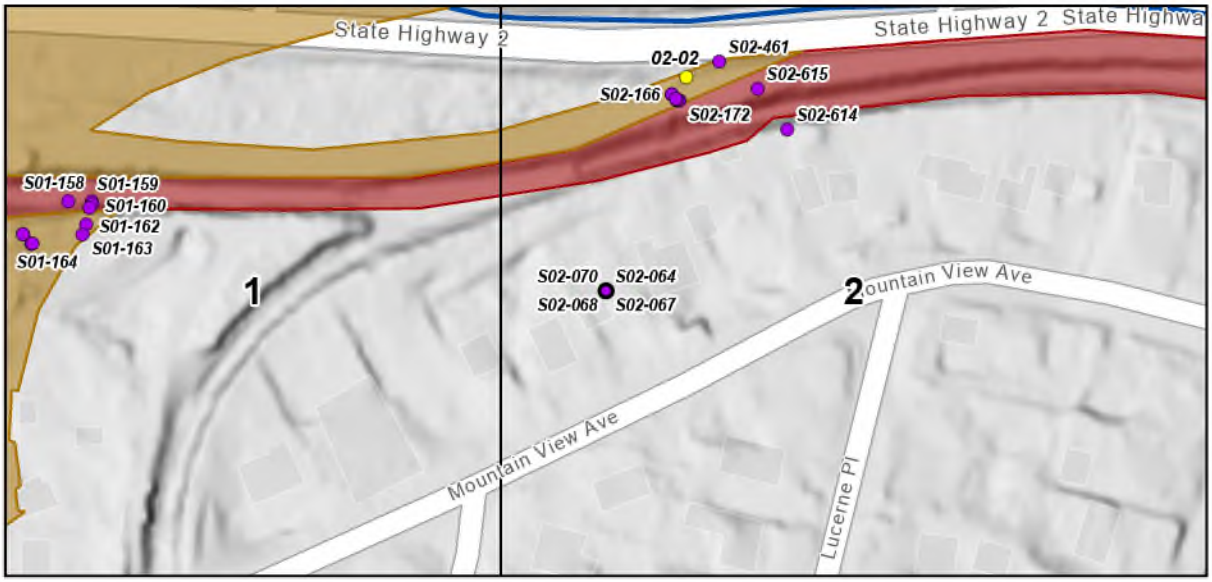


Appendix D
SB County Obs.

S02-075

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



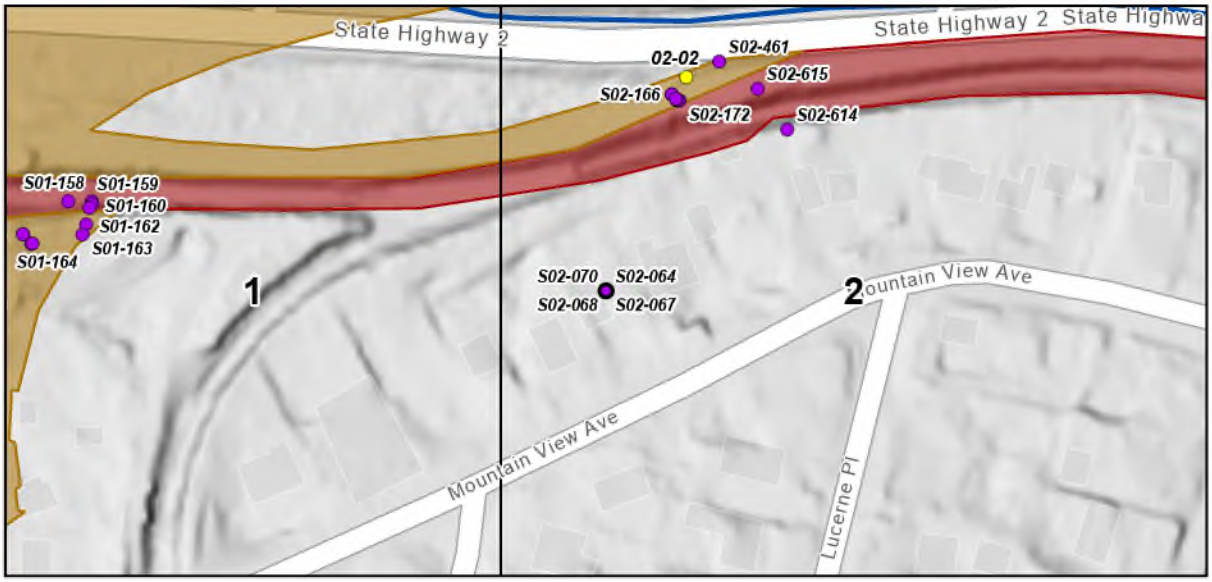


Appendix D
SB County Obs.

S02-076

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

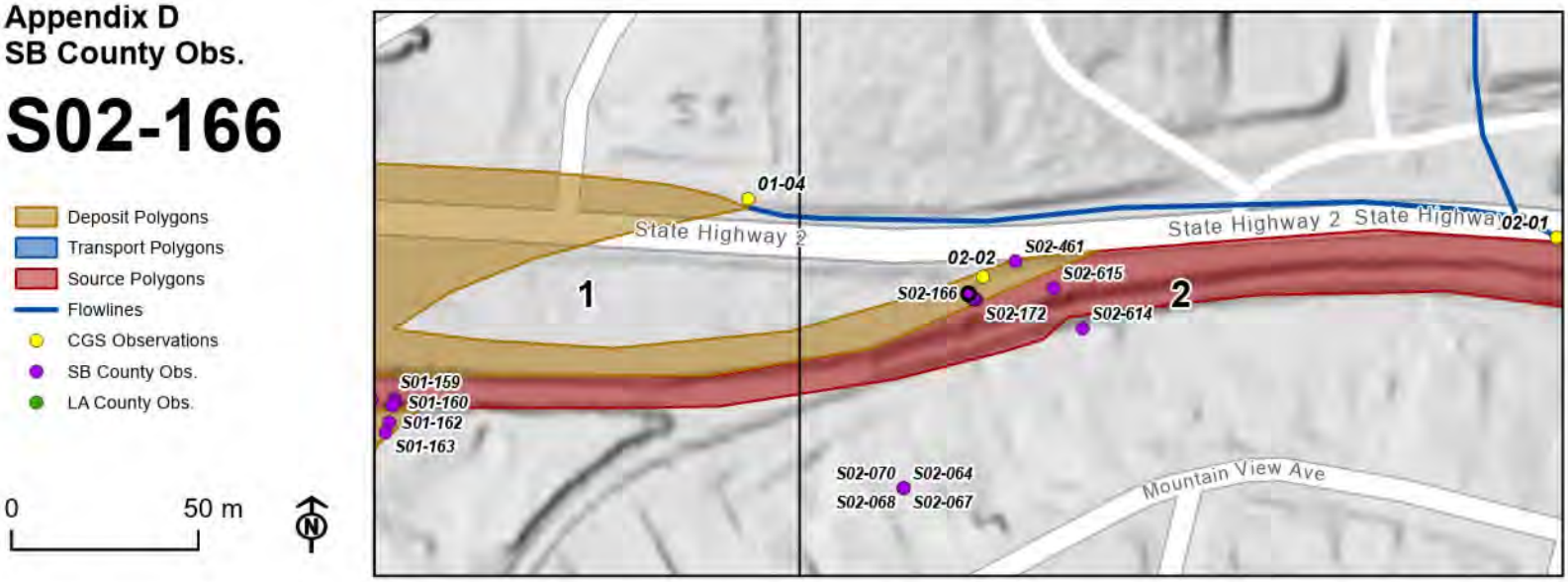
0 50 m





Appendix D
SB County Obs.

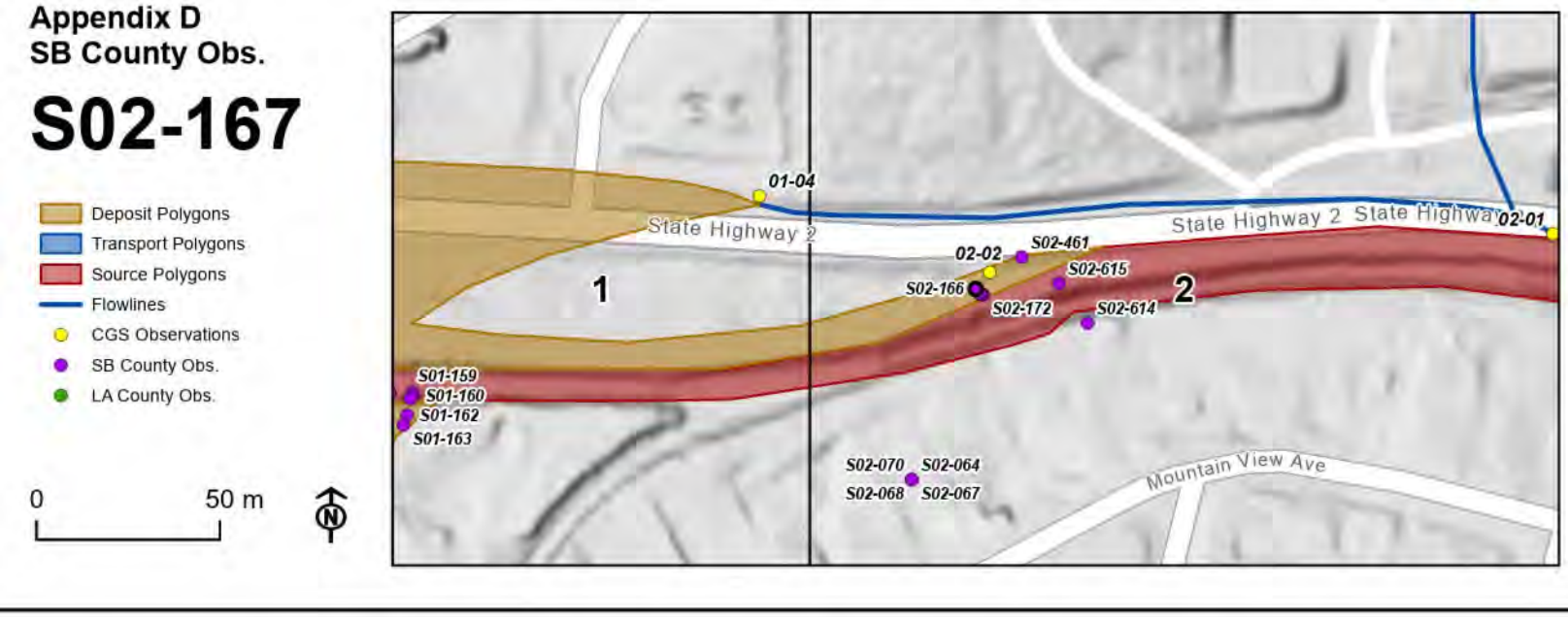
S02-166





Appendix D
SB County Obs.

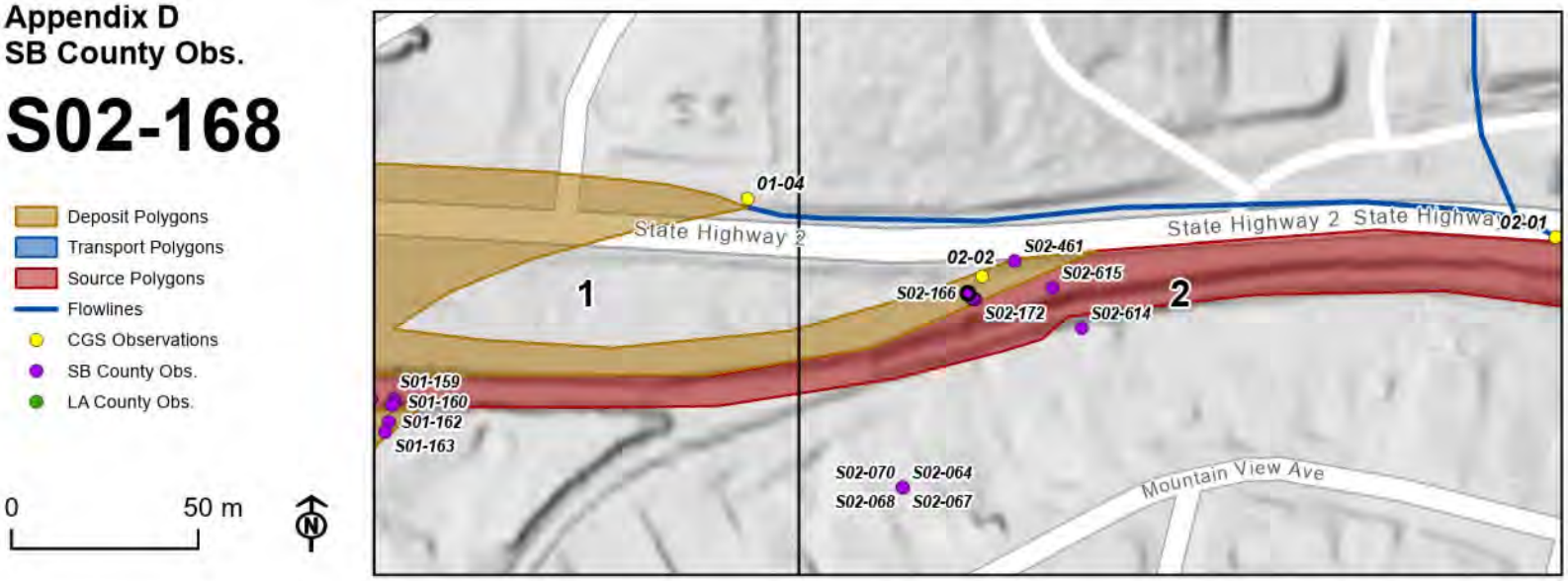
S02-167





Appendix D
SB County Obs.

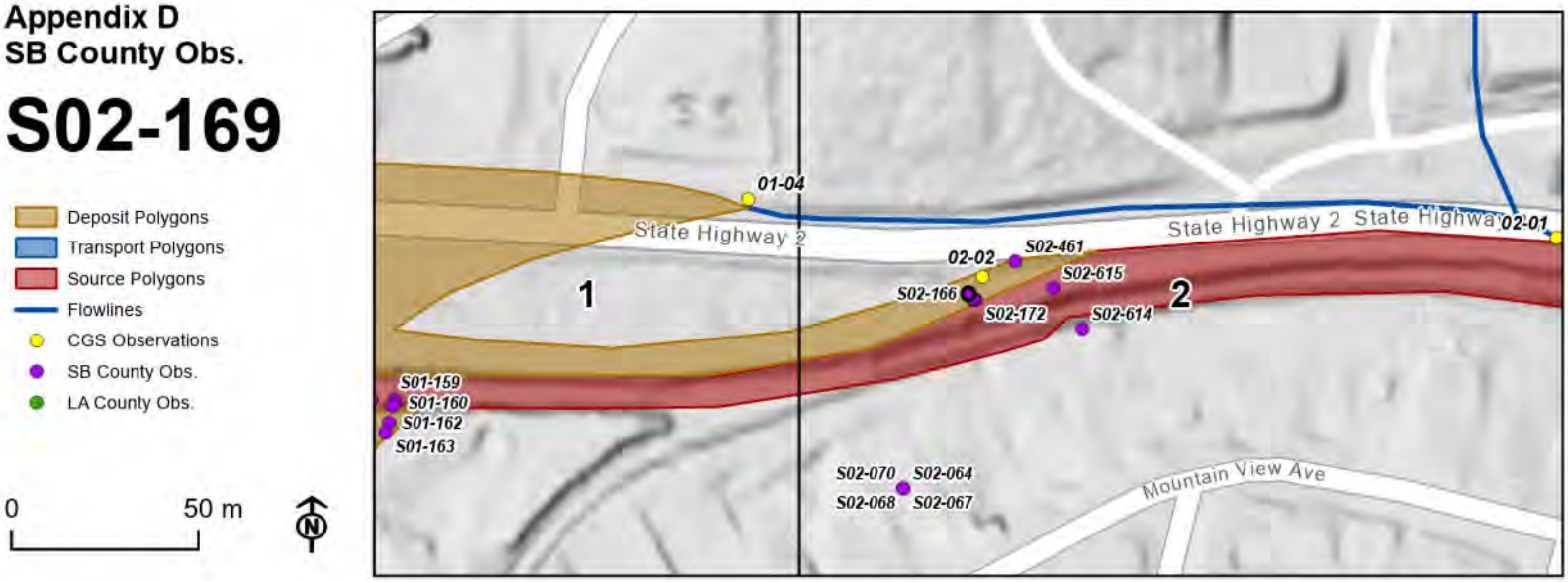
S02-168





Appendix D
SB County Obs.

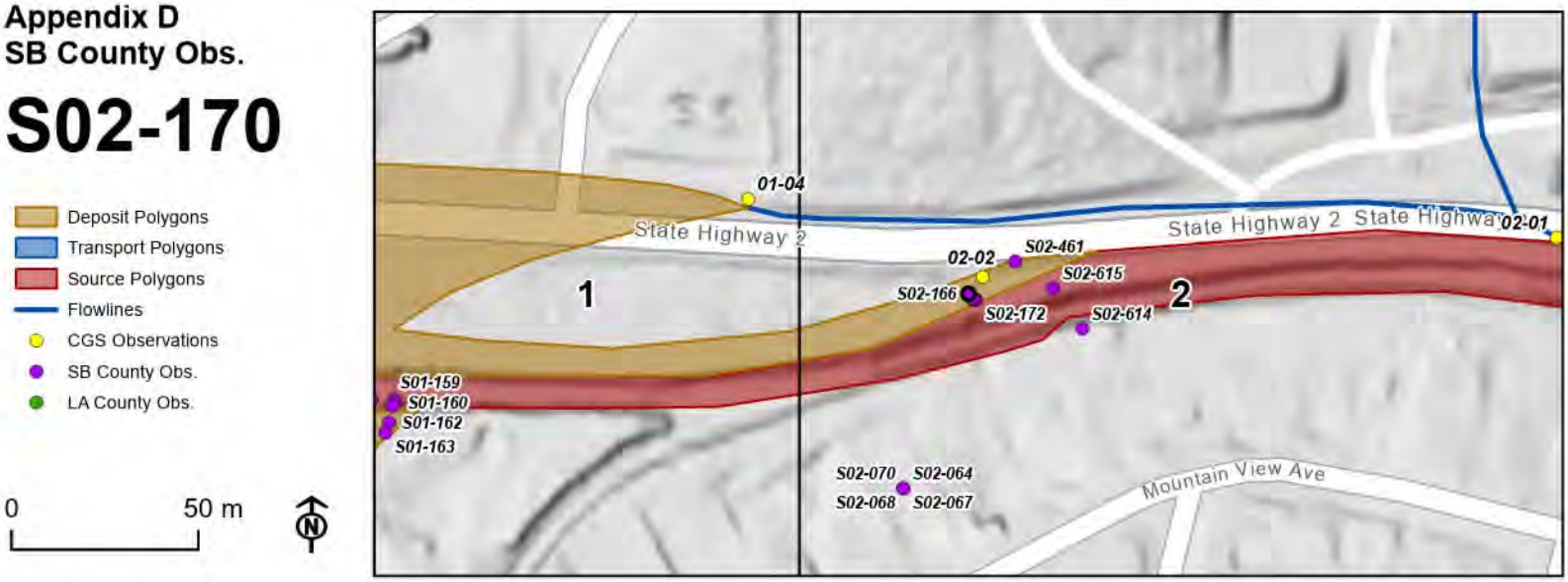
S02-169





Appendix D
SB County Obs.

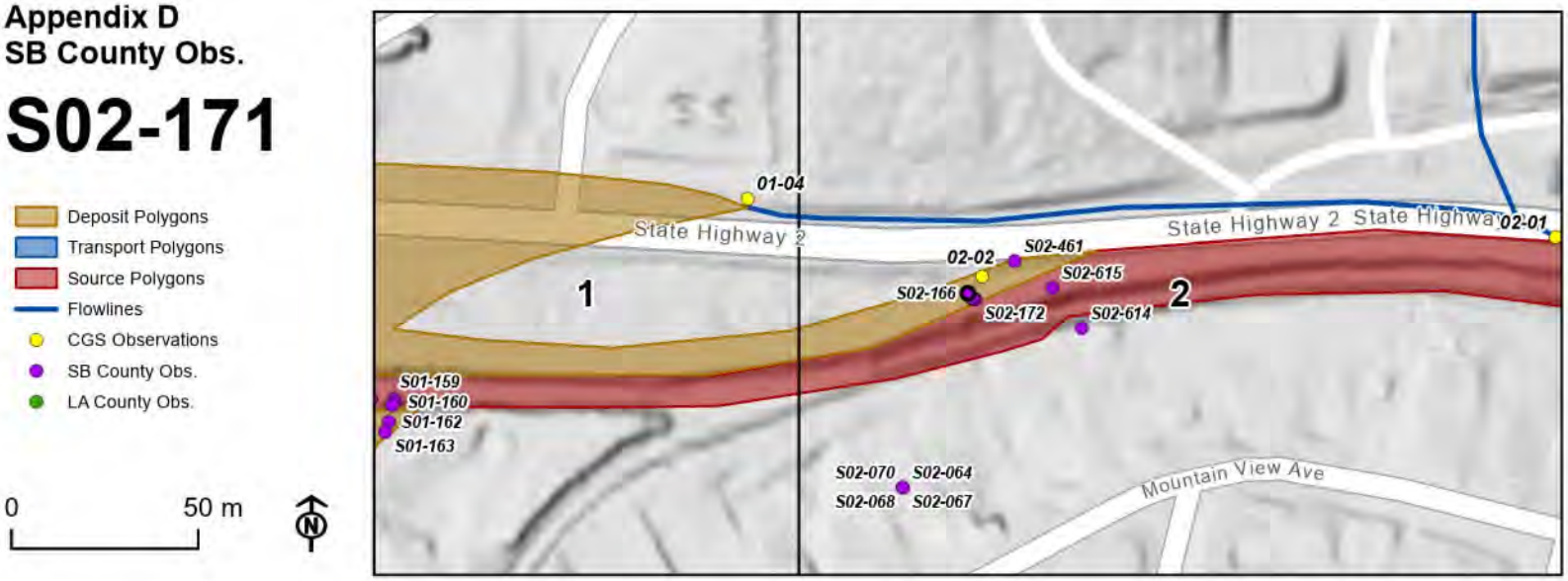
S02-170





Appendix D
SB County Obs.

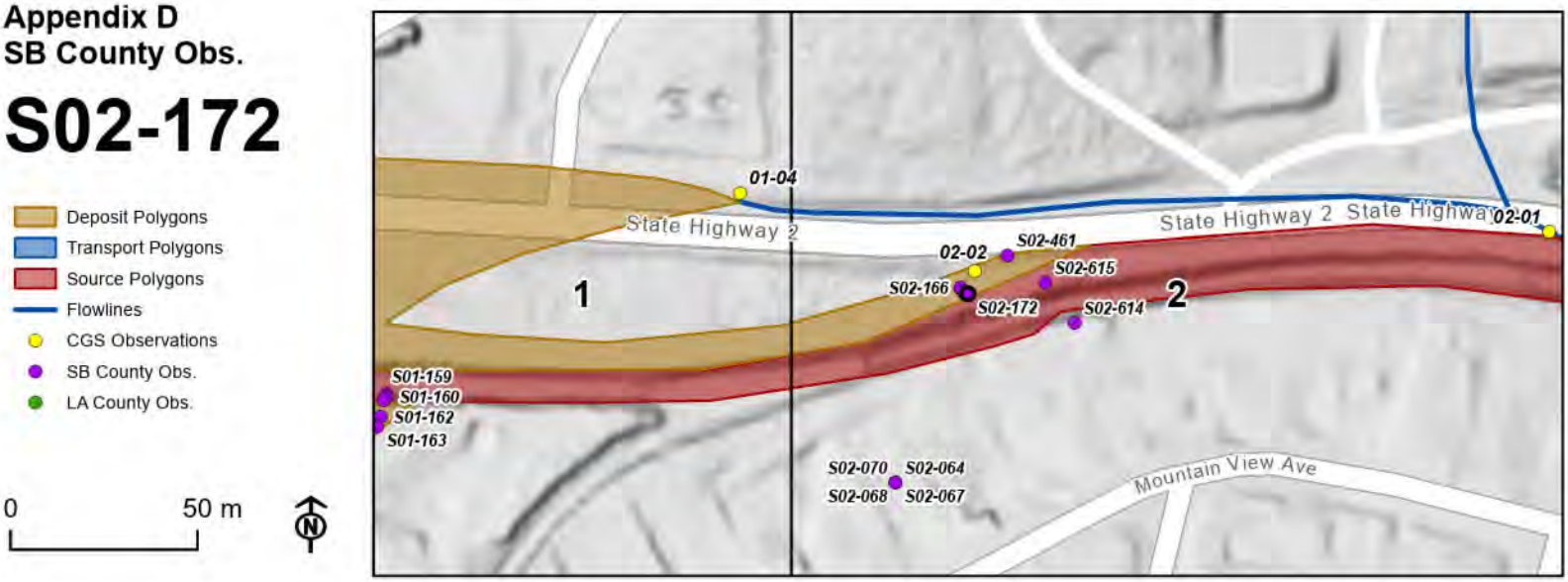
S02-171





Appendix D
SB County Obs.

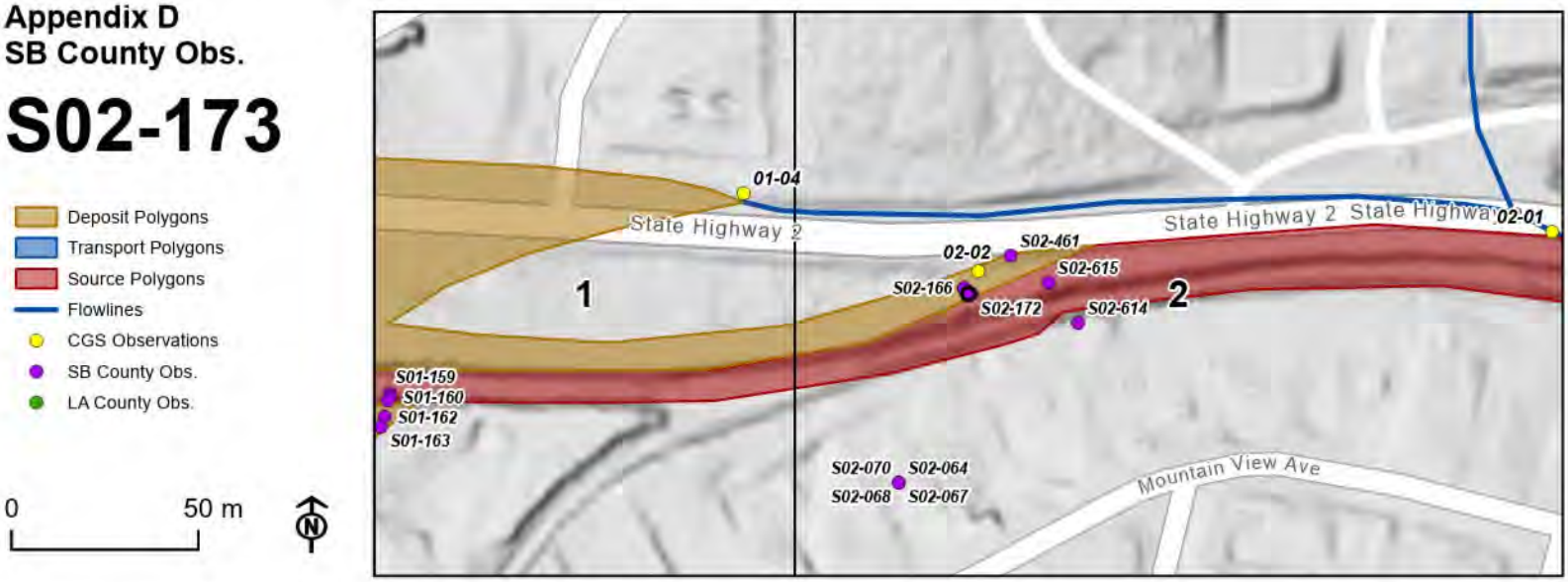
S02-172





Appendix D
SB County Obs.

S02-173





Appendix D
SB County Obs.

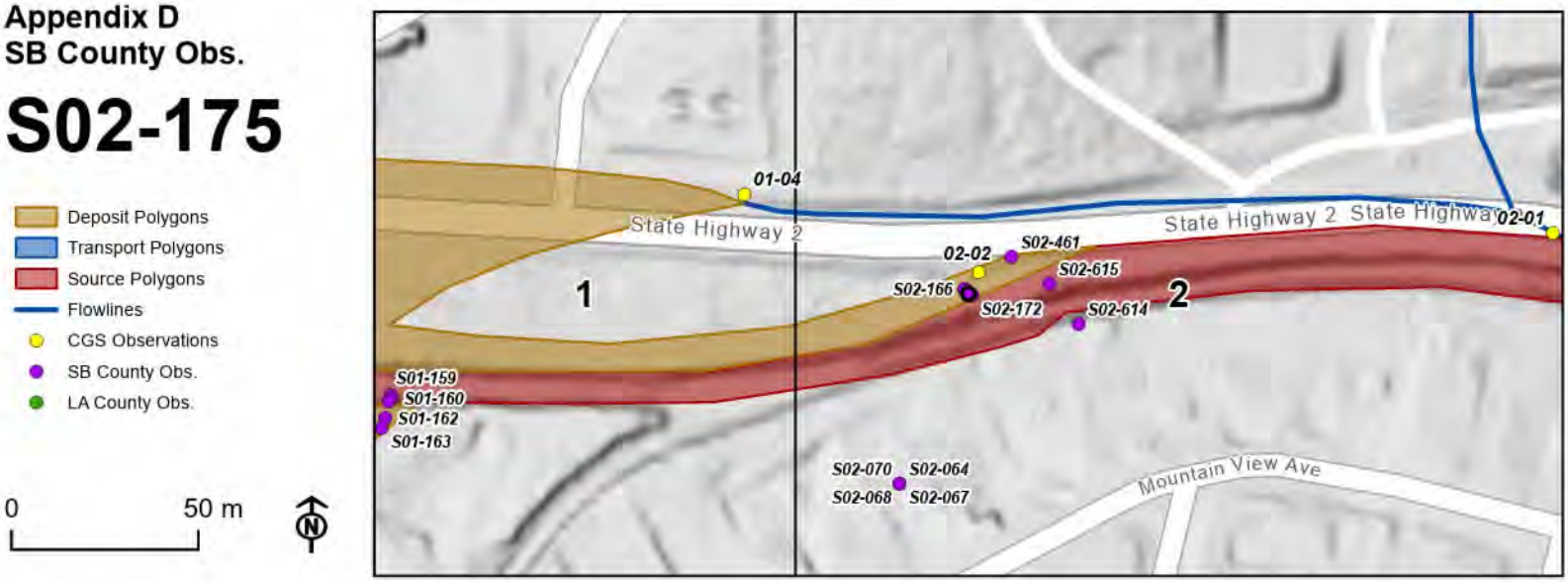
S02-174





Appendix D
SB County Obs.

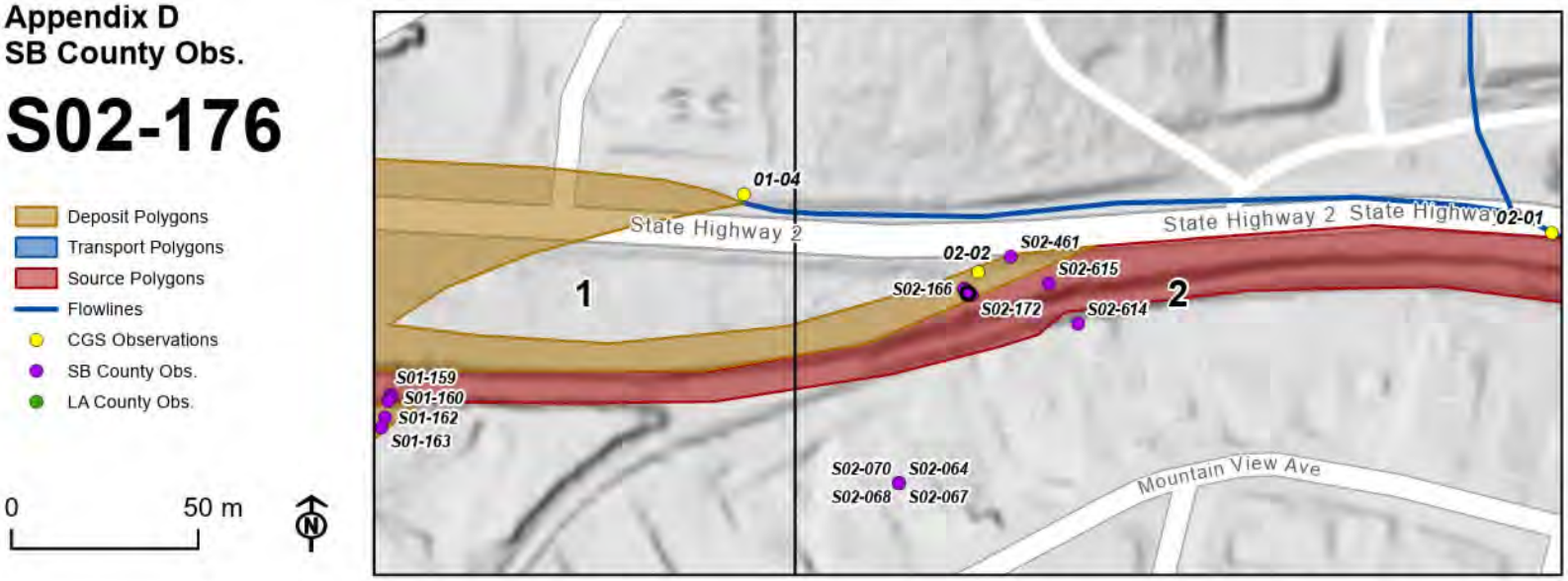
S02-175





Appendix D
SB County Obs.

S02-176





Appendix D
SB County Obs.

S02-177

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S02-178

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m

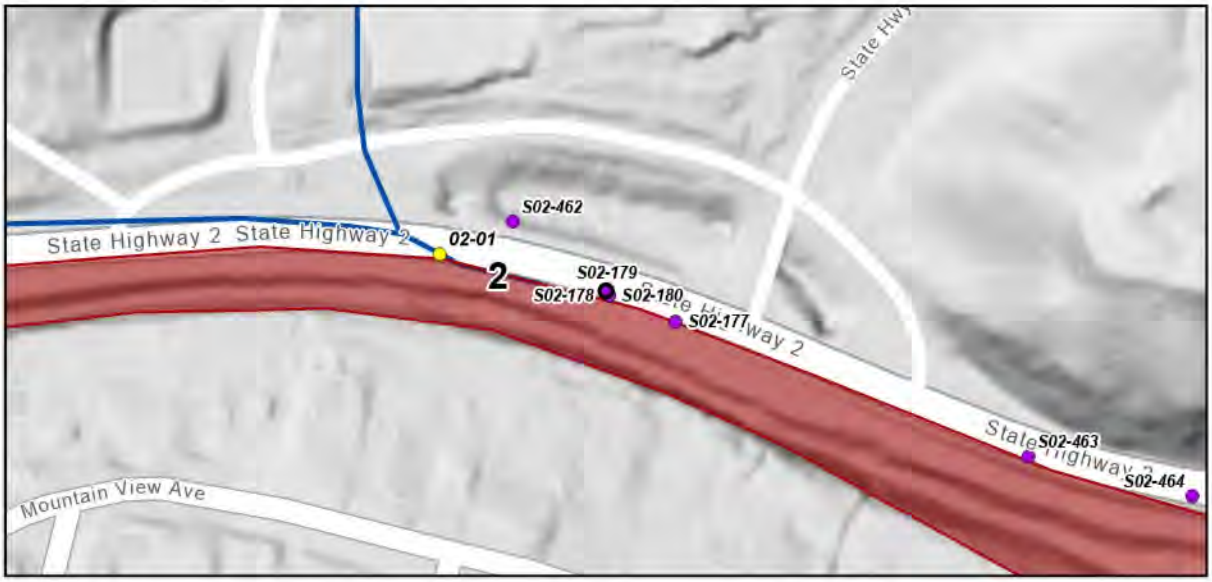




Appendix D
SB County Obs.

S02-179







Appendix D
SB County Obs.

S02-180

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m

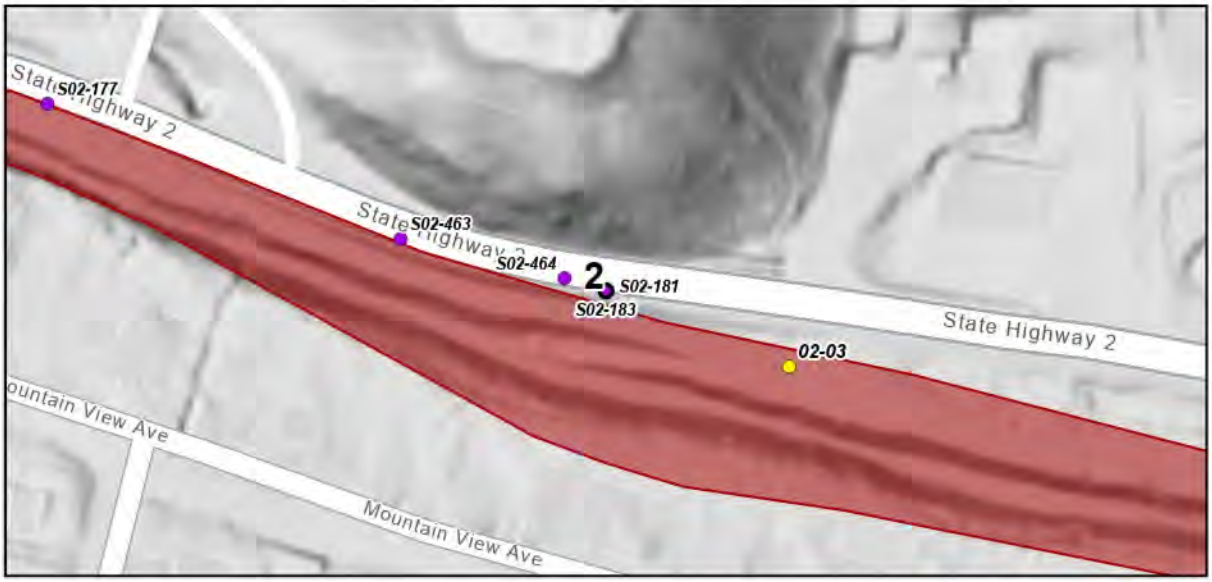




Appendix D
SB County Obs.

S02-181







Appendix D
SB County Obs.

S02-182







Appendix D
SB County Obs.

S02-183







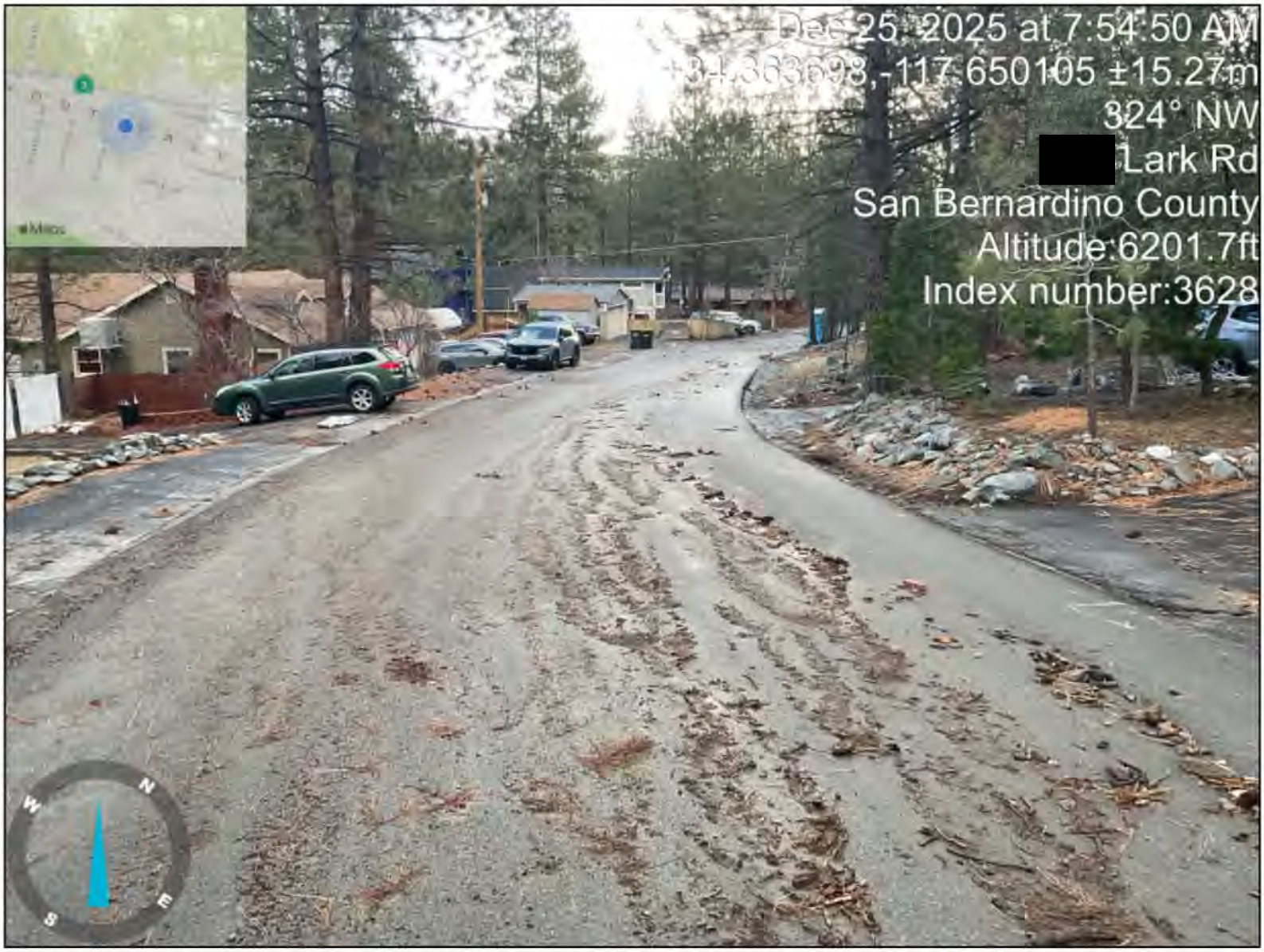
Appendix D
SB County Obs.

S02-293

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





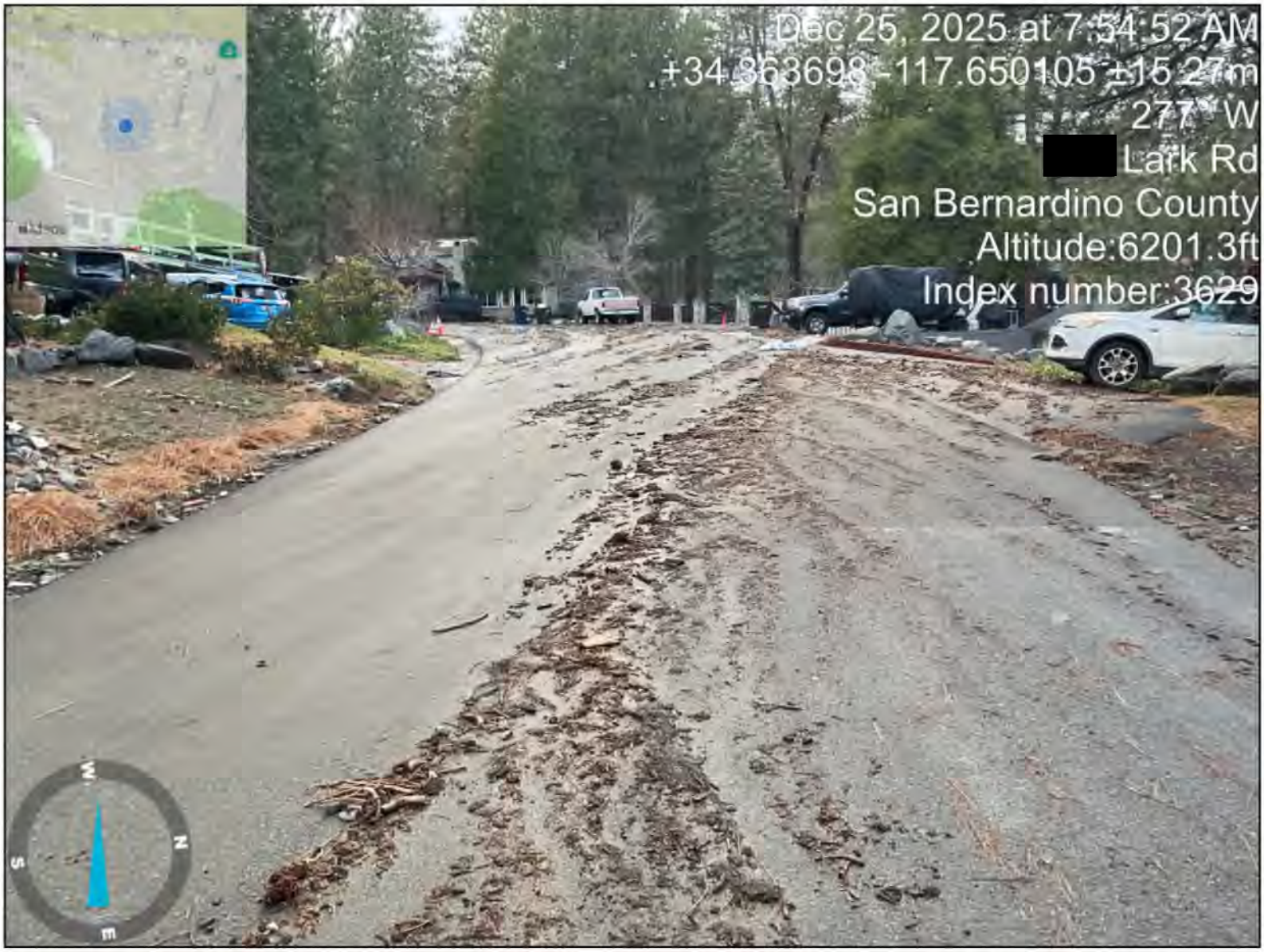
Appendix D
SB County Obs.

S02-294

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S02-329

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S02-330

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



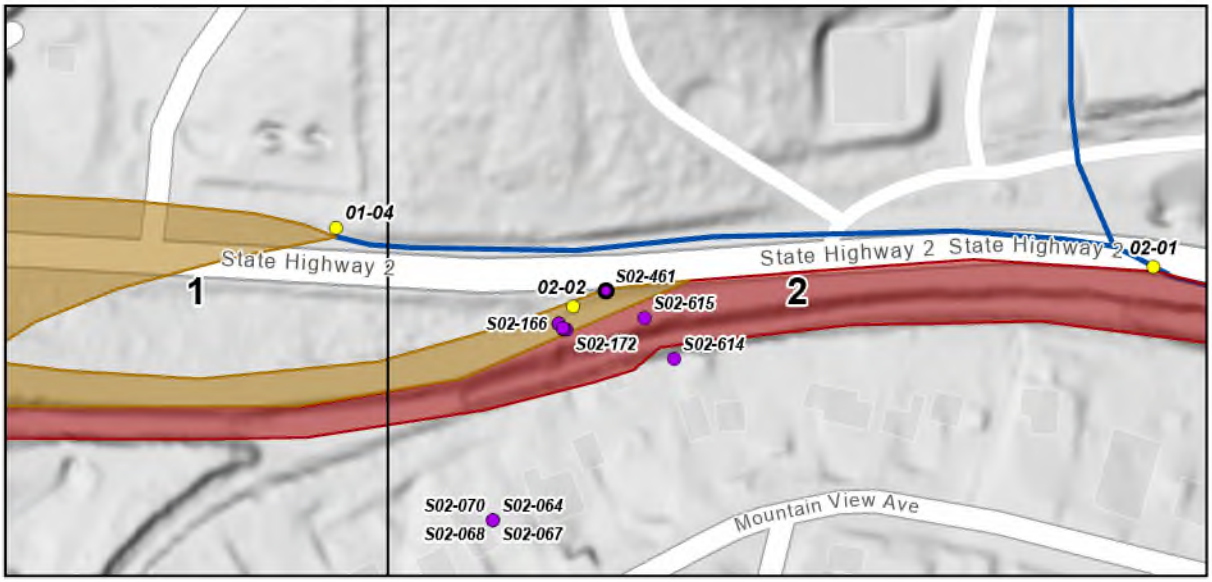


Appendix D
SB County Obs.

S02-461

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



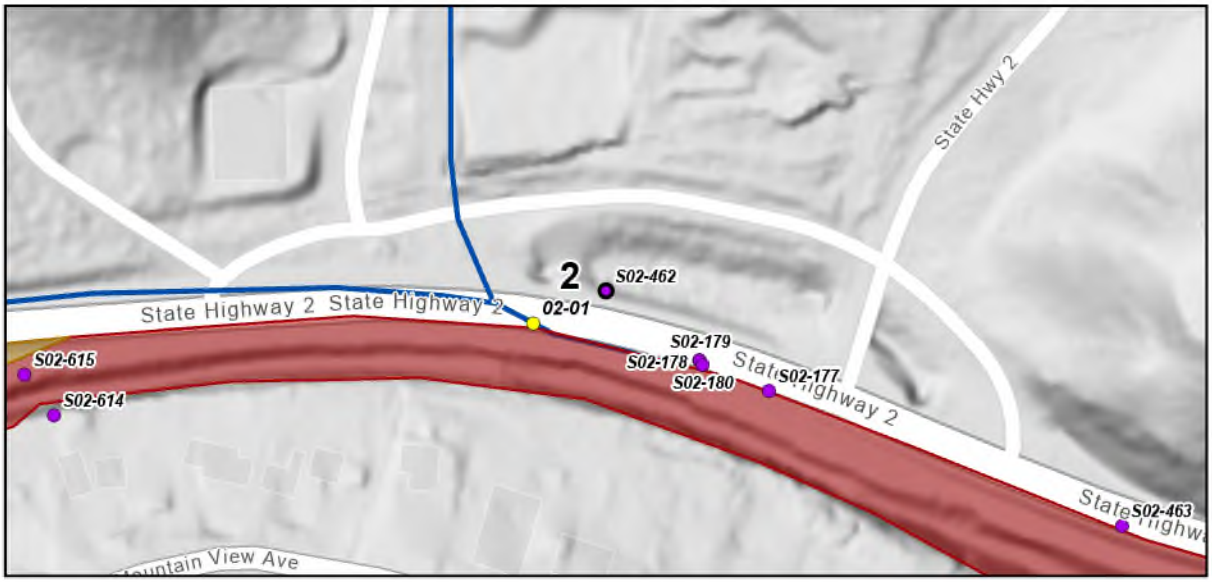


Appendix D
SB County Obs.

S02-462

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S02-463

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



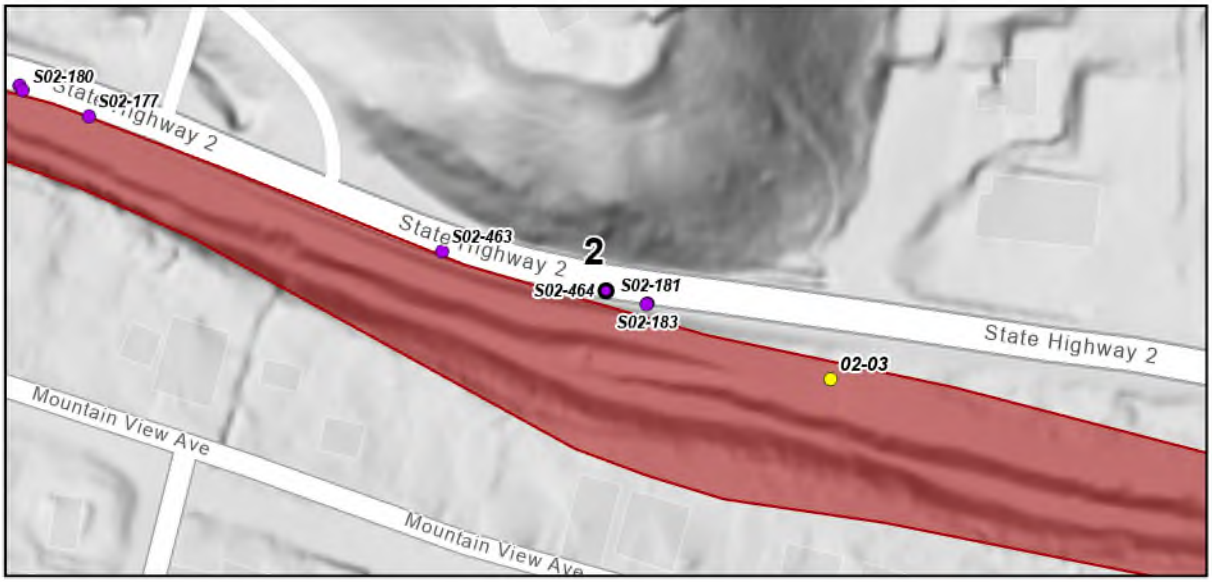


Appendix D
SB County Obs.

S02-464

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

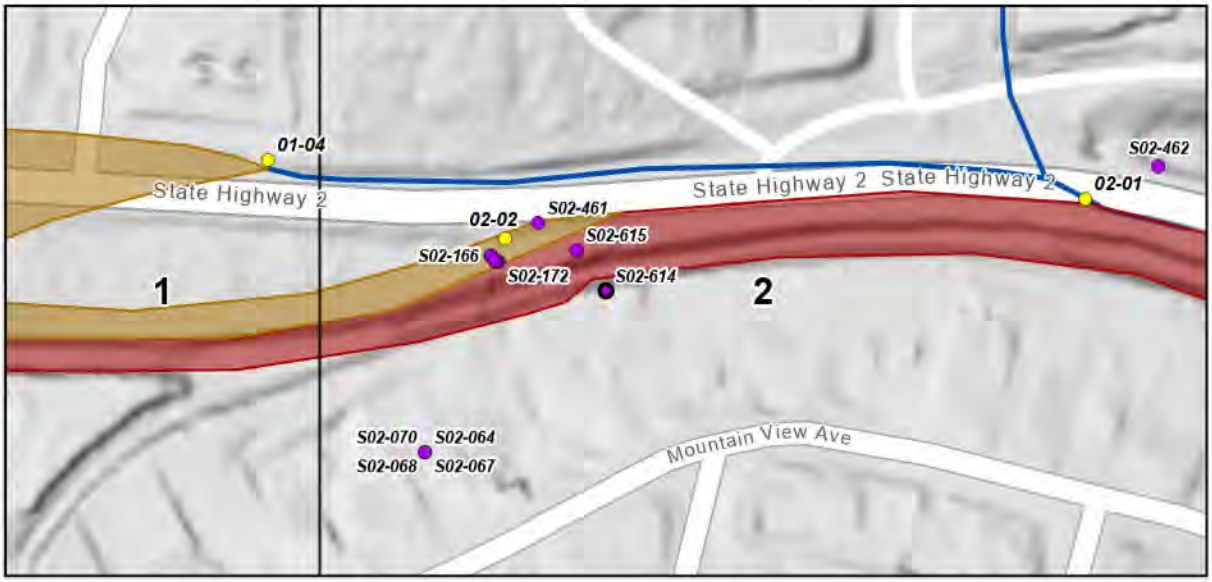
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Appendix D
SB County Obs.

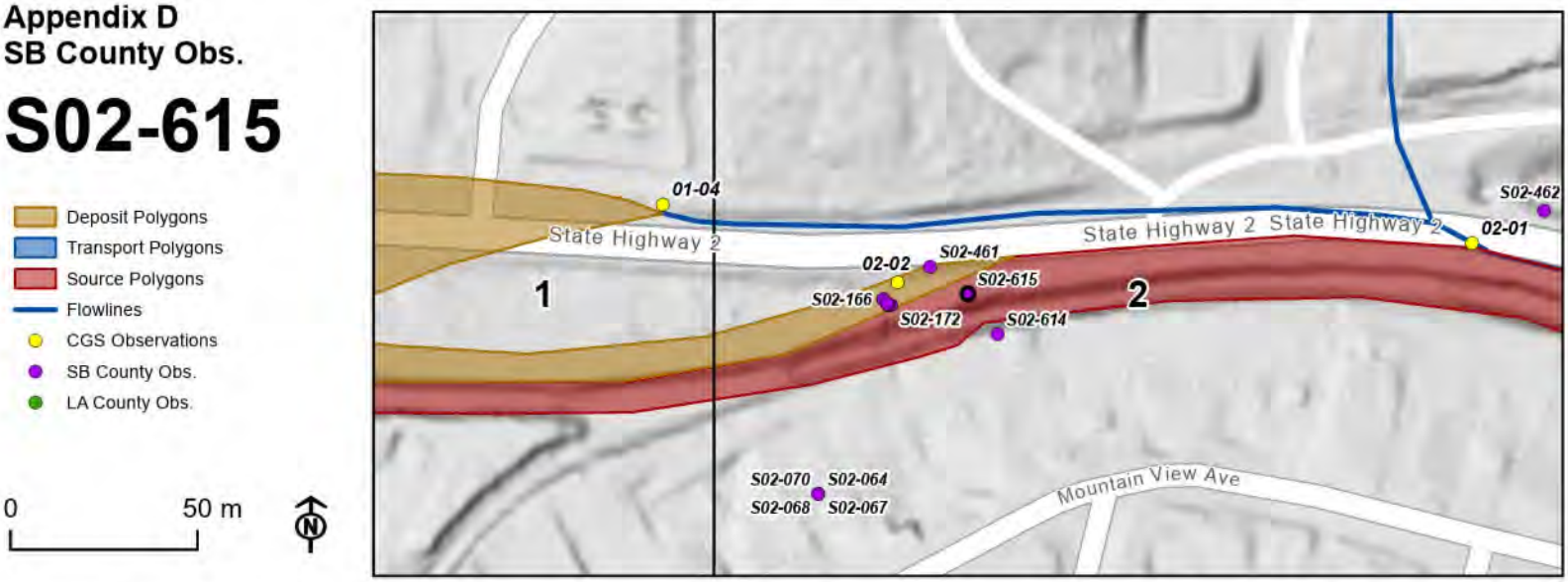
S02-614





Appendix D
SB County Obs.

S02-615





Appendix D
SB County Obs.

S03-035

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-036

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-037

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-038

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-039

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-040

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-041

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-042

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-043

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-044

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-045

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-046

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-047

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-048

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-049

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-050

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-051

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-052

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-053

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-054

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-055

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-056

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-057

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-058

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-059

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-060

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-061

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-062

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-063

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-077

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-078

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-079

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-184

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-185

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-186

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-187

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-188

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-189

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S03-190

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

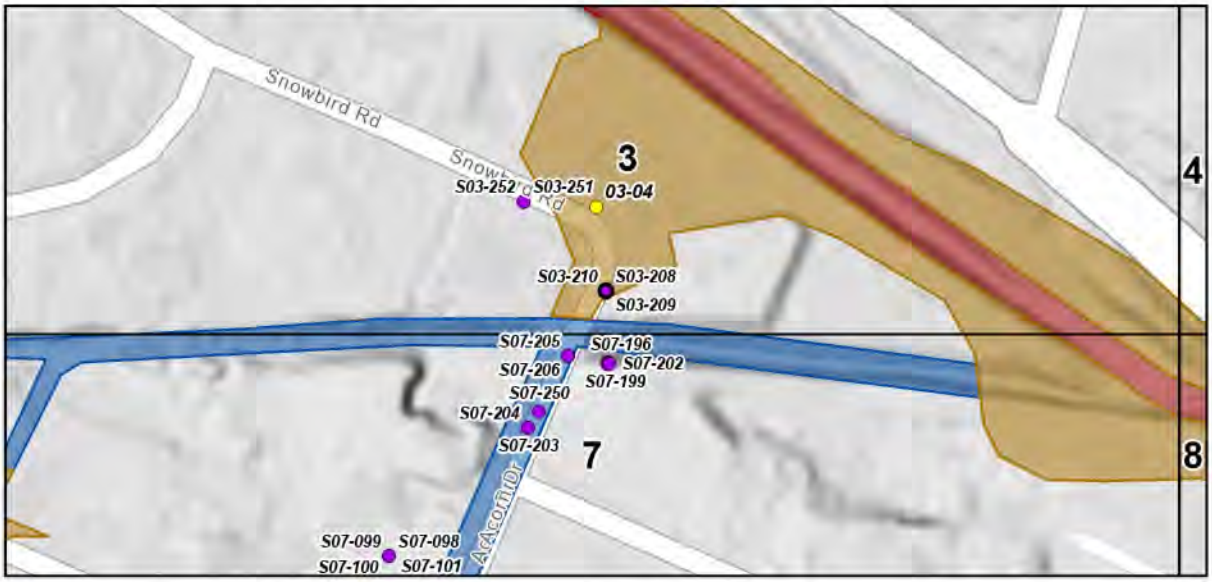
0 50 m





Appendix D
SB County Obs.

S03-208





Appendix D
SB County Obs.

S03-209

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m

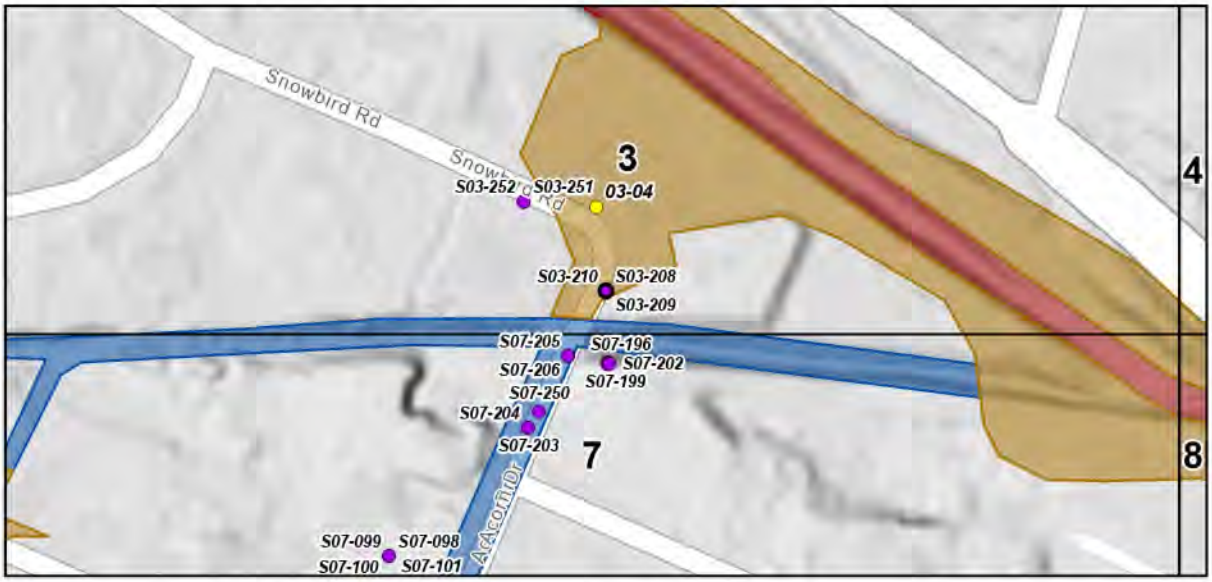


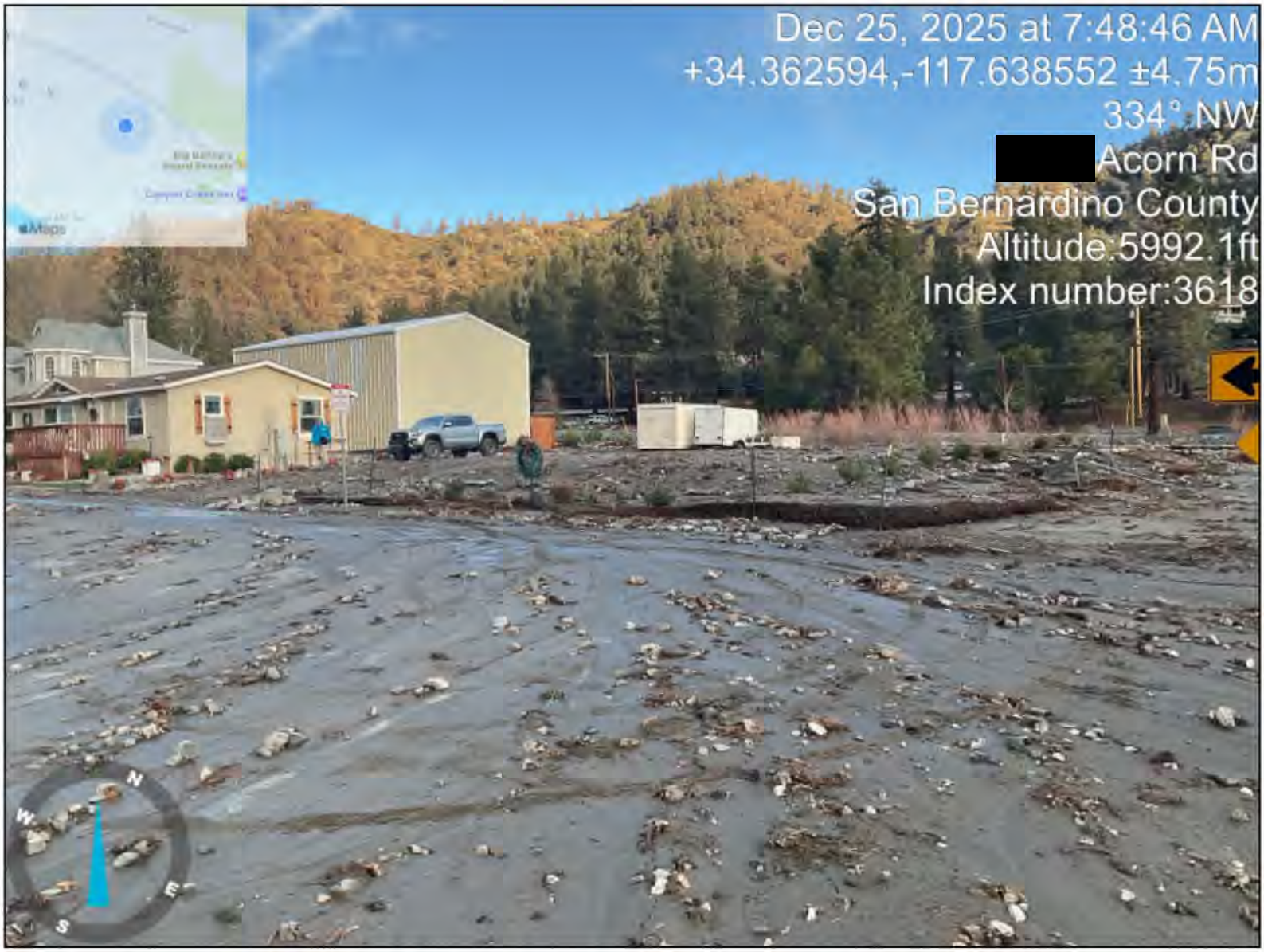


Appendix D
SB County Obs.

S03-210





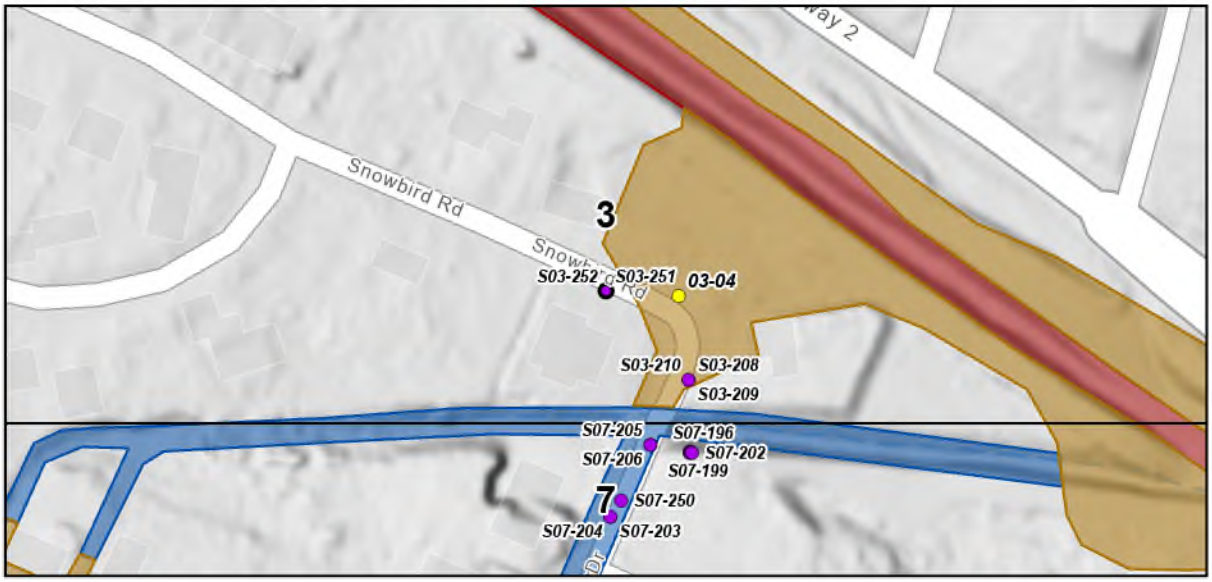


Appendix D
SB County Obs.

S03-251

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



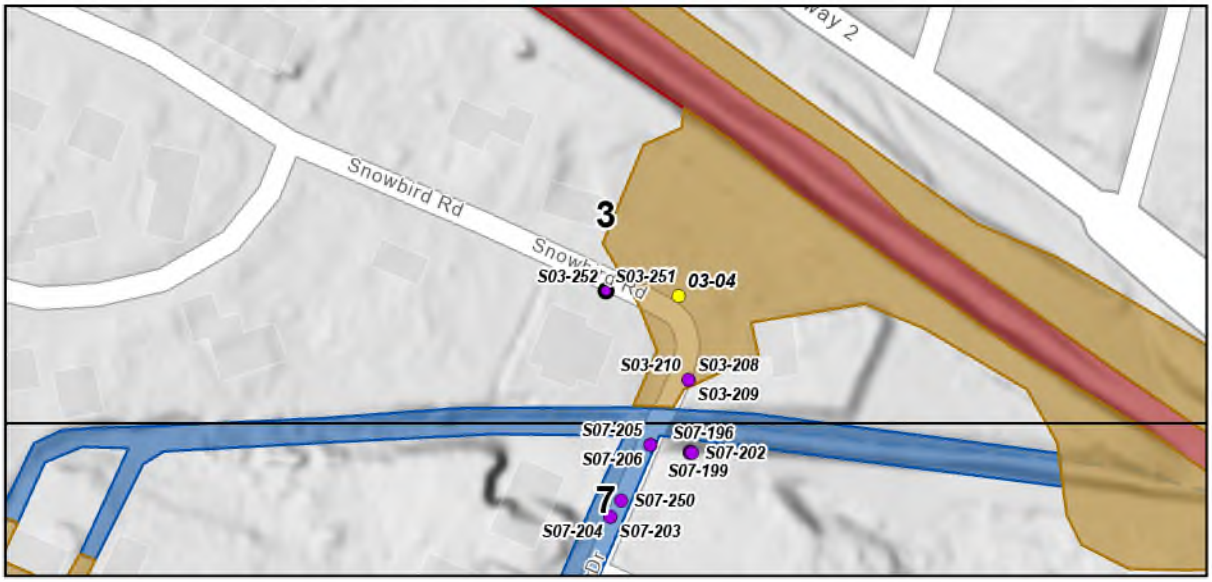


Appendix D
SB County Obs.

S03-252

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S04-083

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S04-084

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S04-085

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S04-086

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S04-087

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S04-088

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S04-089

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S04-090

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S04-091

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S04-092

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S04-093

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



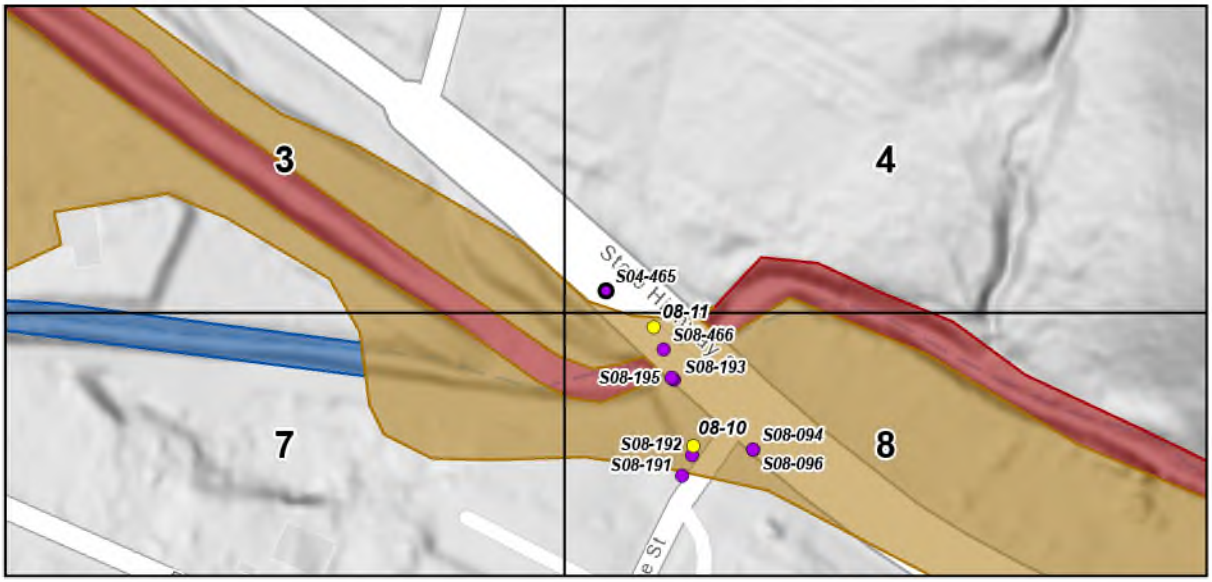


Appendix D
SB County Obs.

S04-465

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





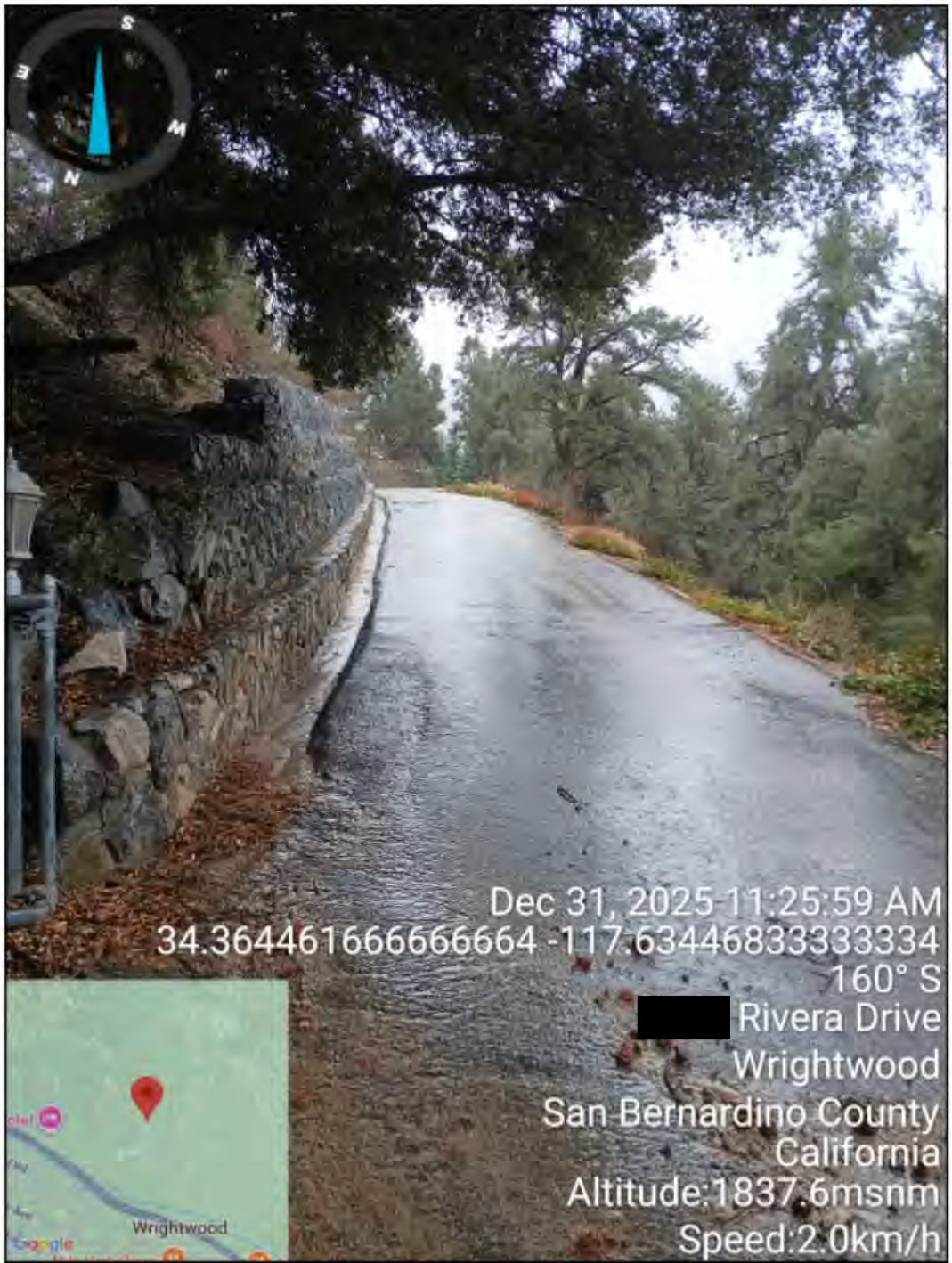
Appendix D
SB County Obs.

S04-597

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S04-598



- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



Appendix D
SB County Obs.

S04-599

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m

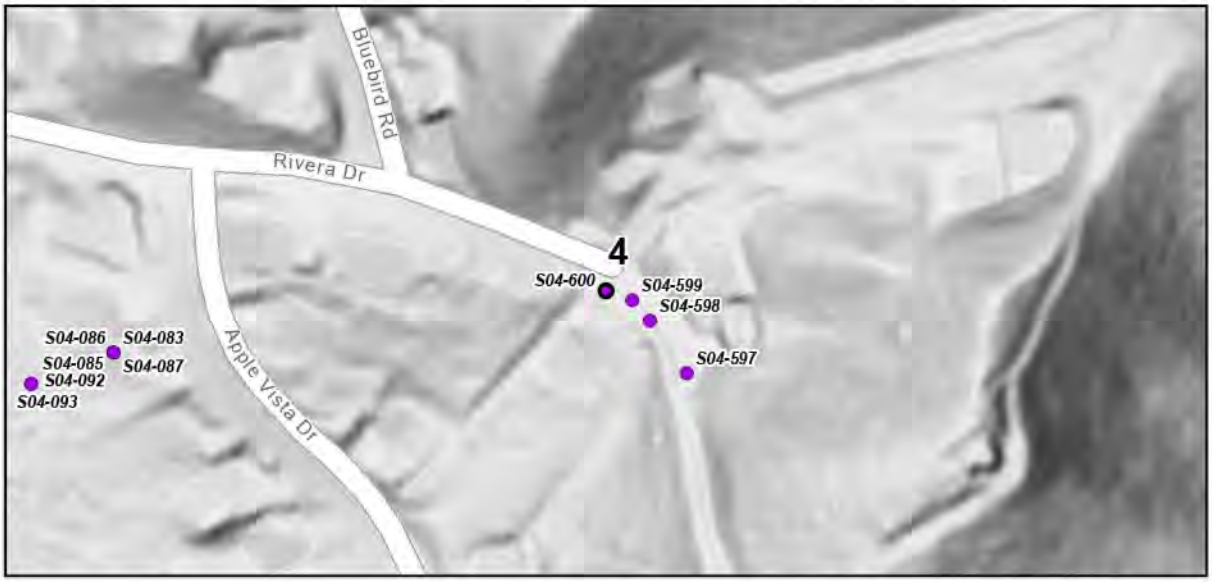




Appendix D
SB County Obs.

S04-600





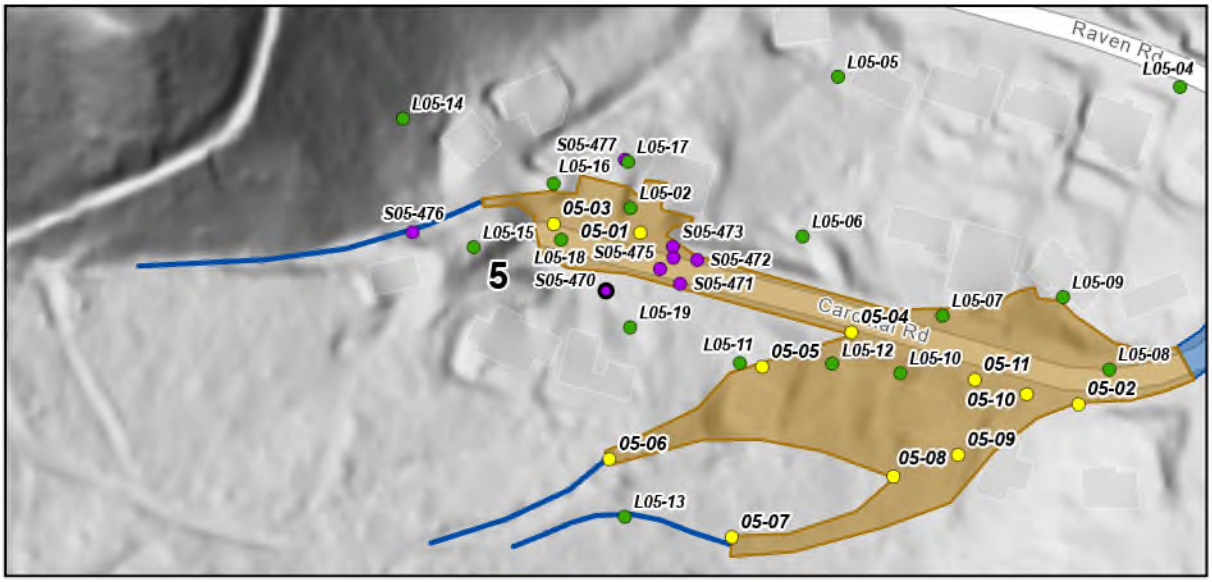


Appendix D
SB County Obs.

S05-470

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



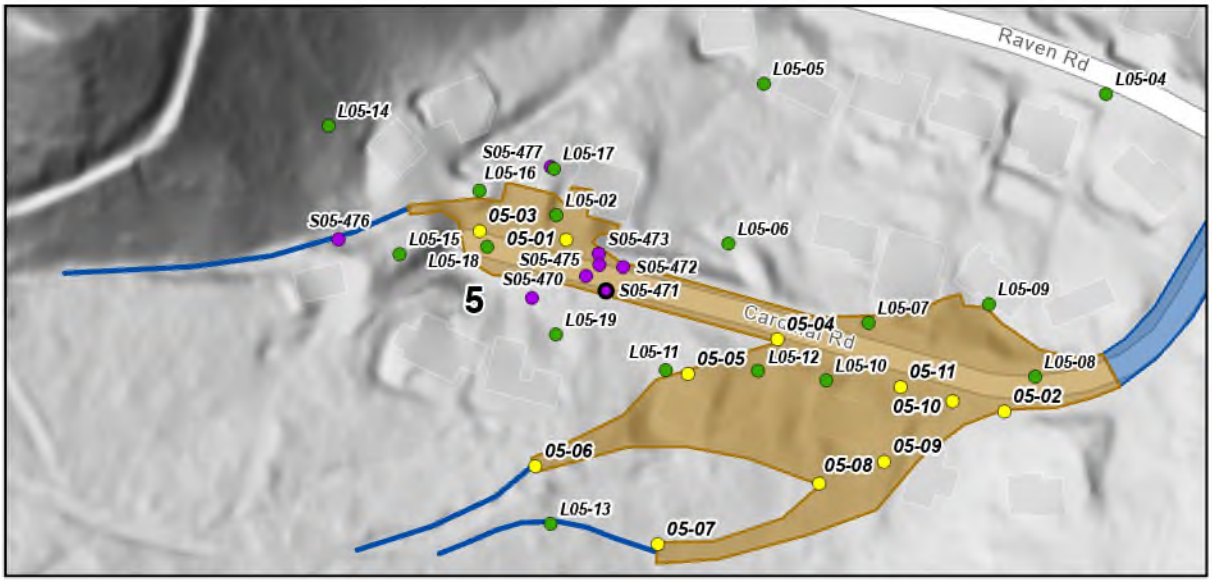


Appendix D
SB County Obs.

S05-471

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



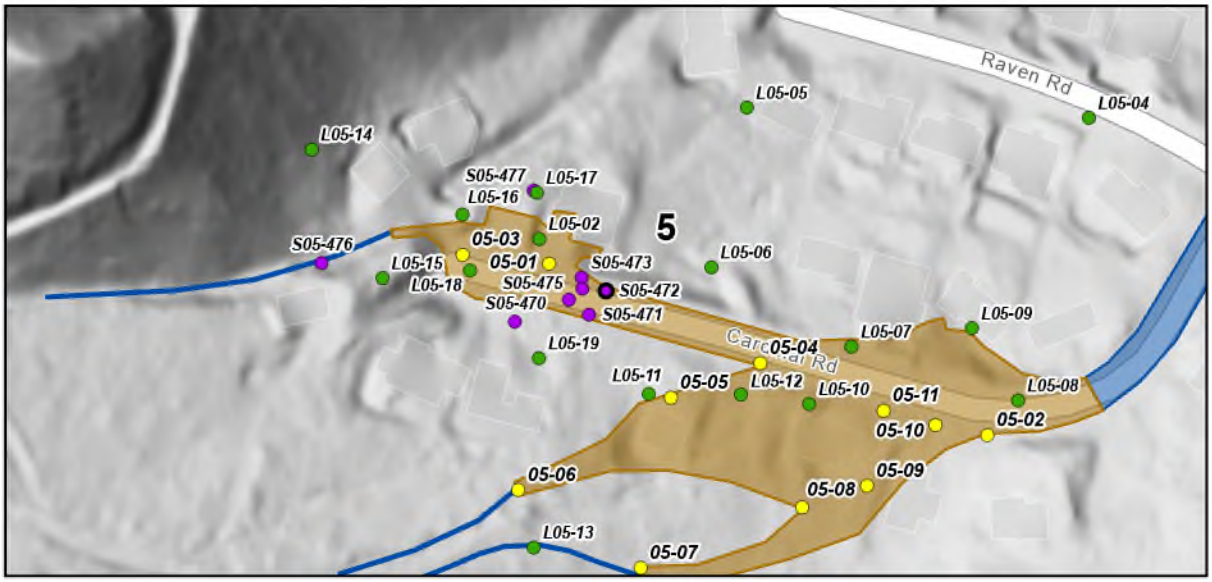


Appendix D
SB County Obs.

S05-472

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



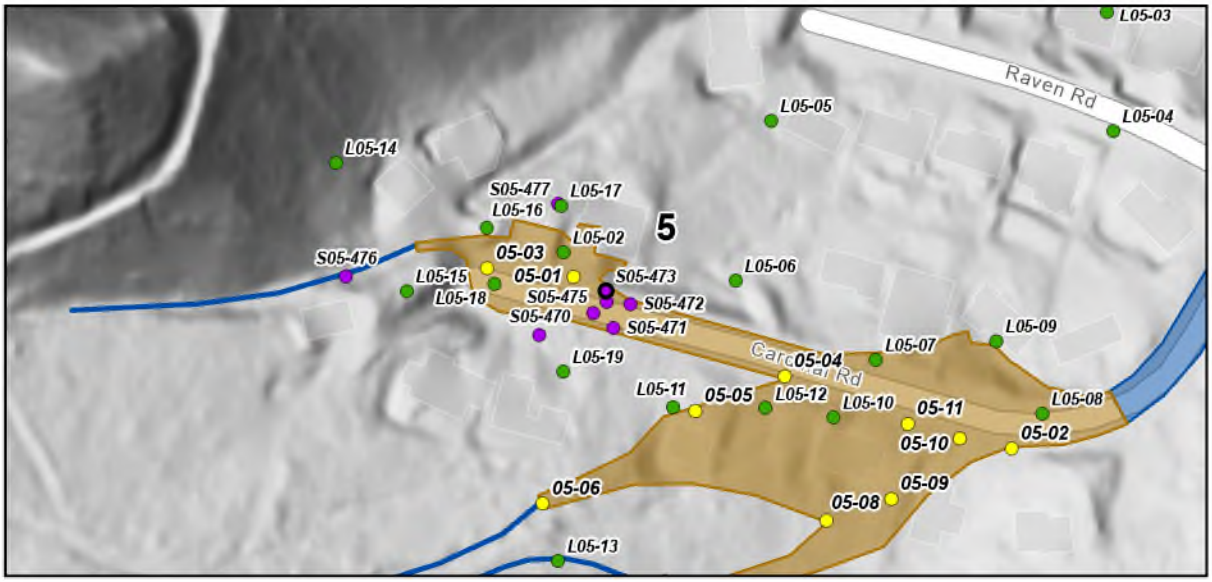


Appendix D
SB County Obs.

S05-473

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



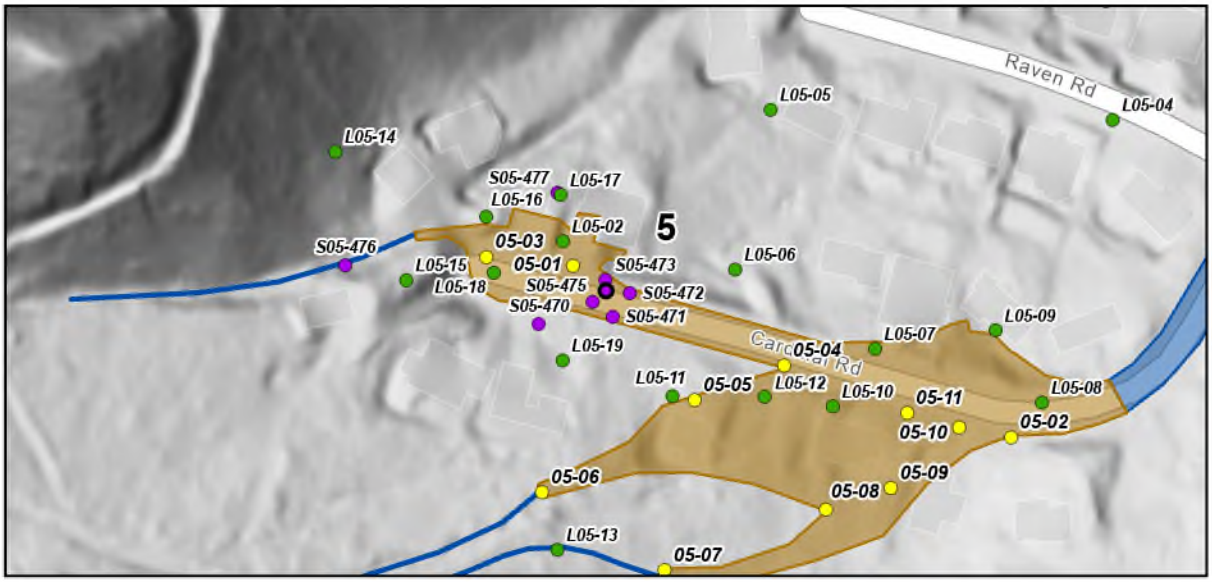


Appendix D
SB County Obs.

S05-474

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



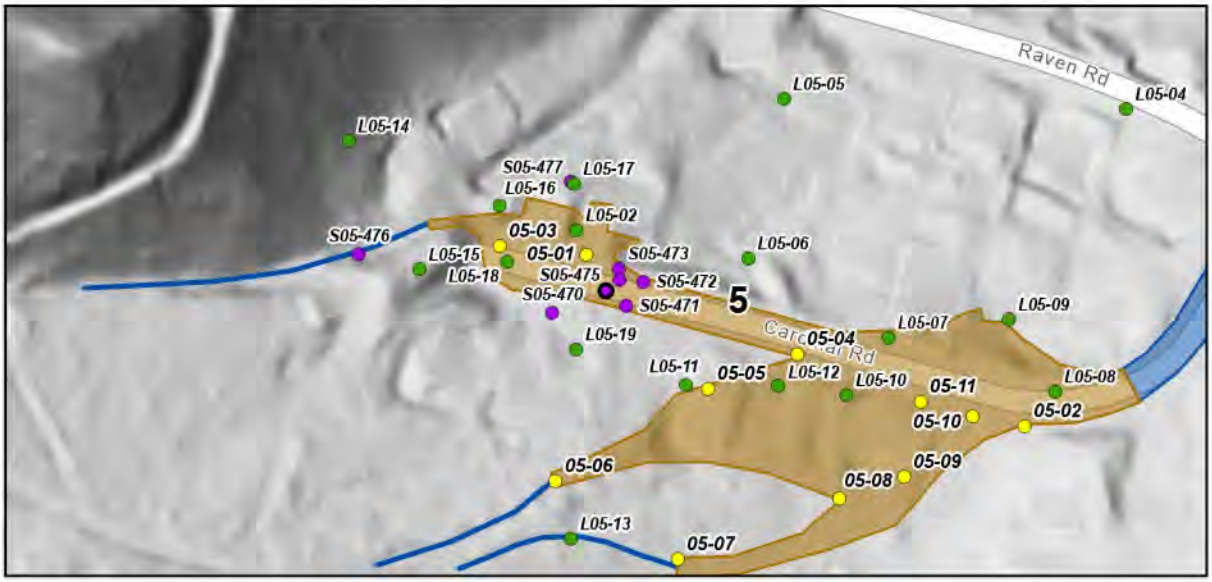


Appendix D
SB County Obs.

S05-475

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

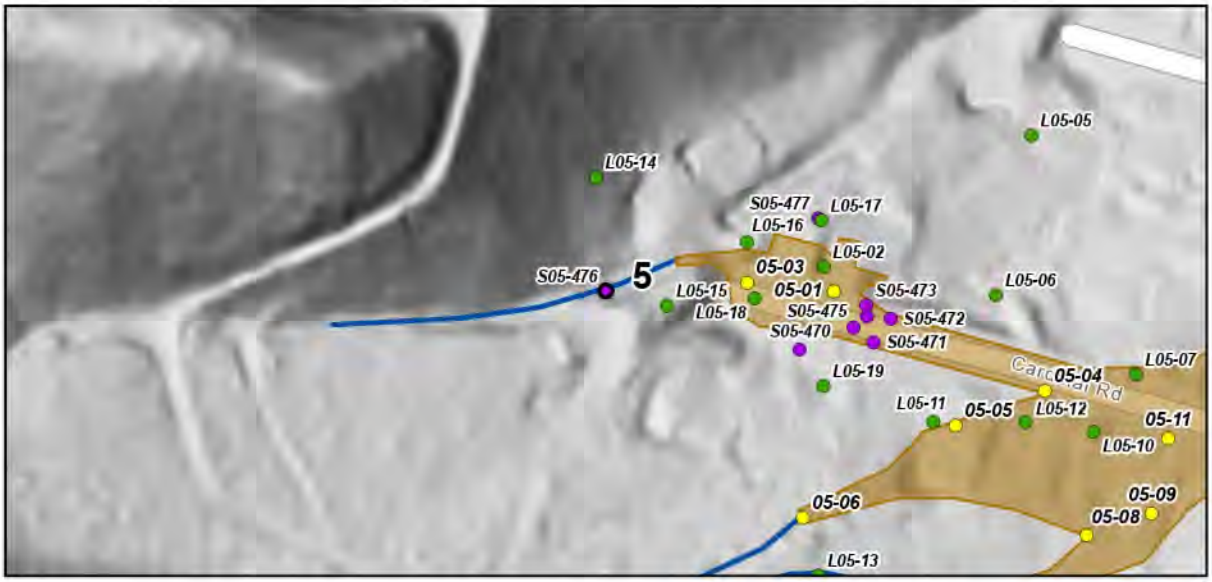
0 50 m





Appendix D
SB County Obs.

S05-476

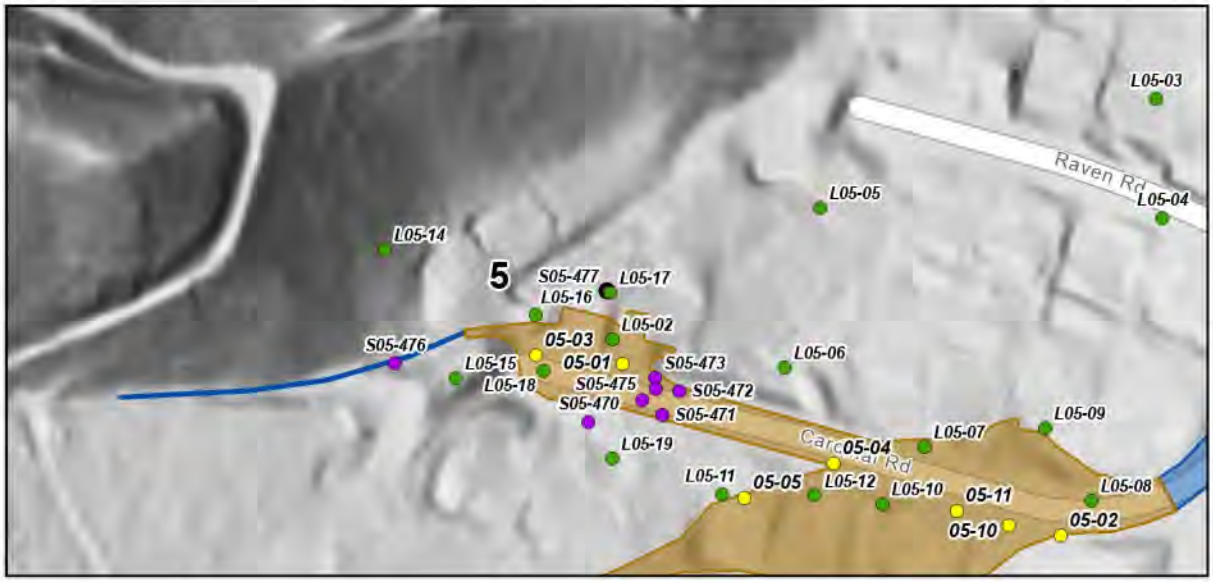




Appendix D
SB County Obs.

S05-477





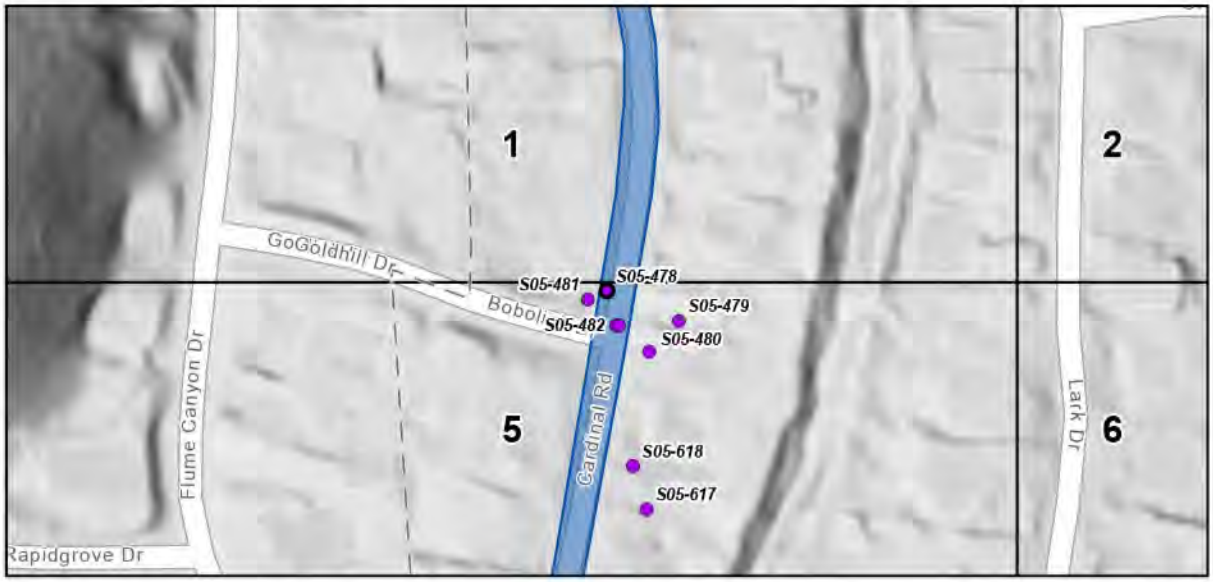


Appendix D
SB County Obs.

S05-478

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m

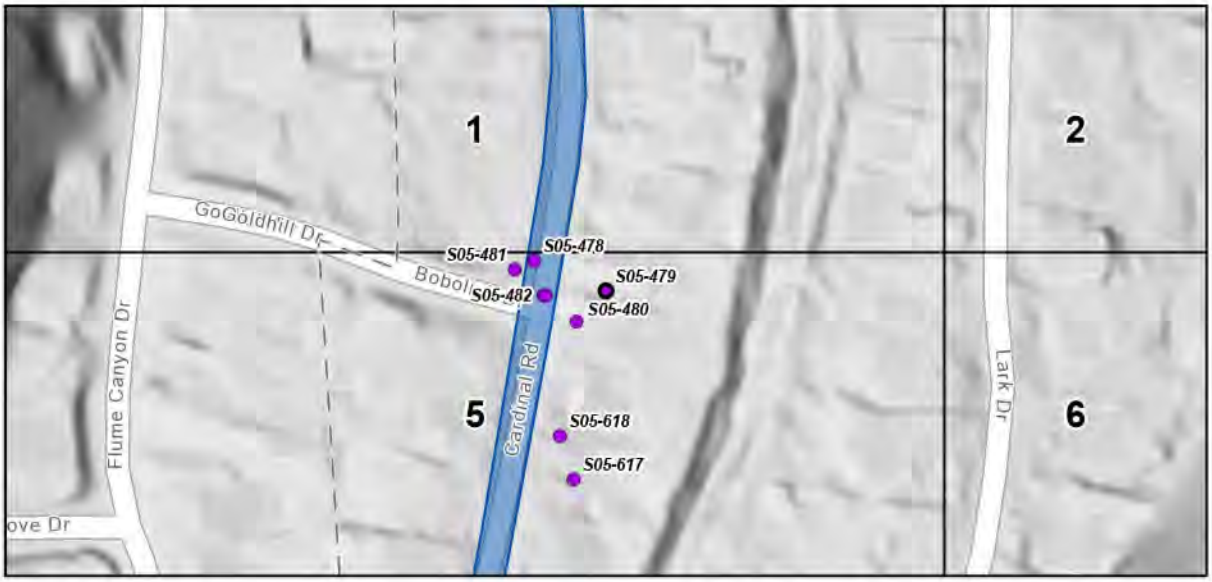




Appendix D
SB County Obs.

S05-479







Appendix D
SB County Obs.

S05-480

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



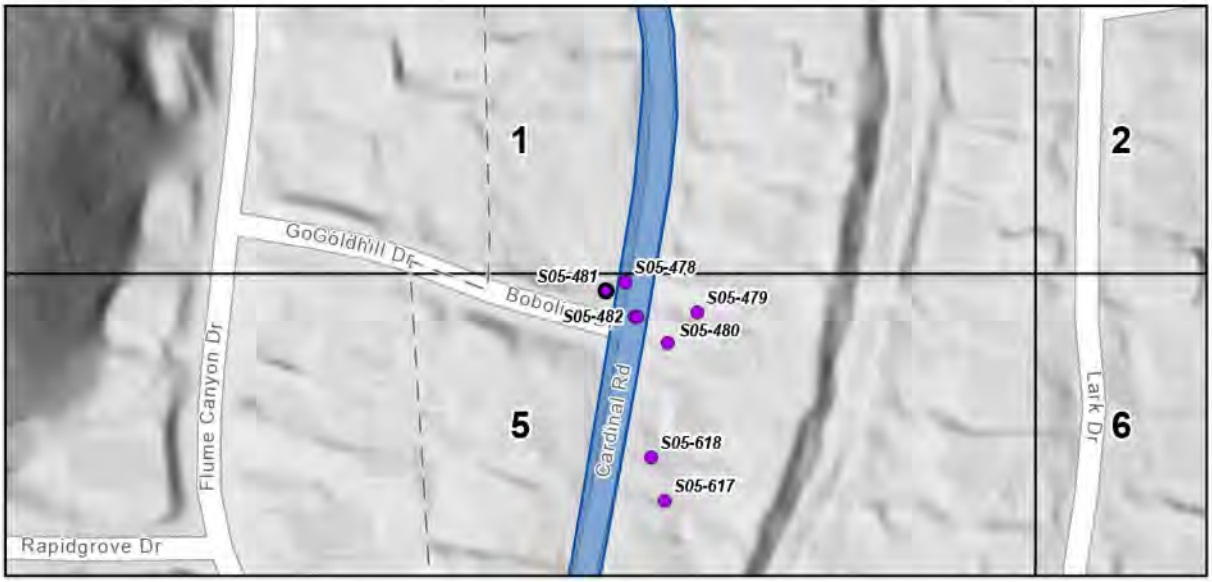


Appendix D
SB County Obs.

S05-481

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m

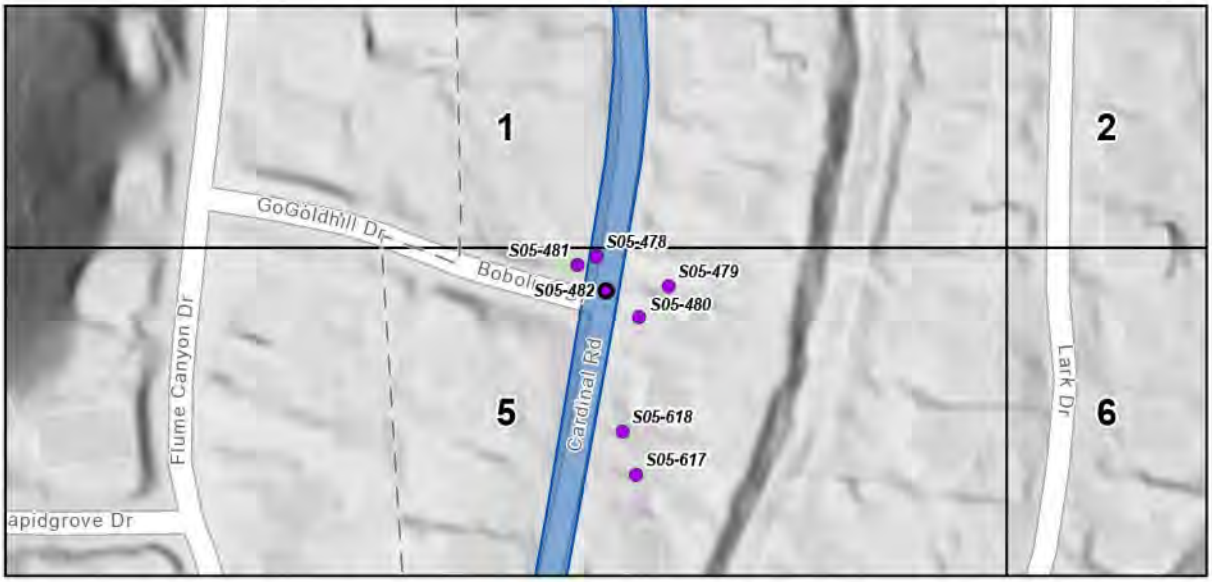




Appendix D
SB County Obs.

S05-482



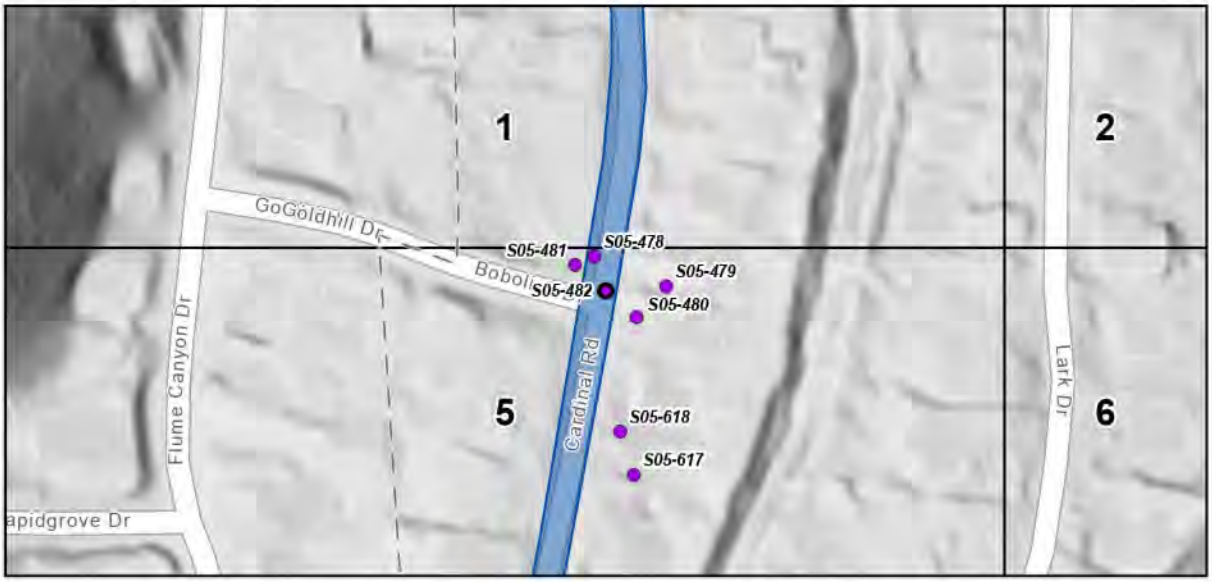




Appendix D
SB County Obs.

S05-483



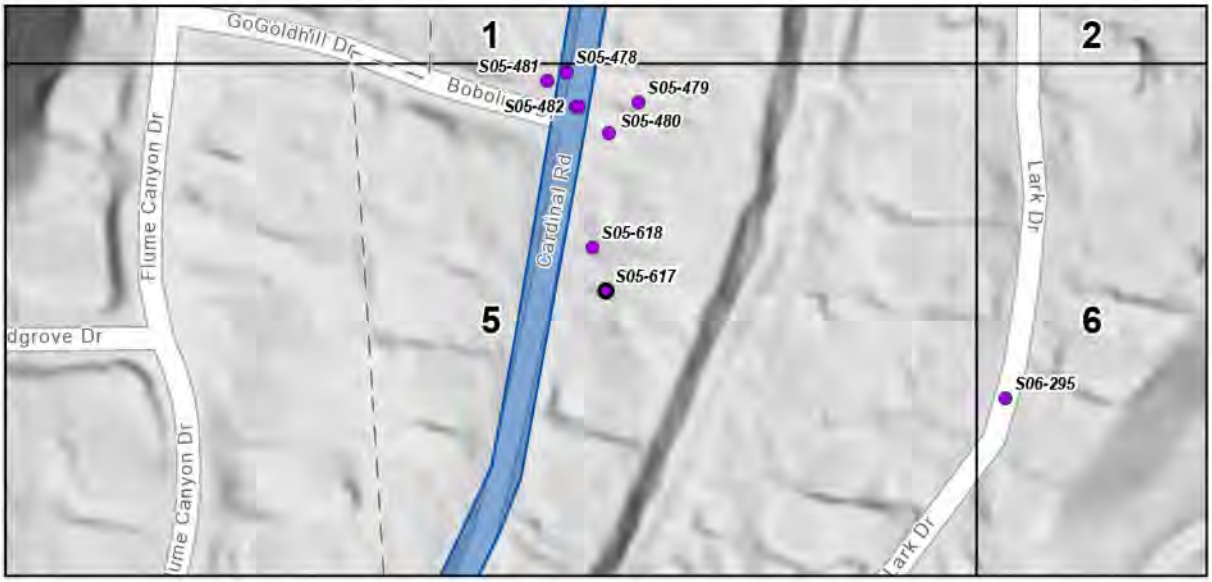


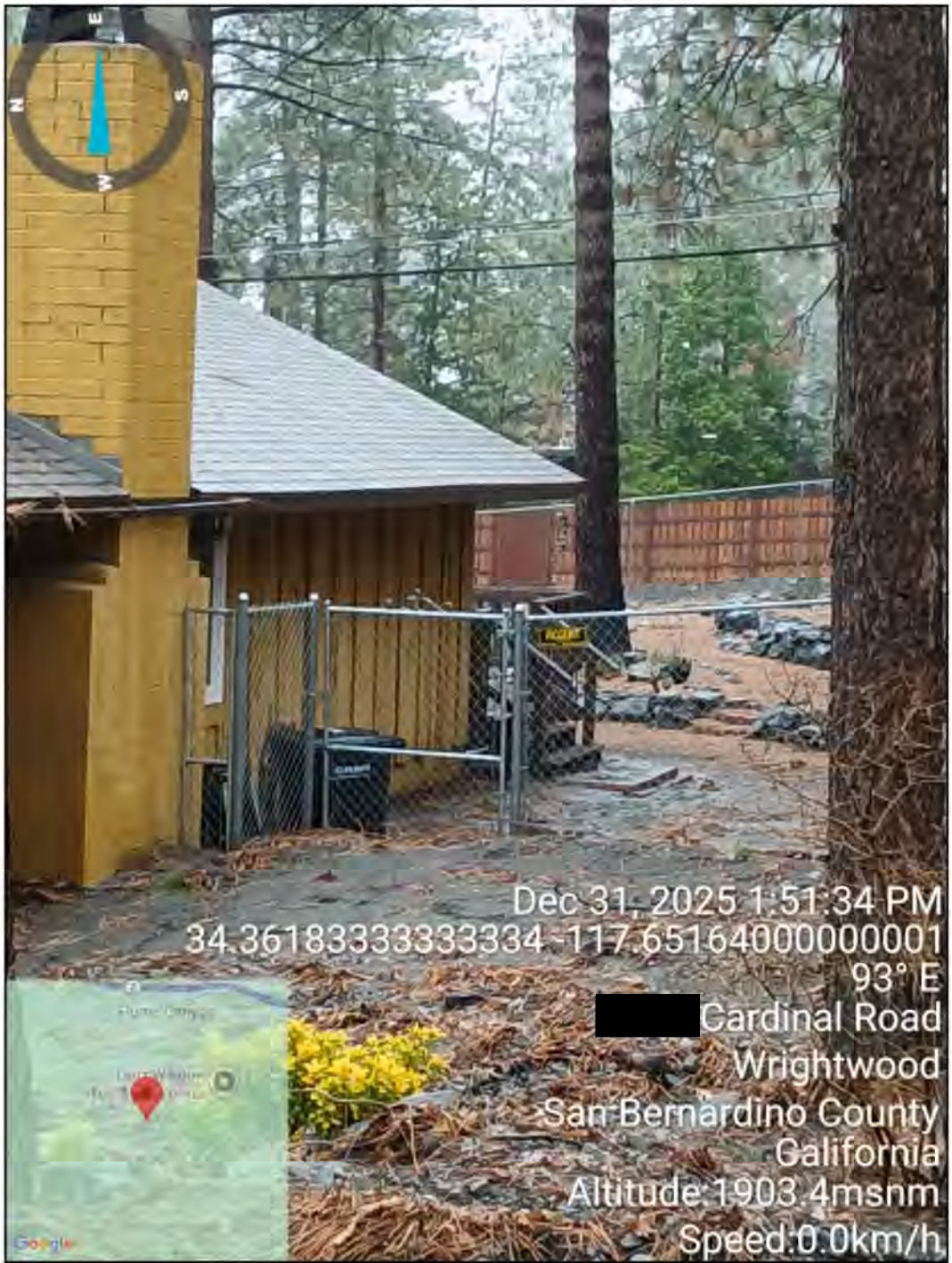


Appendix D
SB County Obs.

S05-617



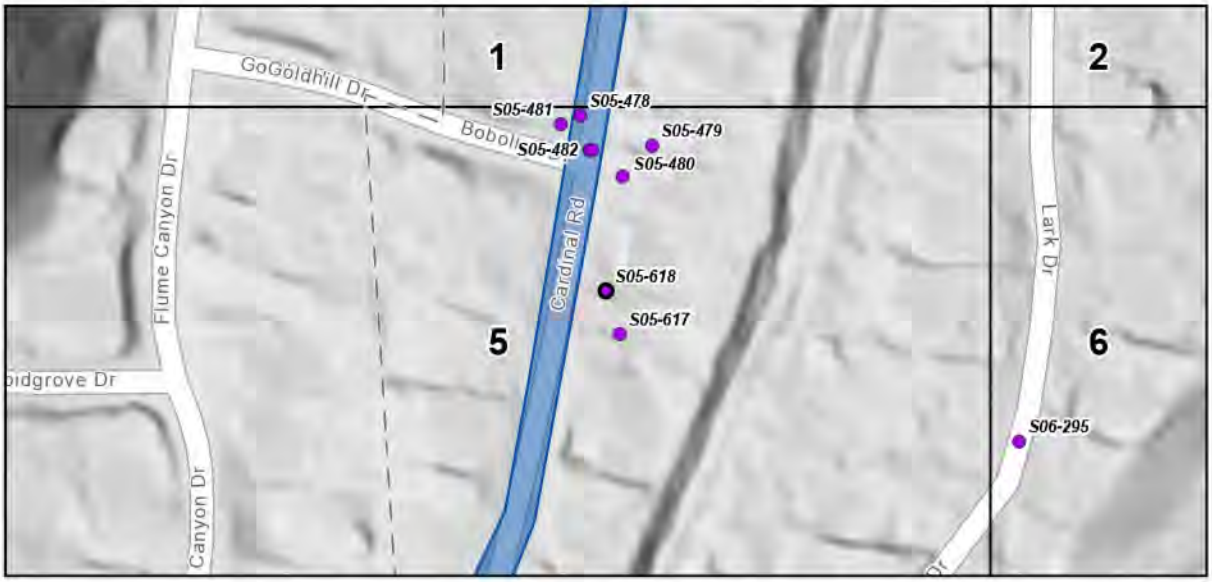




Appendix D
SB County Obs.

S05-618







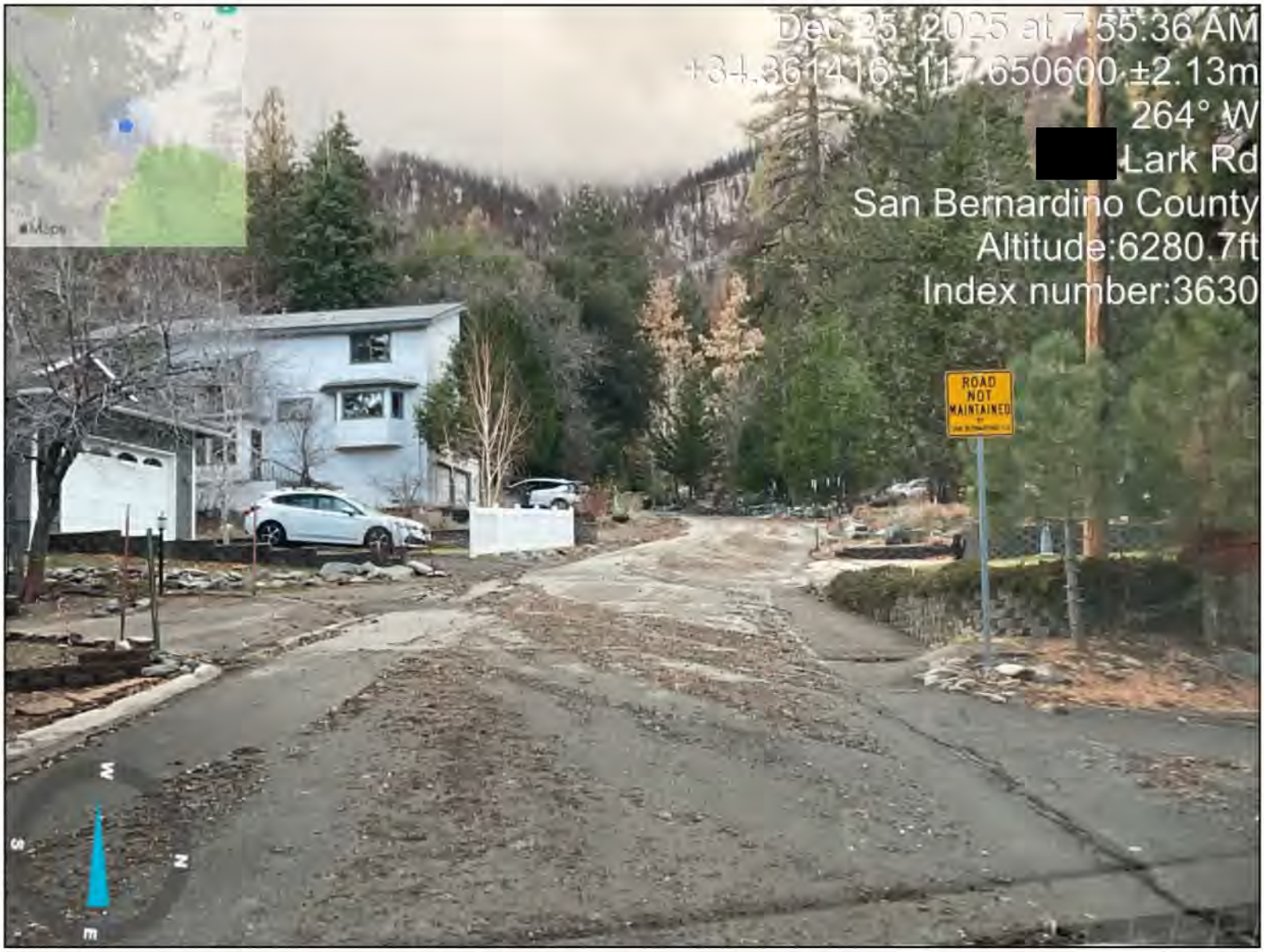
Appendix D
SB County Obs.

S06-295

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-098

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-099

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-100

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-101

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-102

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

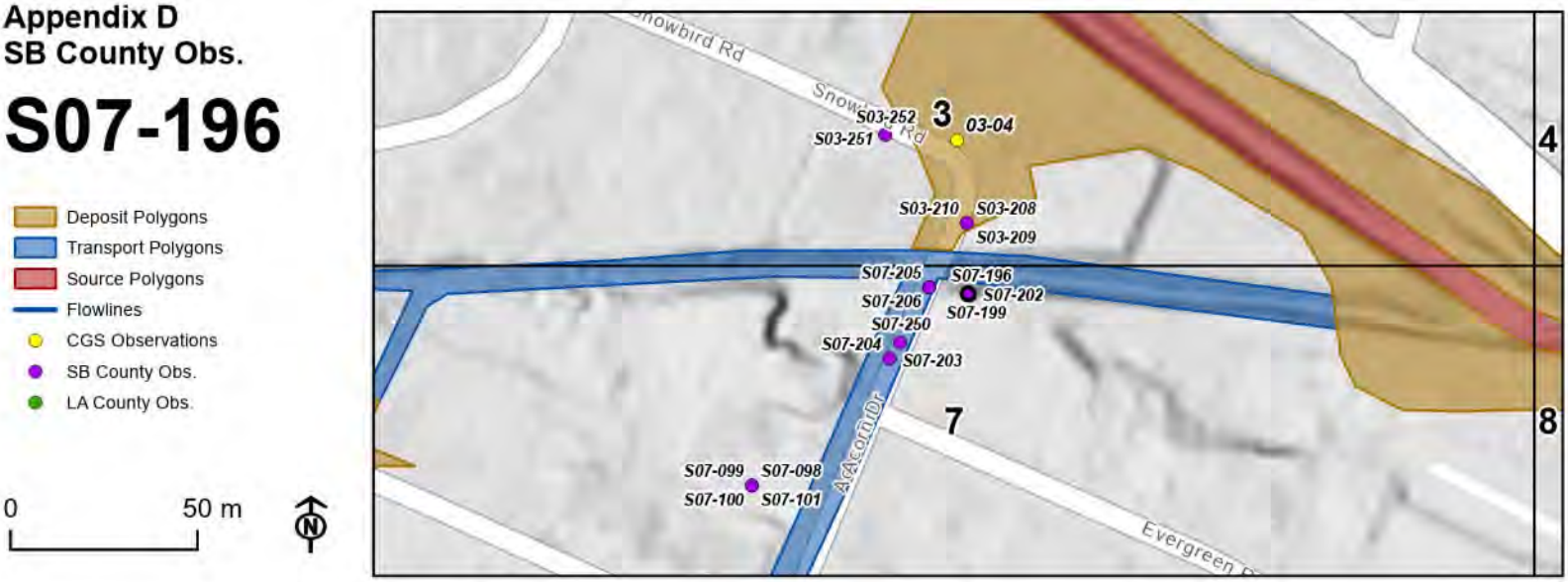
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Appendix D
SB County Obs.

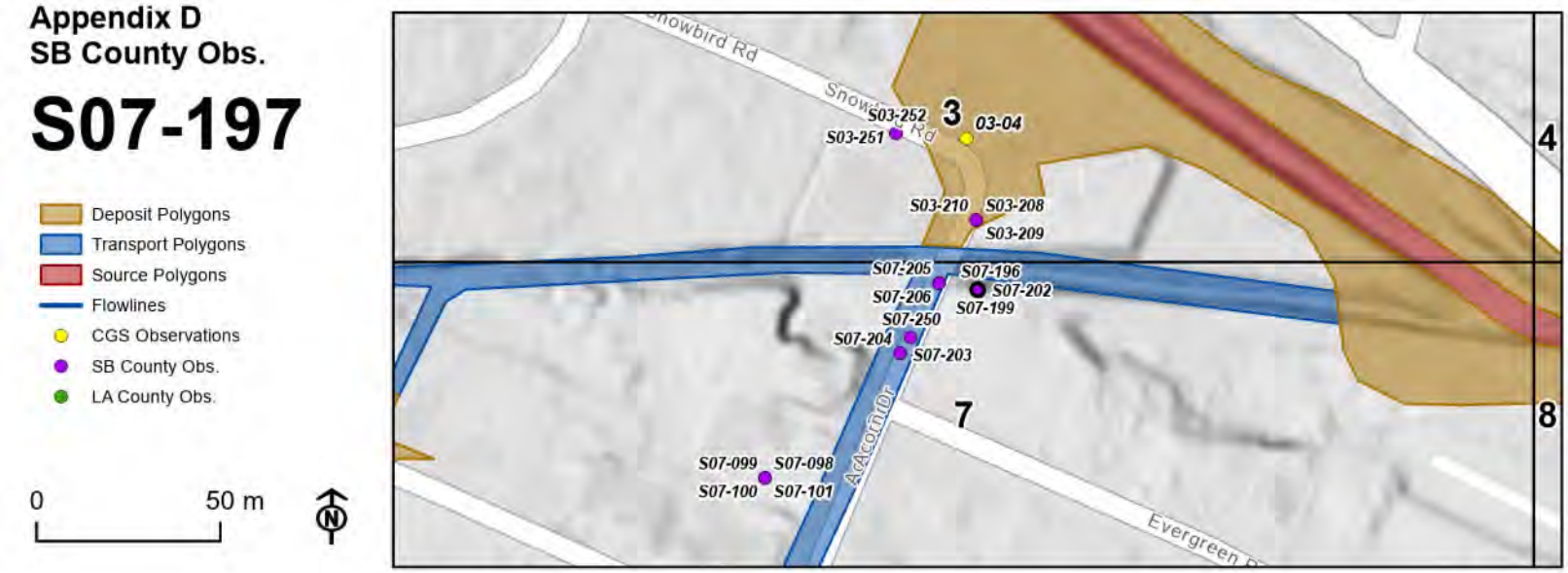
S07-196





Appendix D
SB County Obs.

S07-197





Appendix D
SB County Obs.

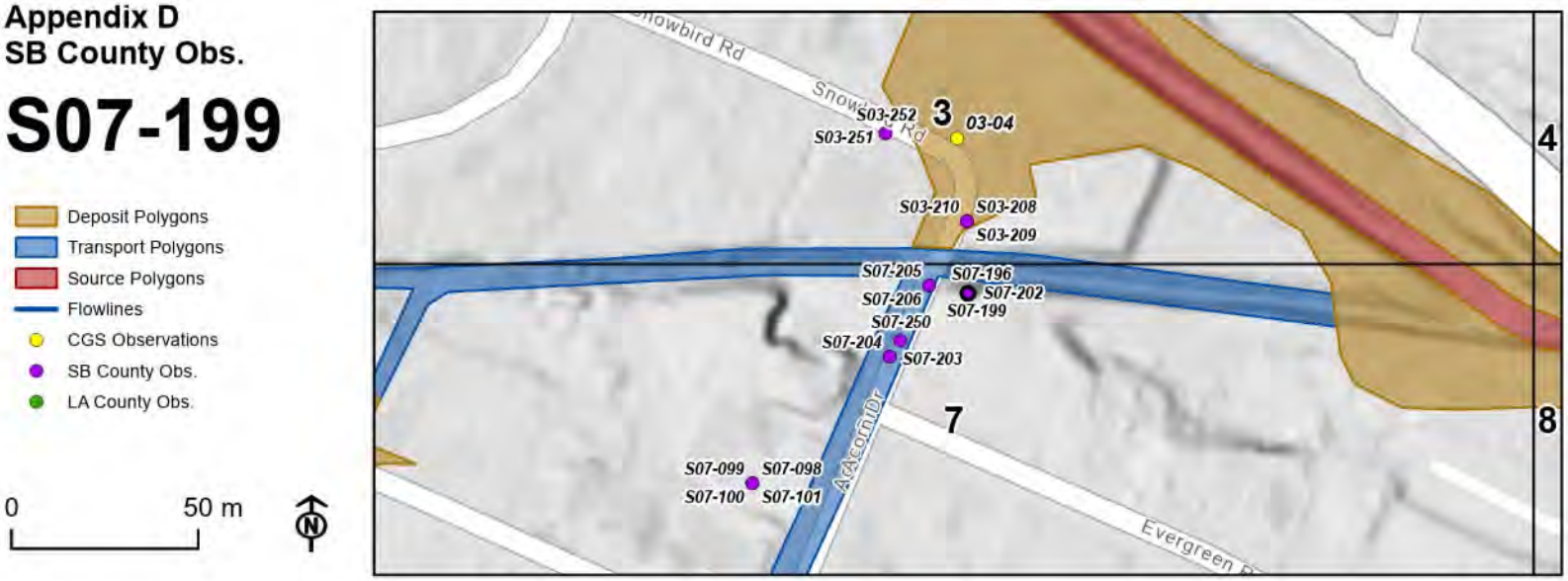
S07-198





Appendix D
SB County Obs.

S07-199



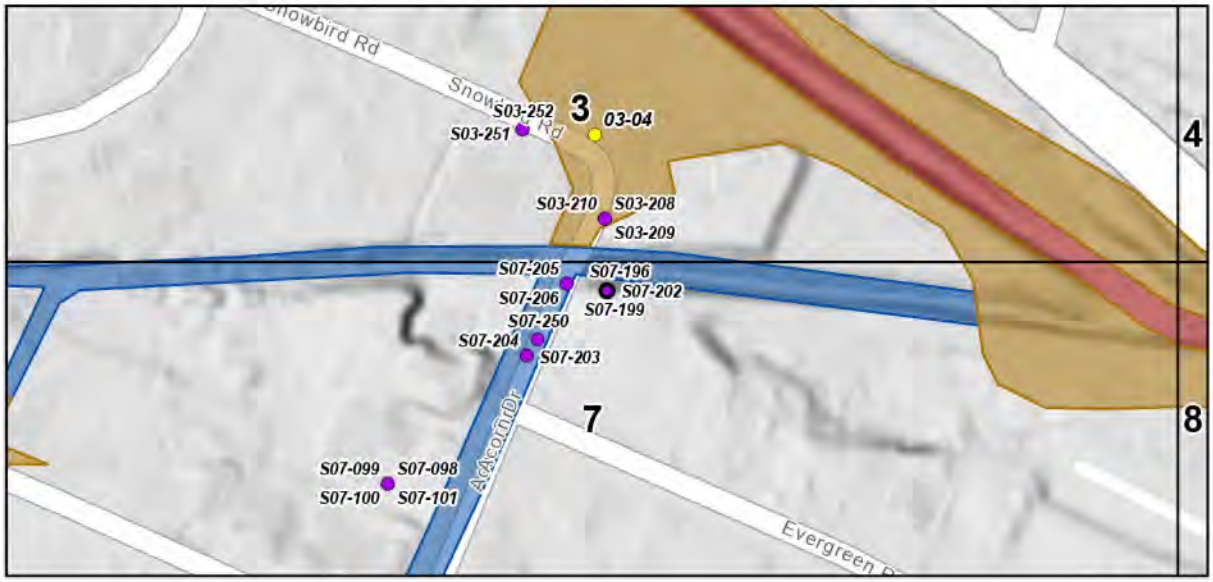


Appendix D
SB County Obs.

S07-200

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-201

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

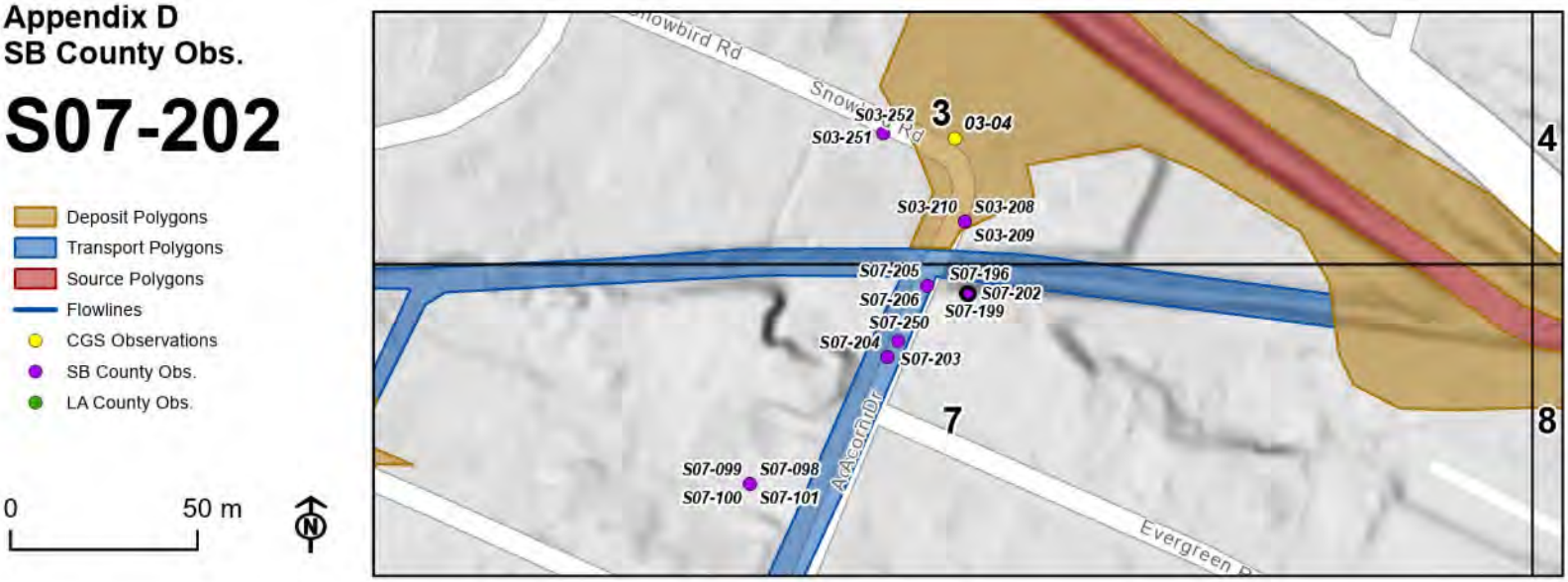
0 50 m





Appendix D
SB County Obs.

S07-202



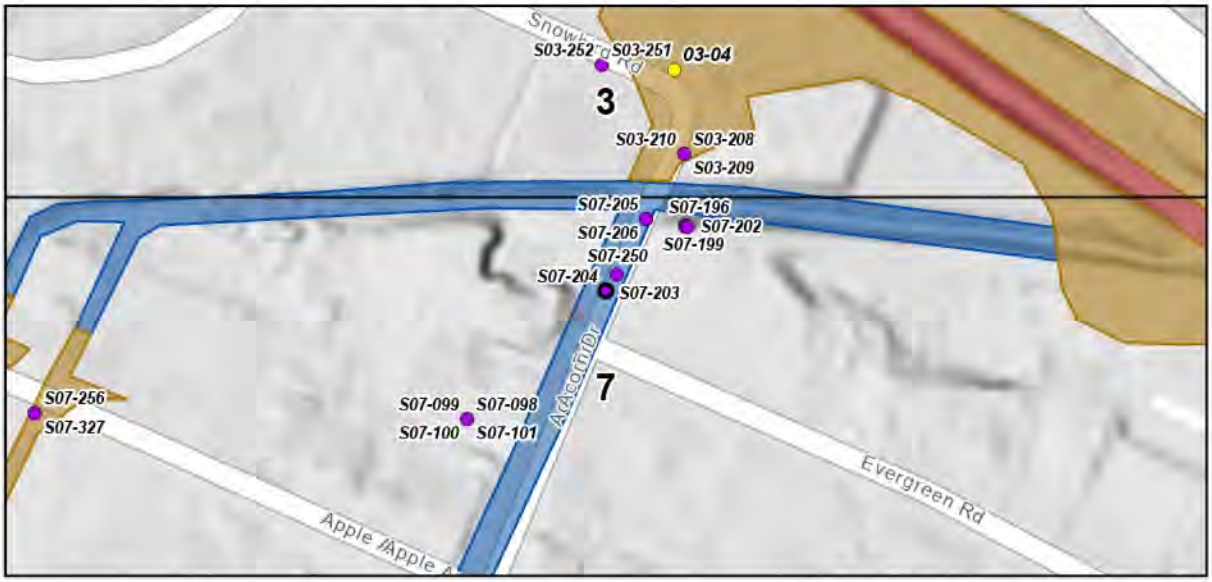


Appendix D
SB County Obs.

S07-203

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



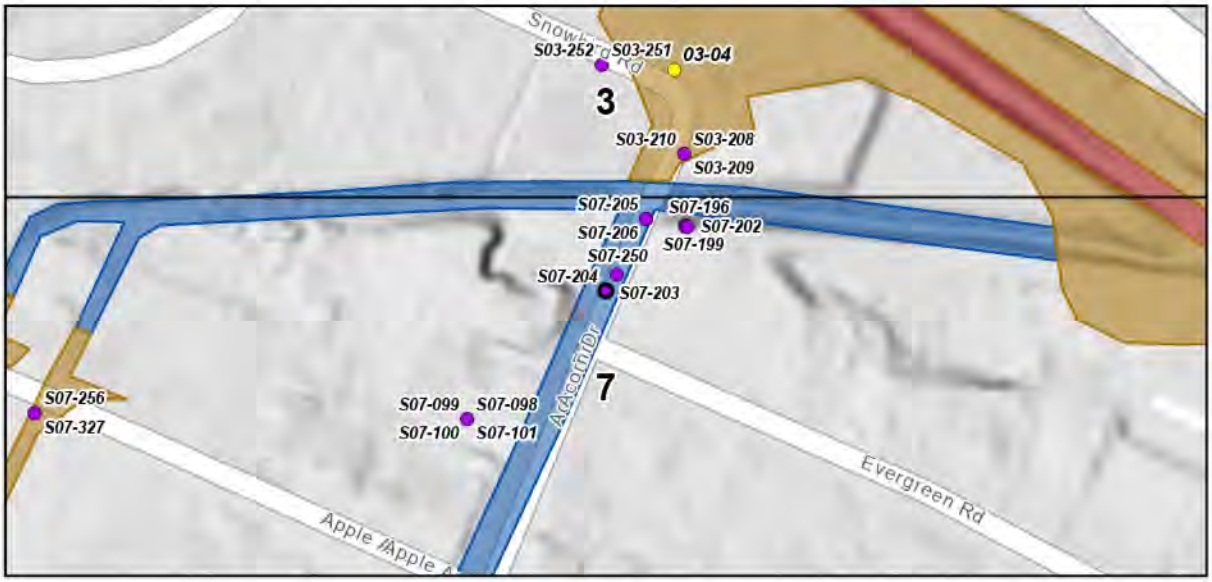


Appendix D
SB County Obs.

S07-204

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



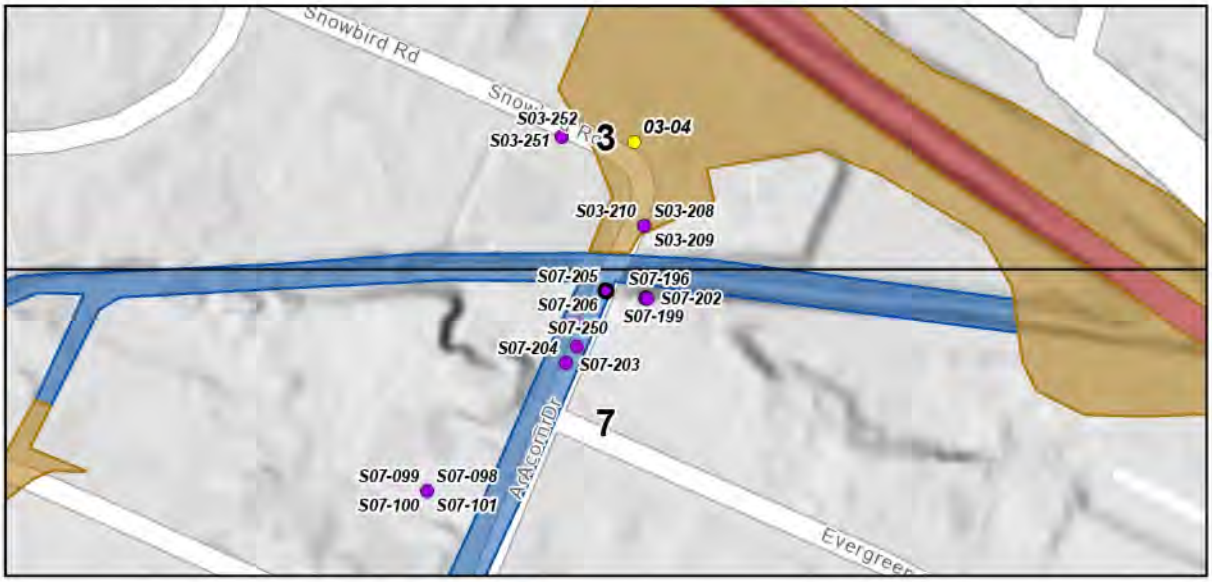


Appendix D
SB County Obs.

S07-205

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



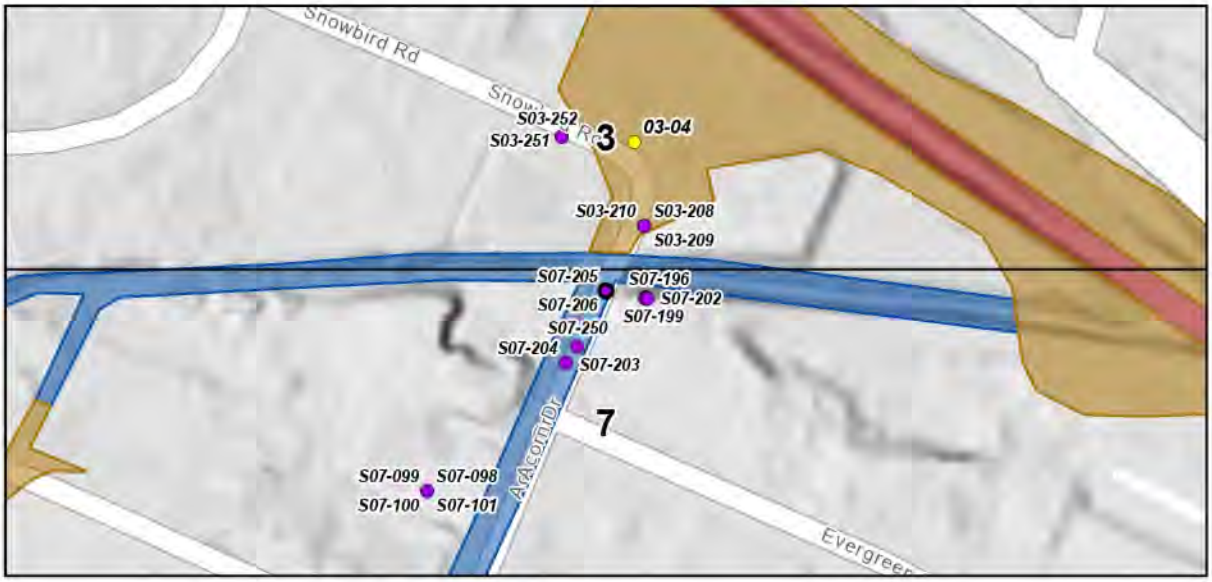


Appendix D
SB County Obs.

S07-206

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



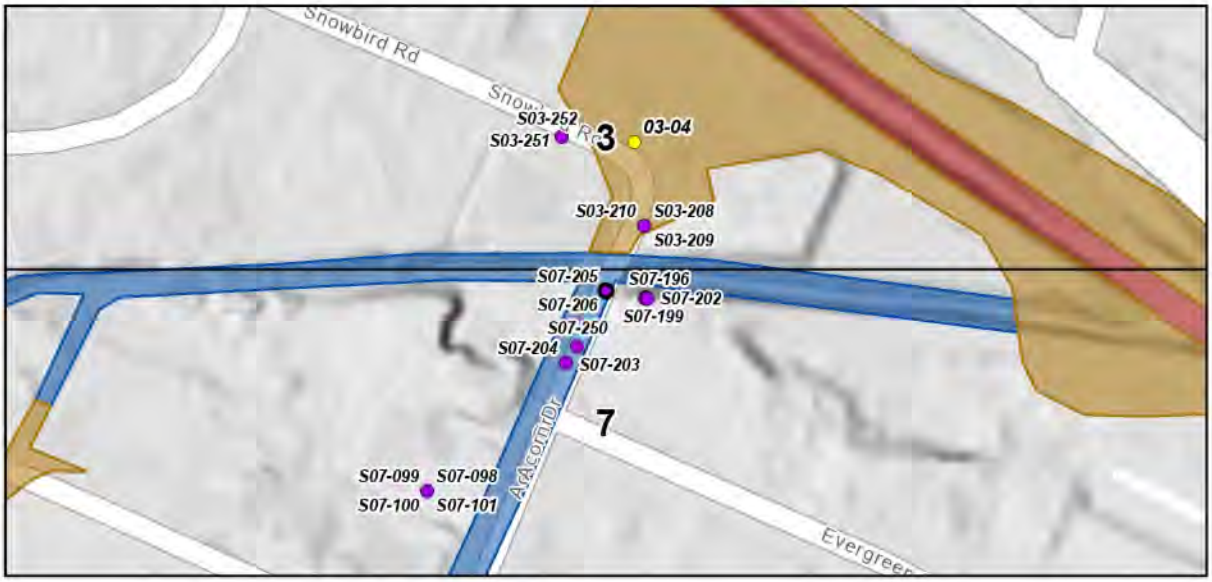


Appendix D
SB County Obs.

S07-207

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-216

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-217

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





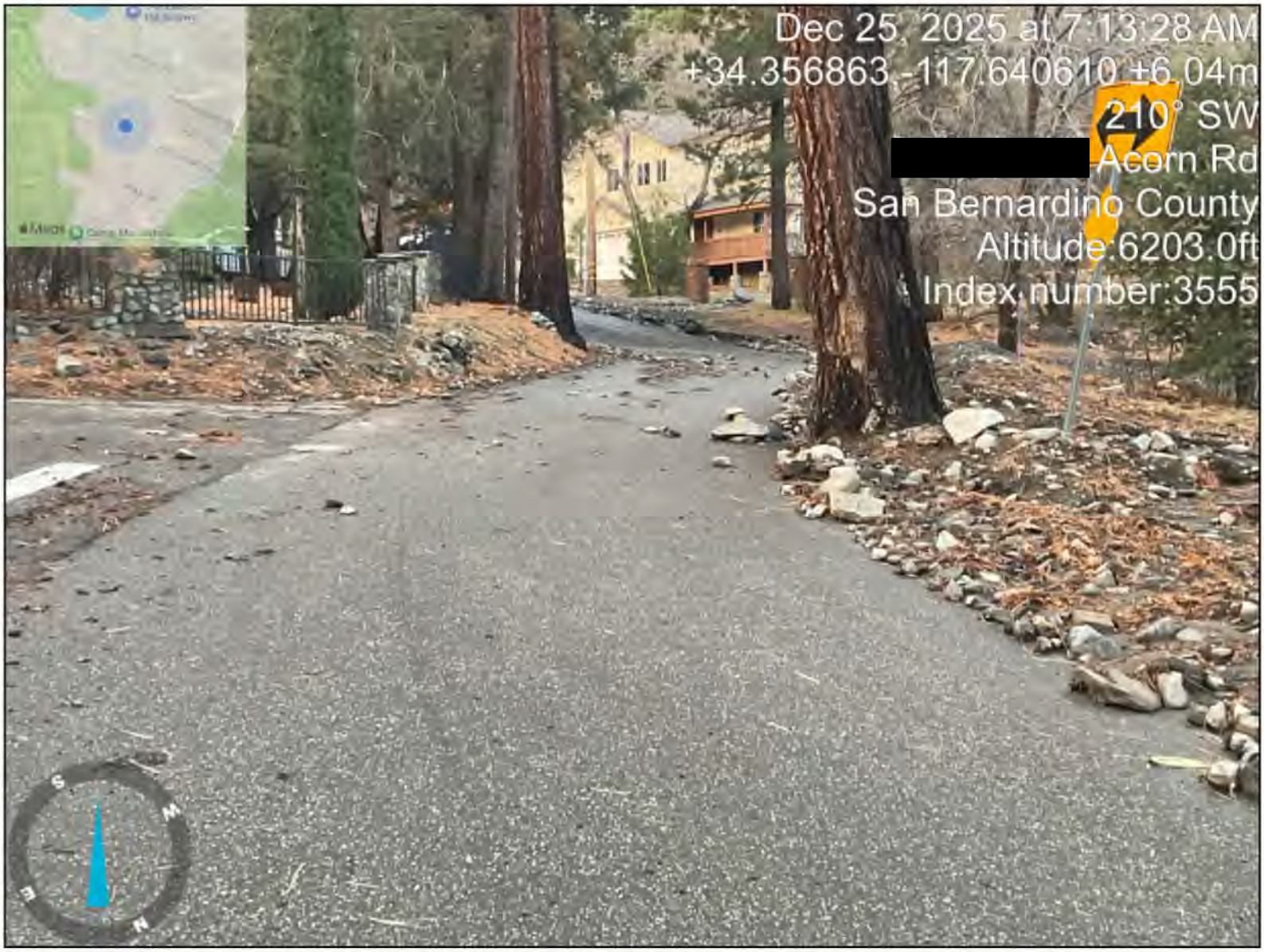
Appendix D
SB County Obs.

S07-218

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





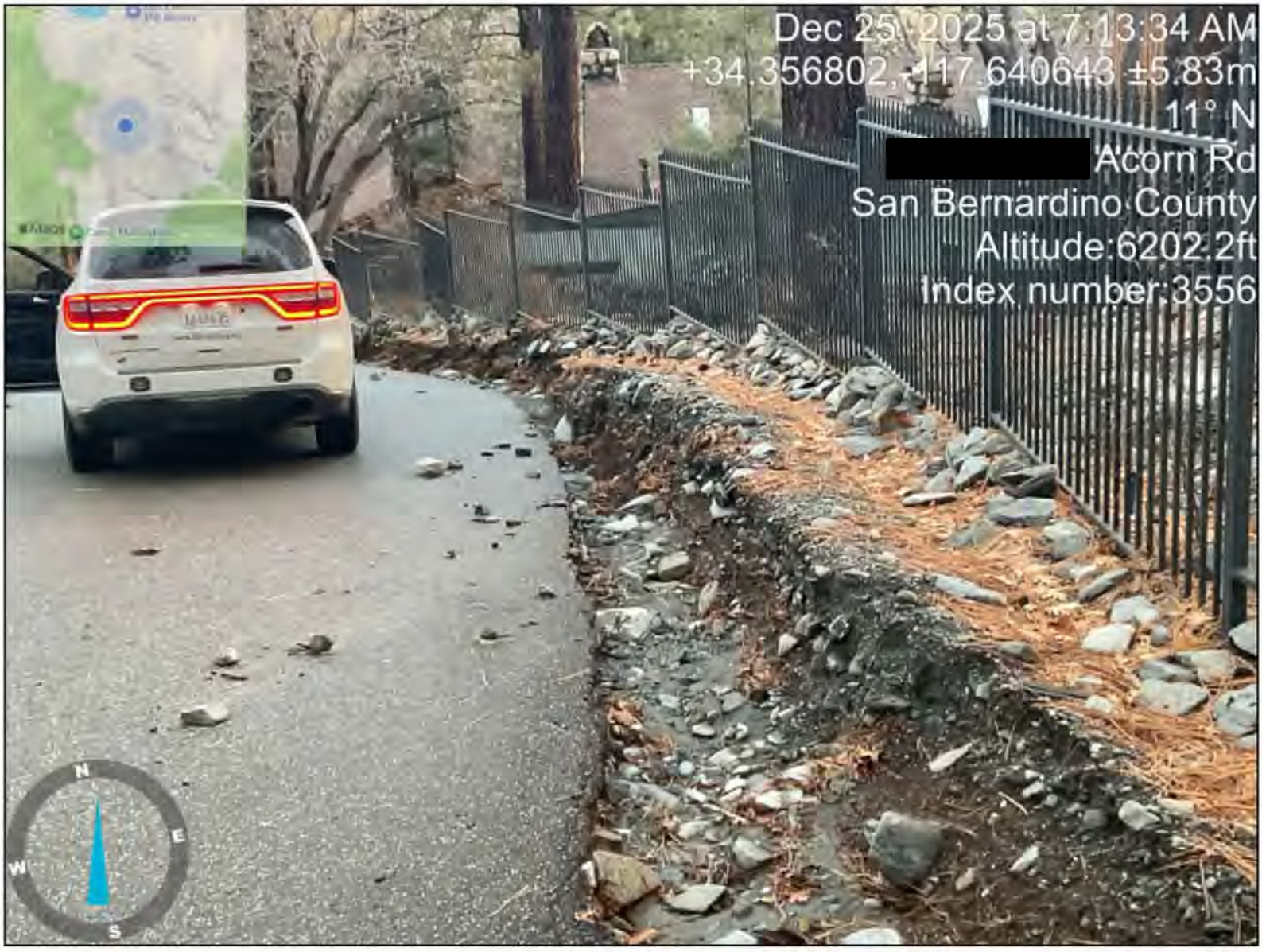
Appendix D
SB County Obs.

S07-219

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-220

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





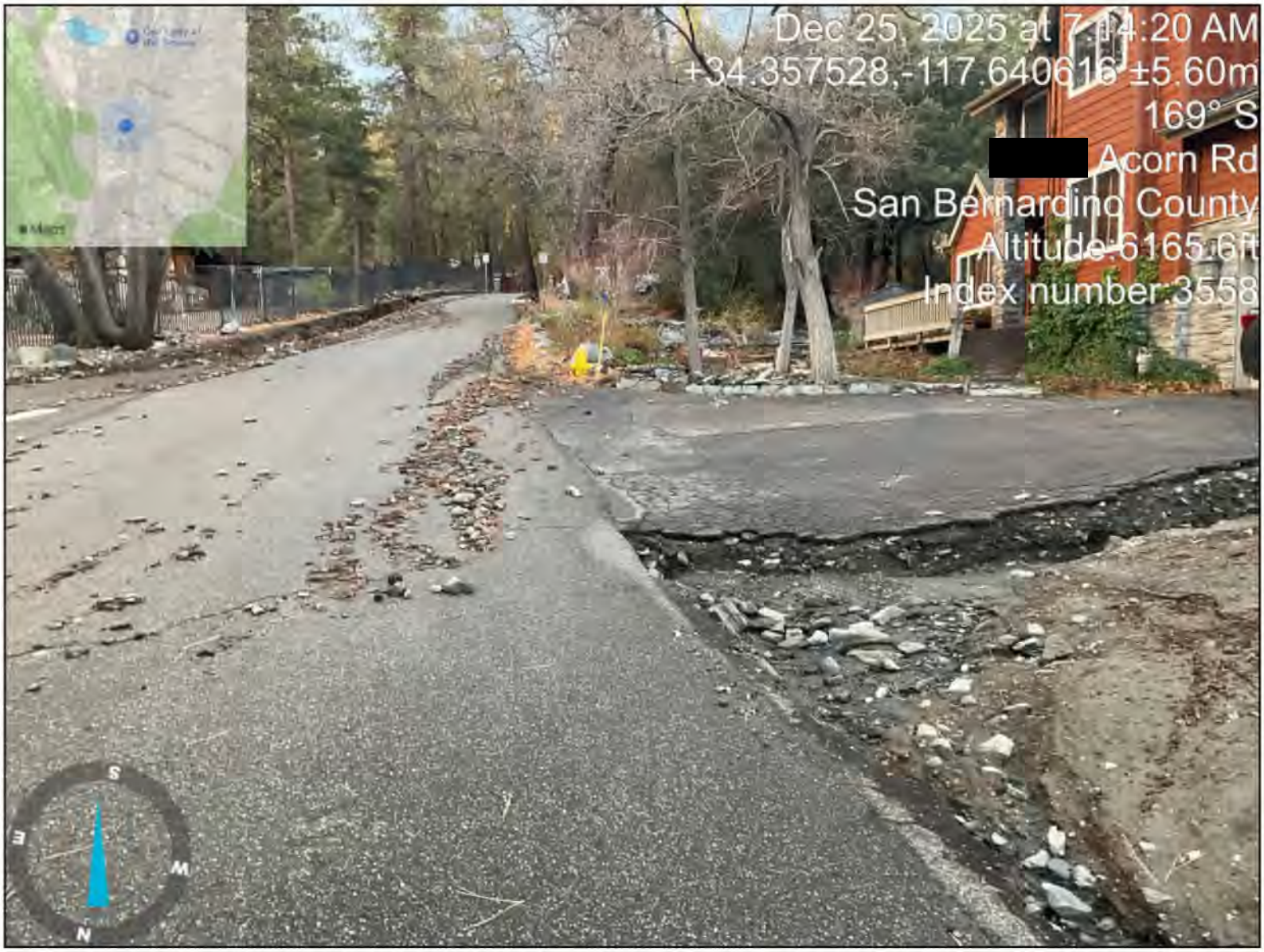
Appendix D
SB County Obs.

S07-221

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-222

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 — 50 m





Appendix D
SB County Obs.

S07-223

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

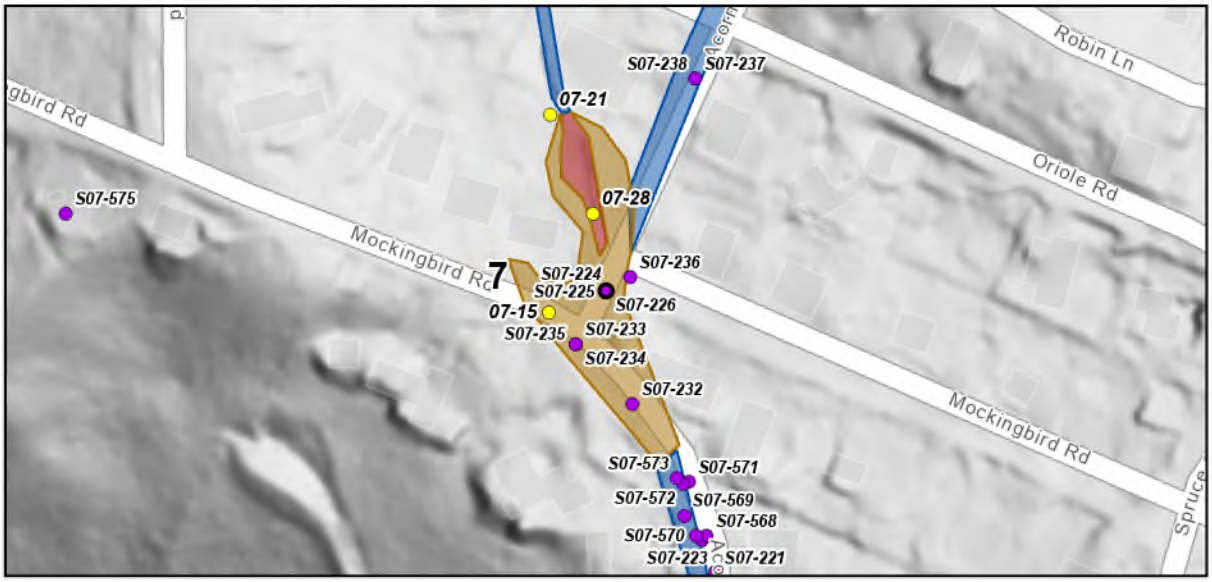
0 50 m

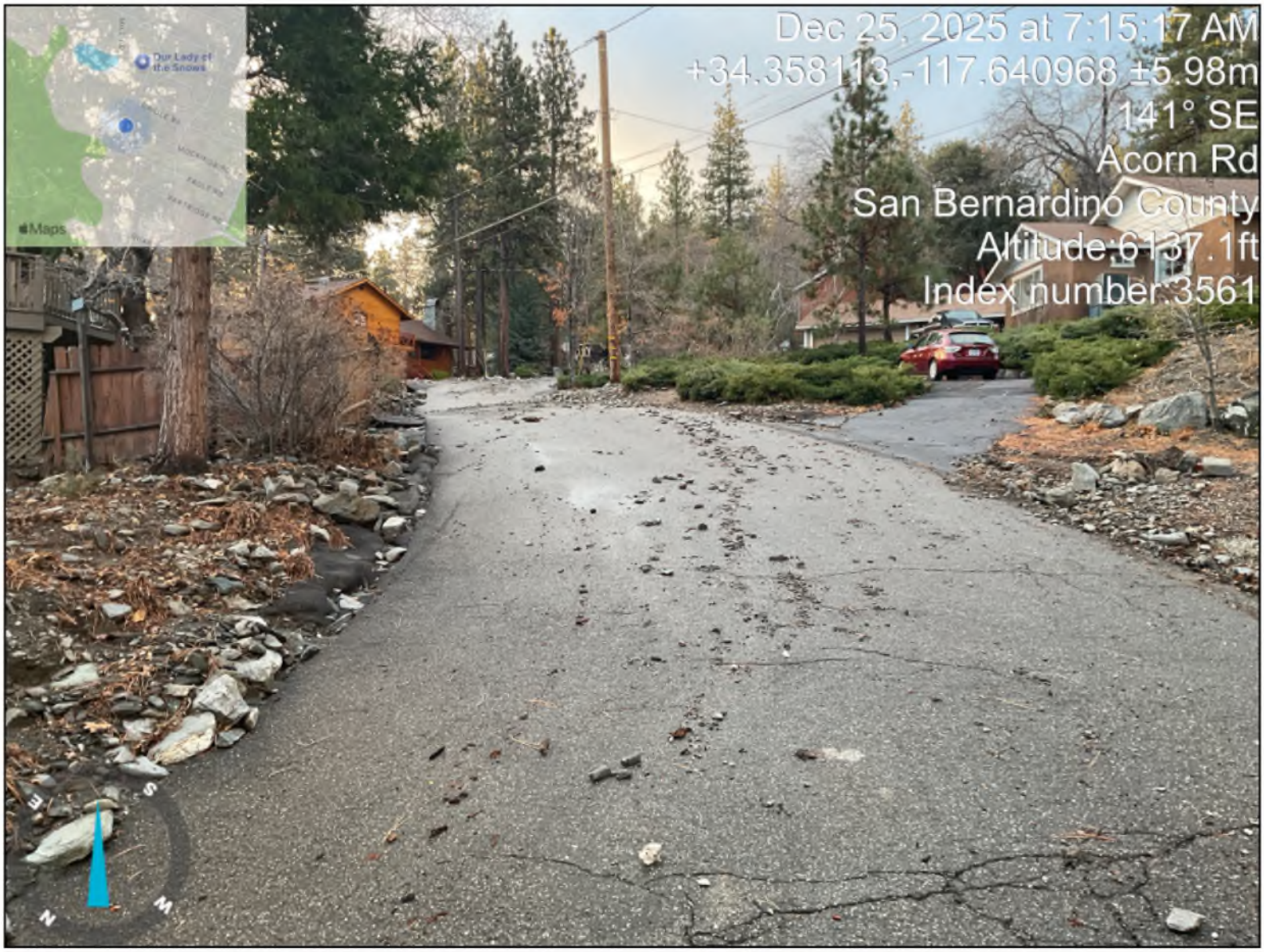




Appendix D
SB County Obs.

S07-224



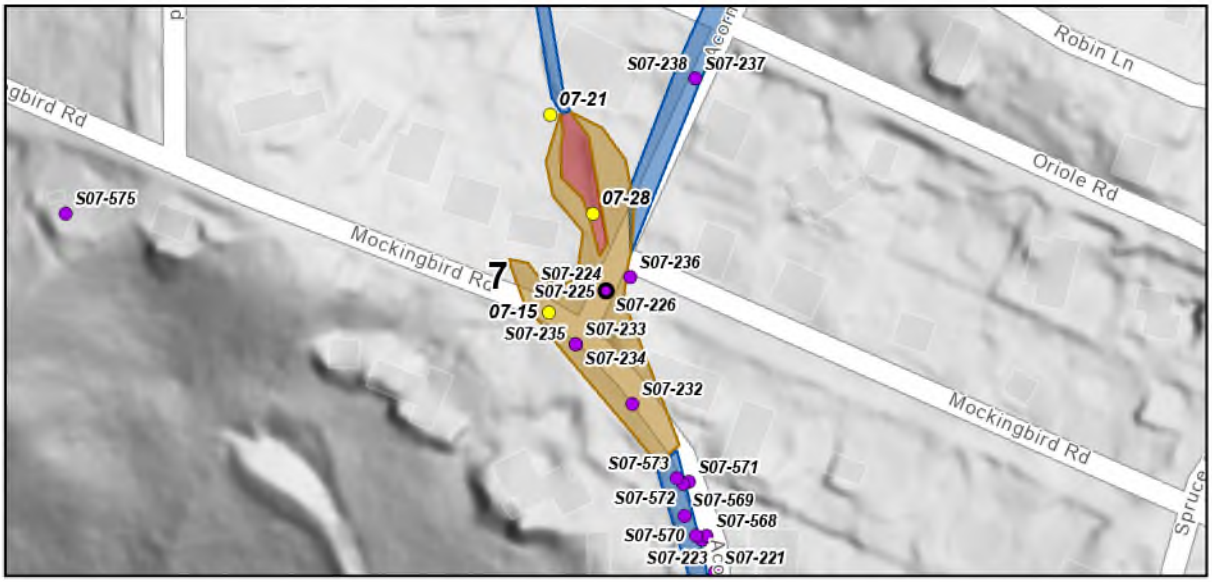


Appendix D
SB County Obs.

S07-225

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



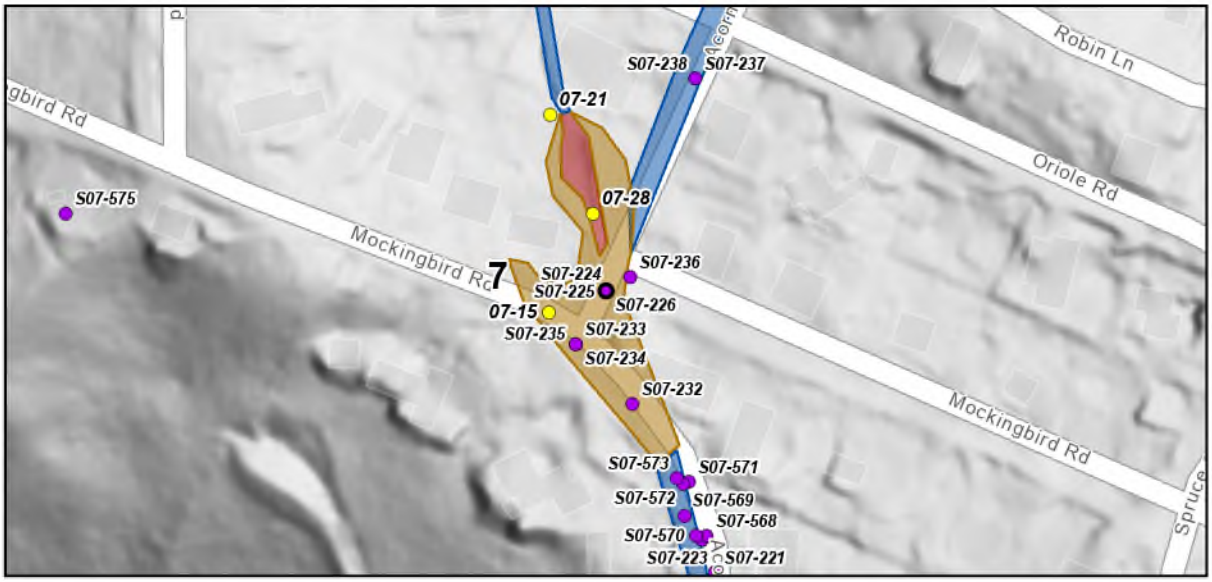


Appendix D
SB County Obs.

S07-226

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



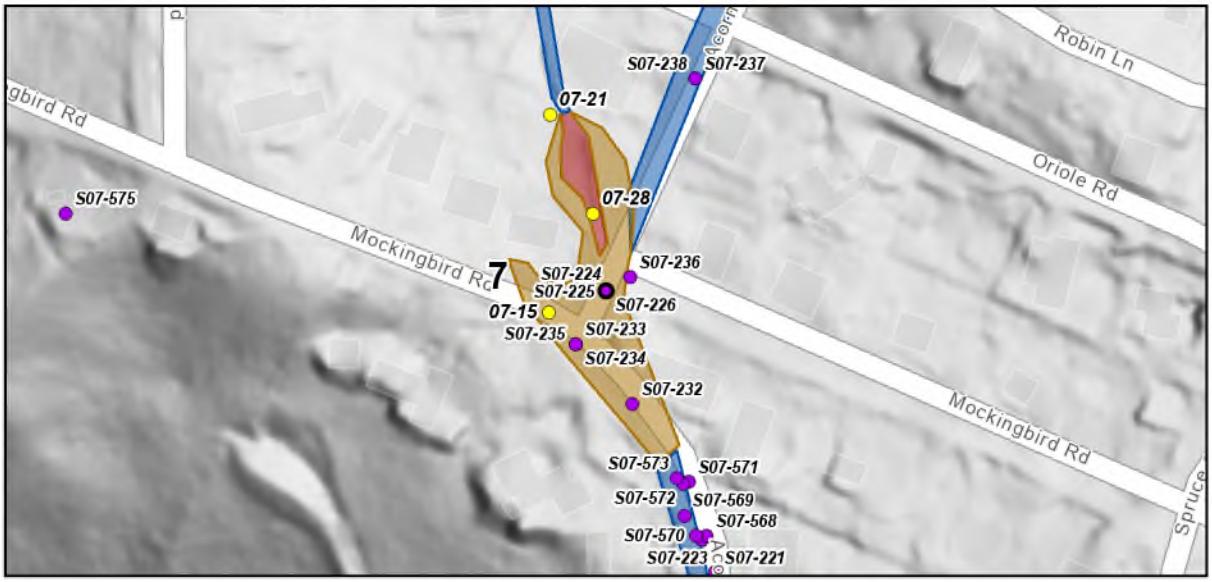


Appendix D
SB County Obs.

S07-227

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 — 50 m



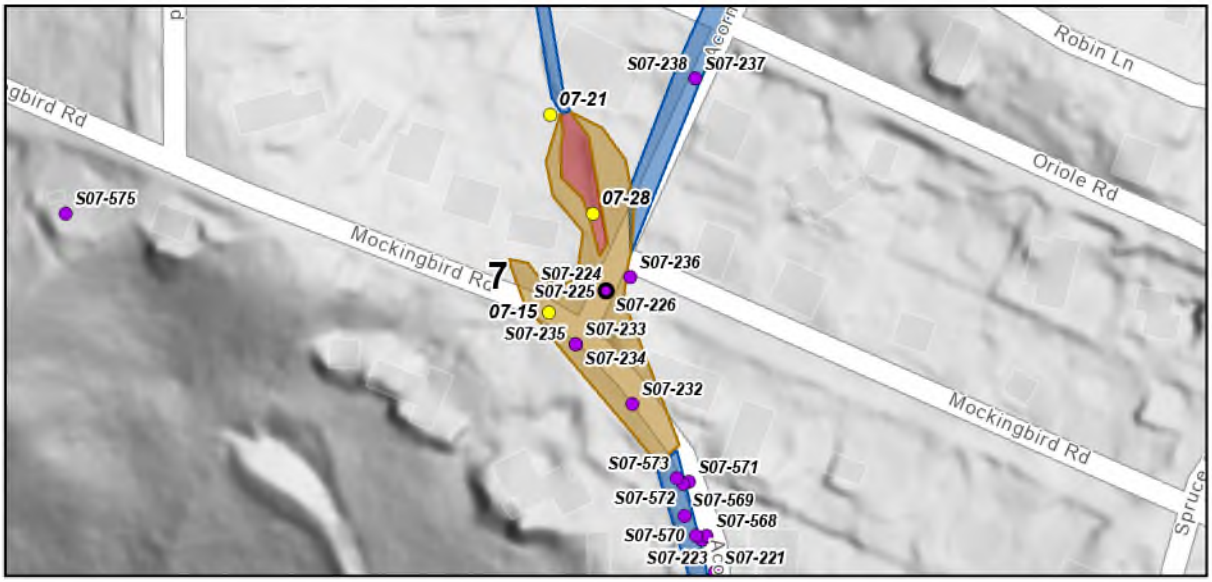


Appendix D
SB County Obs.

S07-228

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



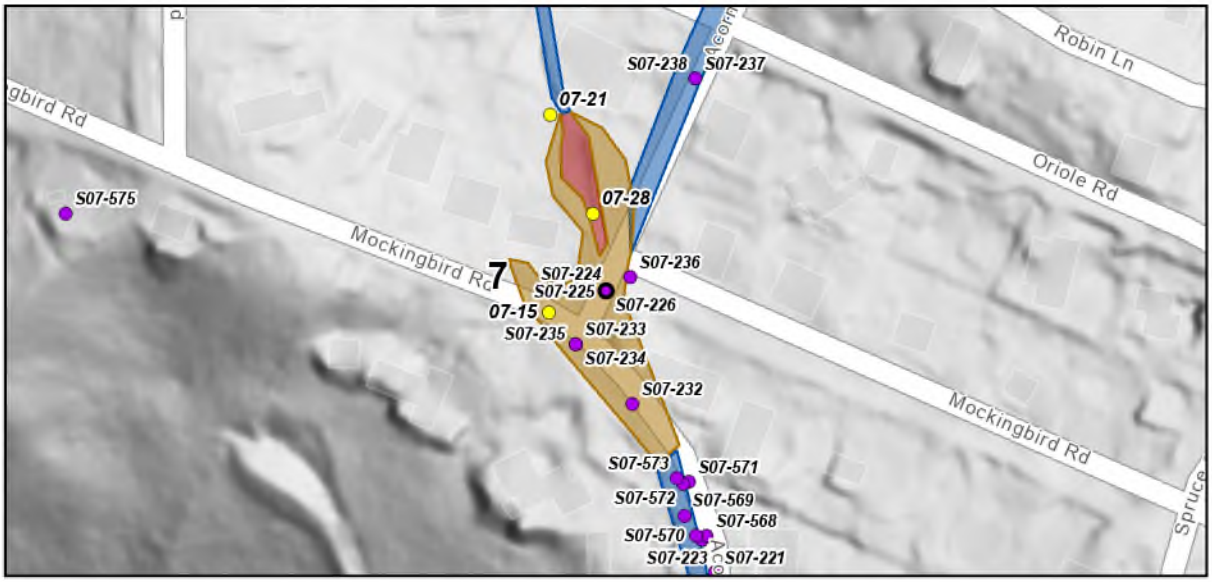


Appendix D
SB County Obs.

S07-229

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

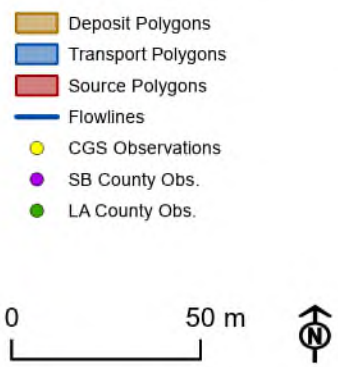
0 50 m

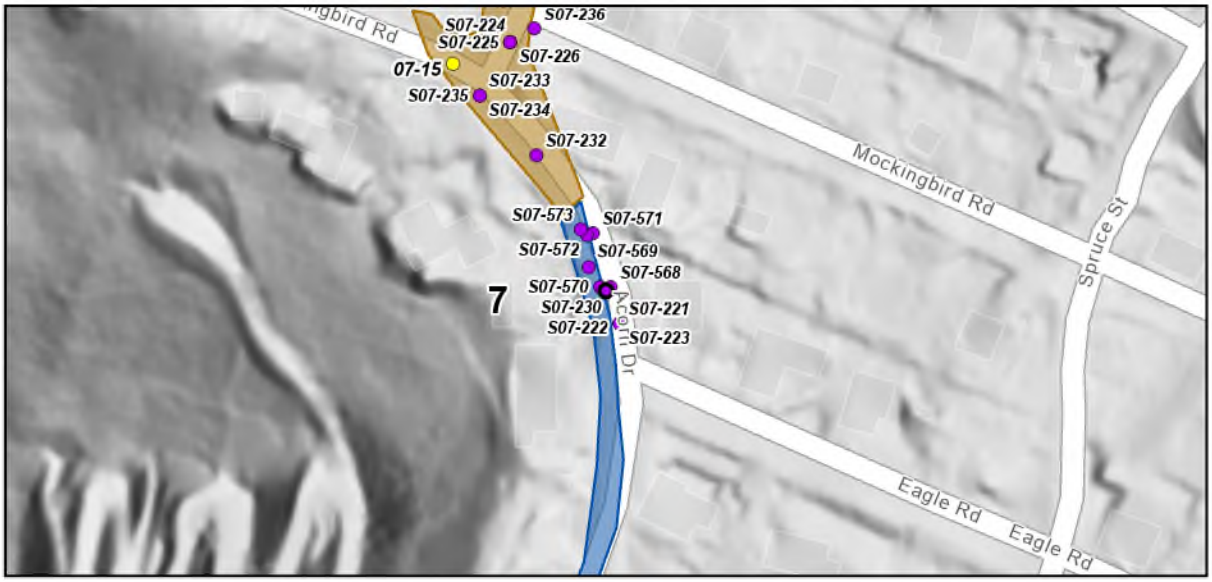




Appendix D
SB County Obs.

S07-230





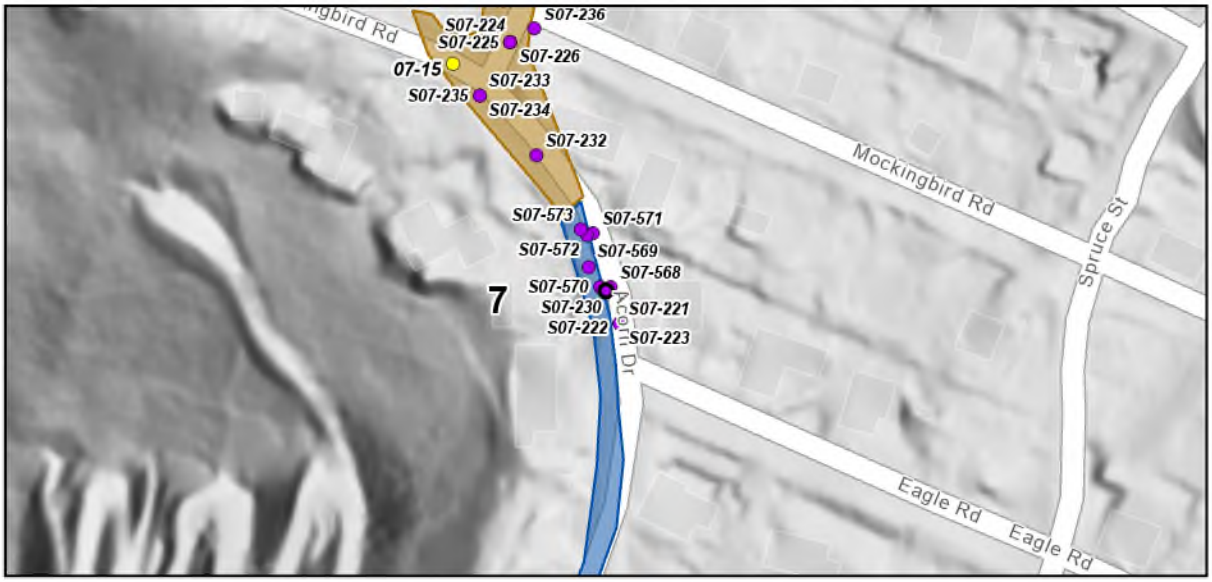


Appendix D
SB County Obs.

S07-231

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-232

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



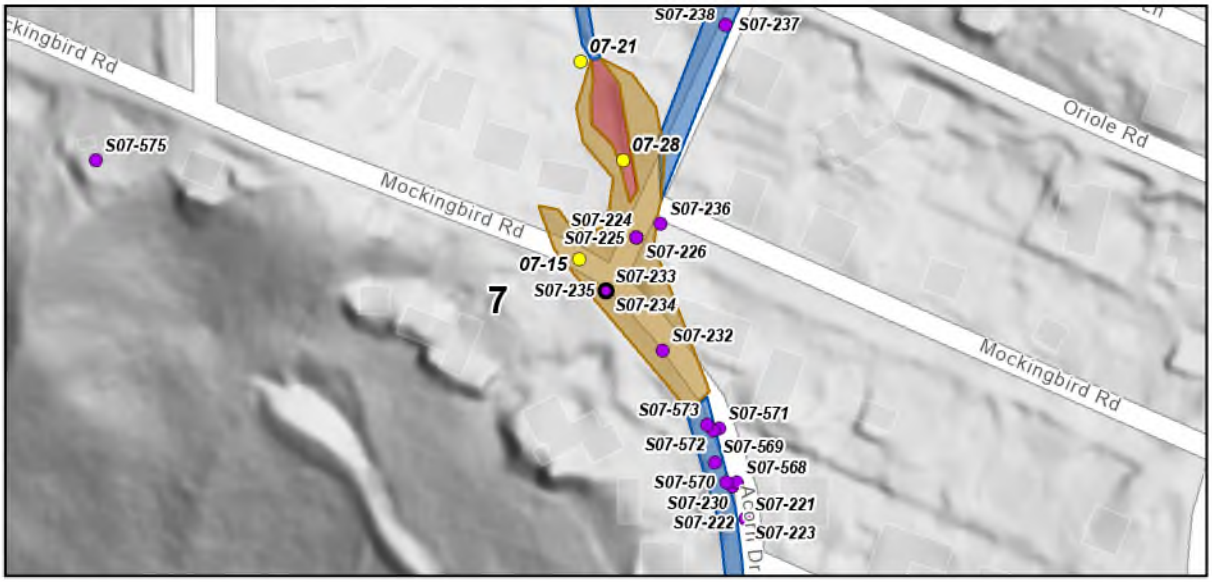


Appendix D
SB County Obs.

S07-233

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



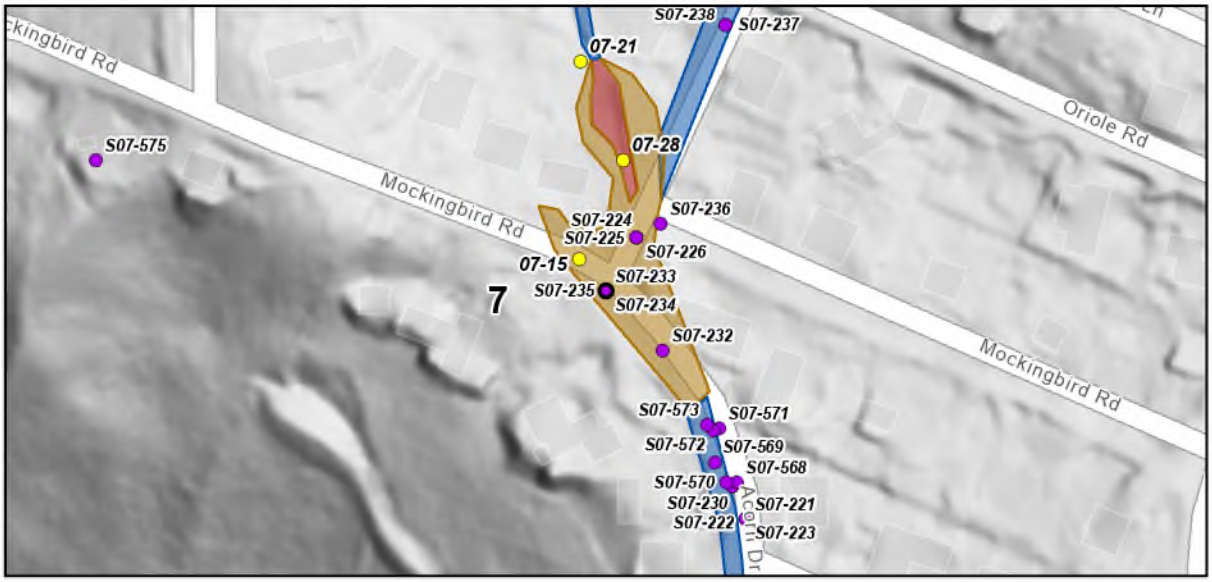


Appendix D
SB County Obs.

S07-234

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



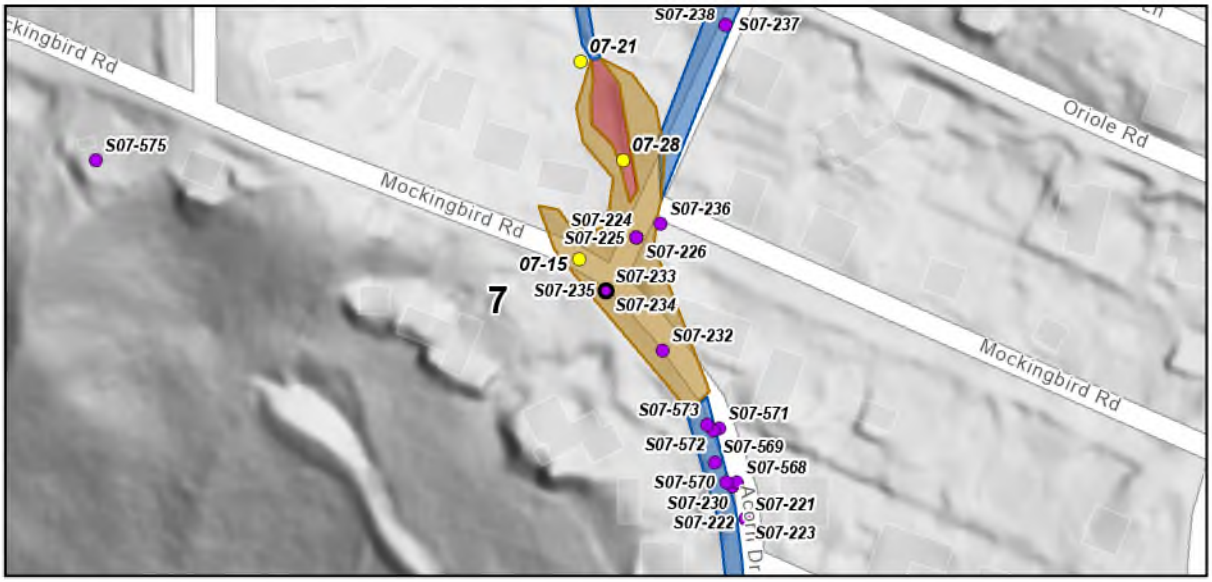


Appendix D
SB County Obs.

S07-235

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 — 50 m



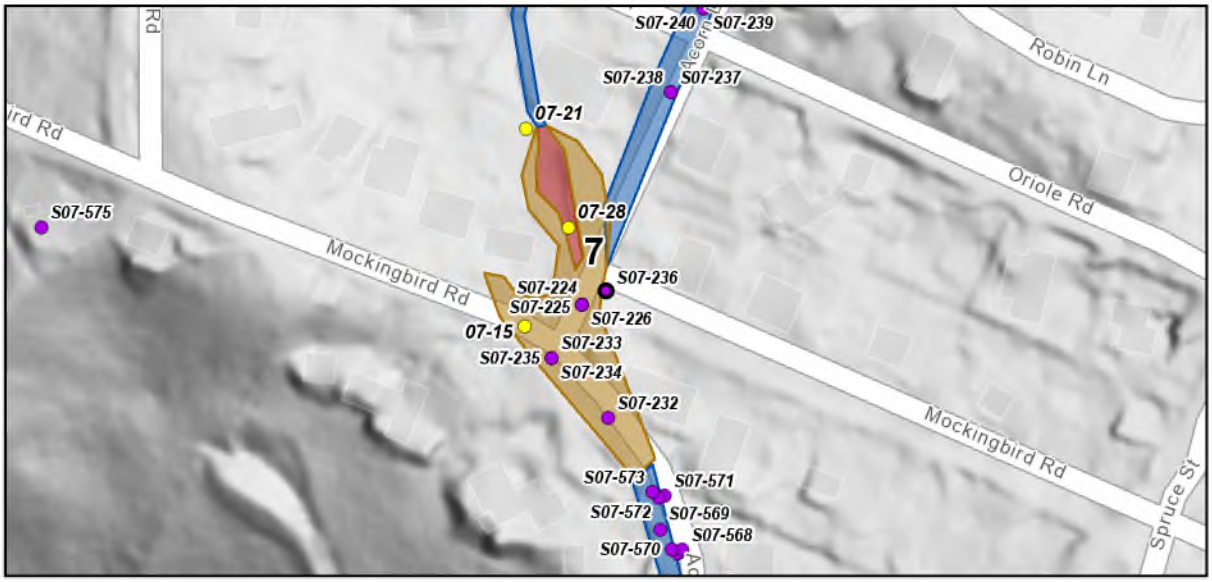


Appendix D
SB County Obs.

S07-236

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-237

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-238

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-239

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-240

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

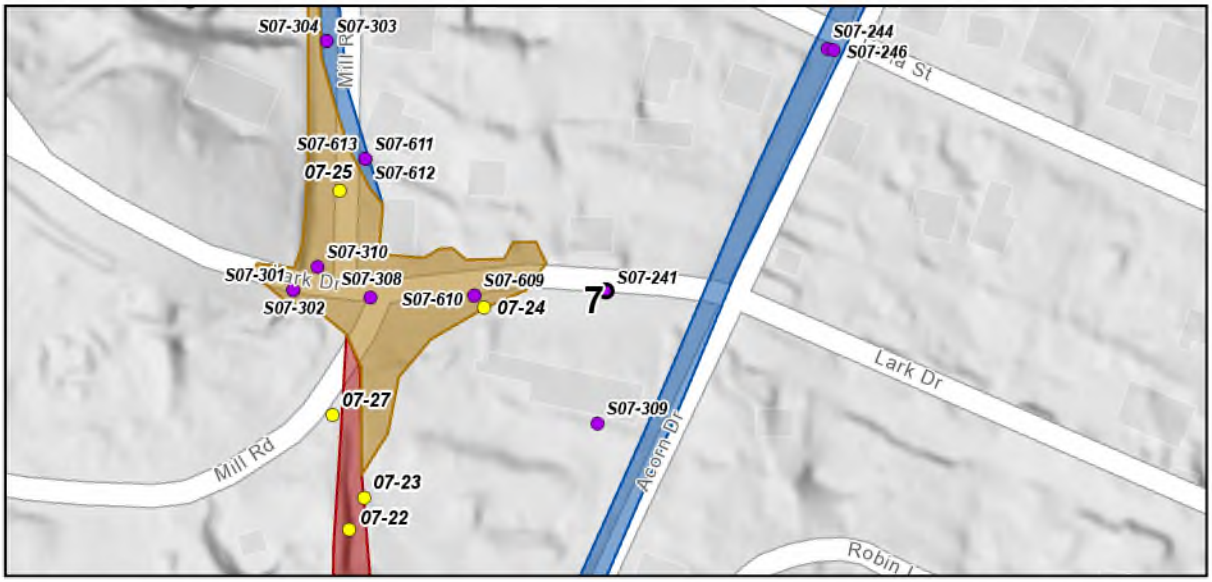
0 50 m





Appendix D
SB County Obs.

S07-241



- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



Appendix D
SB County Obs.

S07-242

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

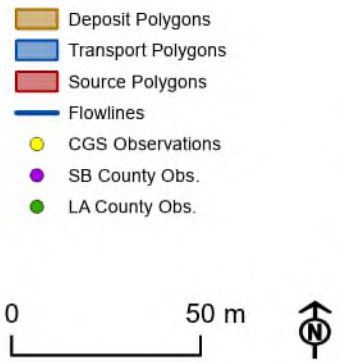
0 50 m





Appendix D
SB County Obs.

S07-243







Appendix D
SB County Obs.

S07-244

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-246

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 — 50 m





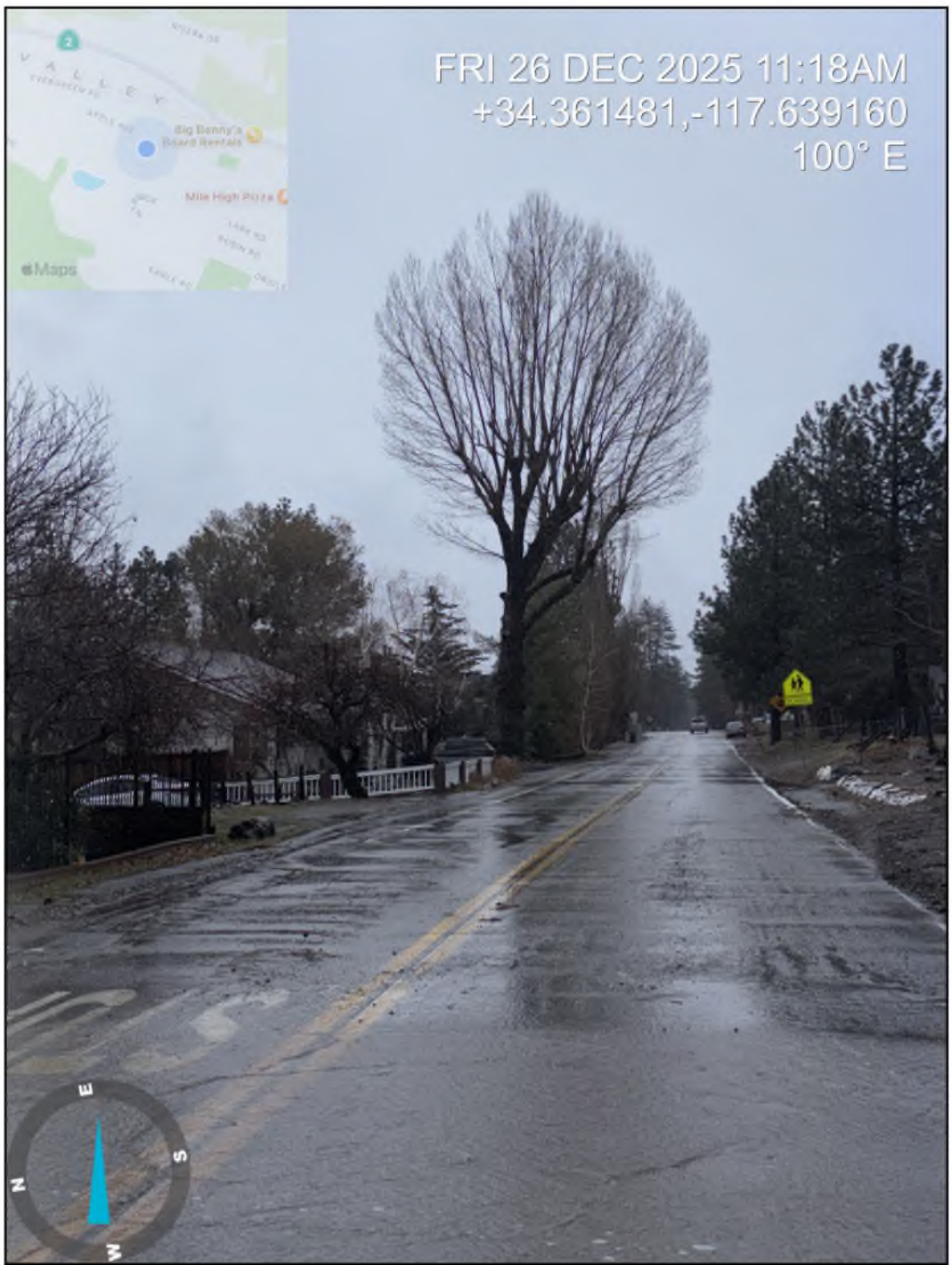
Appendix D
SB County Obs.

S07-247

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-248

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

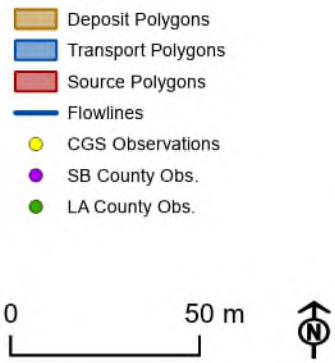
0 50 m





Appendix D
SB County Obs.

S07-249





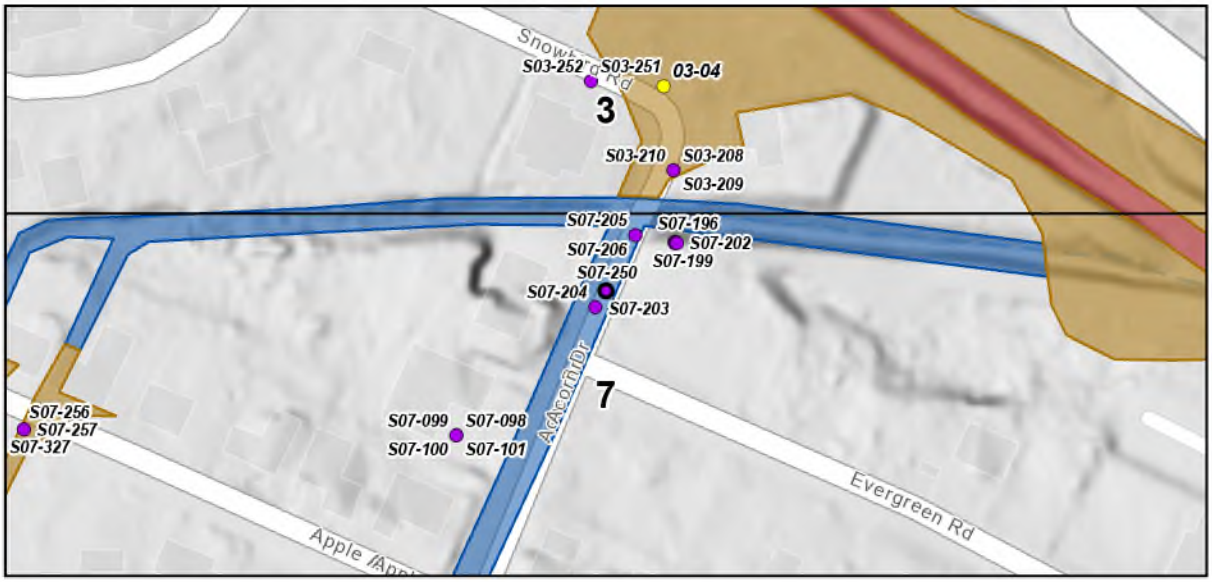


Appendix D
SB County Obs.

S07-250

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



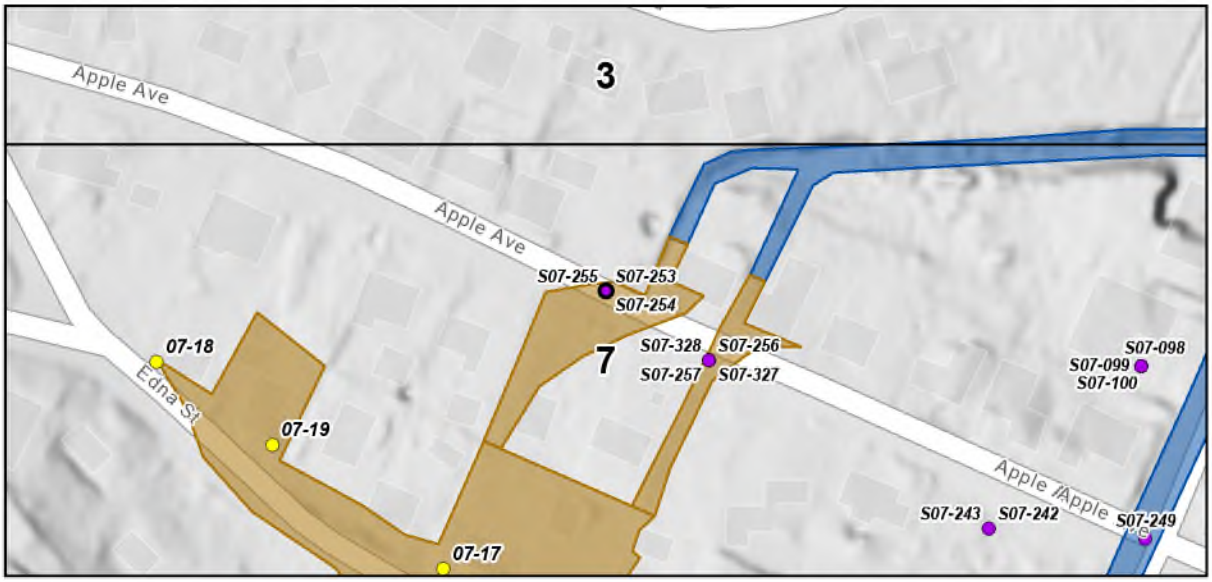


Appendix D
SB County Obs.

S07-253

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



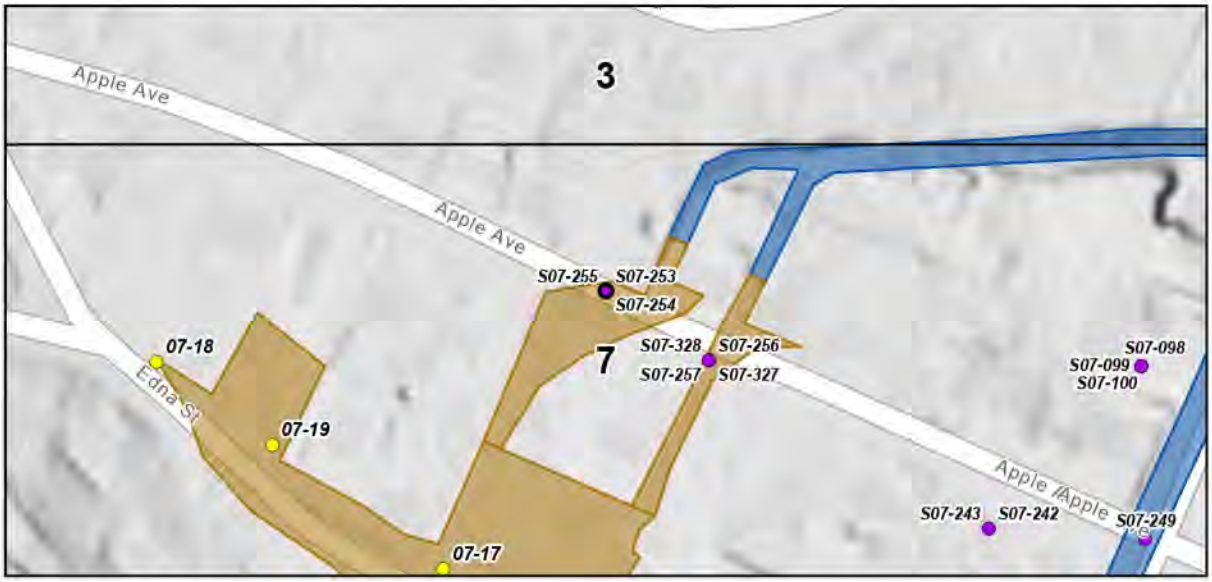


Appendix D
SB County Obs.

S07-254

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



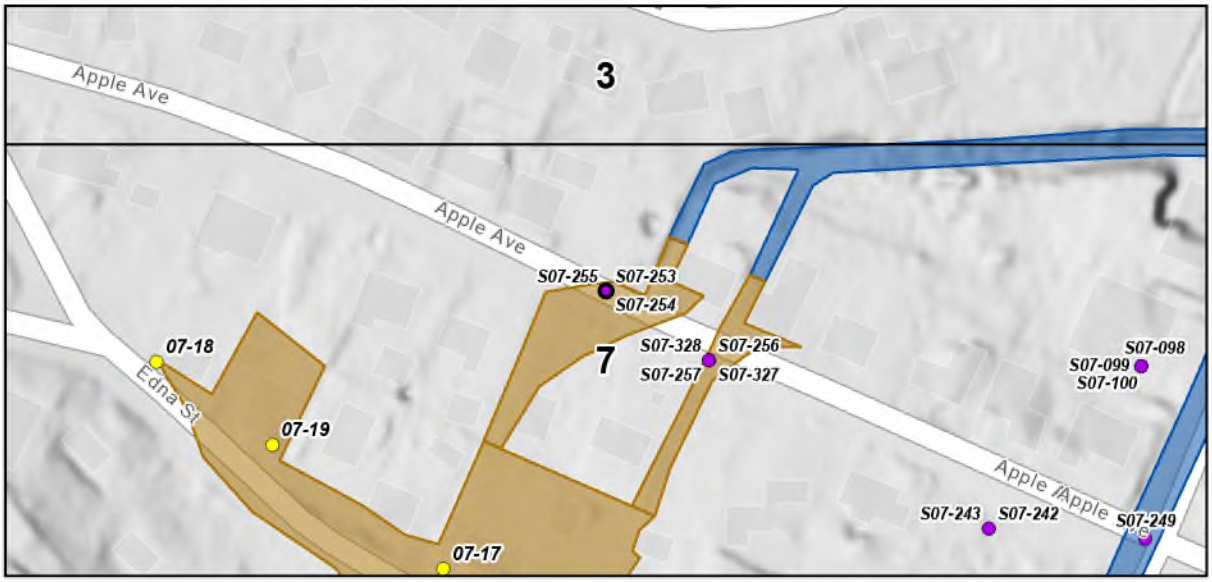


Appendix D
SB County Obs.

S07-255

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



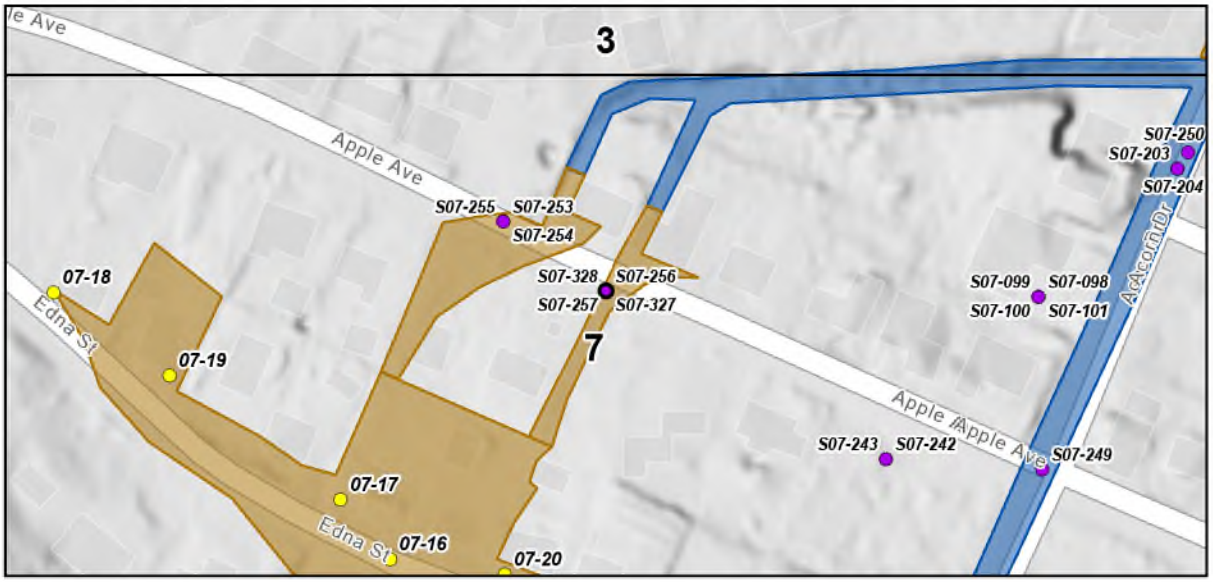


Appendix D
SB County Obs.

S07-256

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



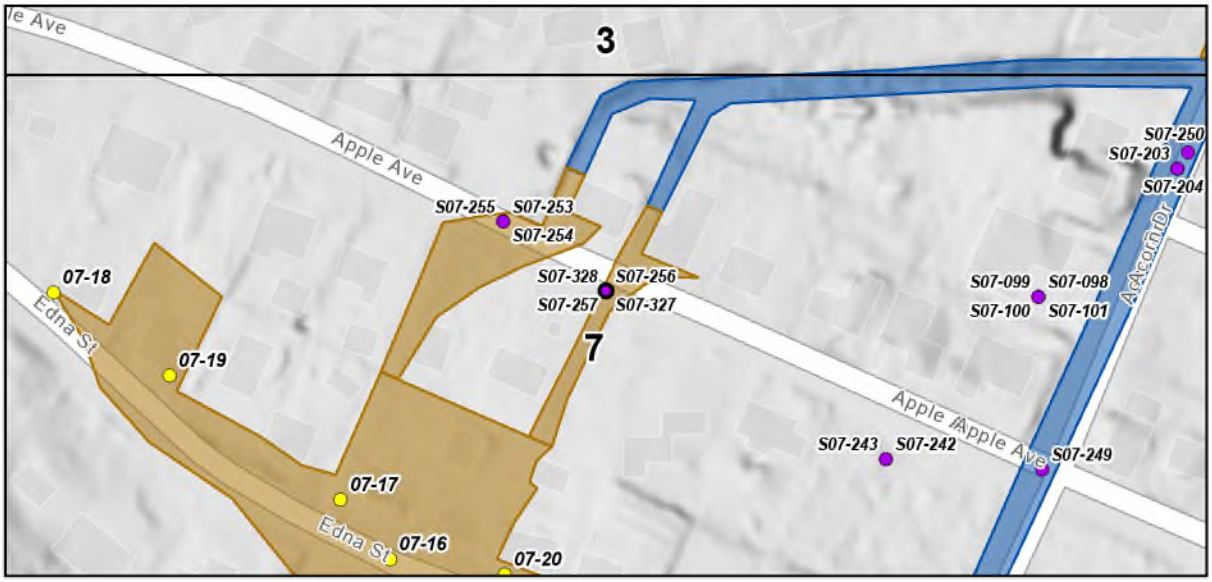


Appendix D
SB County Obs.

S07-257

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



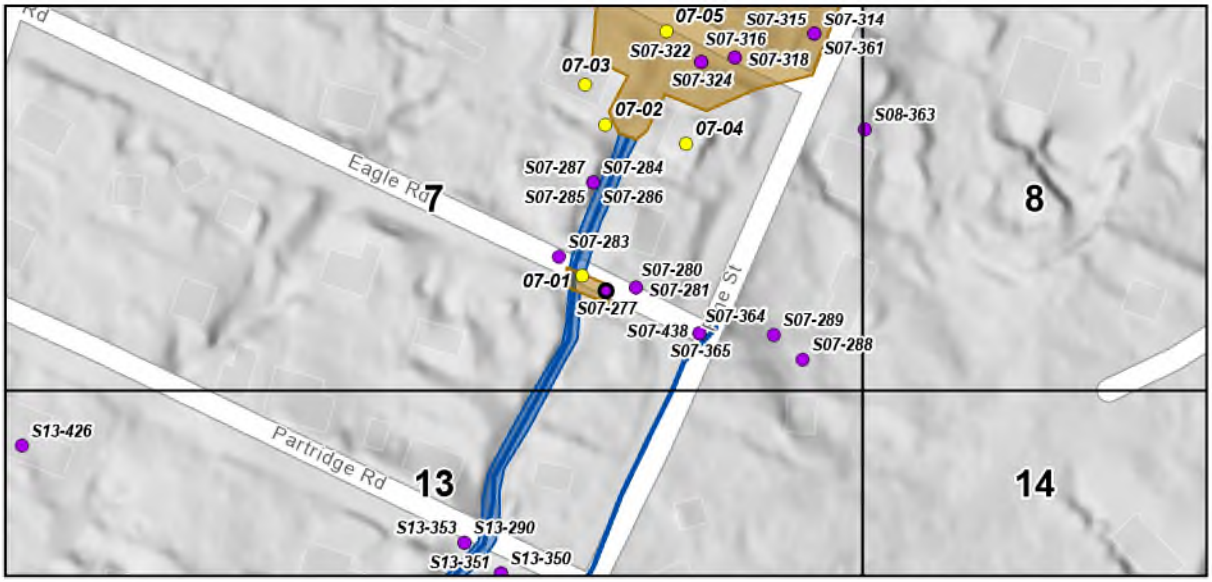


Appendix D
SB County Obs.

S07-277

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



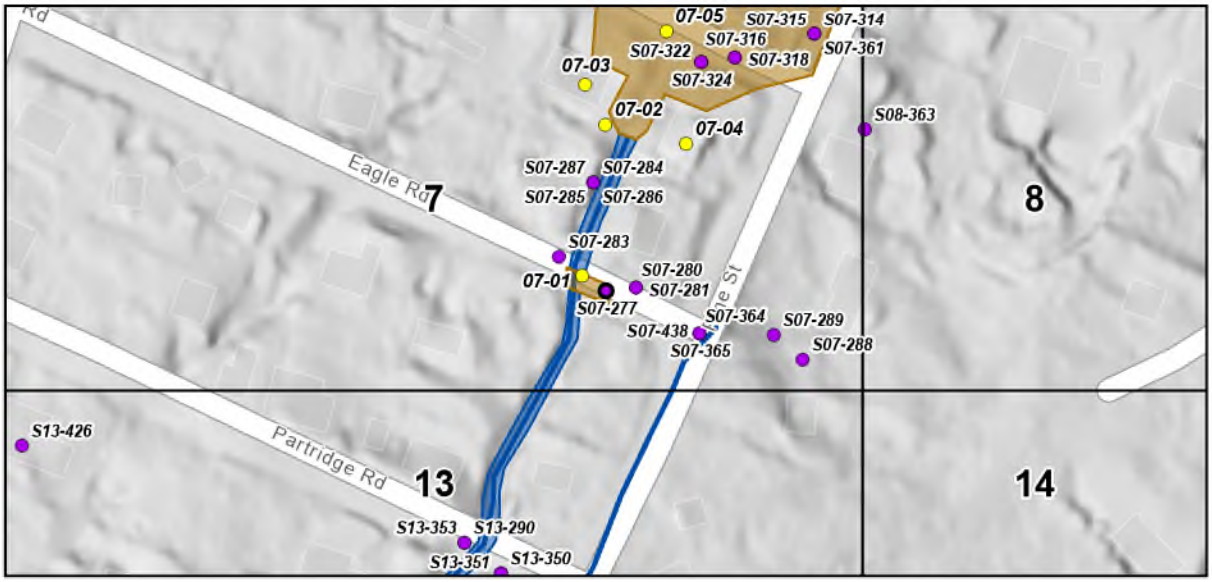


Appendix D
SB County Obs.

S07-278

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



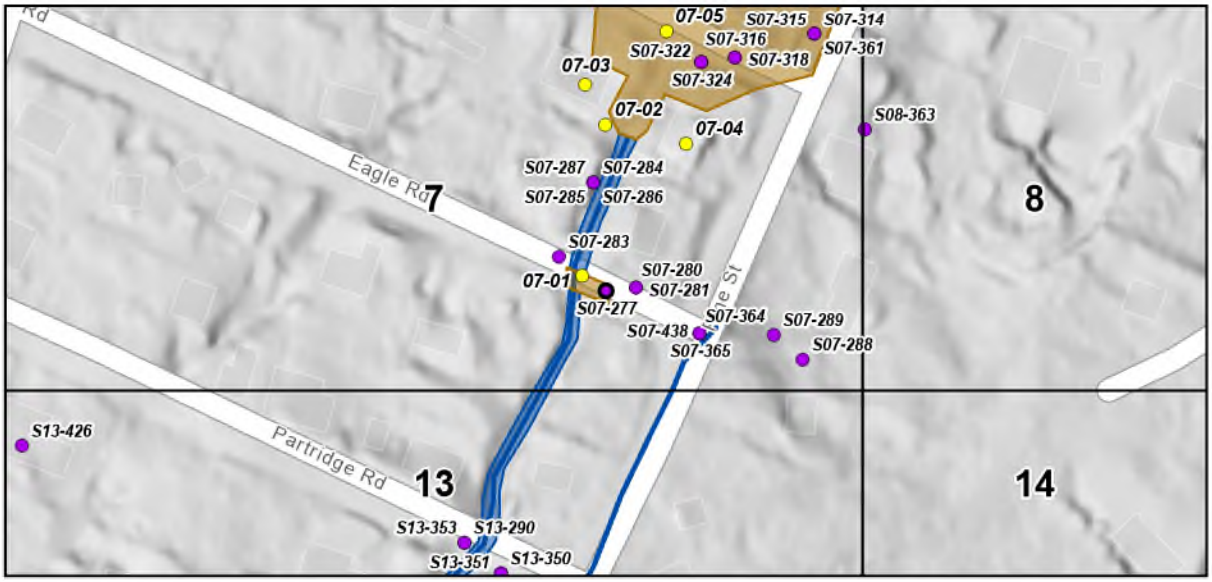


Appendix D
SB County Obs.

S07-279

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



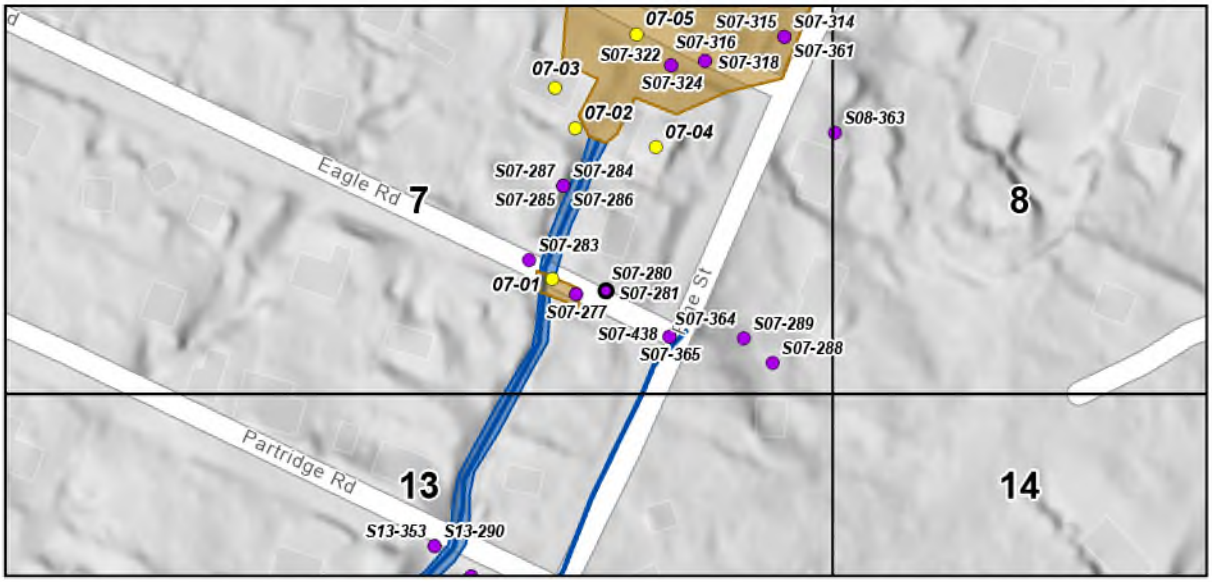


Appendix D
SB County Obs.

S07-280

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



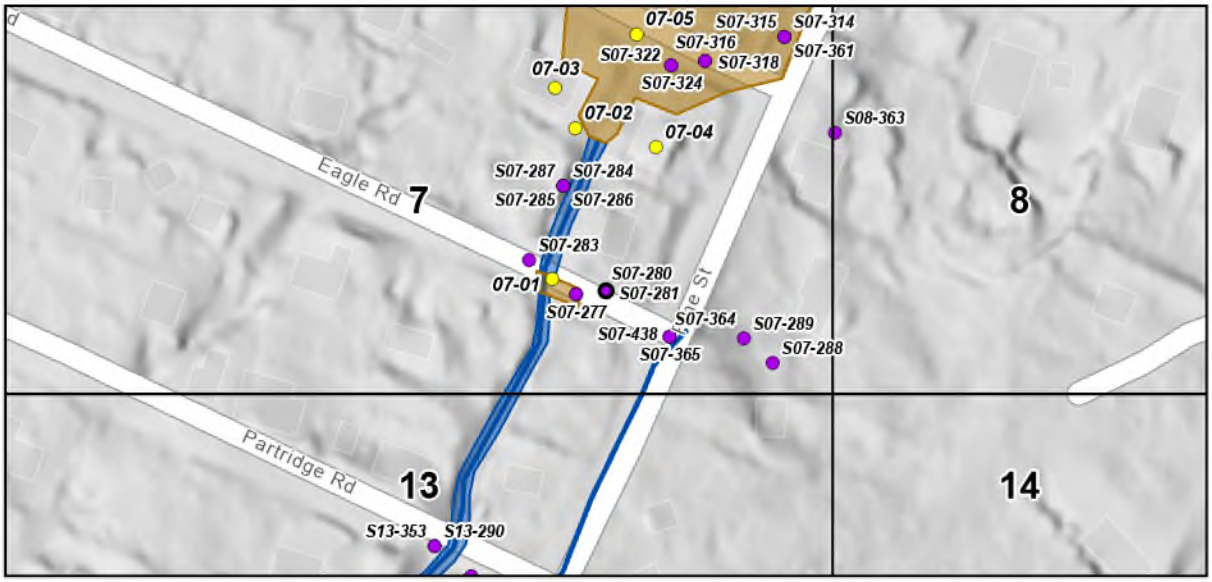


Appendix D
SB County Obs.

S07-281

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



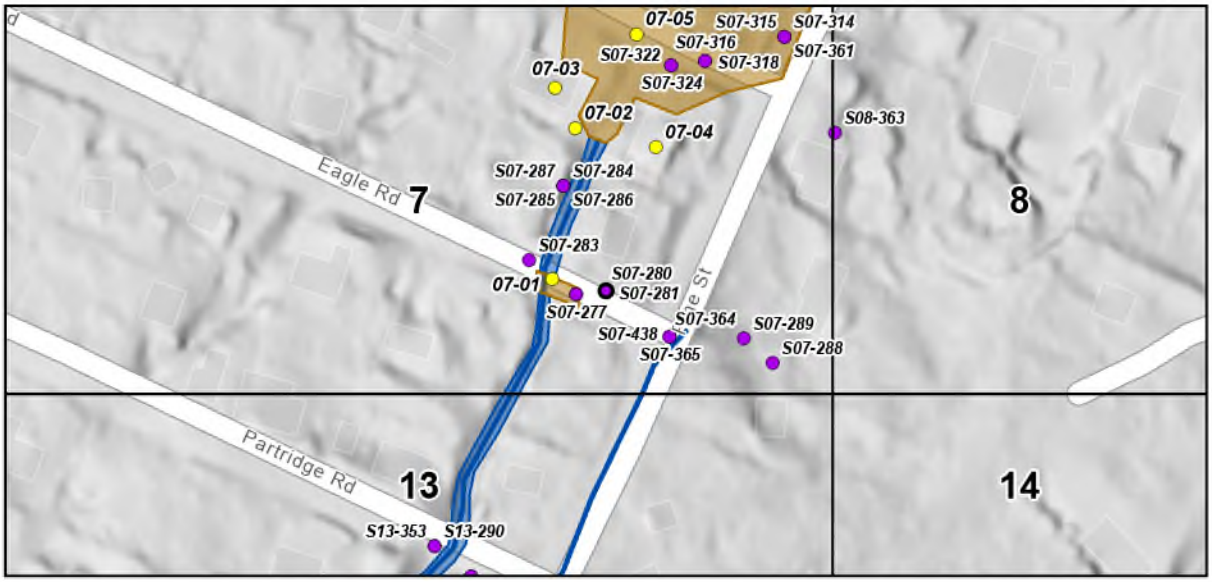


Appendix D
SB County Obs.

S07-282

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



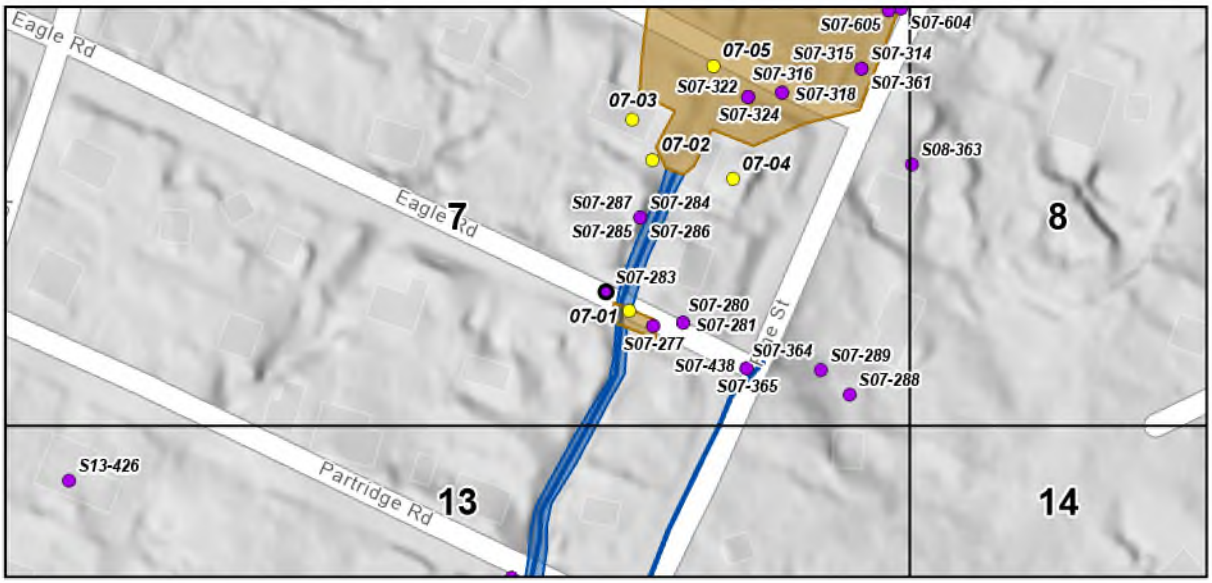


Appendix D
SB County Obs.

S07-283

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



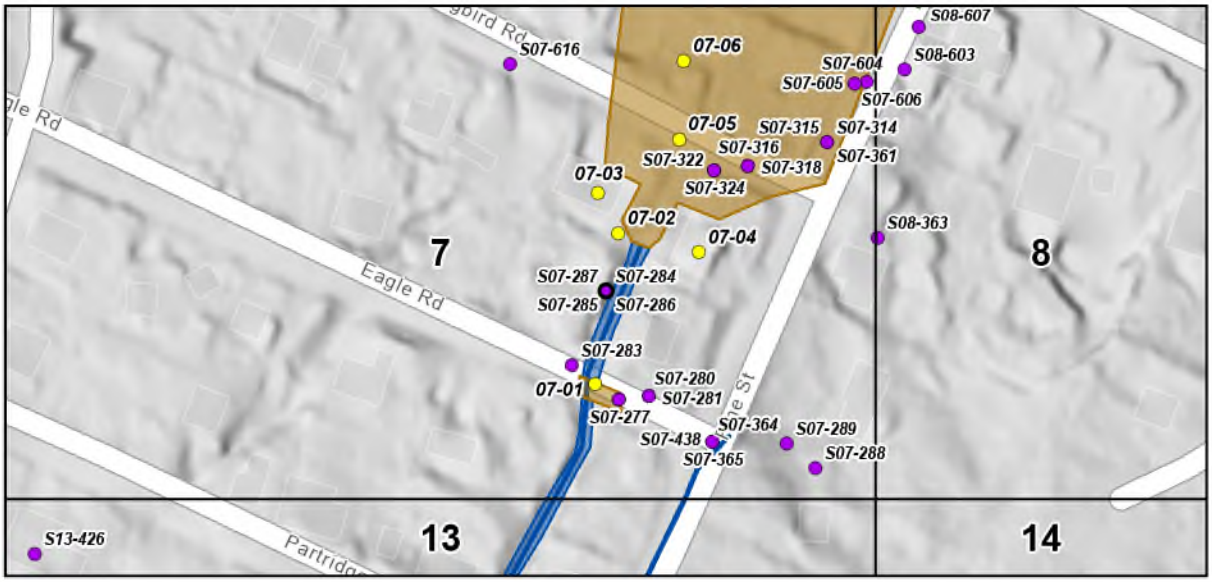


Appendix D
SB County Obs.

S07-284

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

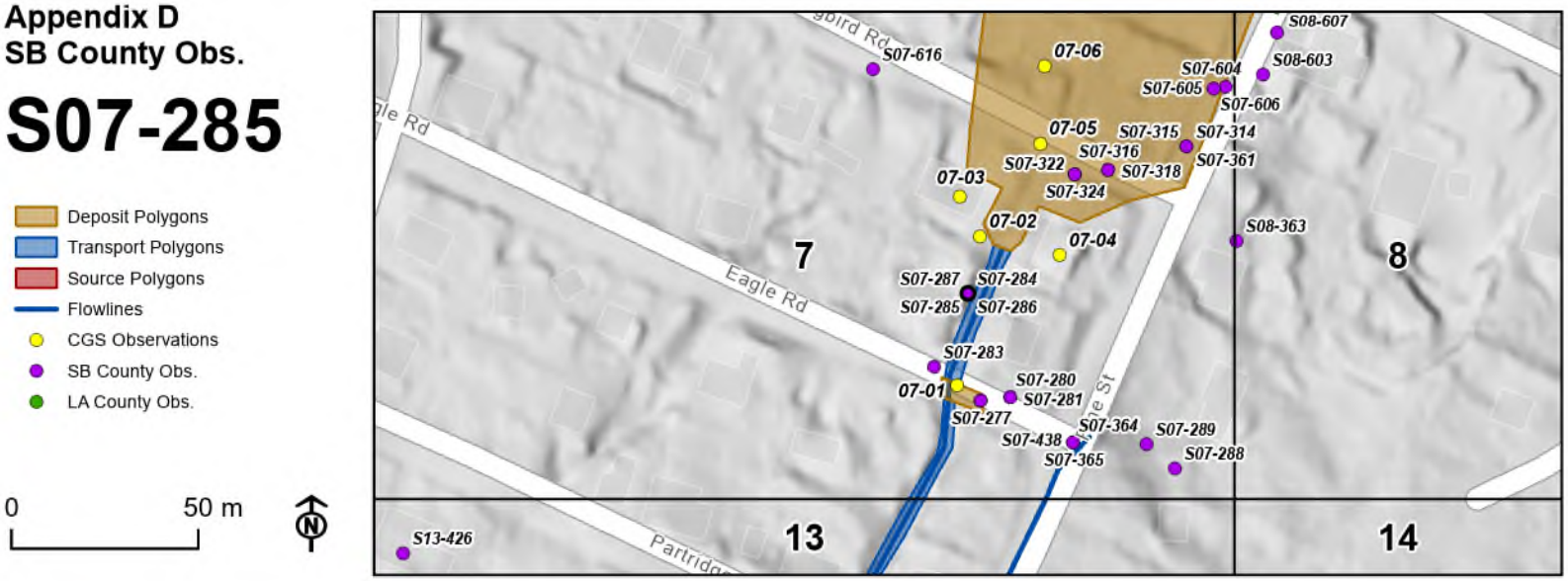
0 50 m





Appendix D
SB County Obs.

S07-285



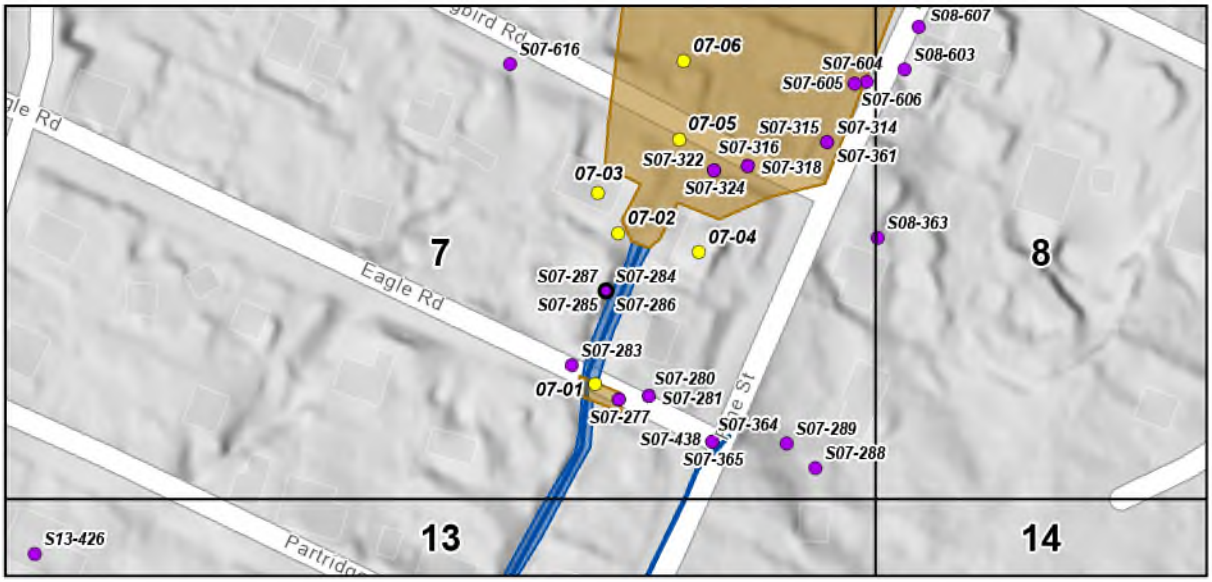


Appendix D
SB County Obs.

S07-286

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



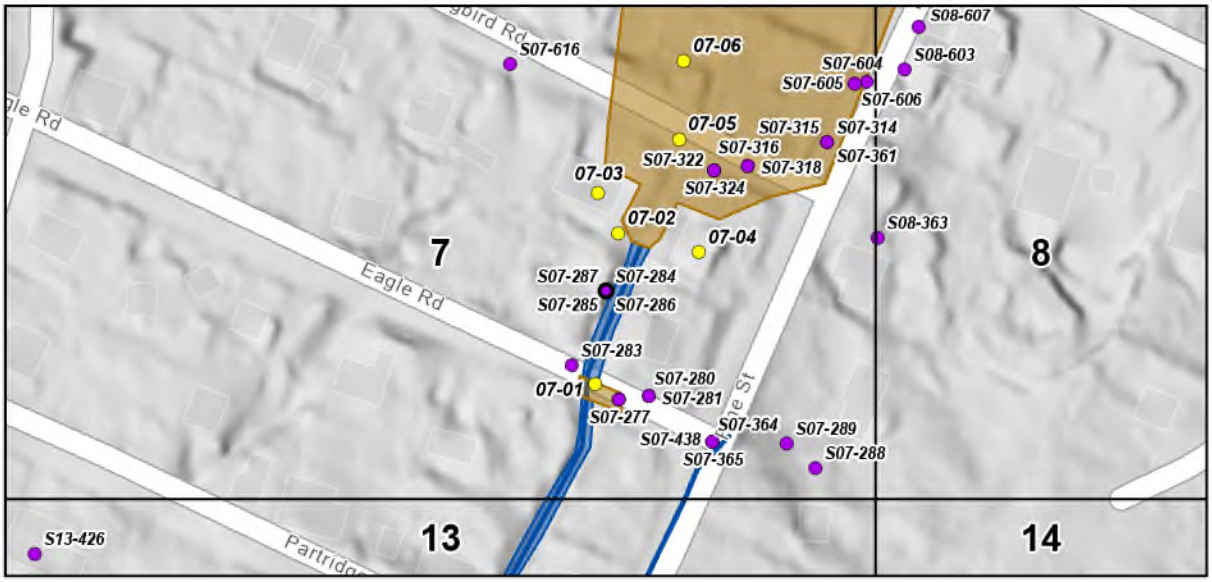


Appendix D
SB County Obs.

S07-287

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



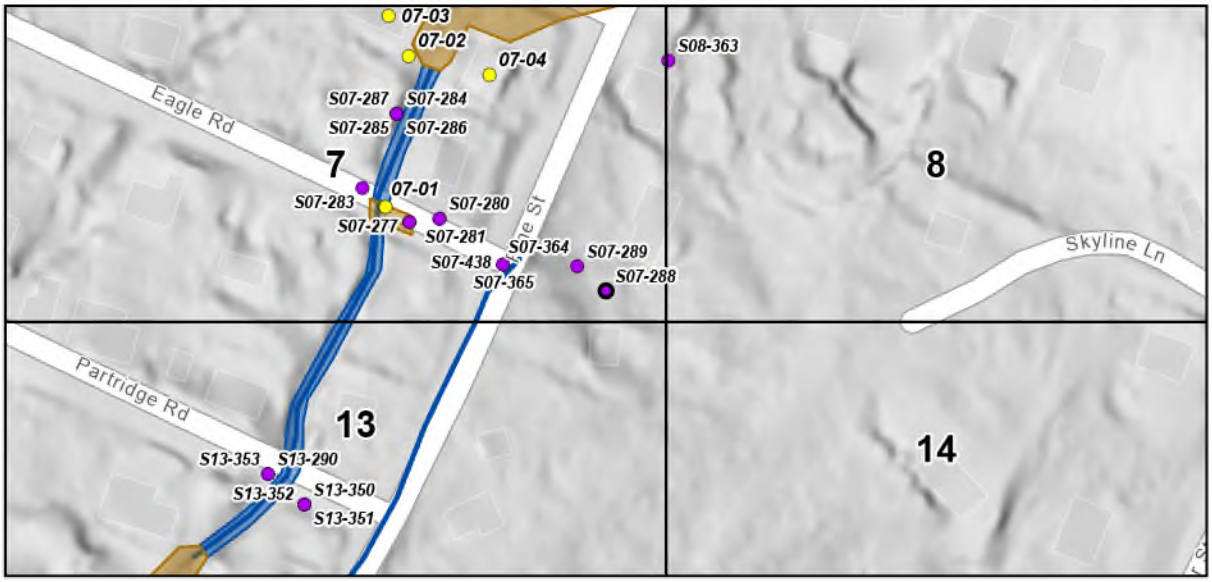


Appendix D
SB County Obs.

S07-288

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

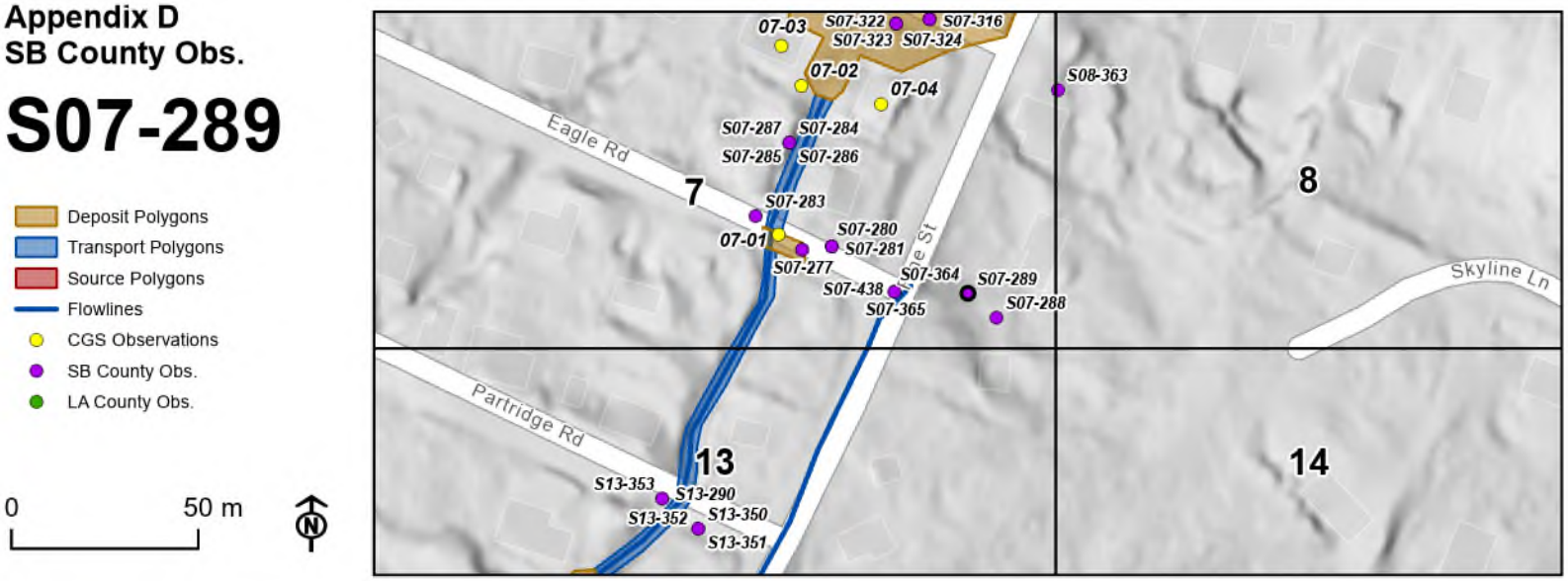
0 50 m





Appendix D
SB County Obs.

S07-289





Appendix D
SB County Obs.

S07-299

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



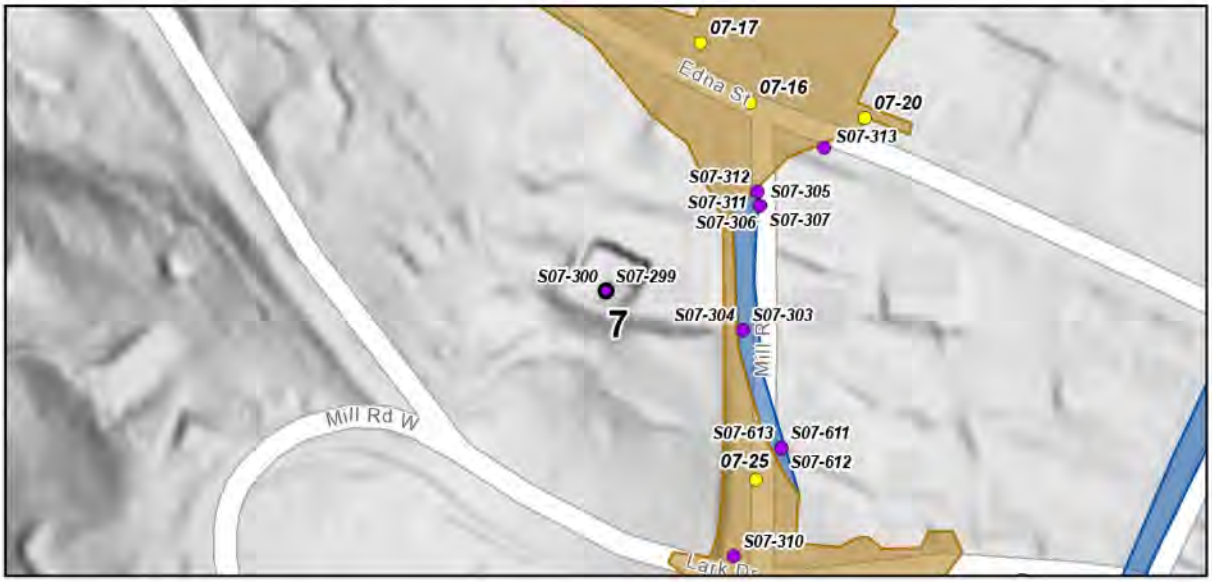


Appendix D
SB County Obs.

S07-300

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



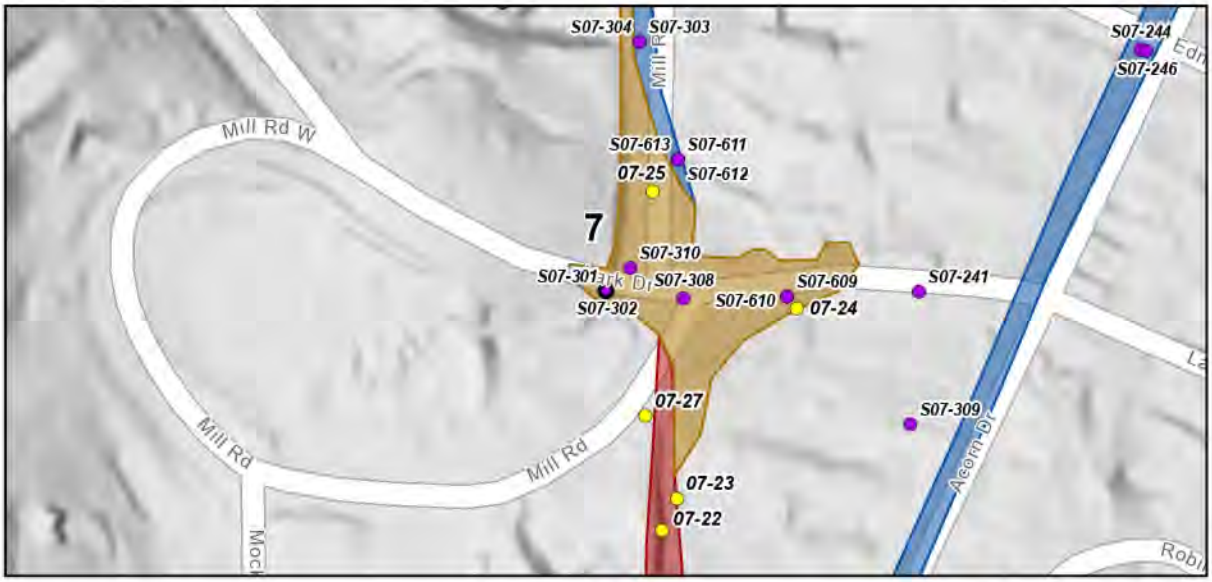


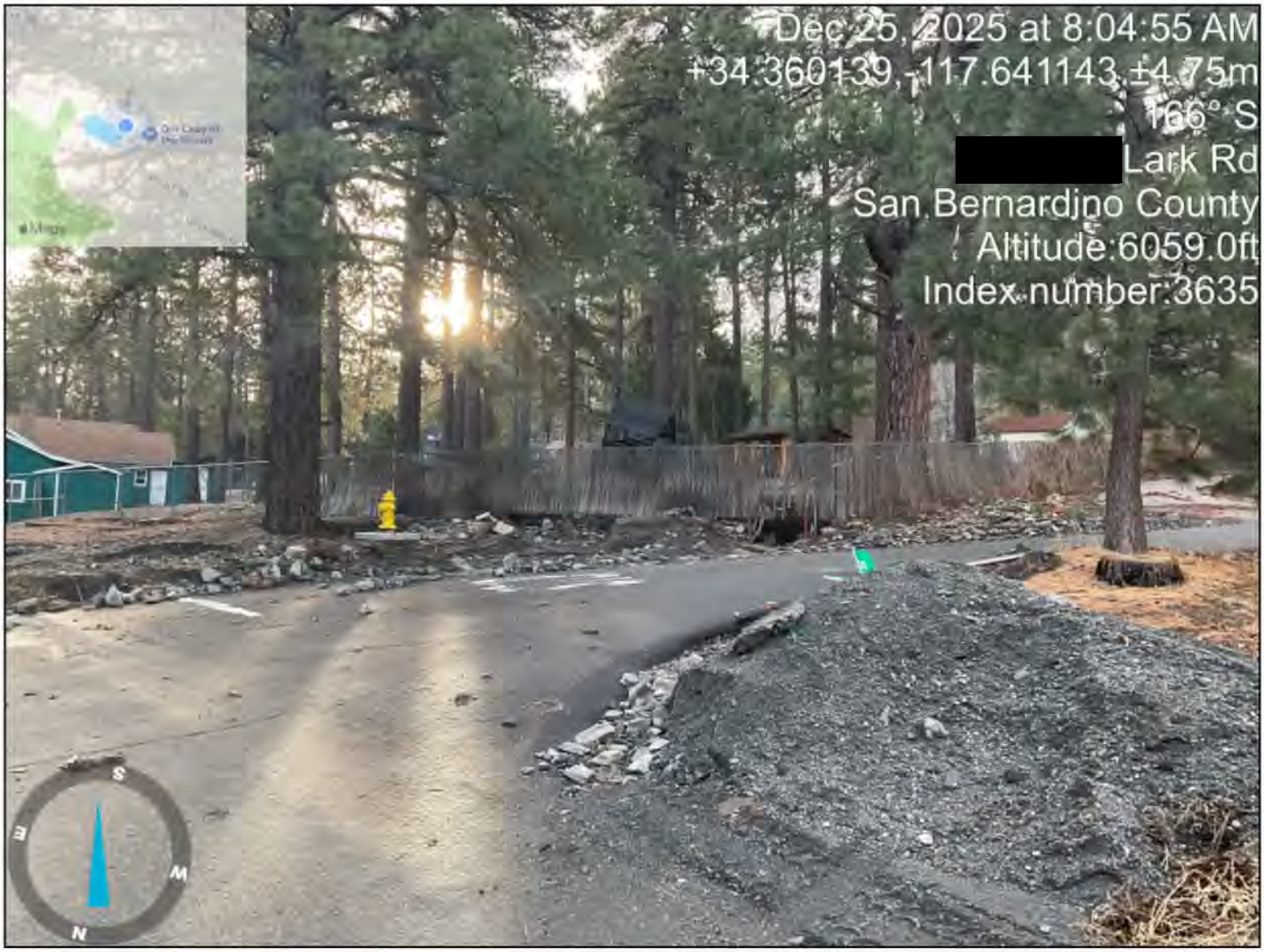
Appendix D
SB County Obs.

S07-301

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



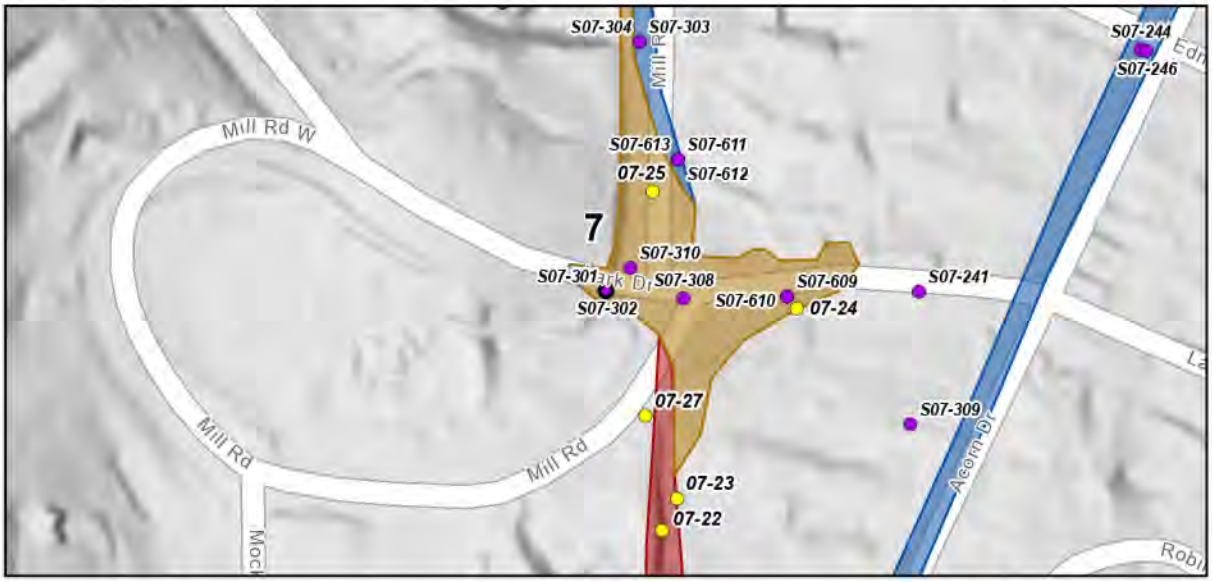


Appendix D
SB County Obs.

S07-302

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-303

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 — 50 m





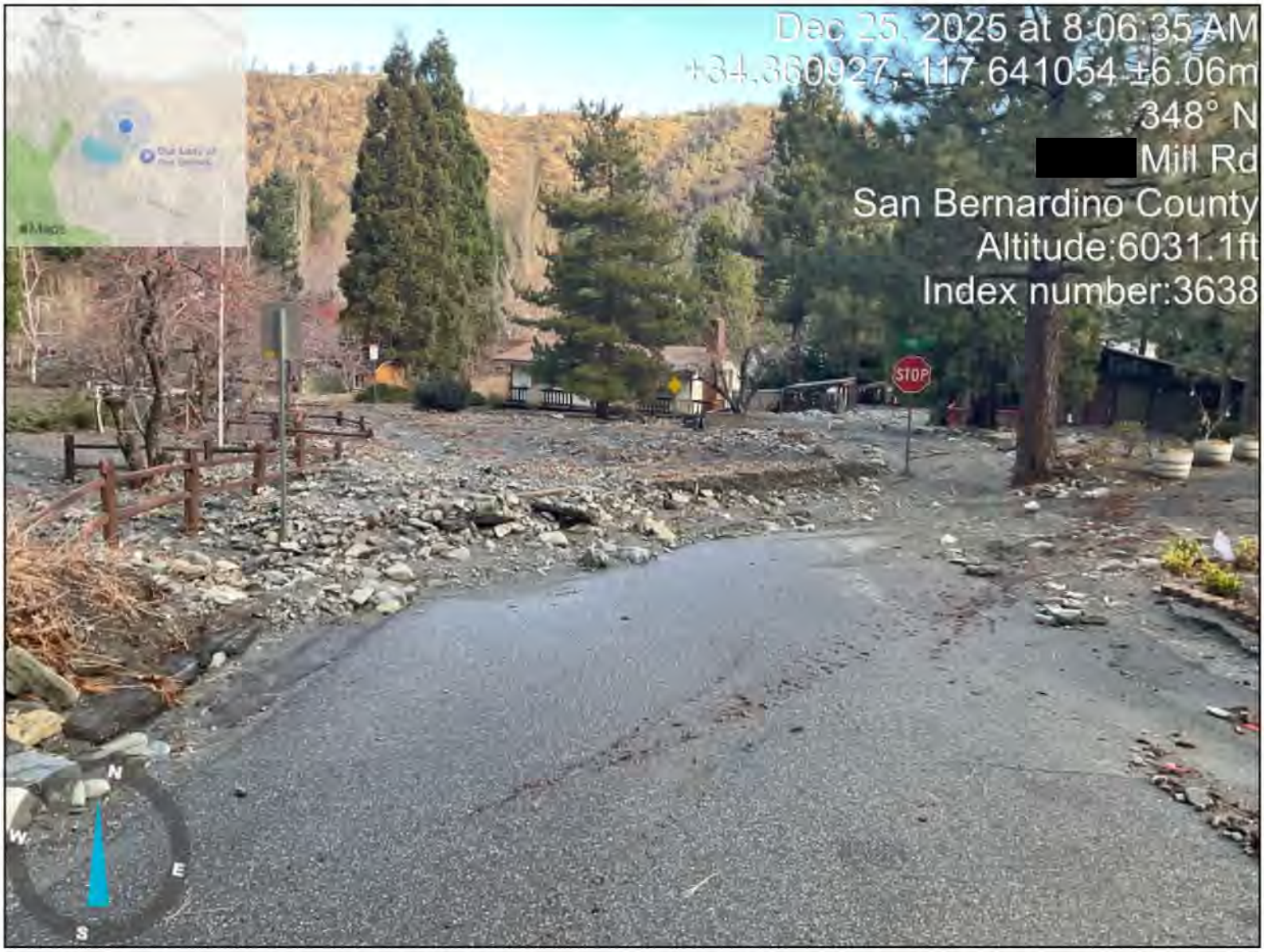
Appendix D
SB County Obs.

S07-304

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

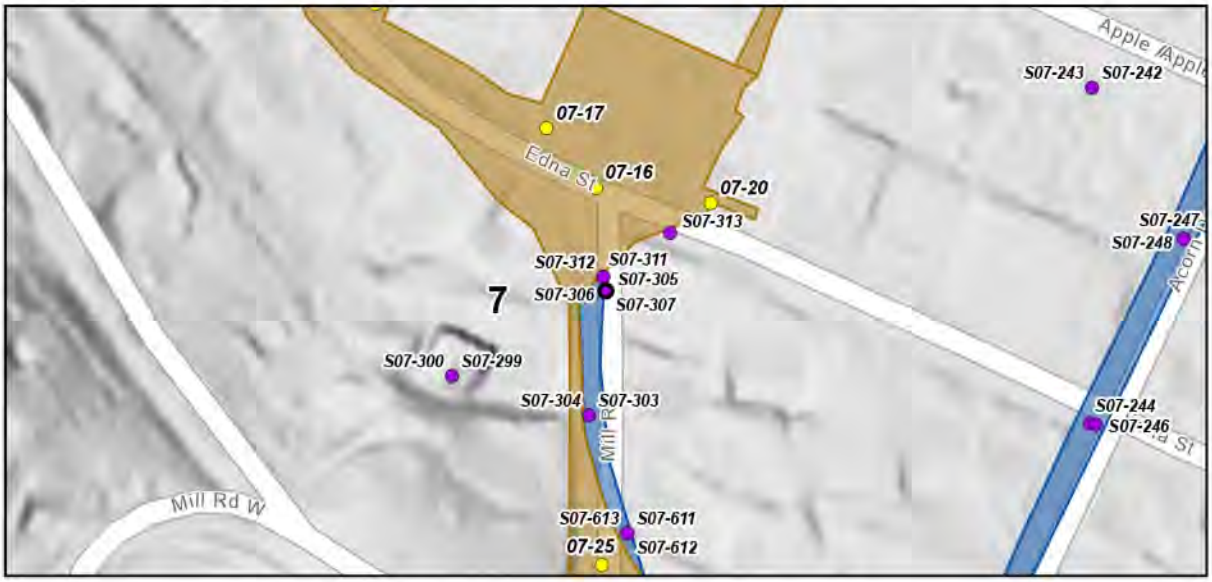
0 — 50 m





Appendix D
SB County Obs.

S07-305



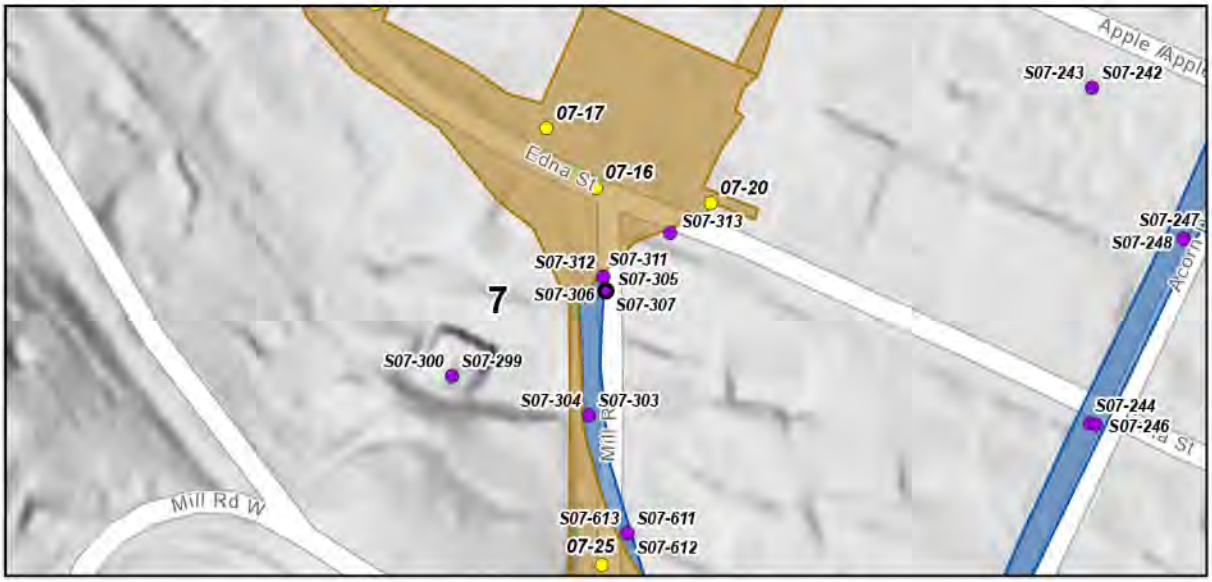


Appendix D
SB County Obs.

S07-306

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



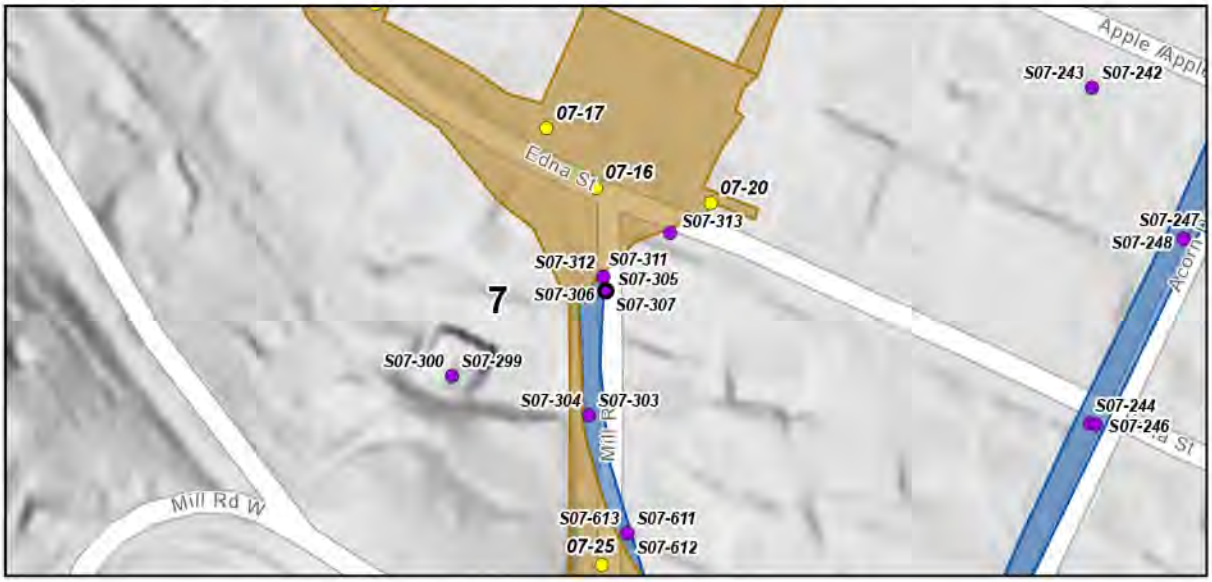


Appendix D
SB County Obs.

S07-307

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



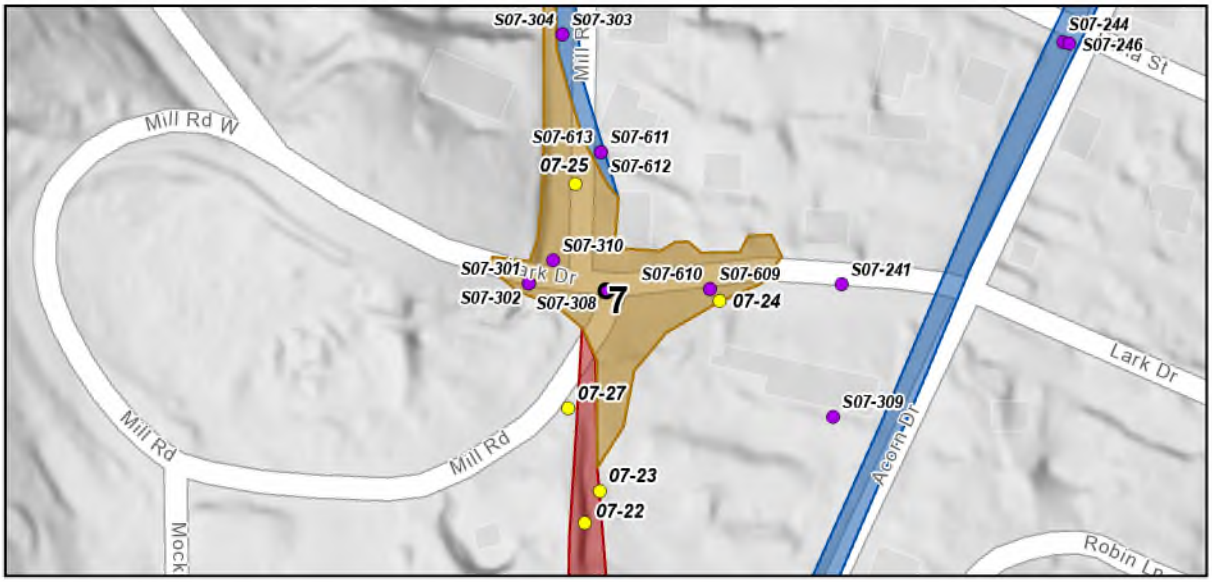


Appendix D
SB County Obs.

S07-308

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



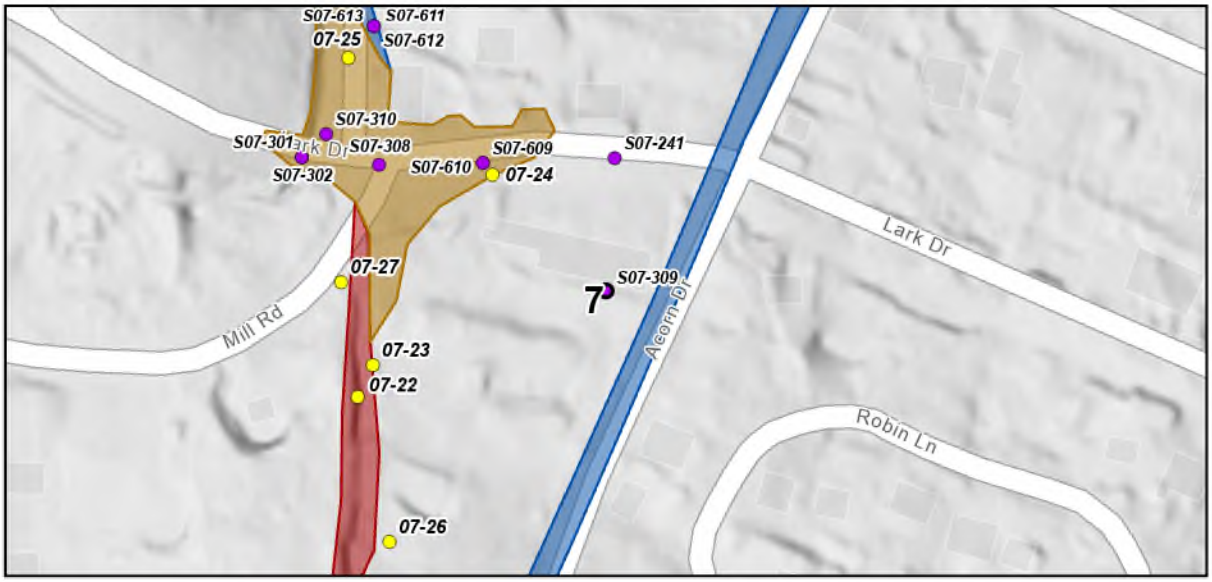


Appendix D
SB County Obs.

S07-309

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



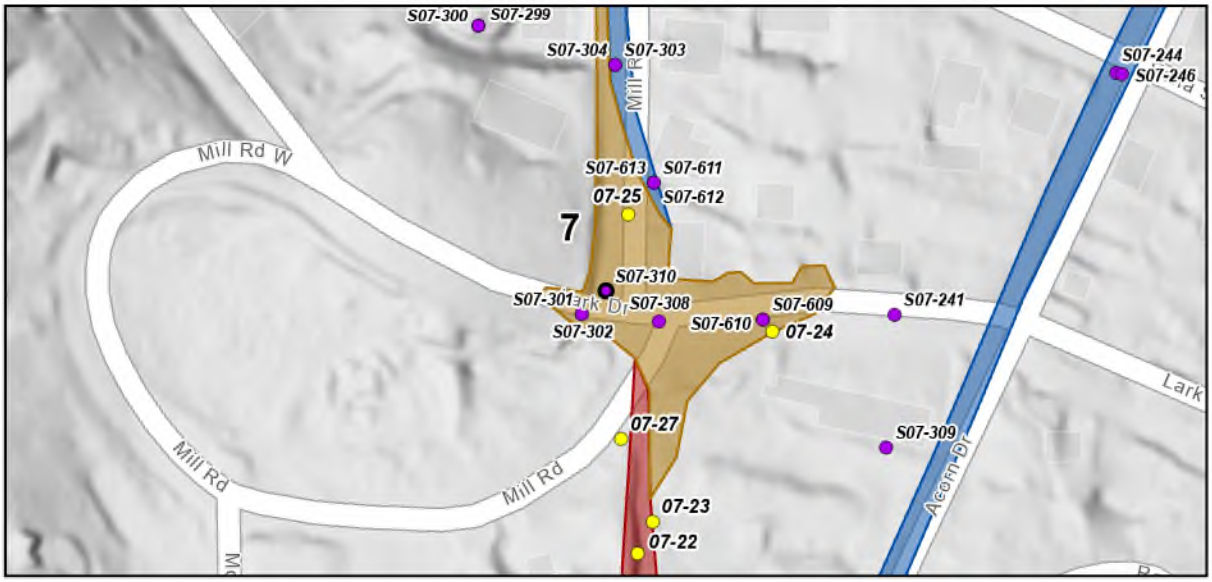


Appendix D
SB County Obs.

S07-310

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



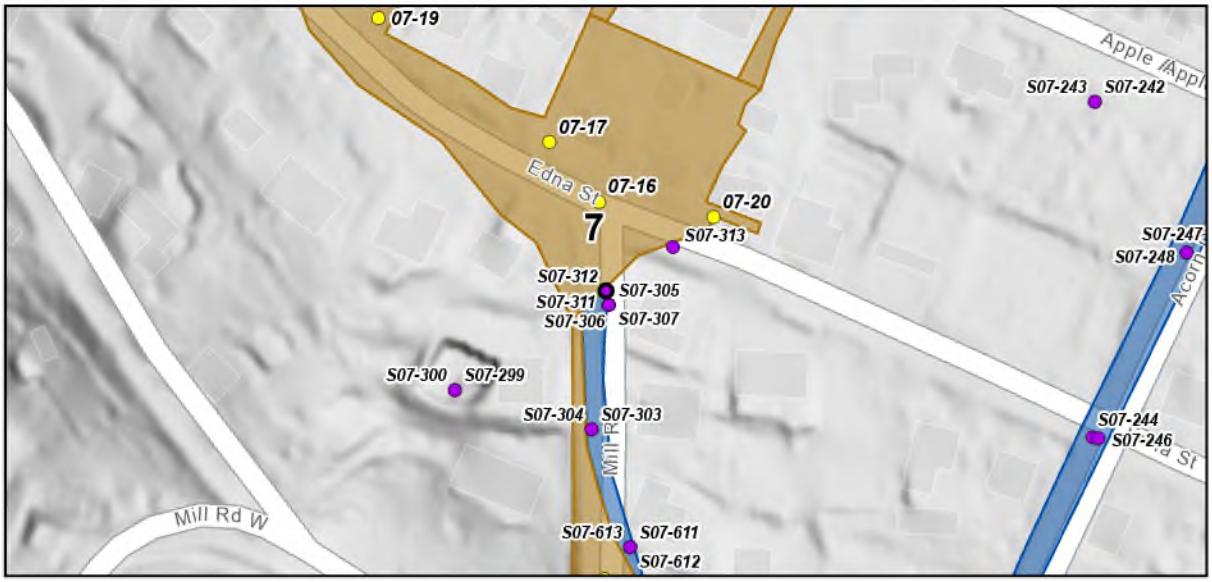


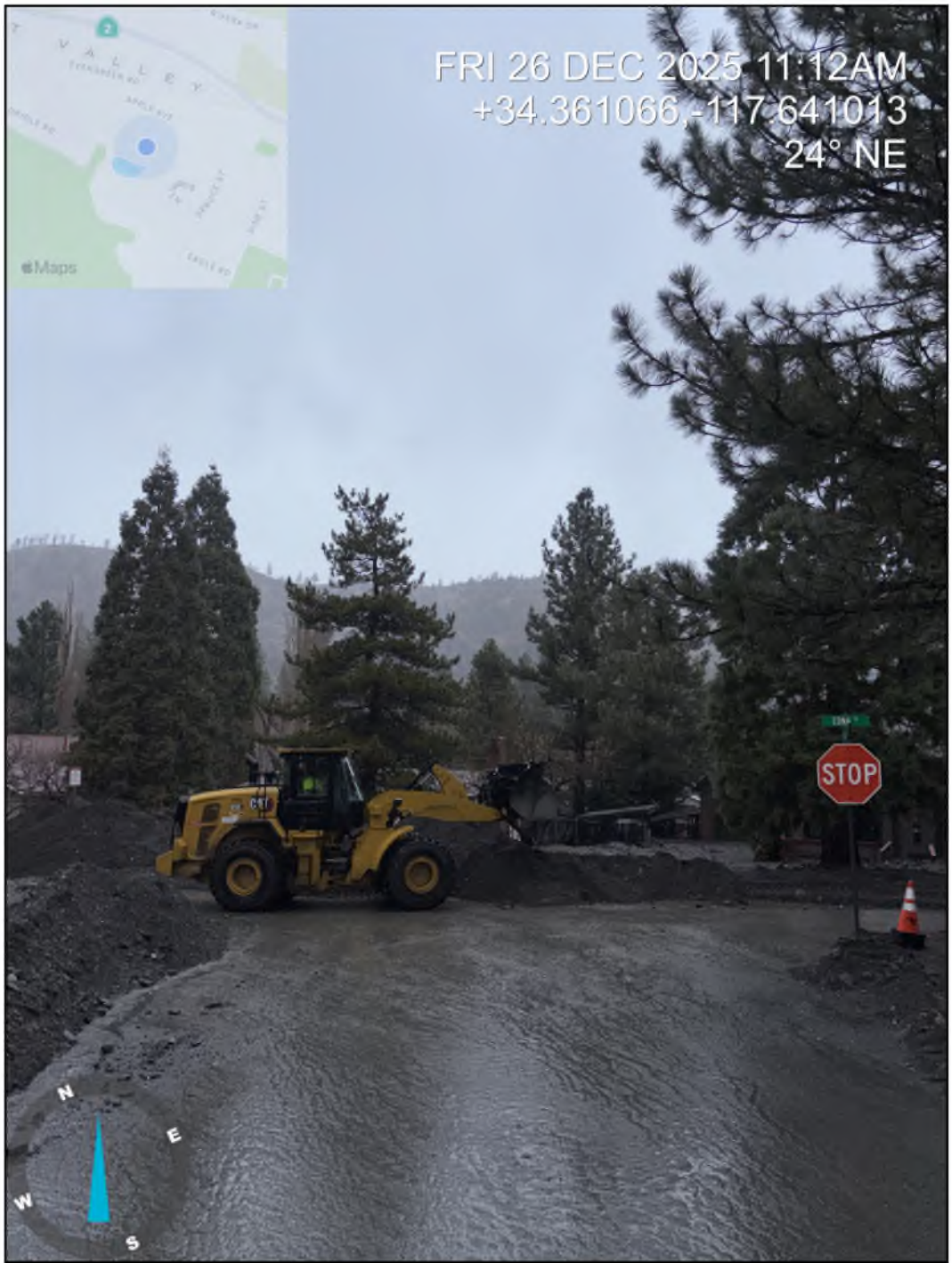
Appendix D
SB County Obs.

S07-311

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



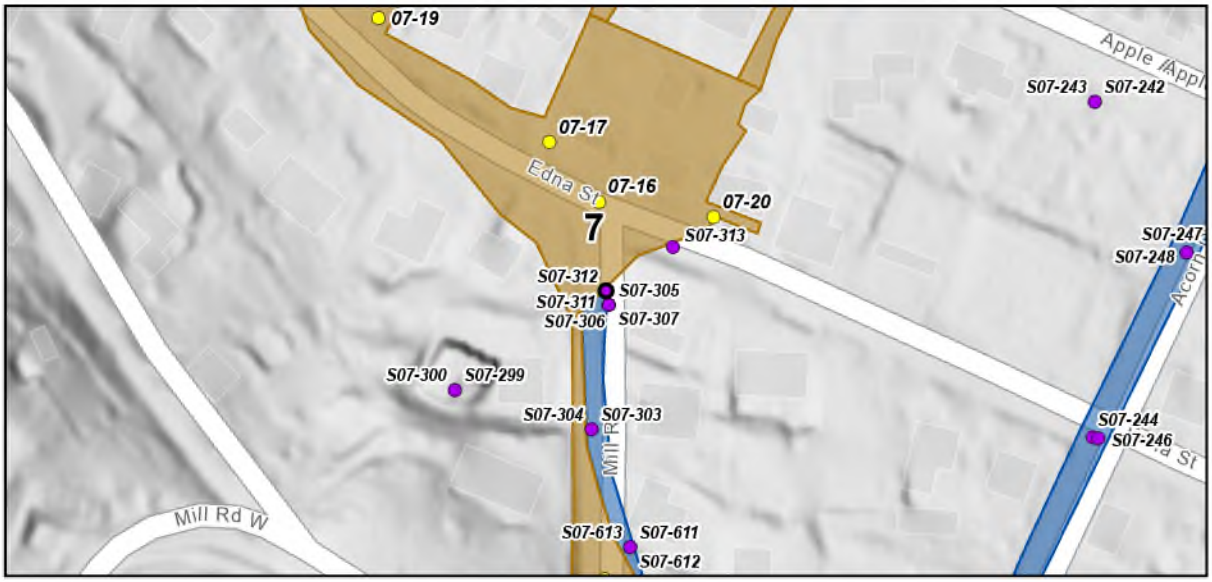


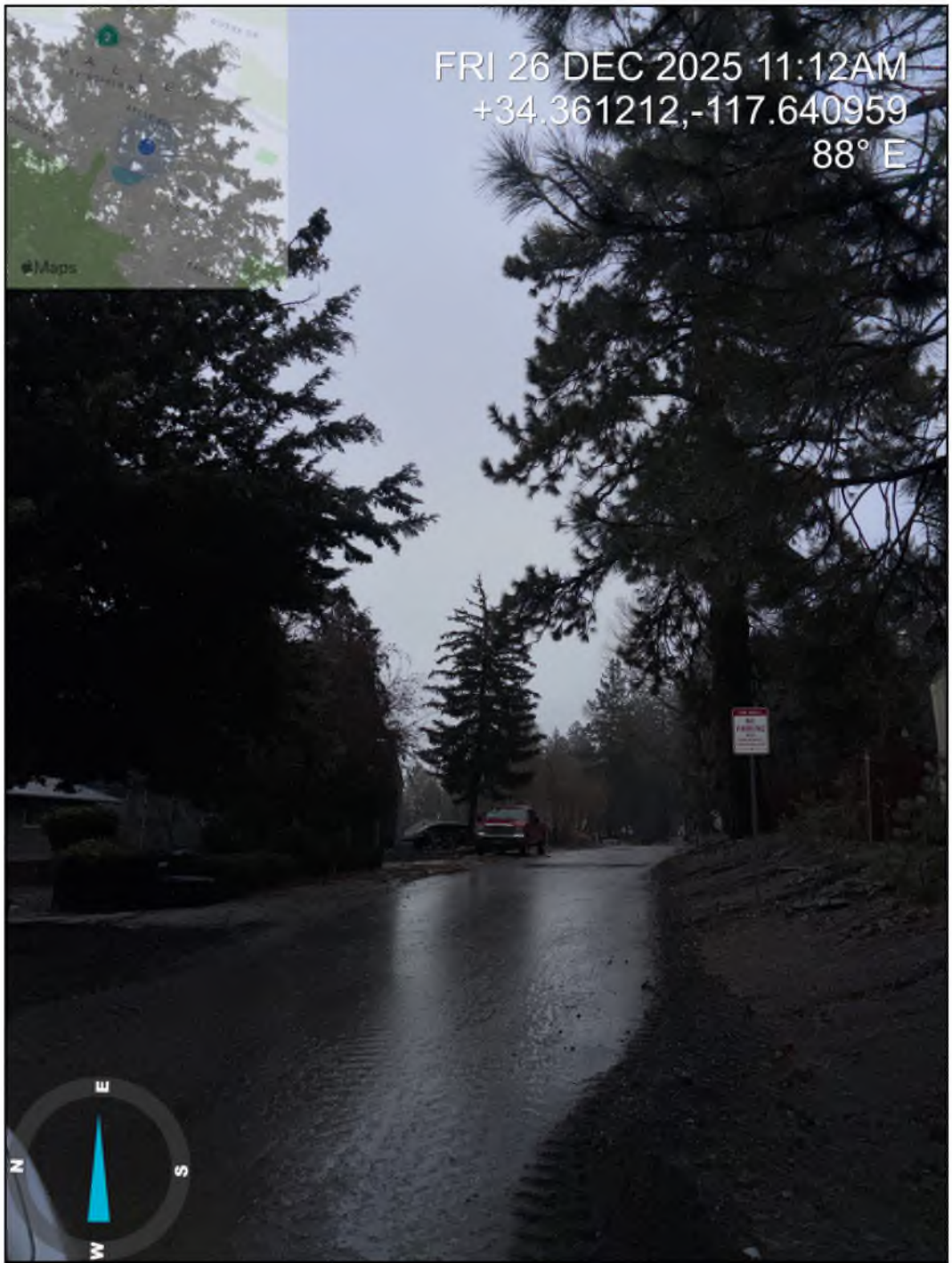
Appendix D
SB County Obs.

S07-312

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



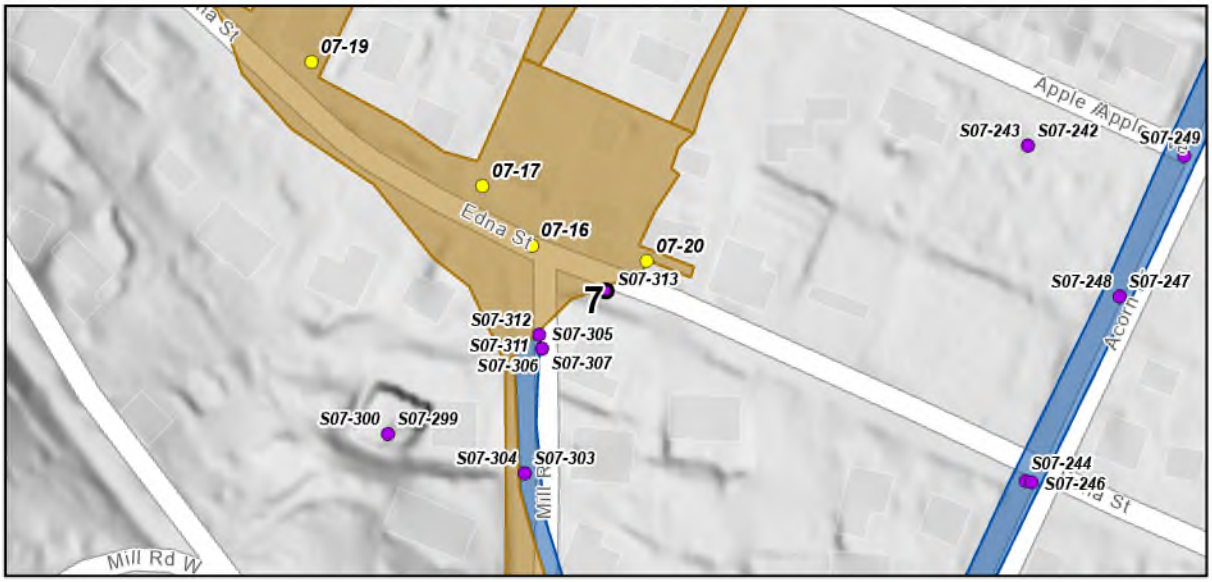


Appendix D
SB County Obs.

S07-313

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



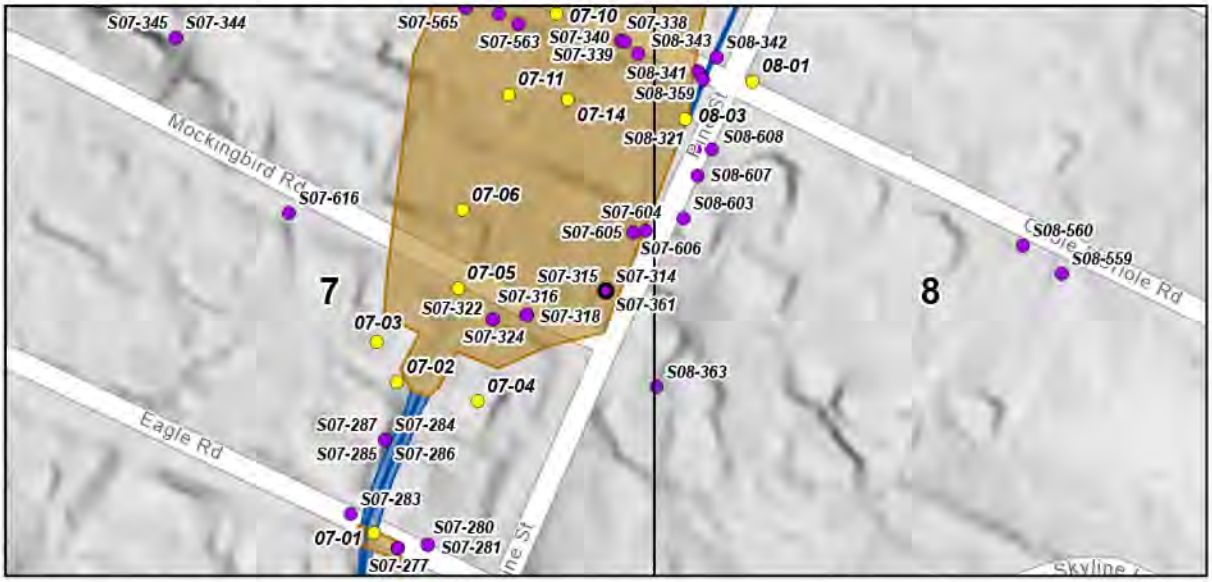


Appendix D
SB County Obs.

S07-314

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



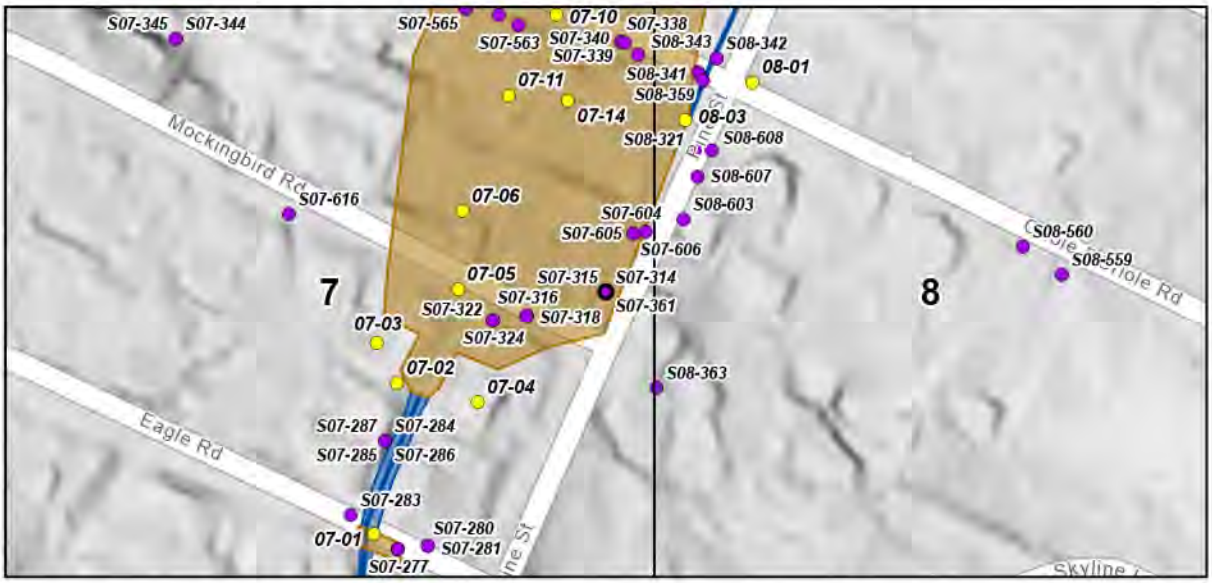


Appendix D
SB County Obs.

S07-315

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



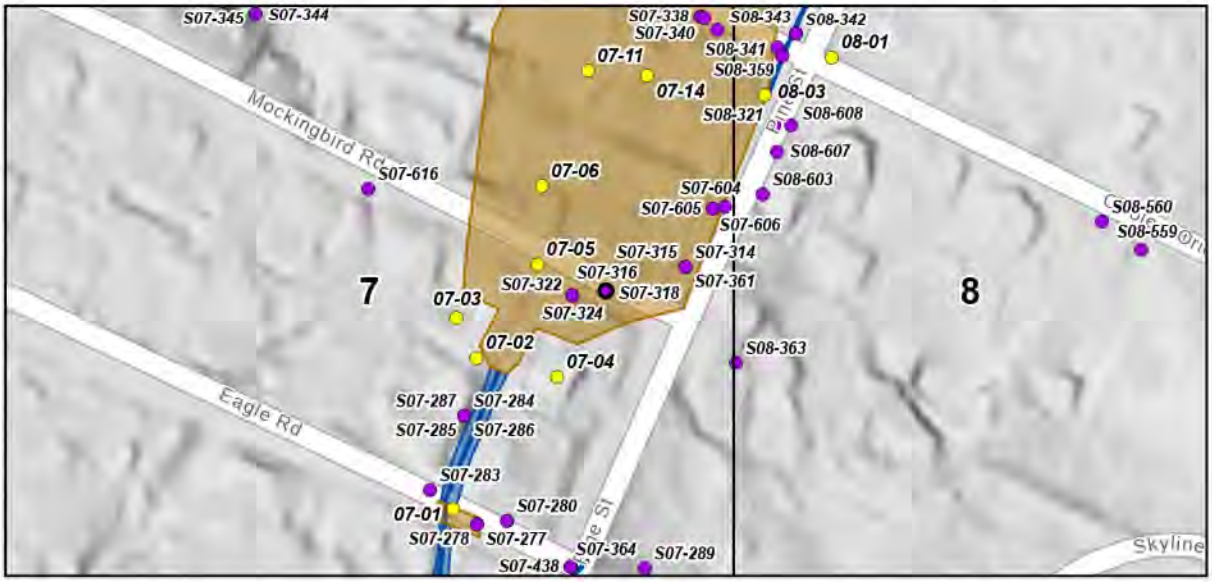


Appendix D
SB County Obs.

S07-316

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



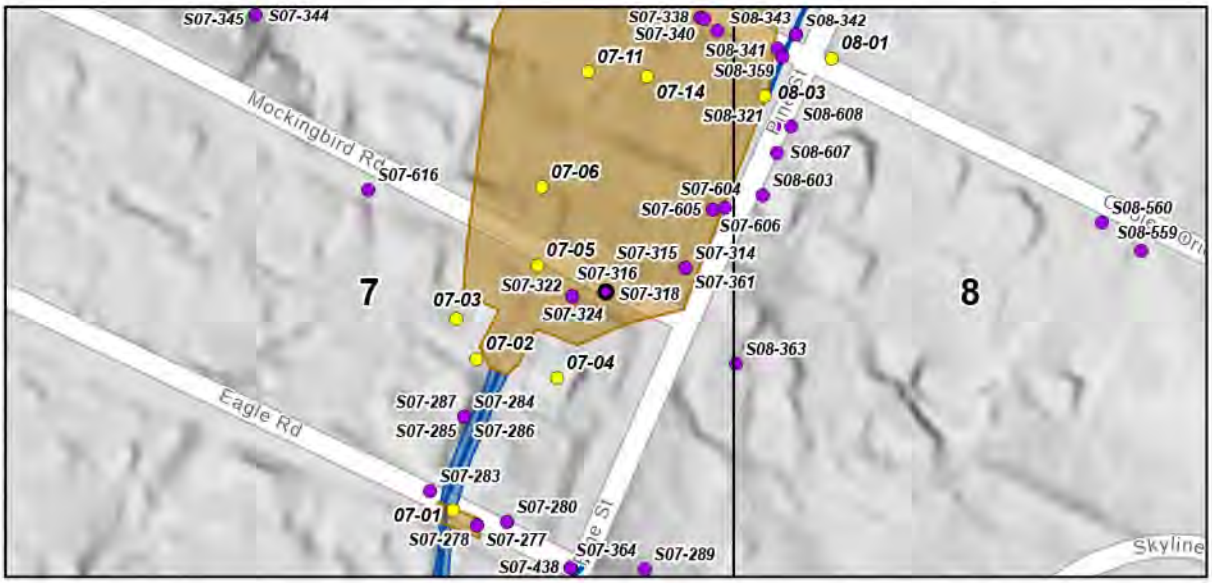


Appendix D
SB County Obs.

S07-317

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



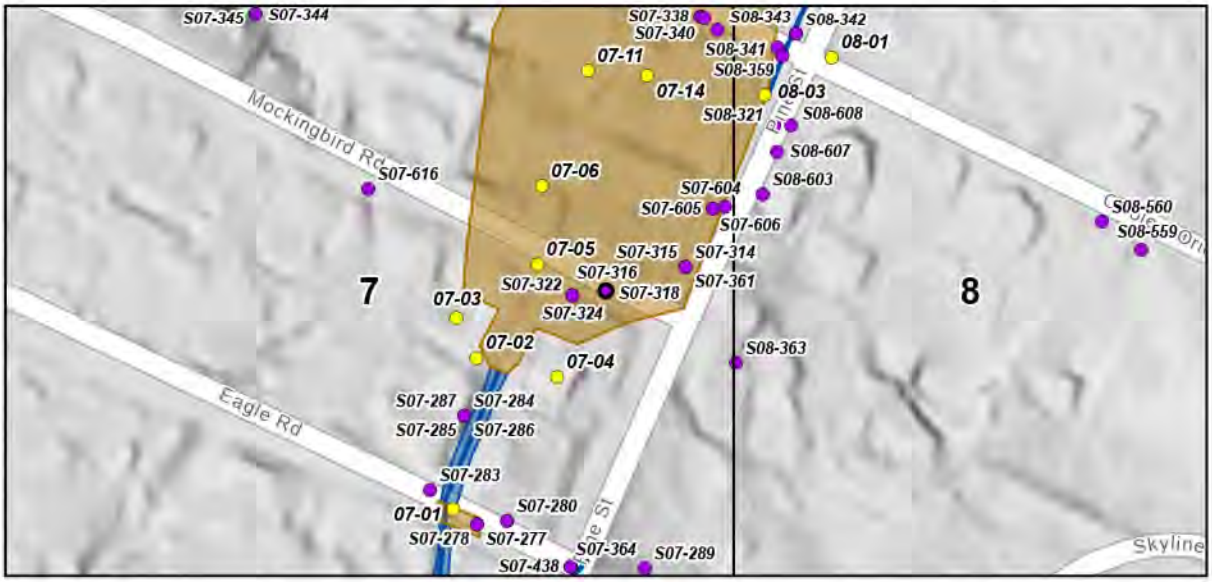


Appendix D
SB County Obs.

S07-318

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



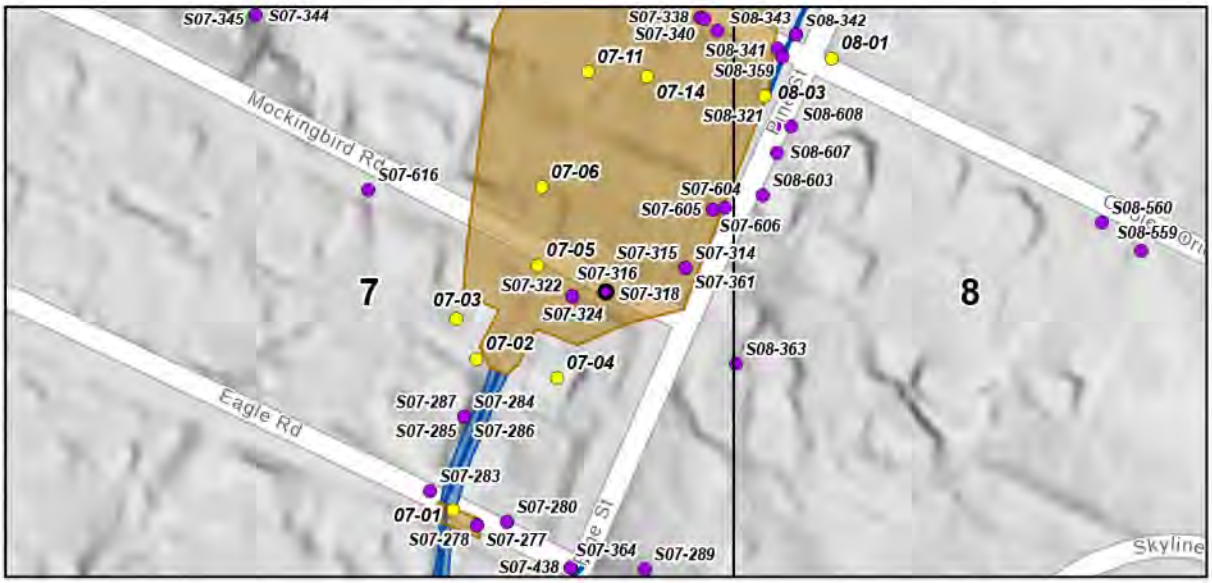


Appendix D
SB County Obs.

S07-319

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



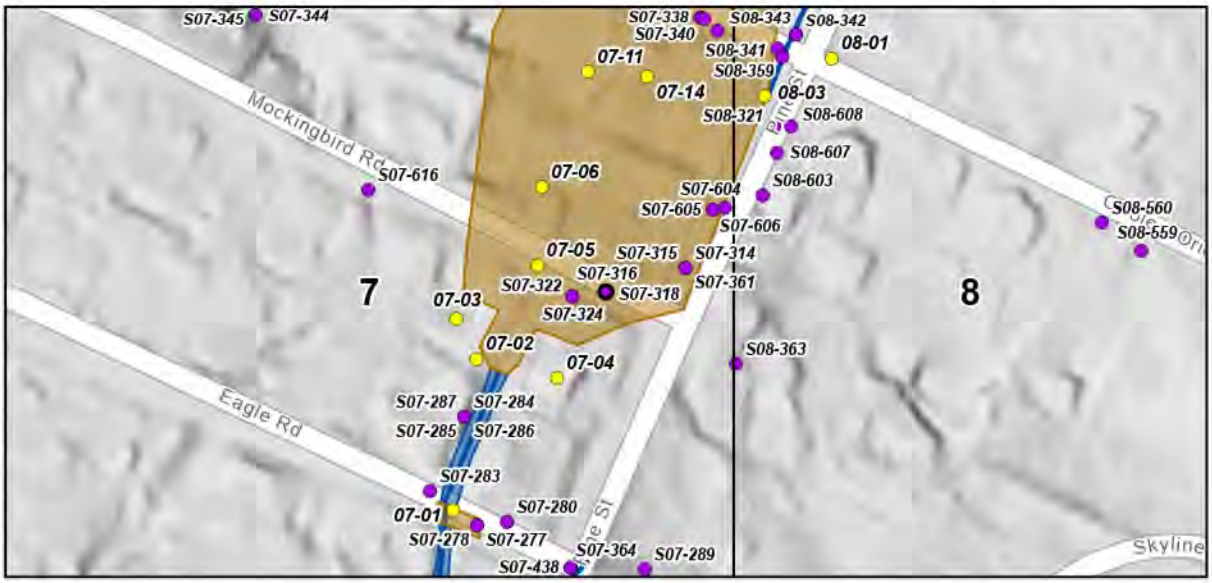


Appendix D
SB County Obs.

S07-320

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



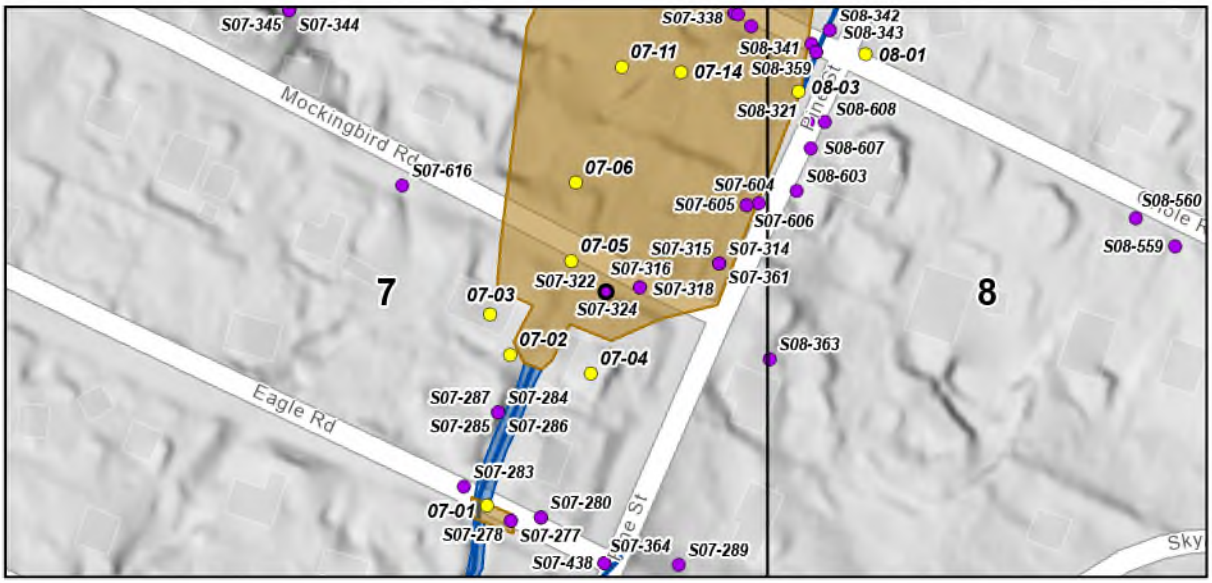


Appendix D
SB County Obs.

S07-322

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



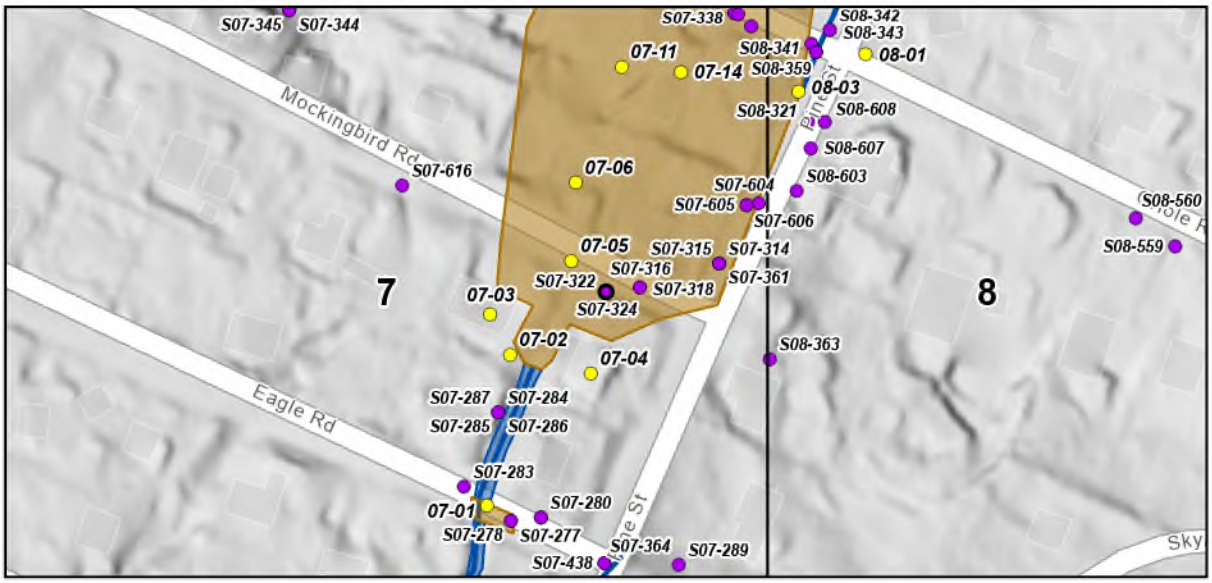


Appendix D
SB County Obs.

S07-323

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



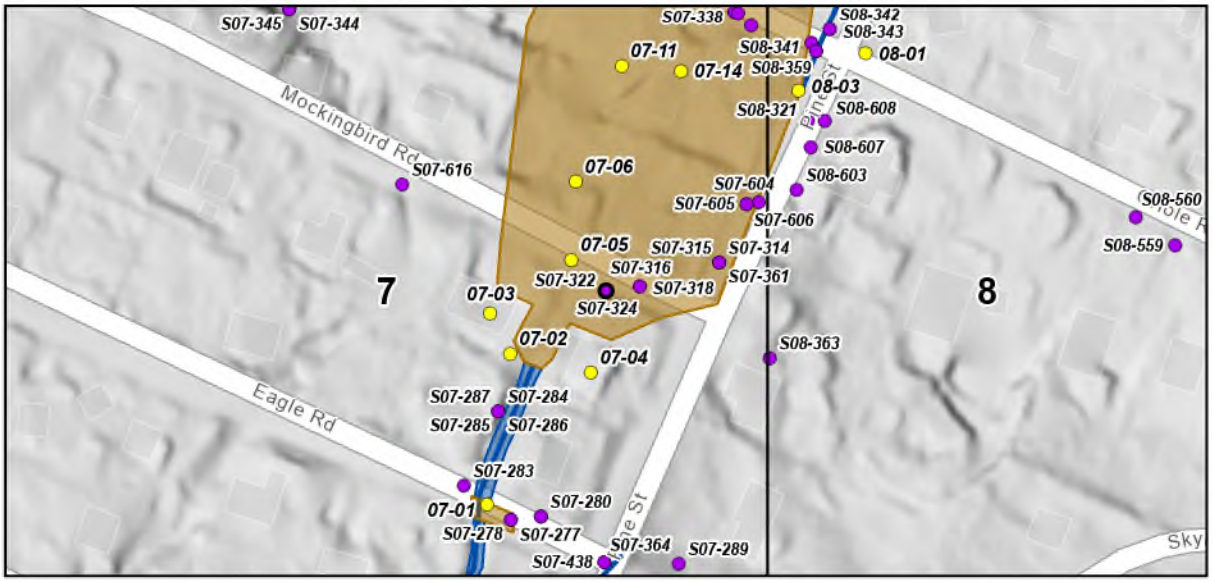


Appendix D
SB County Obs.

S07-324

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



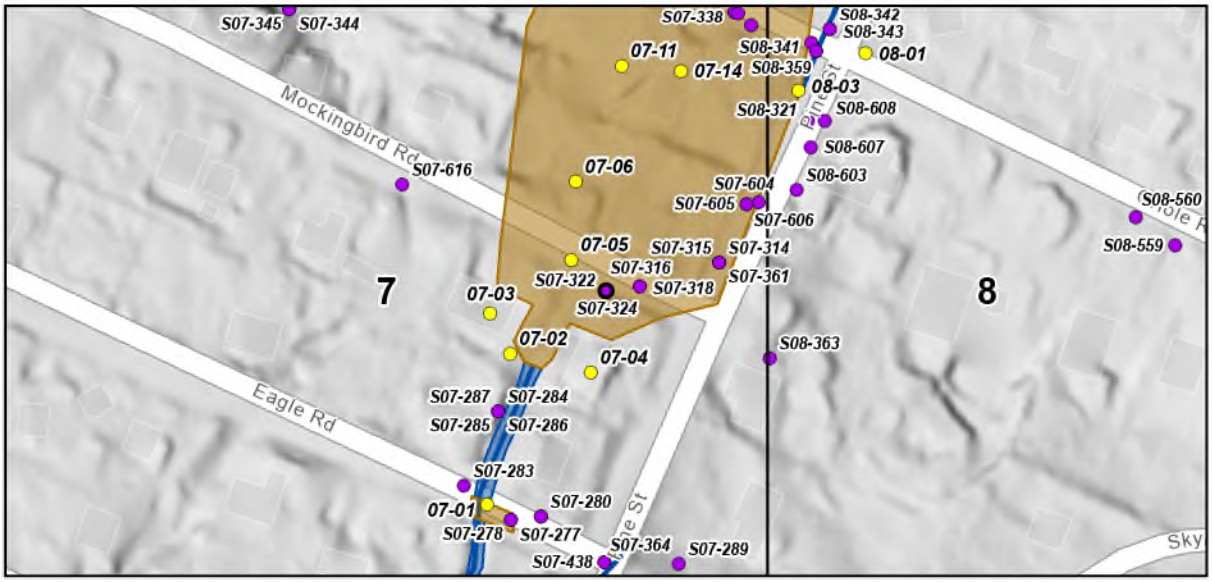


Appendix D
SB County Obs.

S07-325

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



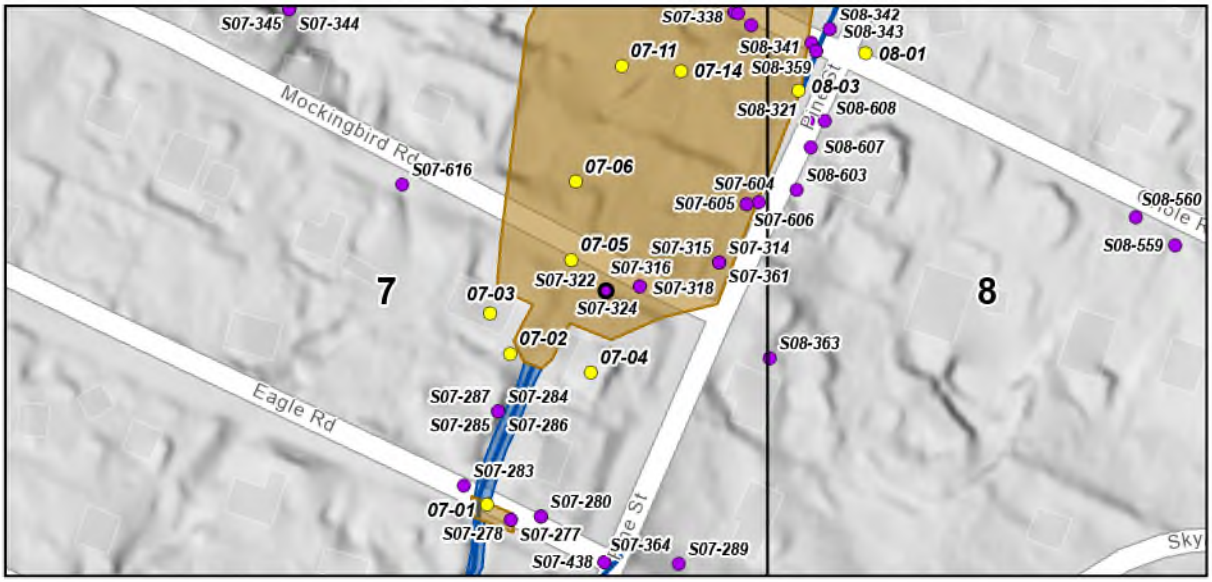


Appendix D
SB County Obs.

S07-326

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-327

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





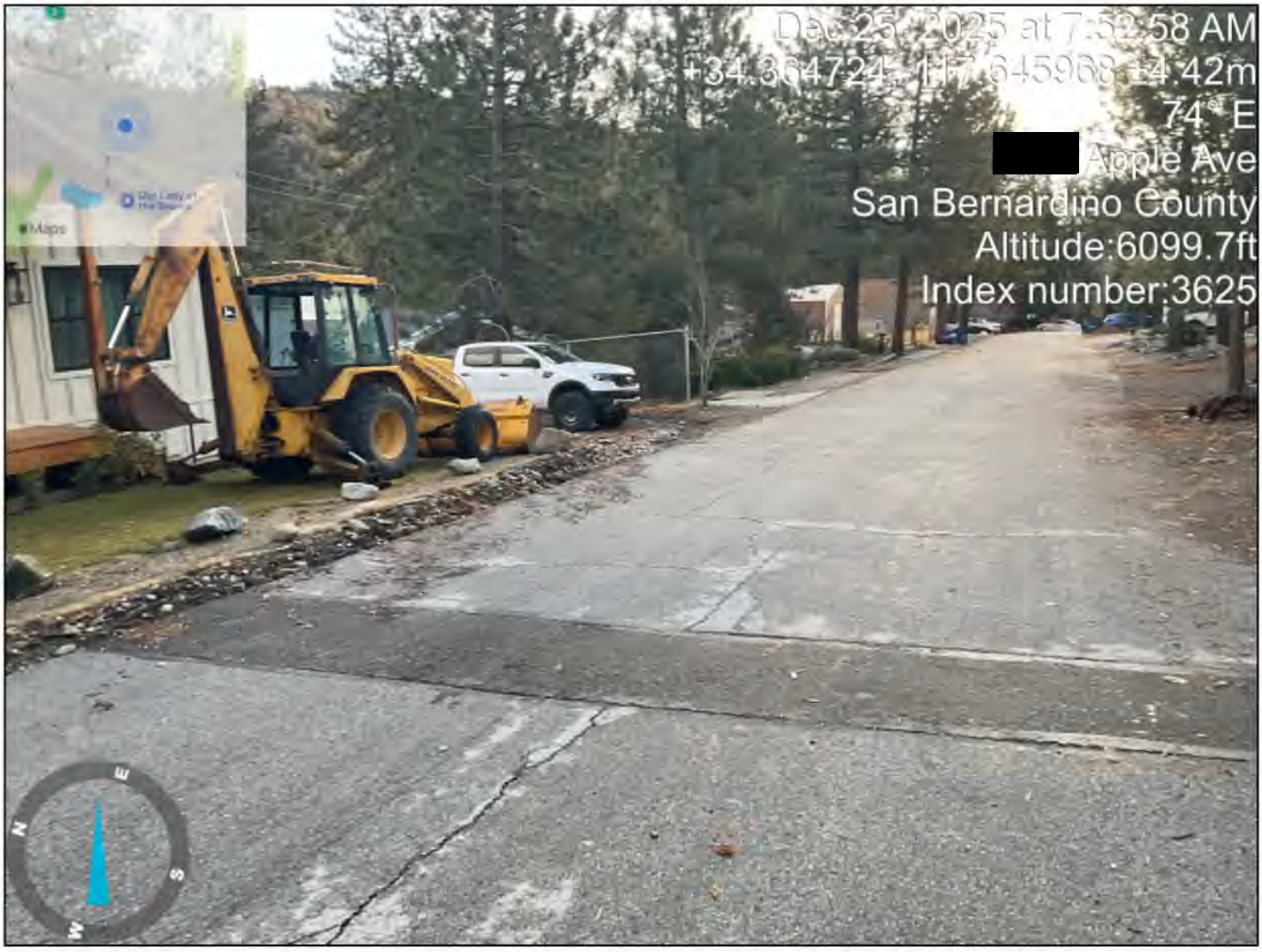
Appendix D
SB County Obs.

S07-328

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



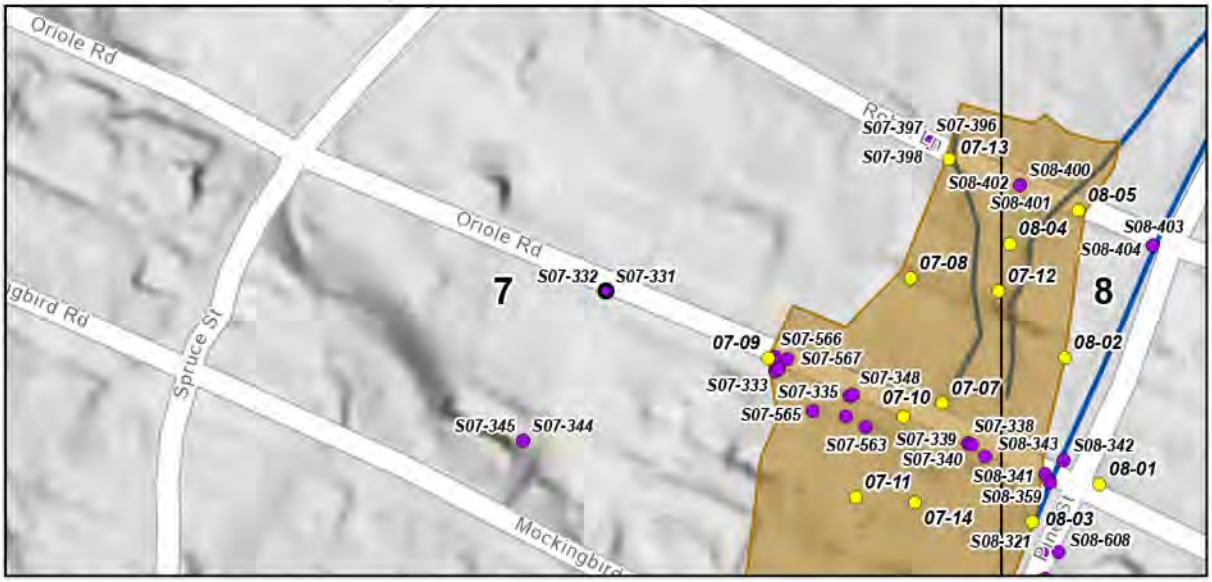


Appendix D
SB County Obs.

S07-331

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



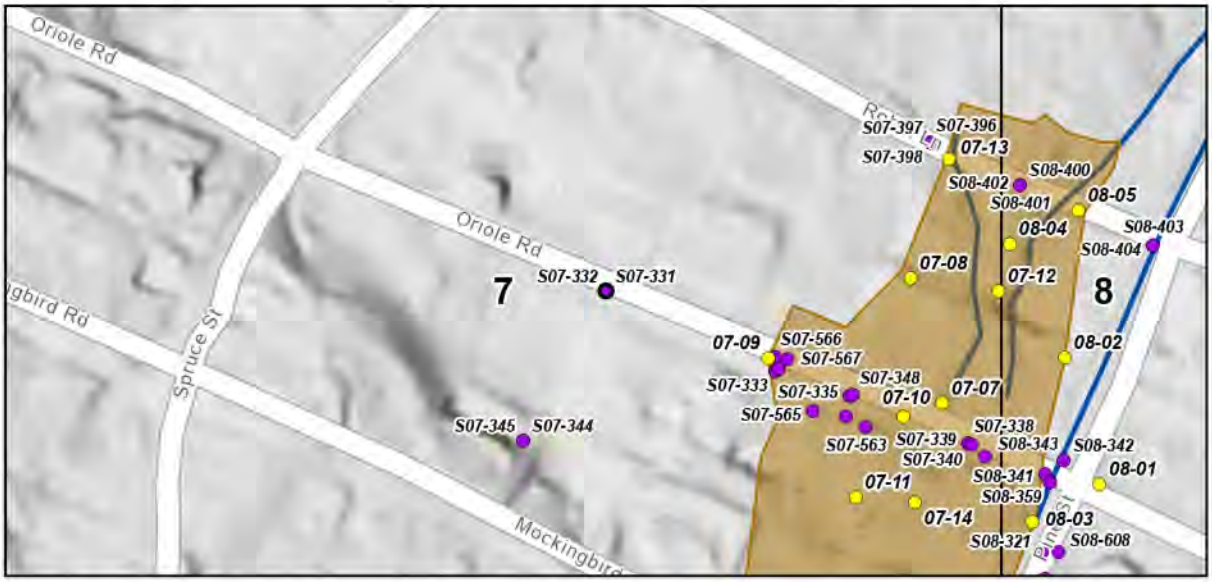


Appendix D
SB County Obs.

S07-332

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



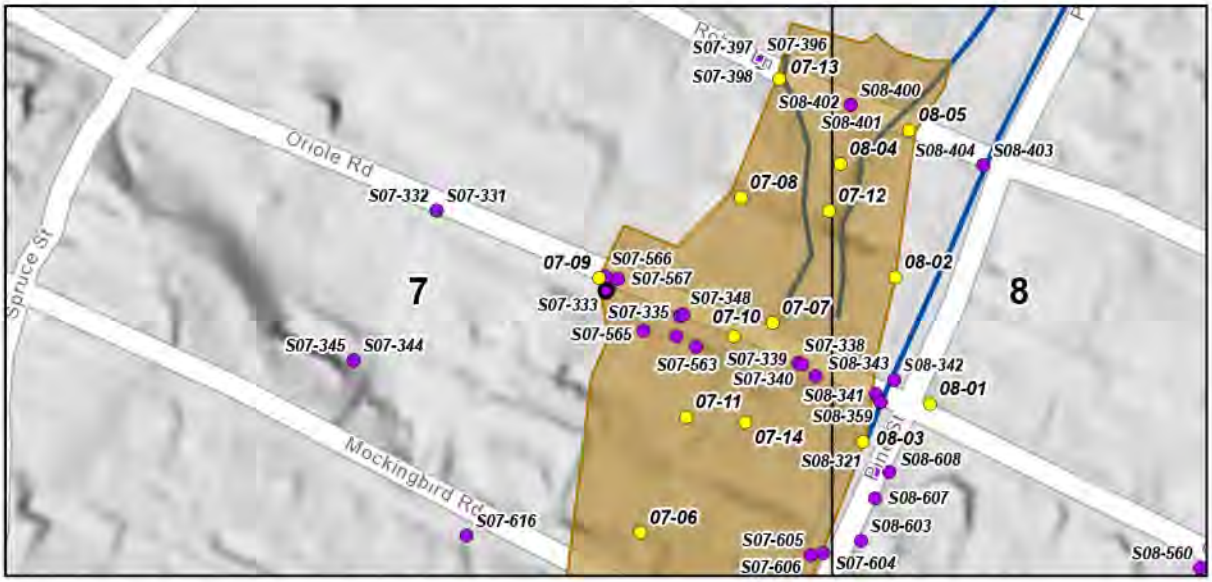


Appendix D
SB County Obs.

S07-333

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

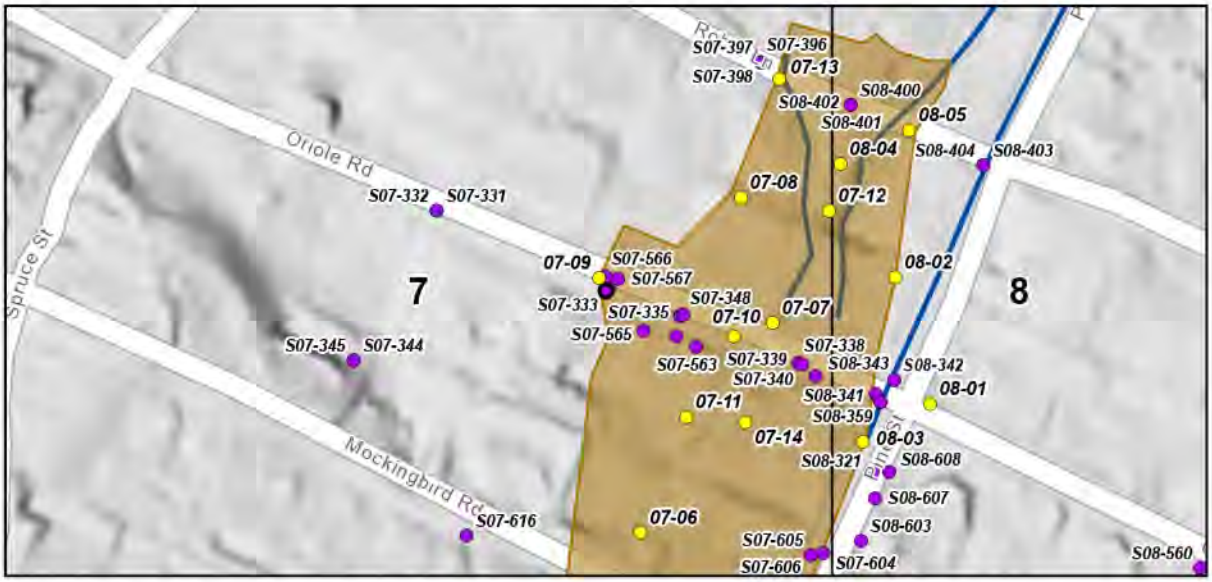
0 — 50 m





Appendix D
SB County Obs.

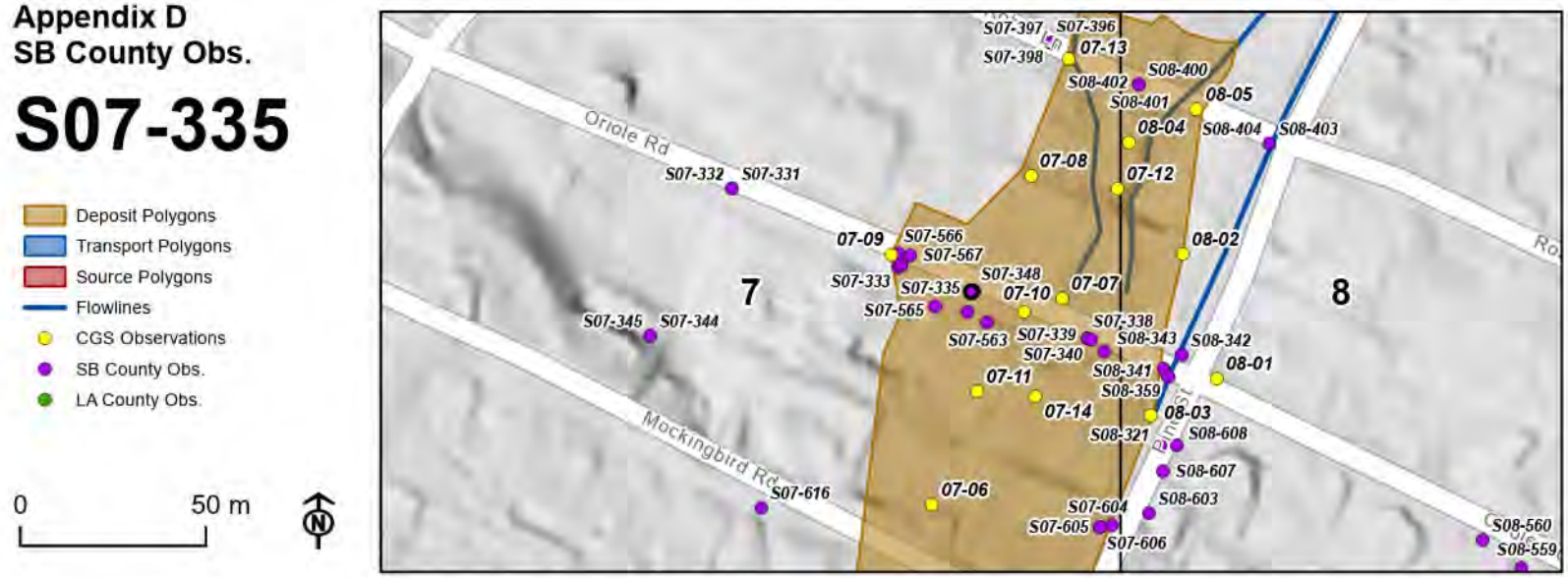
S07-334





Appendix D
SB County Obs.

S07-335

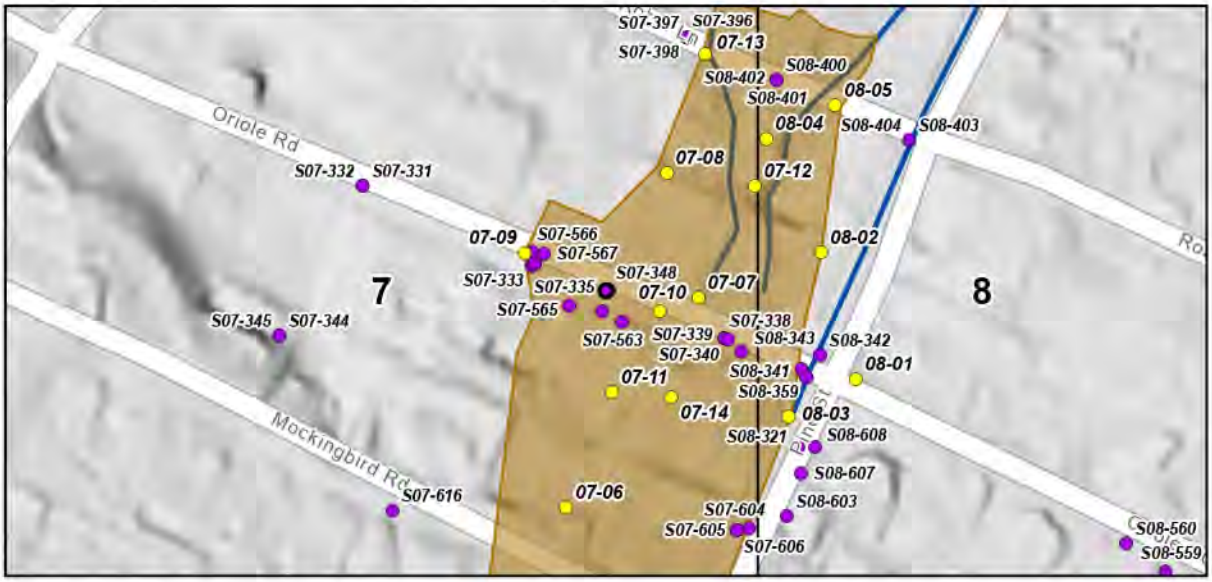




Appendix D
SB County Obs.

S07-336





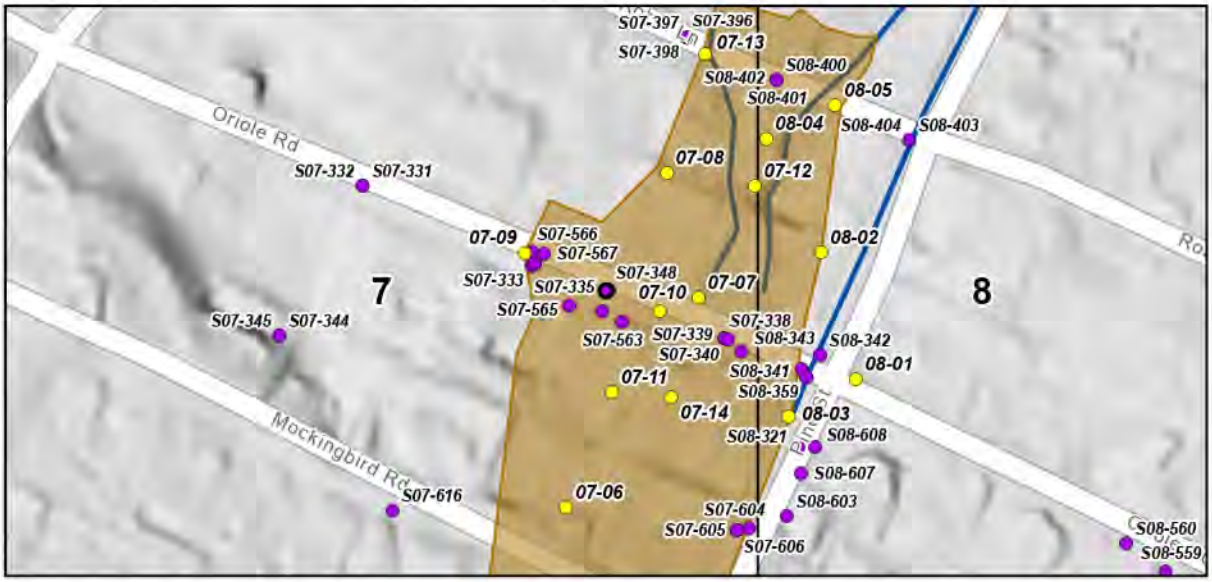


Appendix D
SB County Obs.

S07-337

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

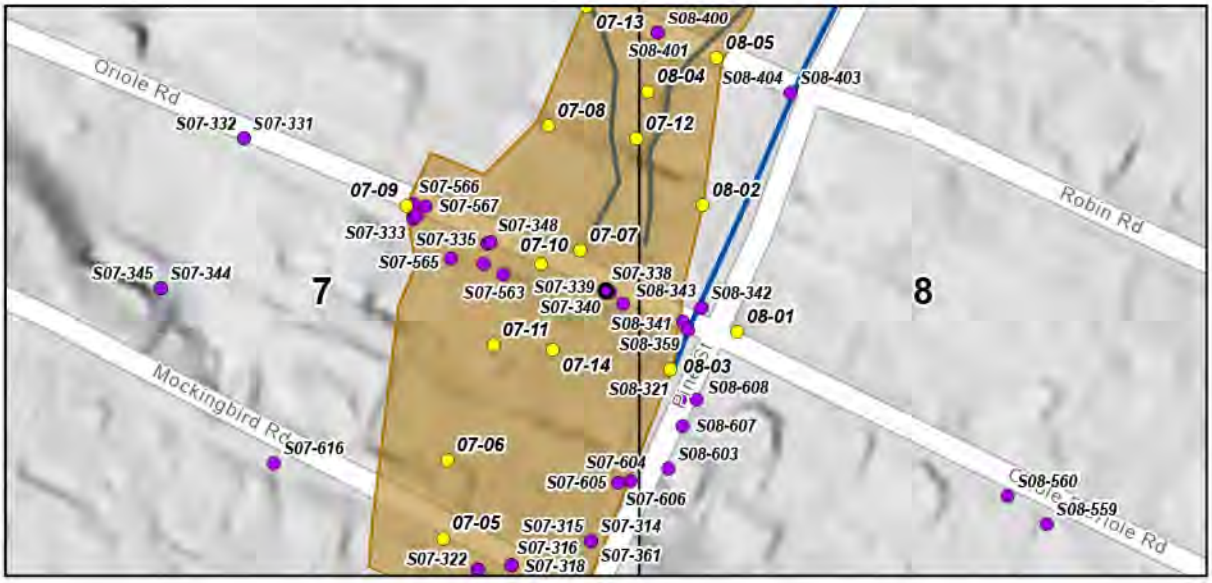
0 50 m





Appendix D
SB County Obs.

S07-338



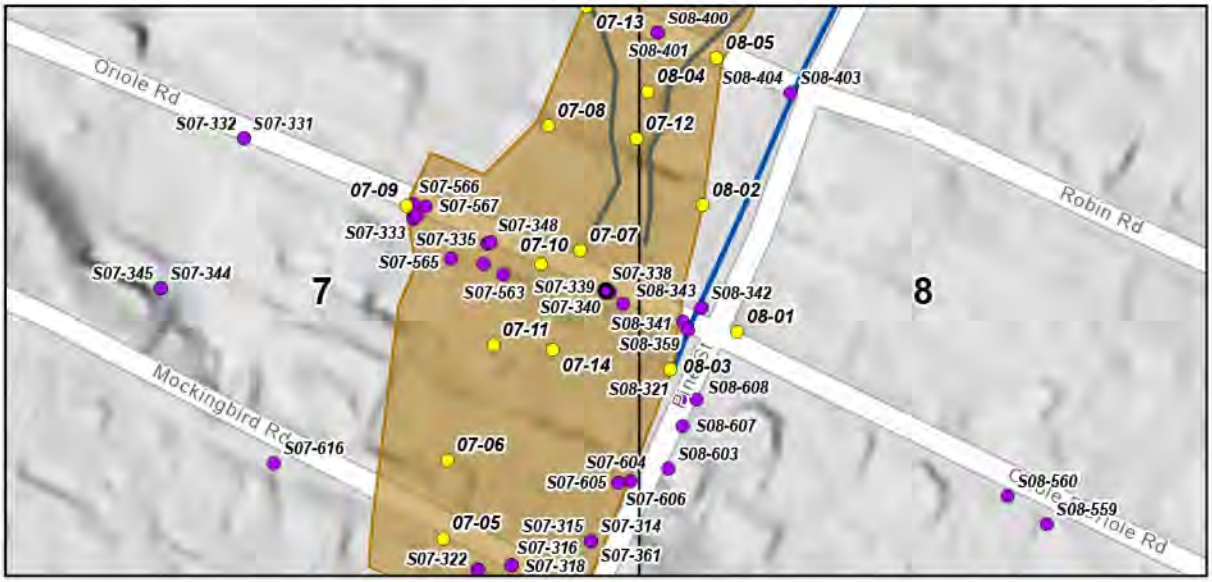


Appendix D
SB County Obs.

S07-339

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



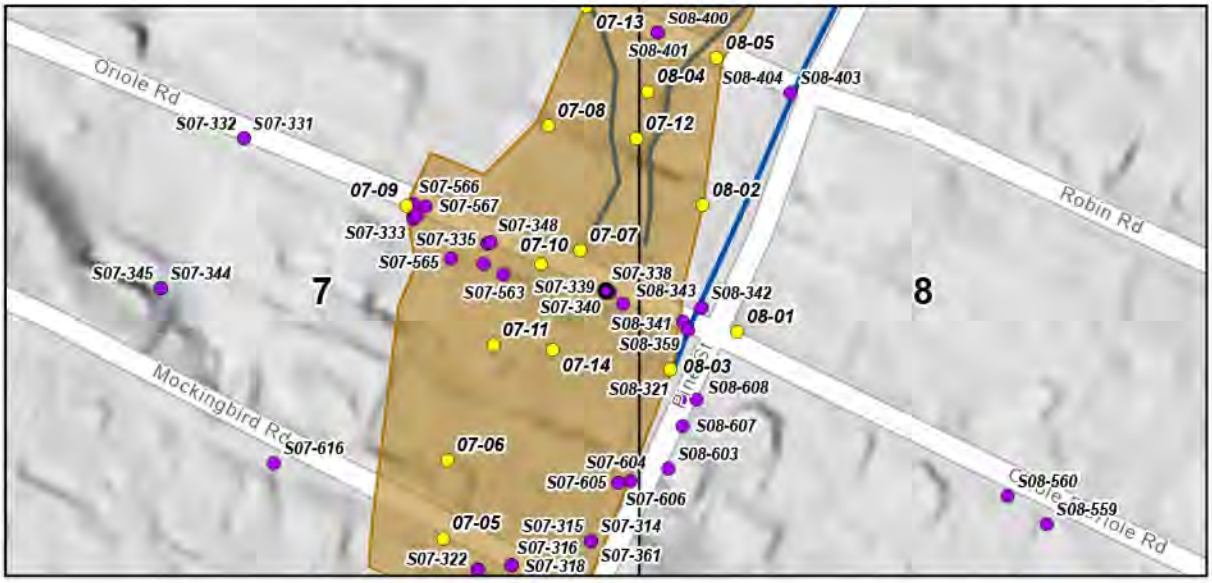


Appendix D
SB County Obs.

S07-340

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-344





Appendix D
SB County Obs.

S07-345

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



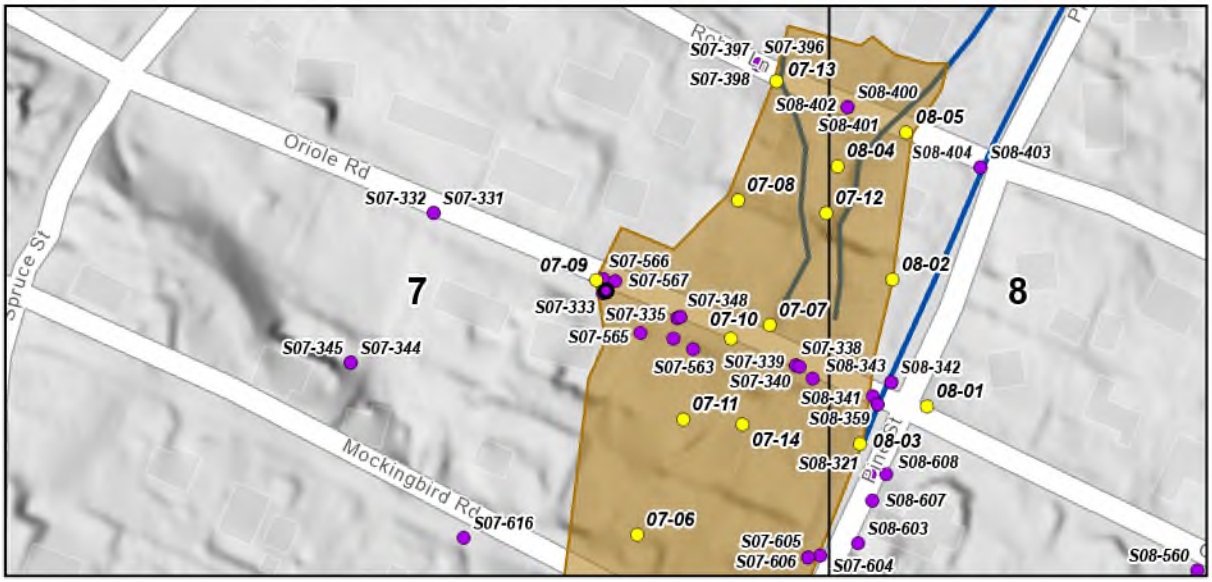


Appendix D
SB County Obs.

S07-346

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



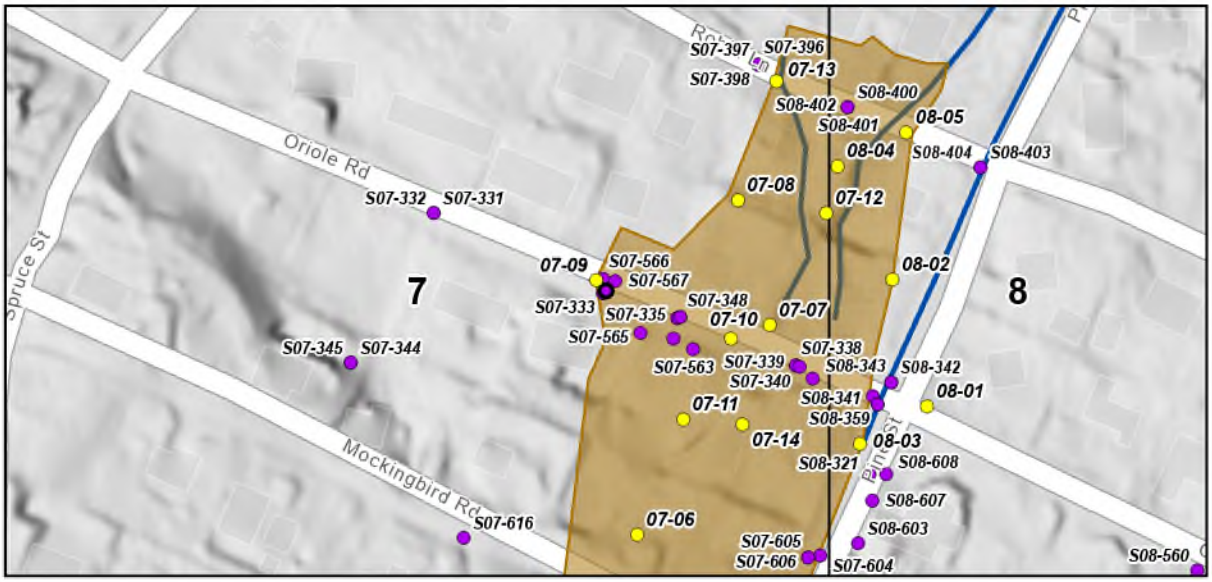


Appendix D
SB County Obs.

S07-347

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 — 50 m



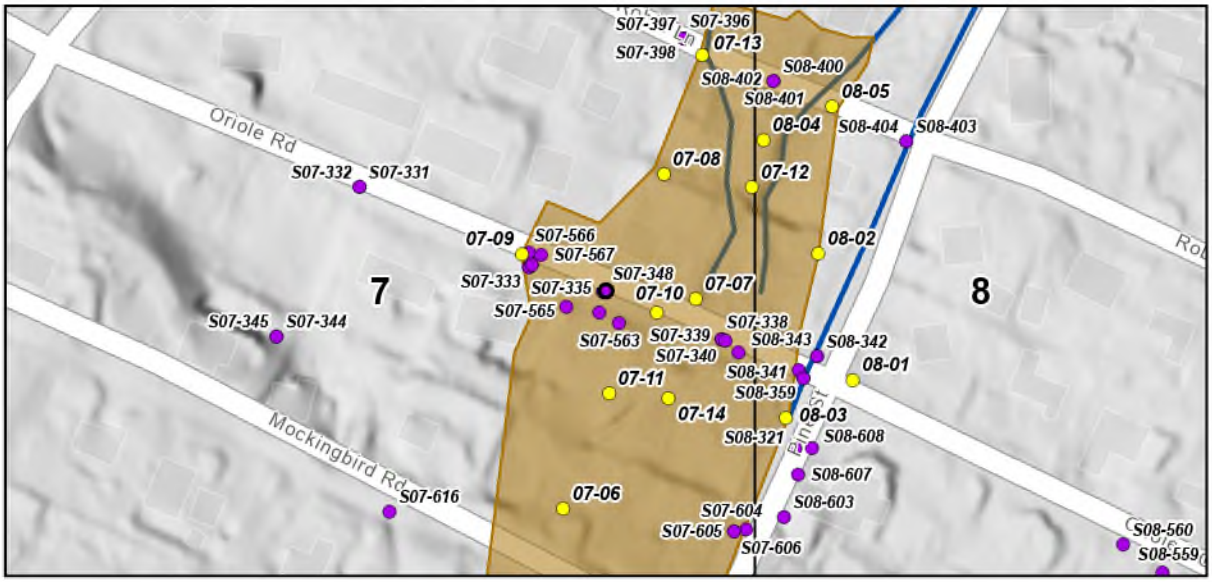


Appendix D
SB County Obs.

S07-348

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



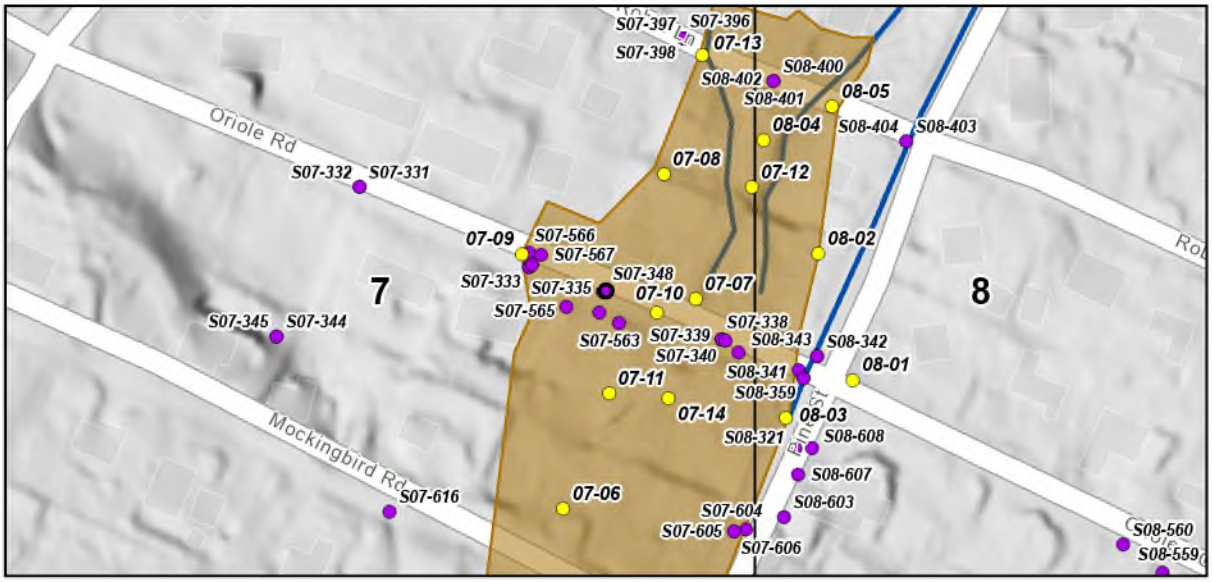


Appendix D
SB County Obs.

S07-349

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



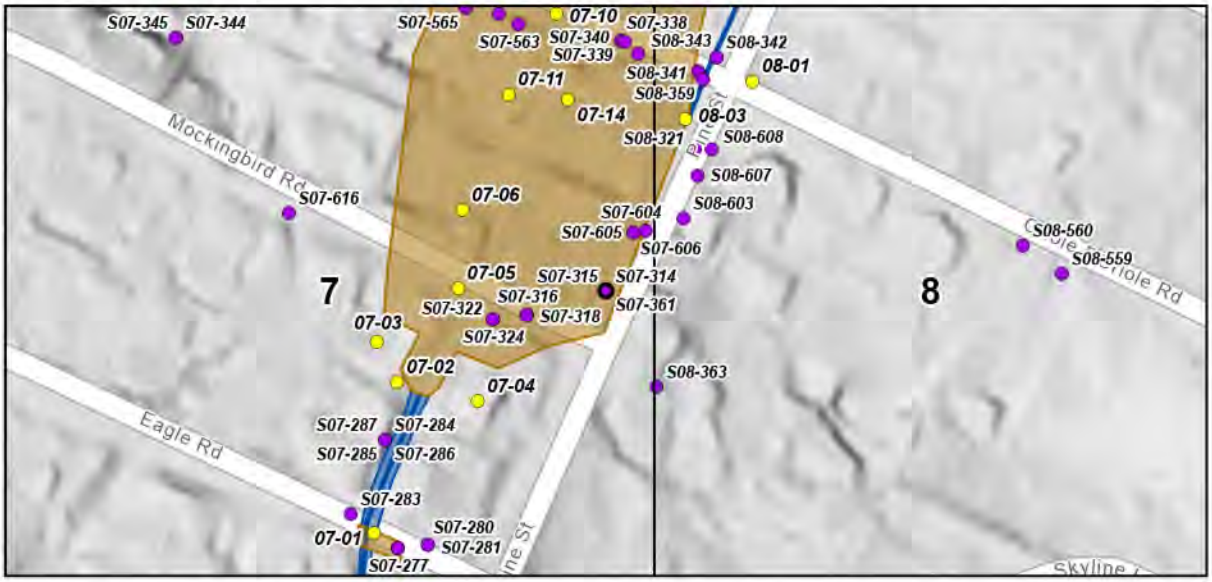


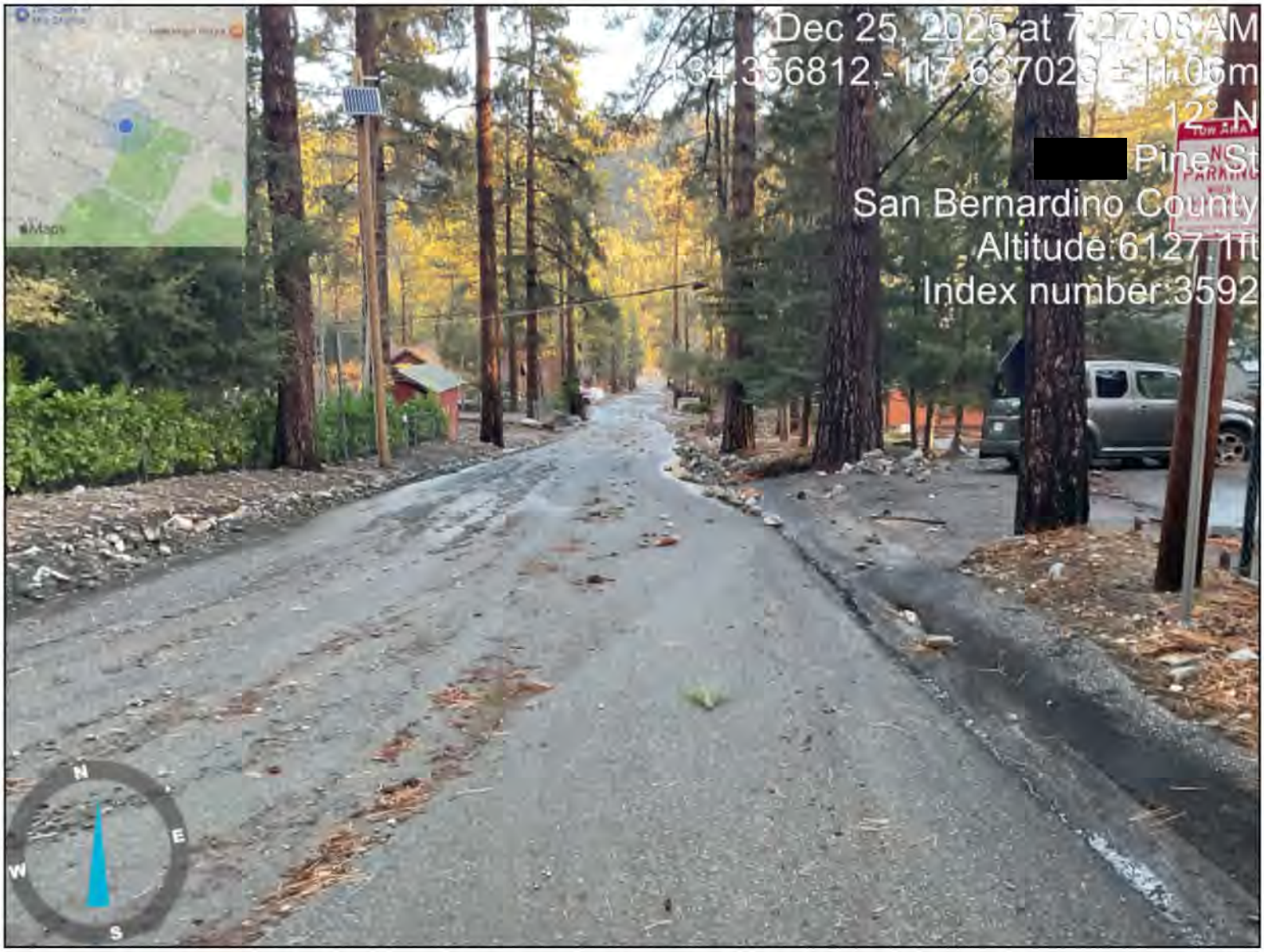
Appendix D
SB County Obs.

S07-361

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



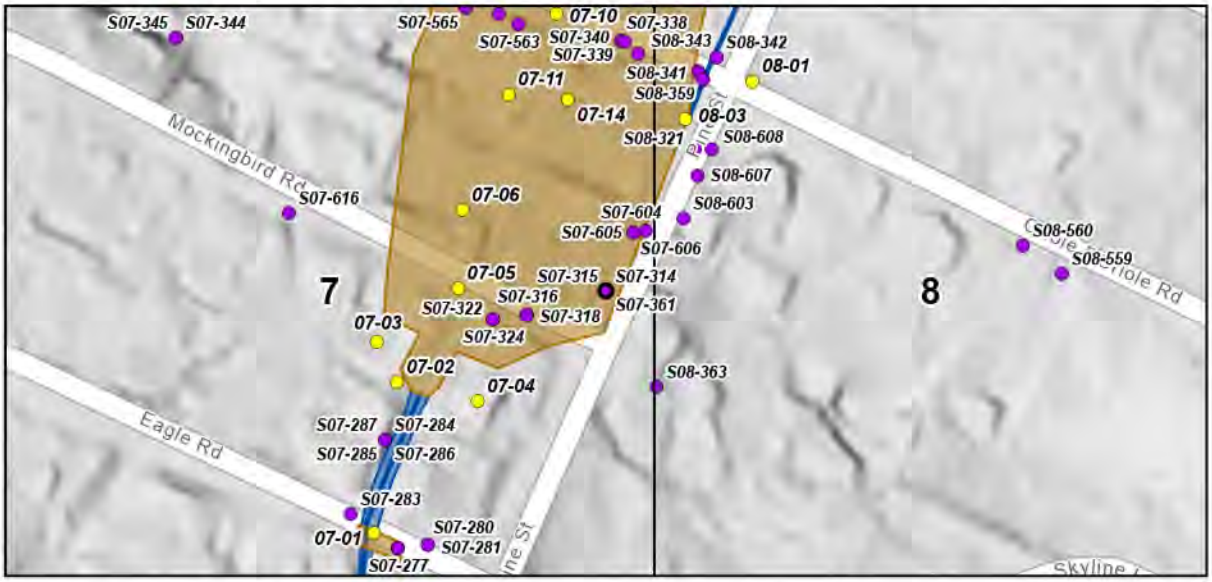


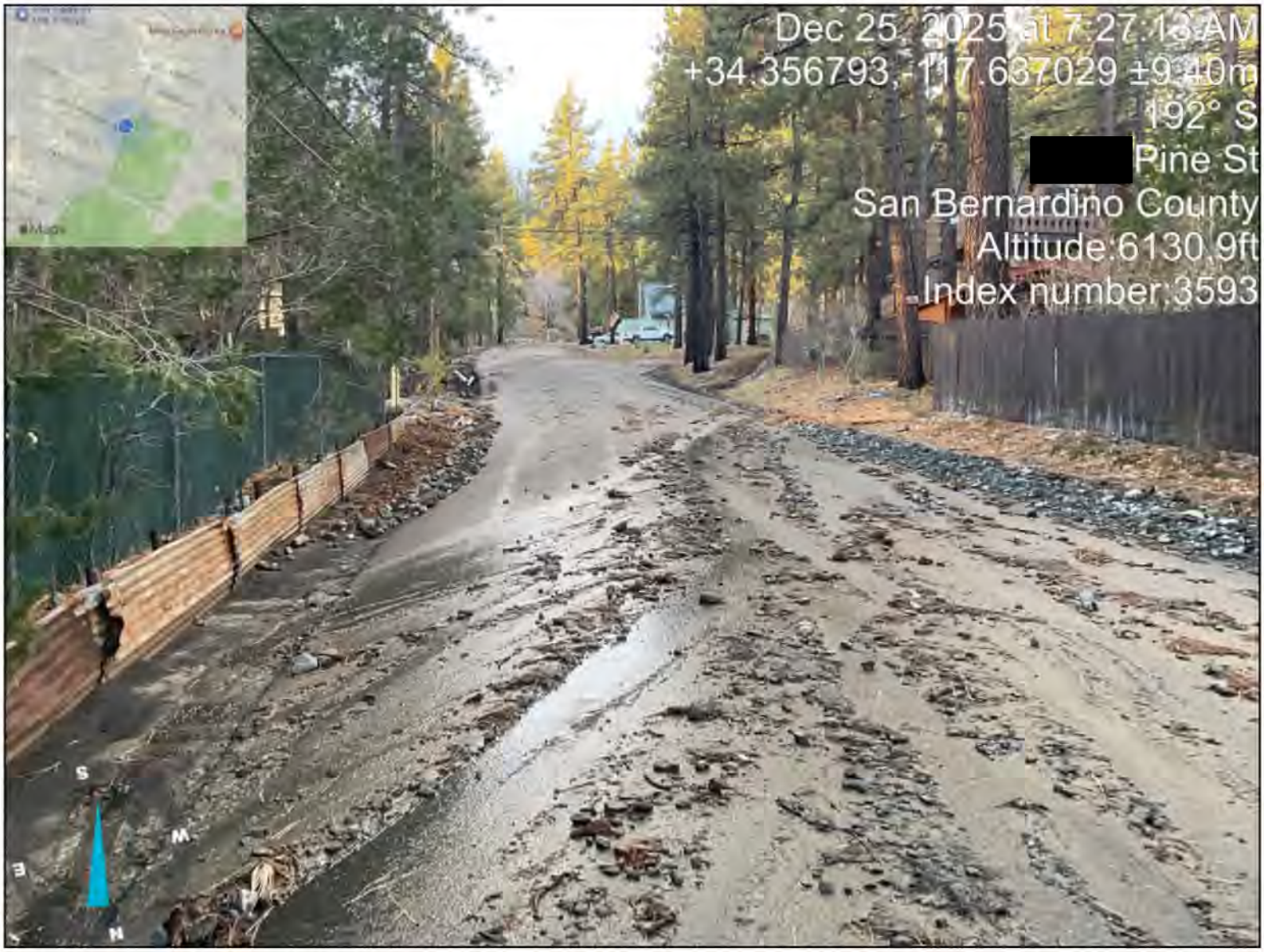
Appendix D
SB County Obs.

S07-362

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



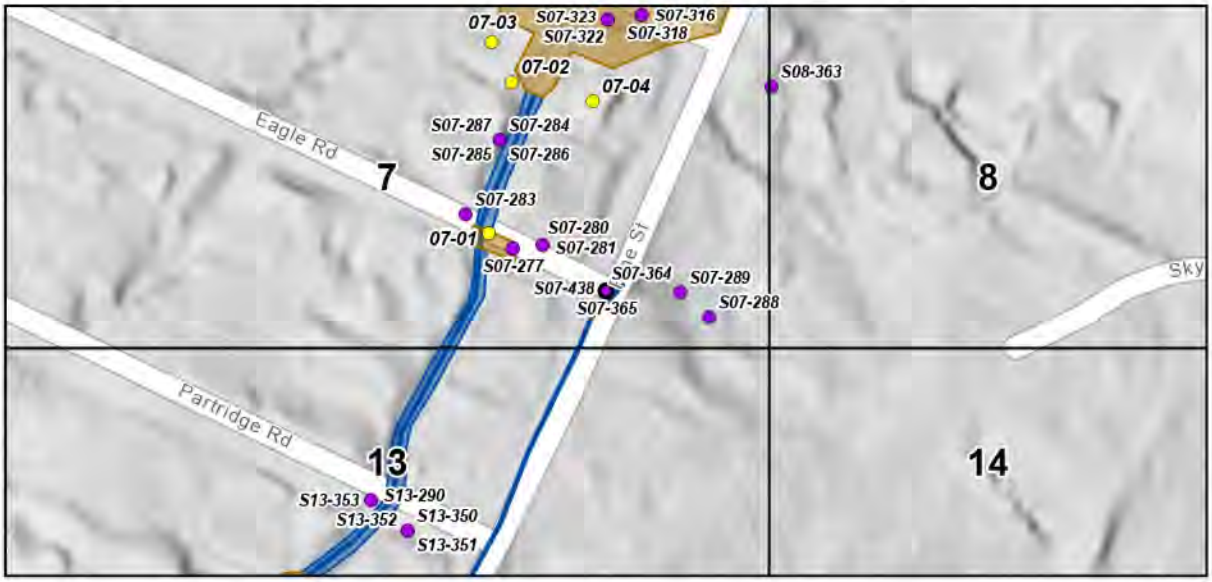


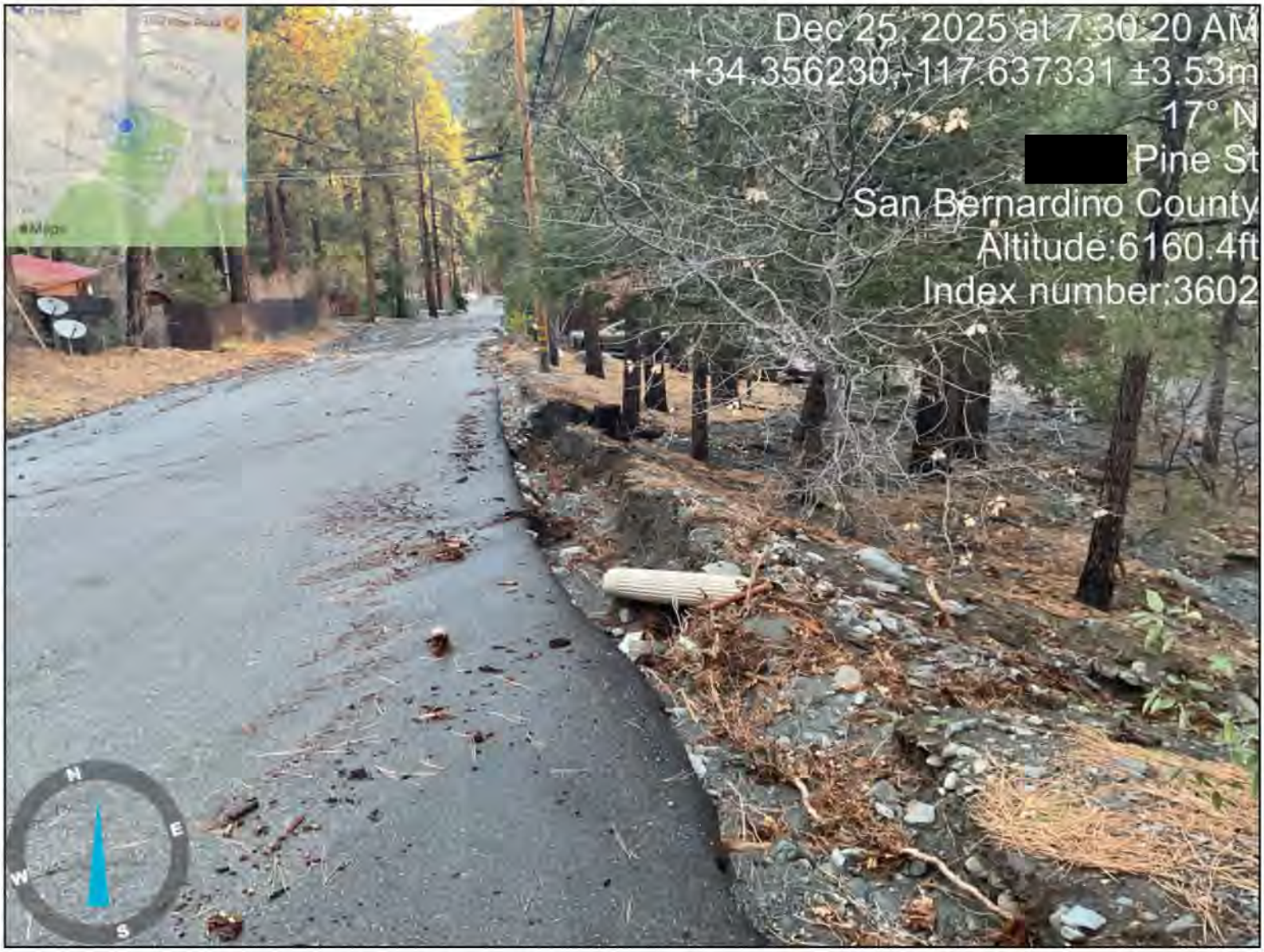
Appendix D
SB County Obs.

S07-364

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



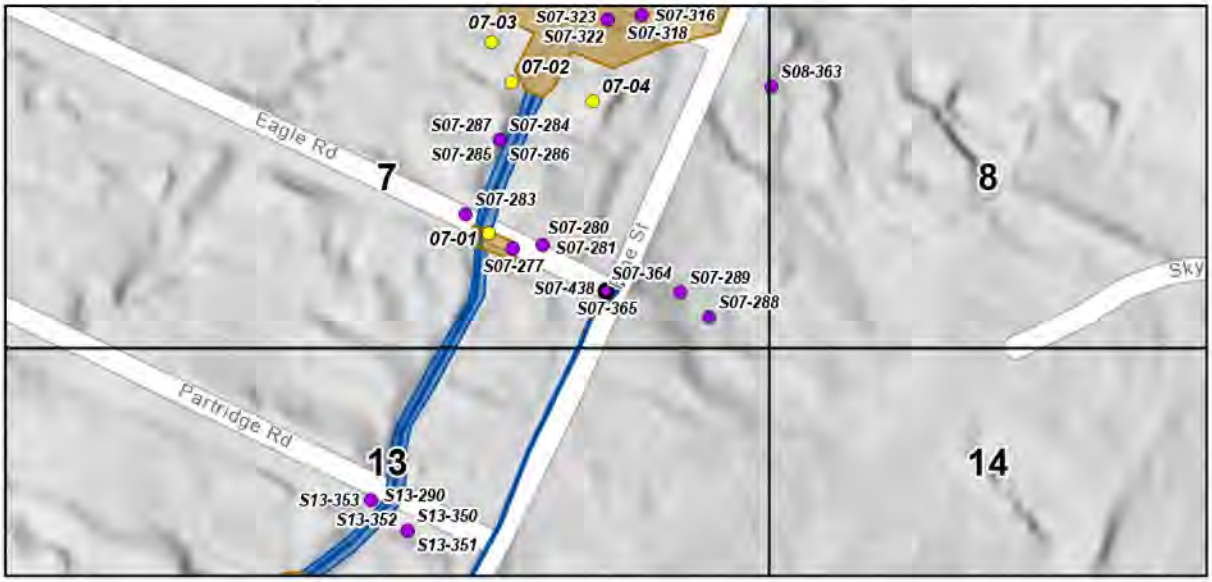


Appendix D
SB County Obs.

S07-365

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



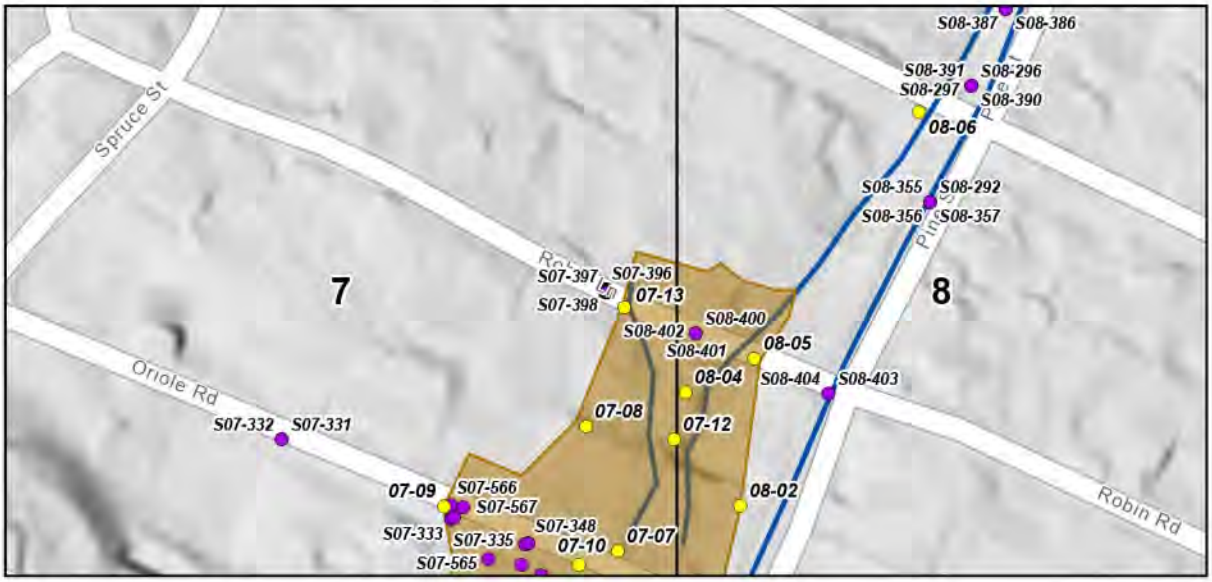


Appendix D
SB County Obs.

S07-396

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



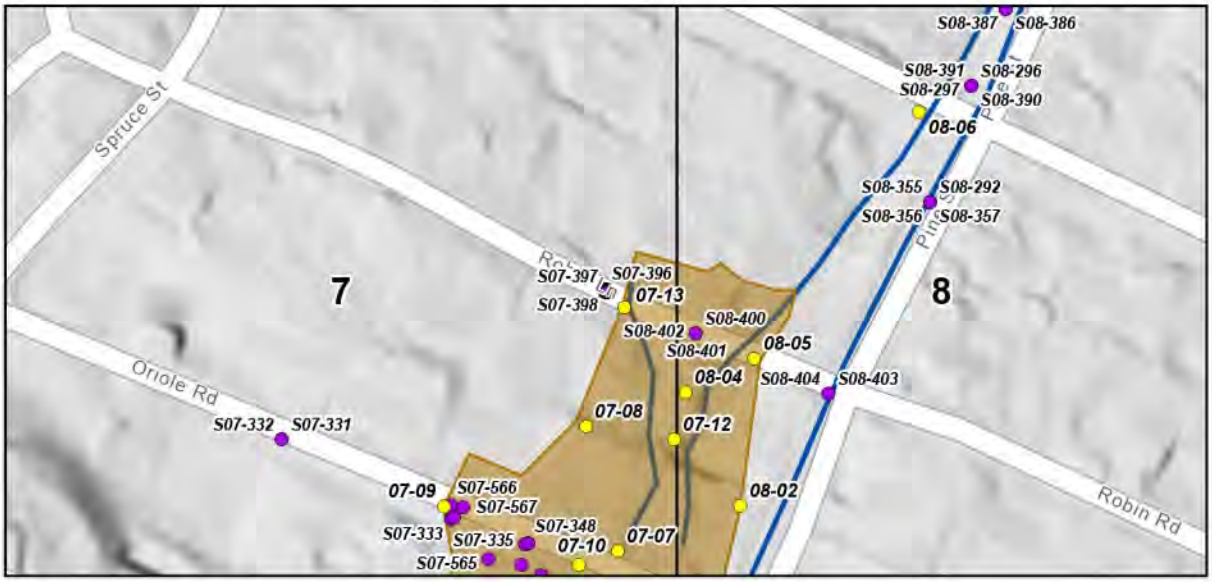


Appendix D
SB County Obs.

S07-397

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



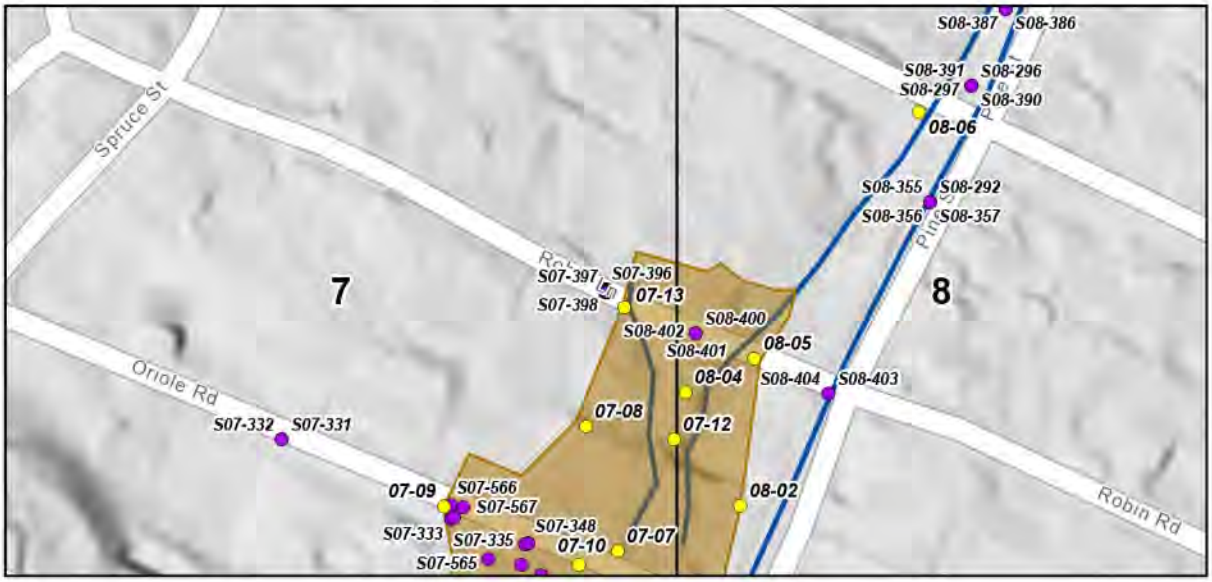


Appendix D
SB County Obs.

S07-398

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



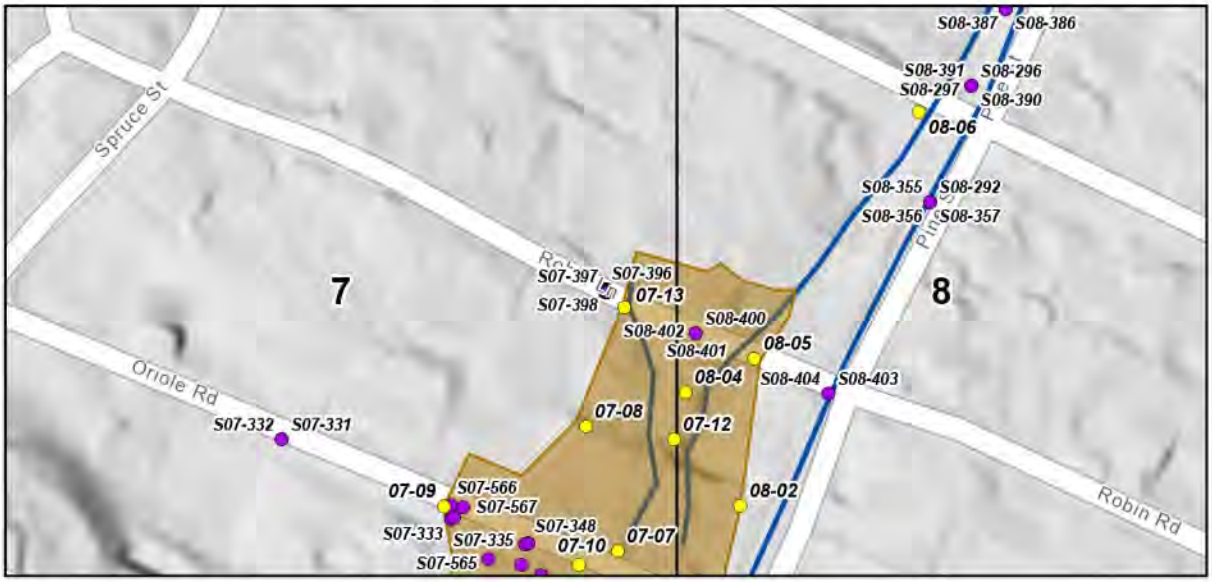


Appendix D
SB County Obs.

S07-399

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

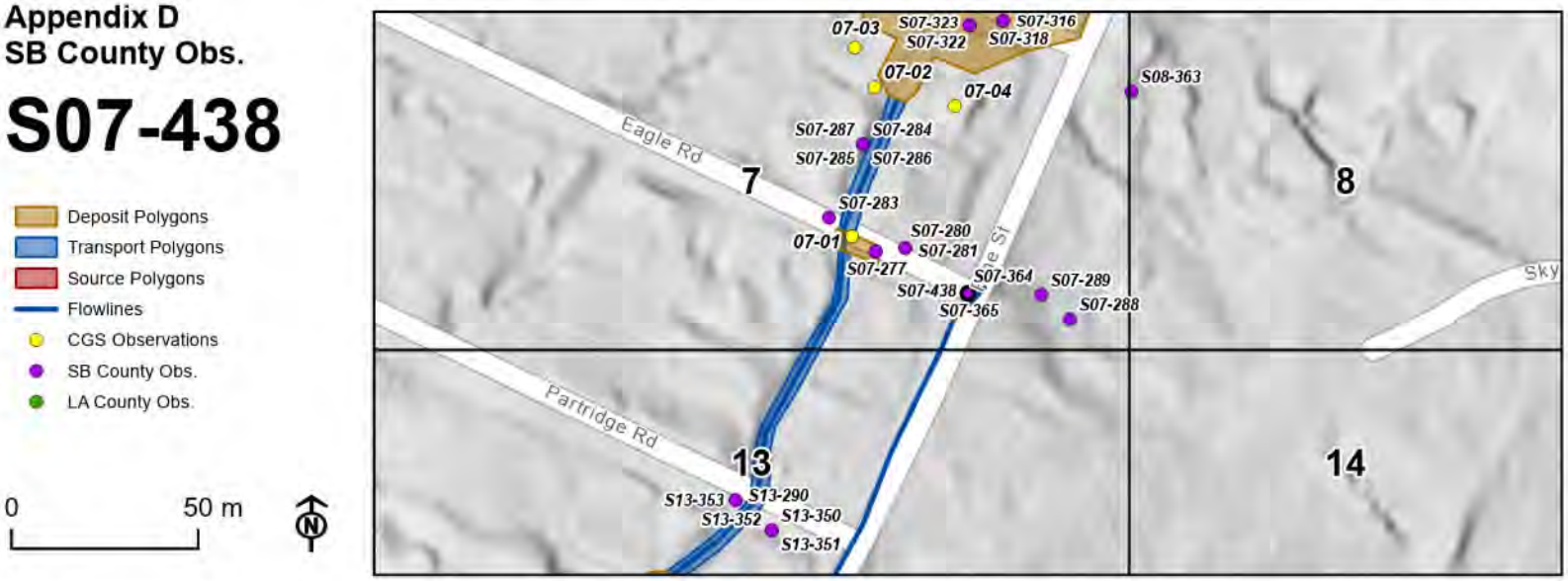
0 50 m

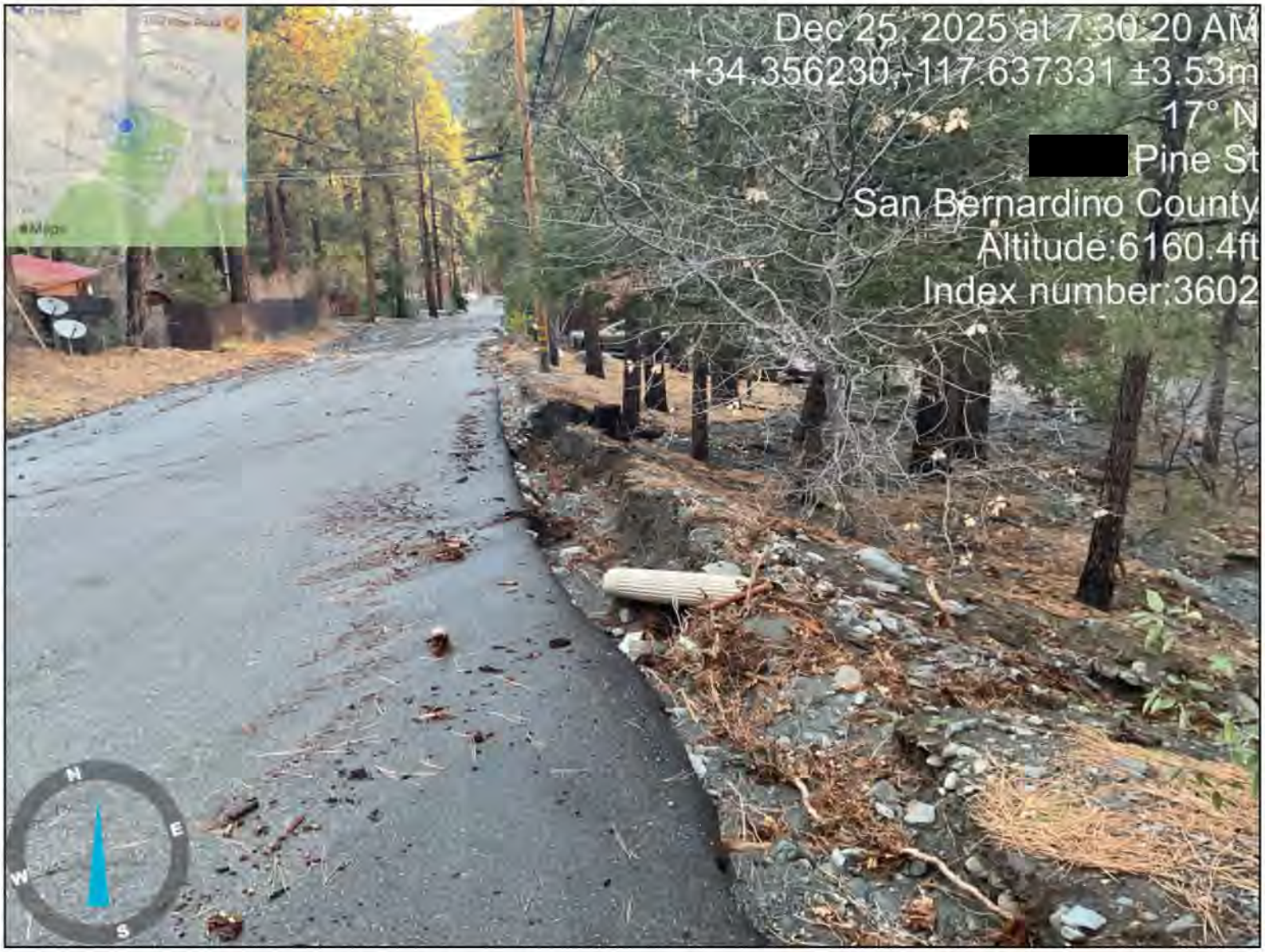




Appendix D
SB County Obs.

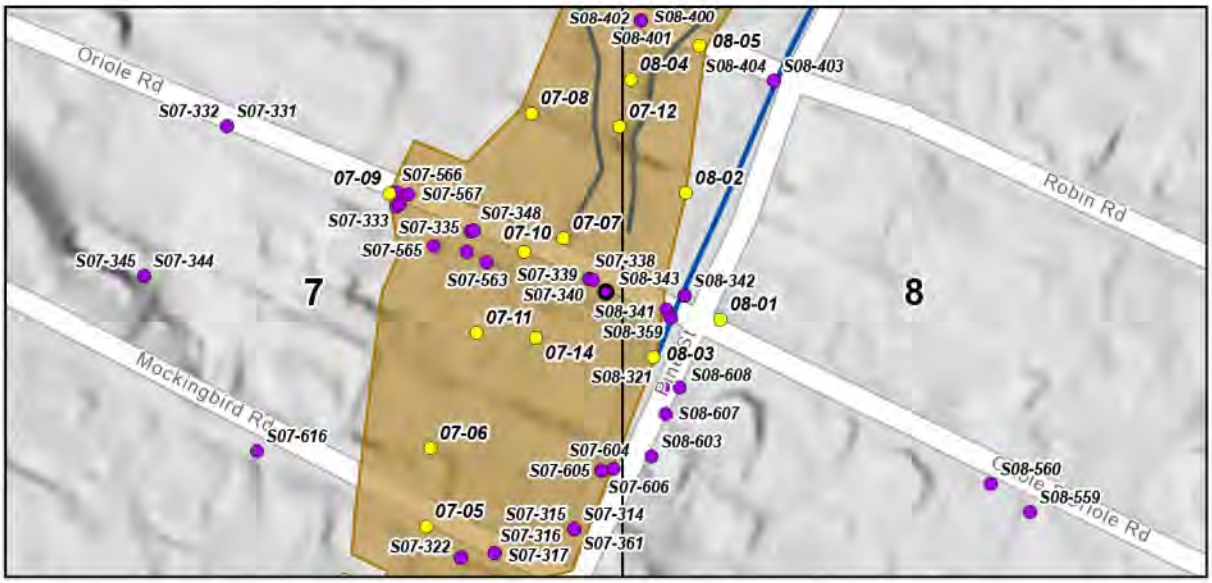
S07-438





Appendix D
SB County Obs.

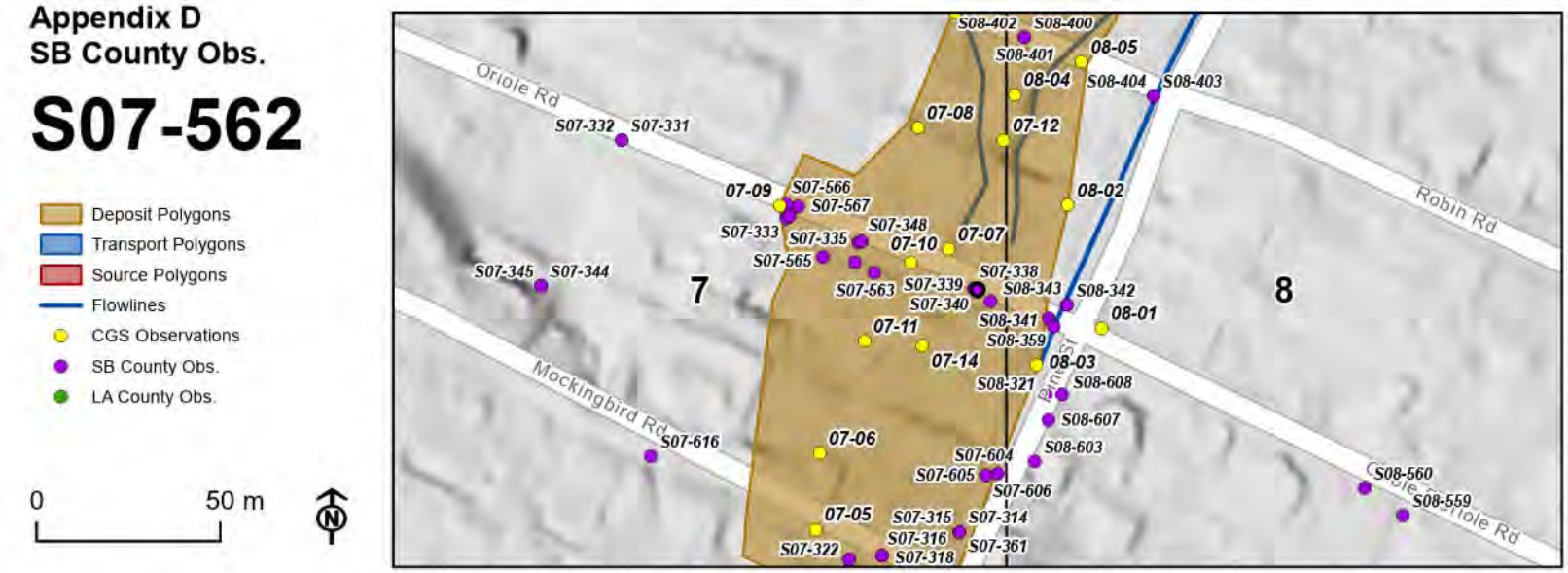
S07-561





Appendix D
SB County Obs.

S07-562



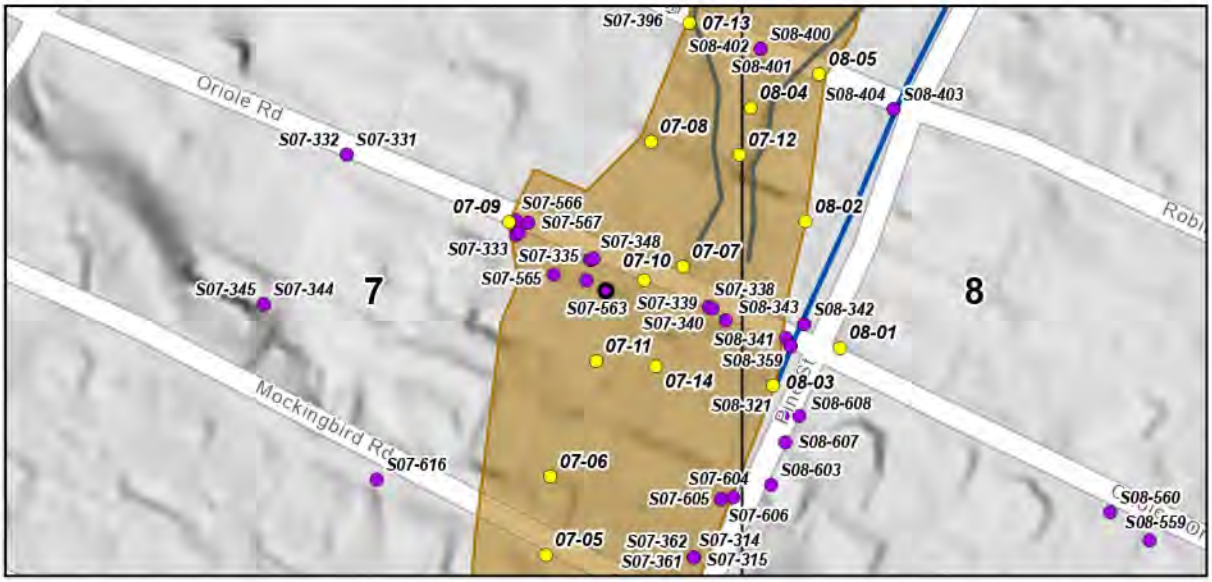


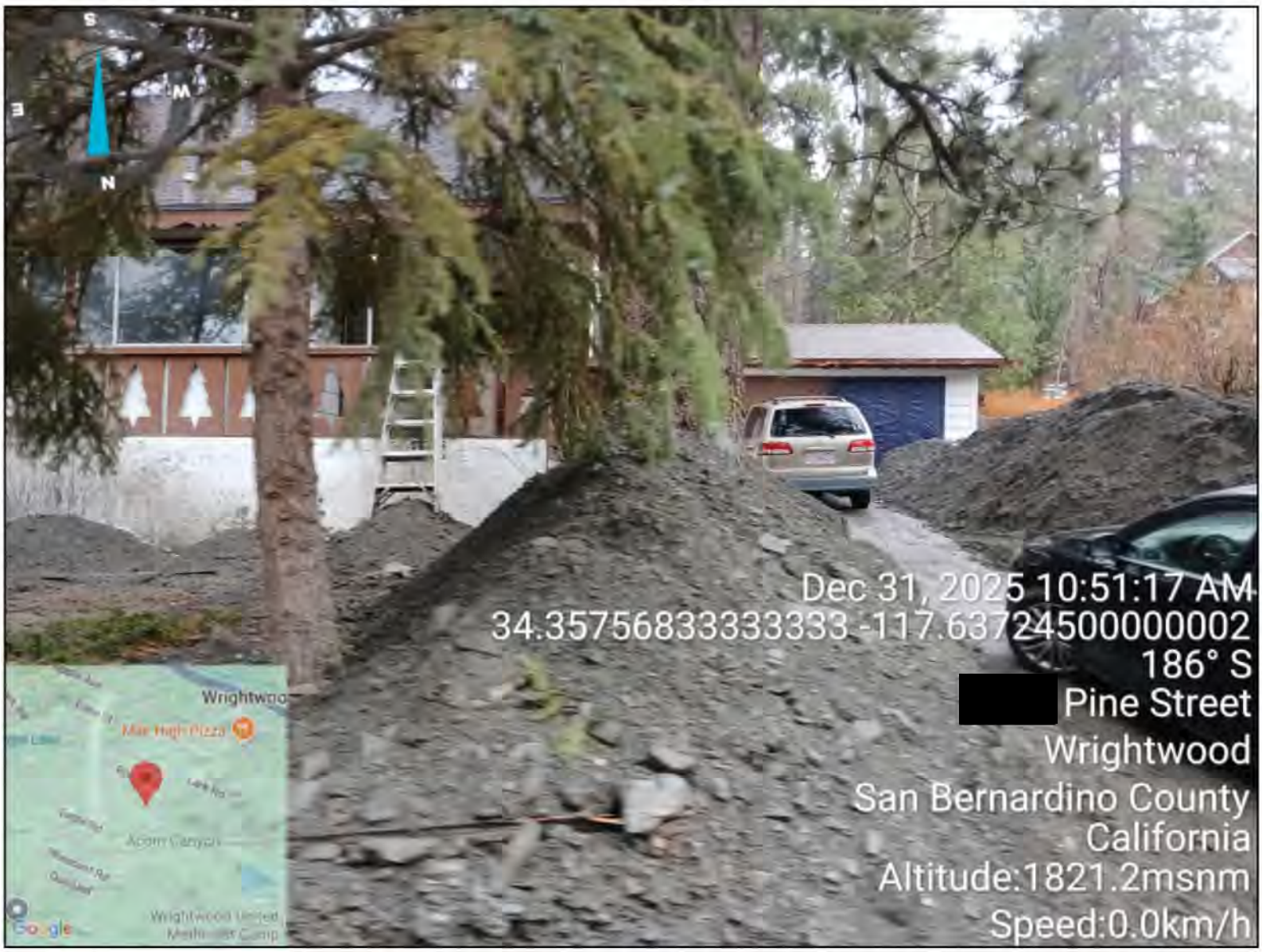
Appendix D
SB County Obs.

S07-563

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



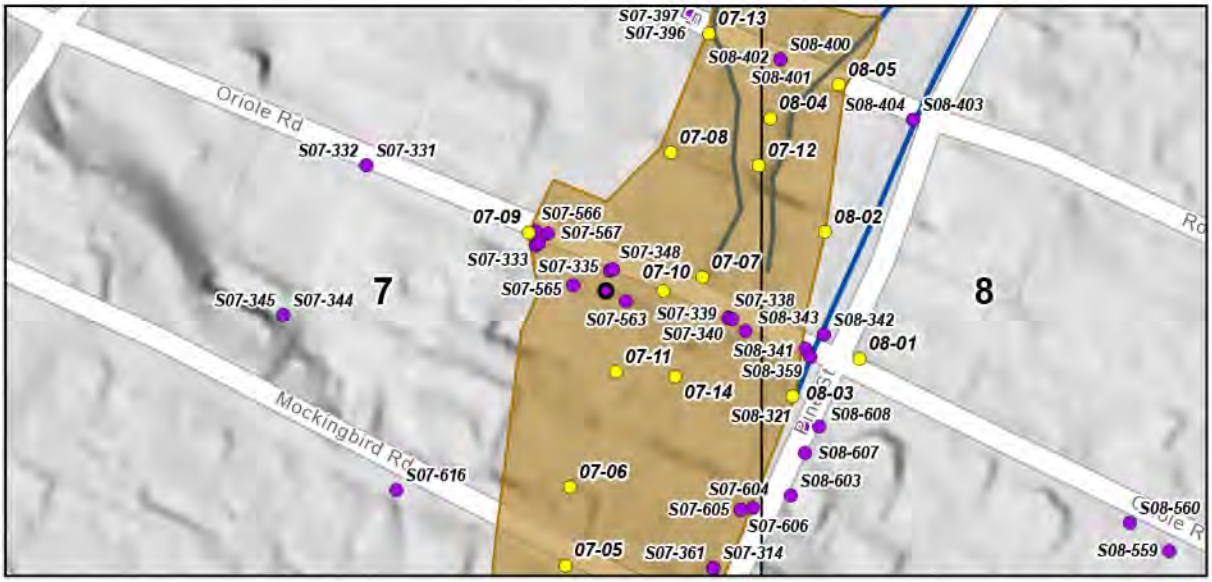


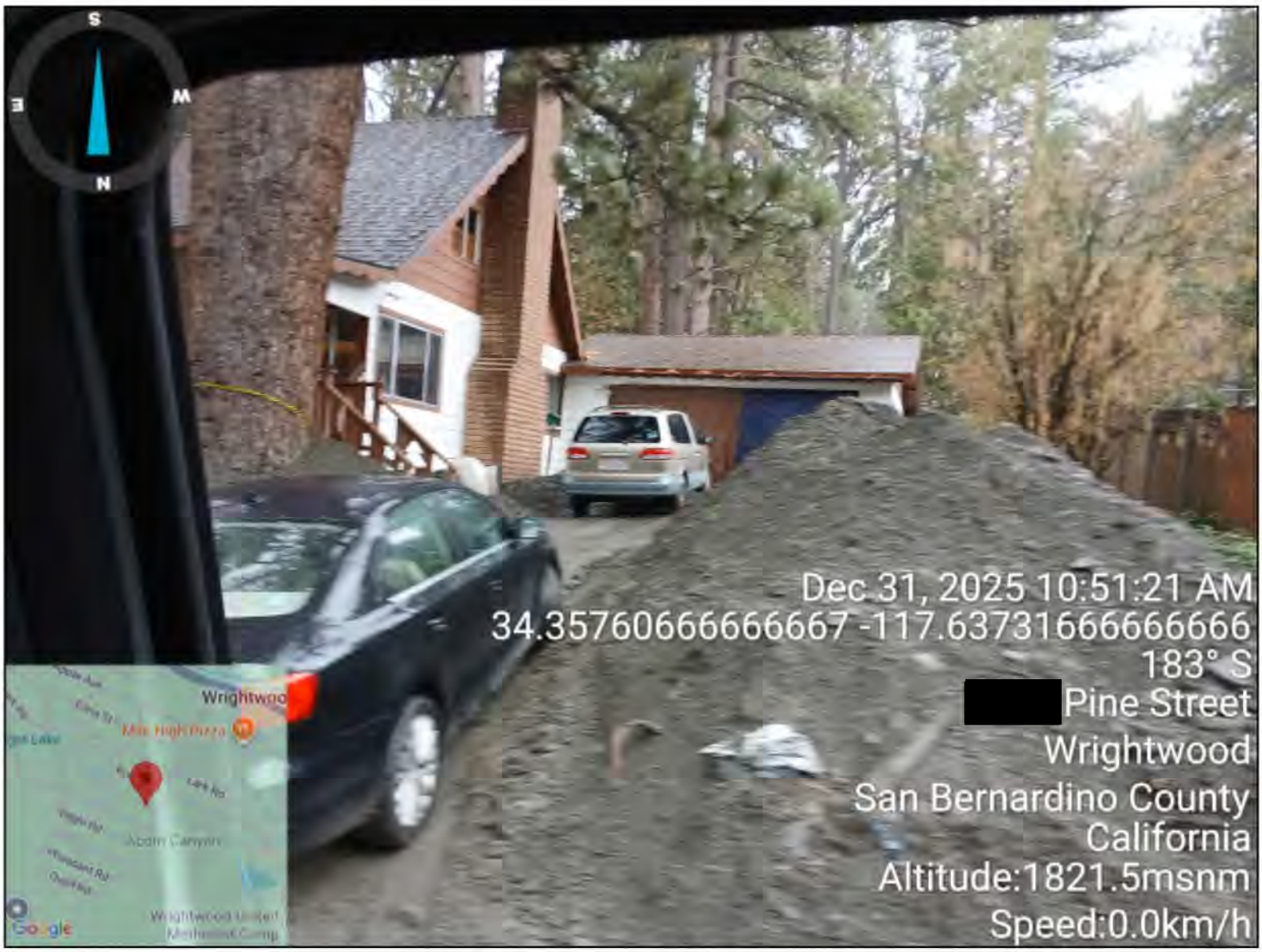
Appendix D
SB County Obs.

S07-564

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



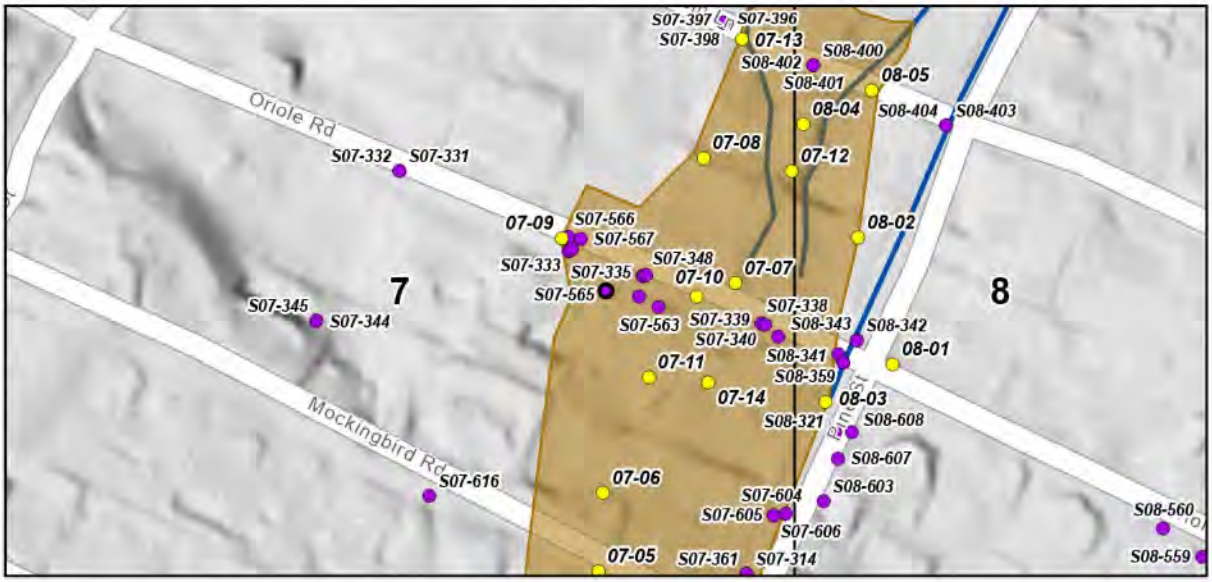


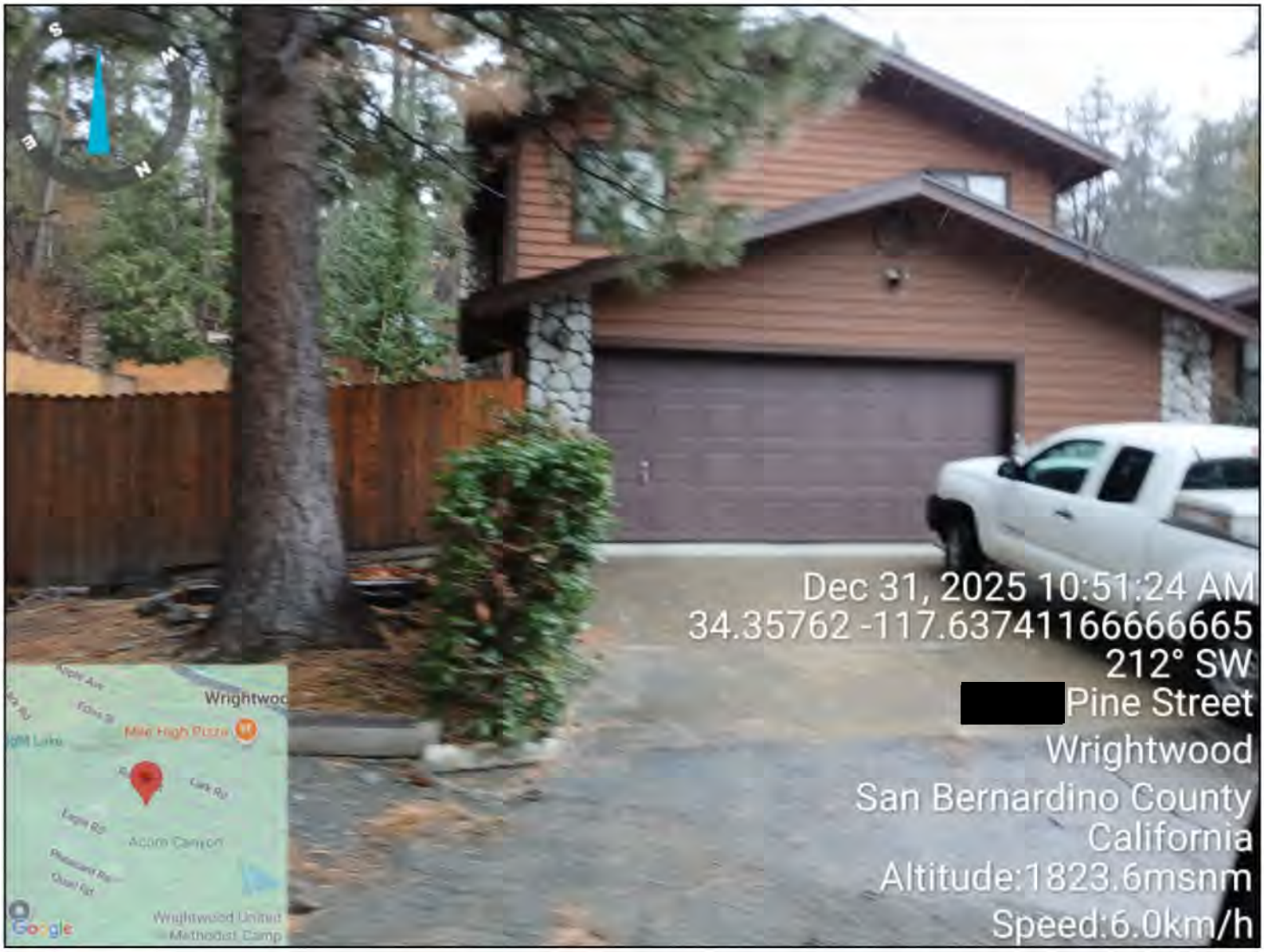
Appendix D
SB County Obs.

S07-565

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



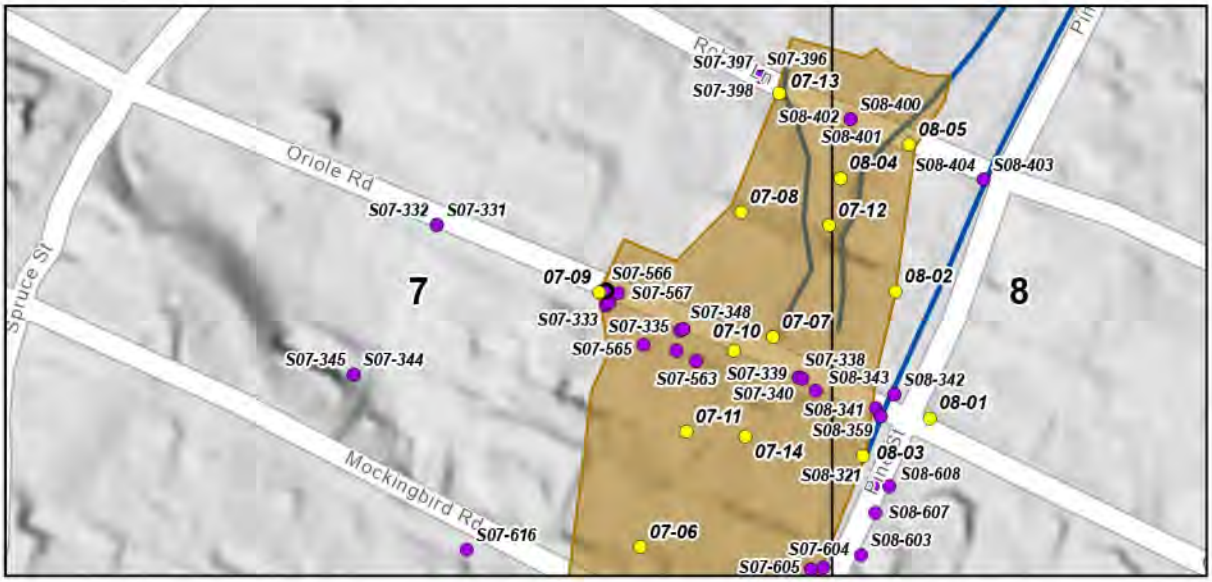


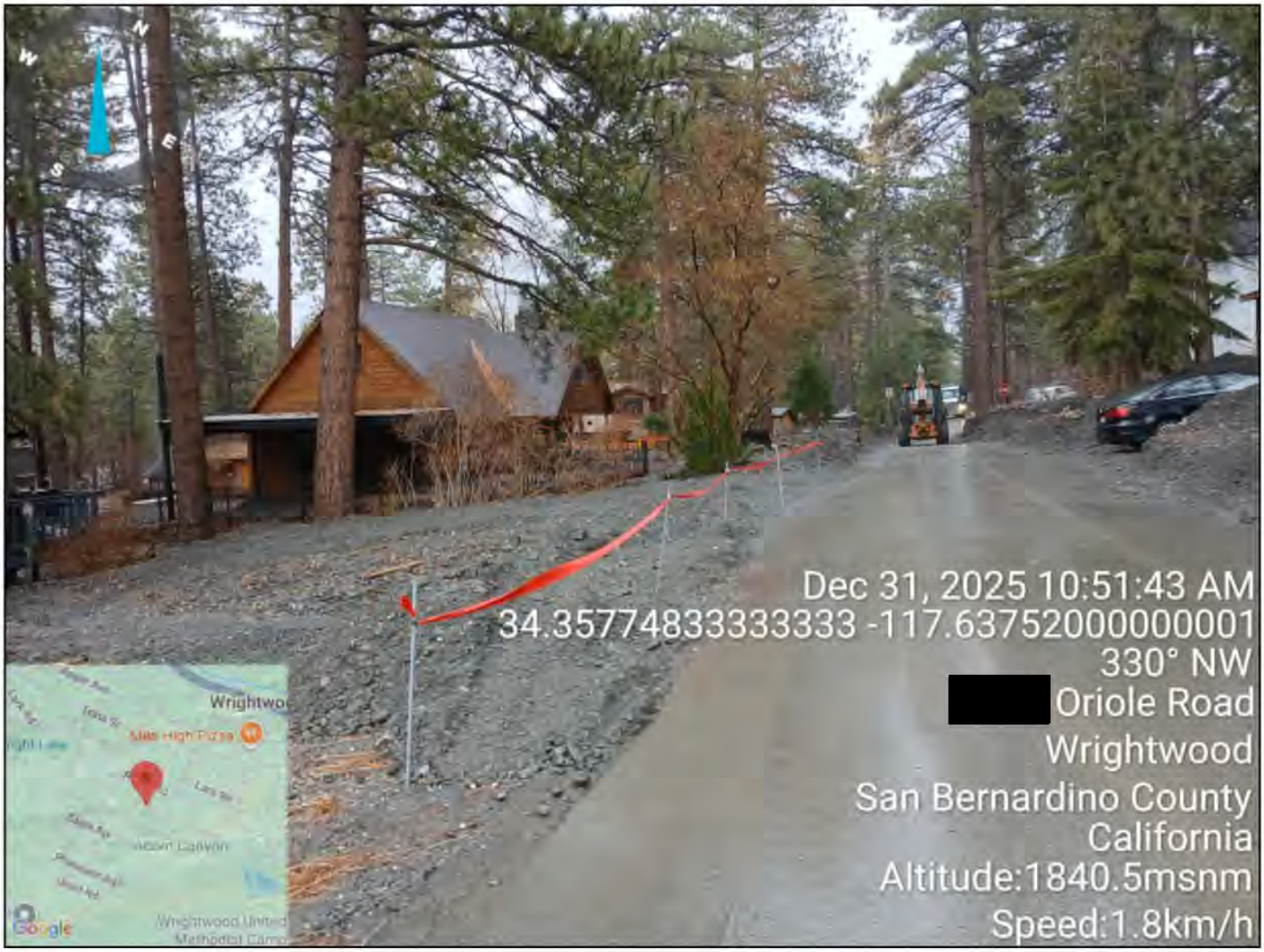
Appendix D
SB County Obs.

S07-566

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 — 50 m



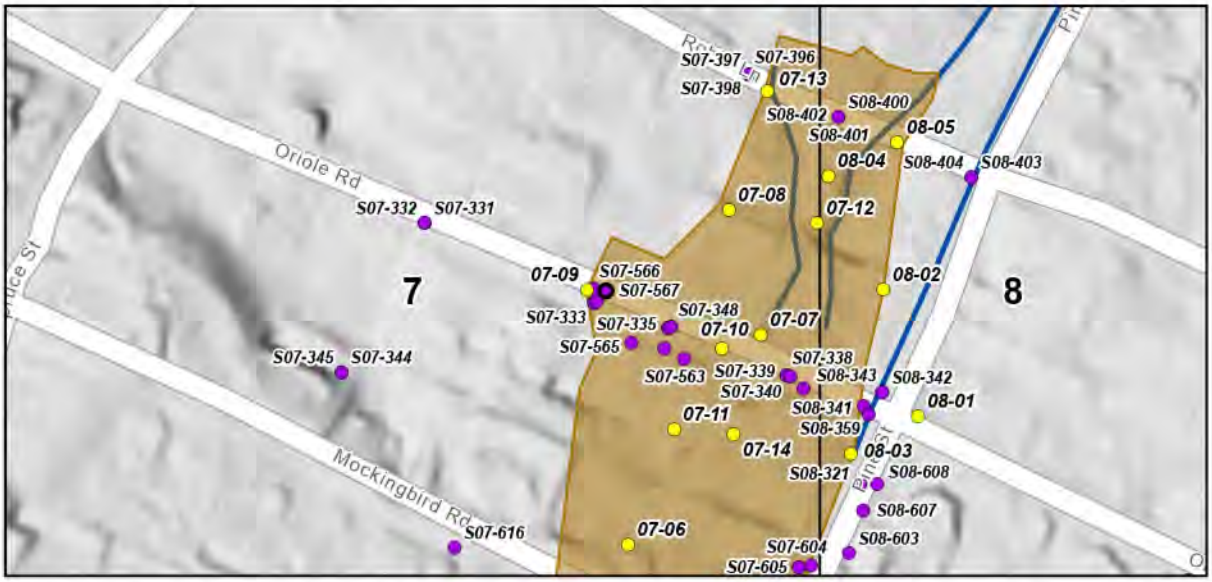


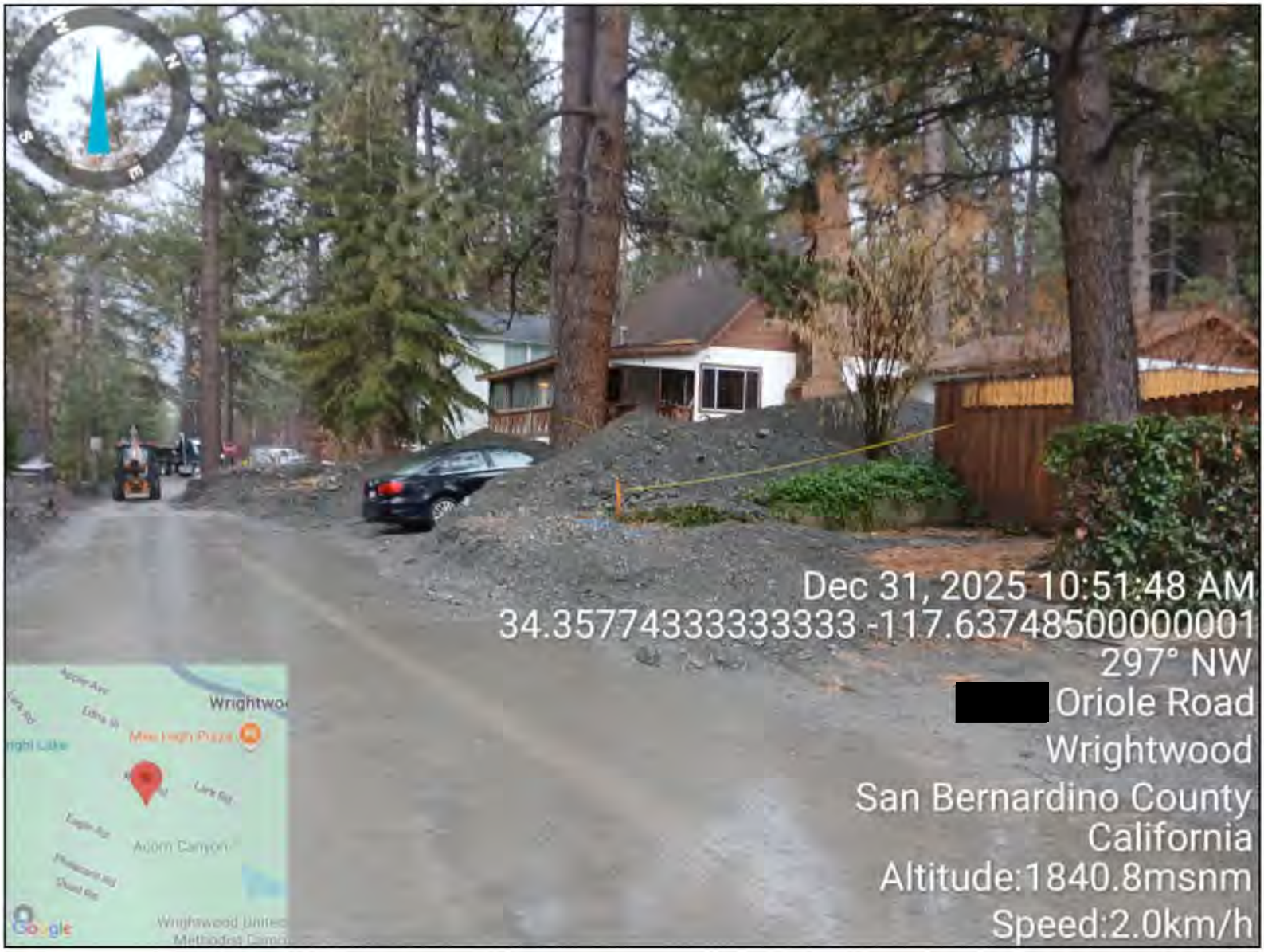
Appendix D
SB County Obs.

S07-567

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m

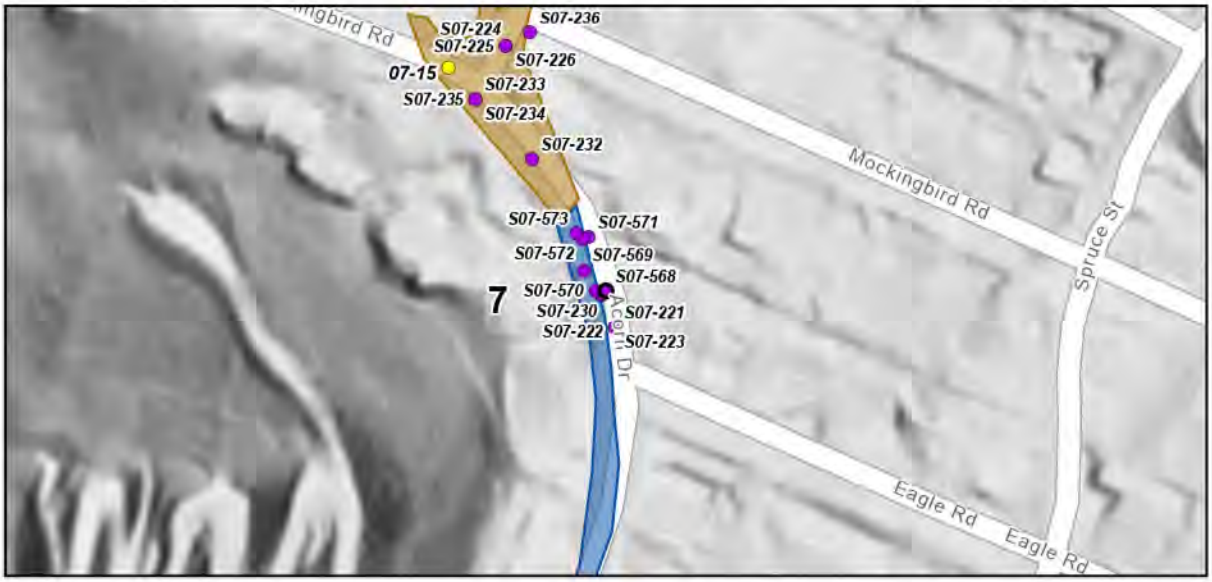




Appendix D
SB County Obs.

S07-568







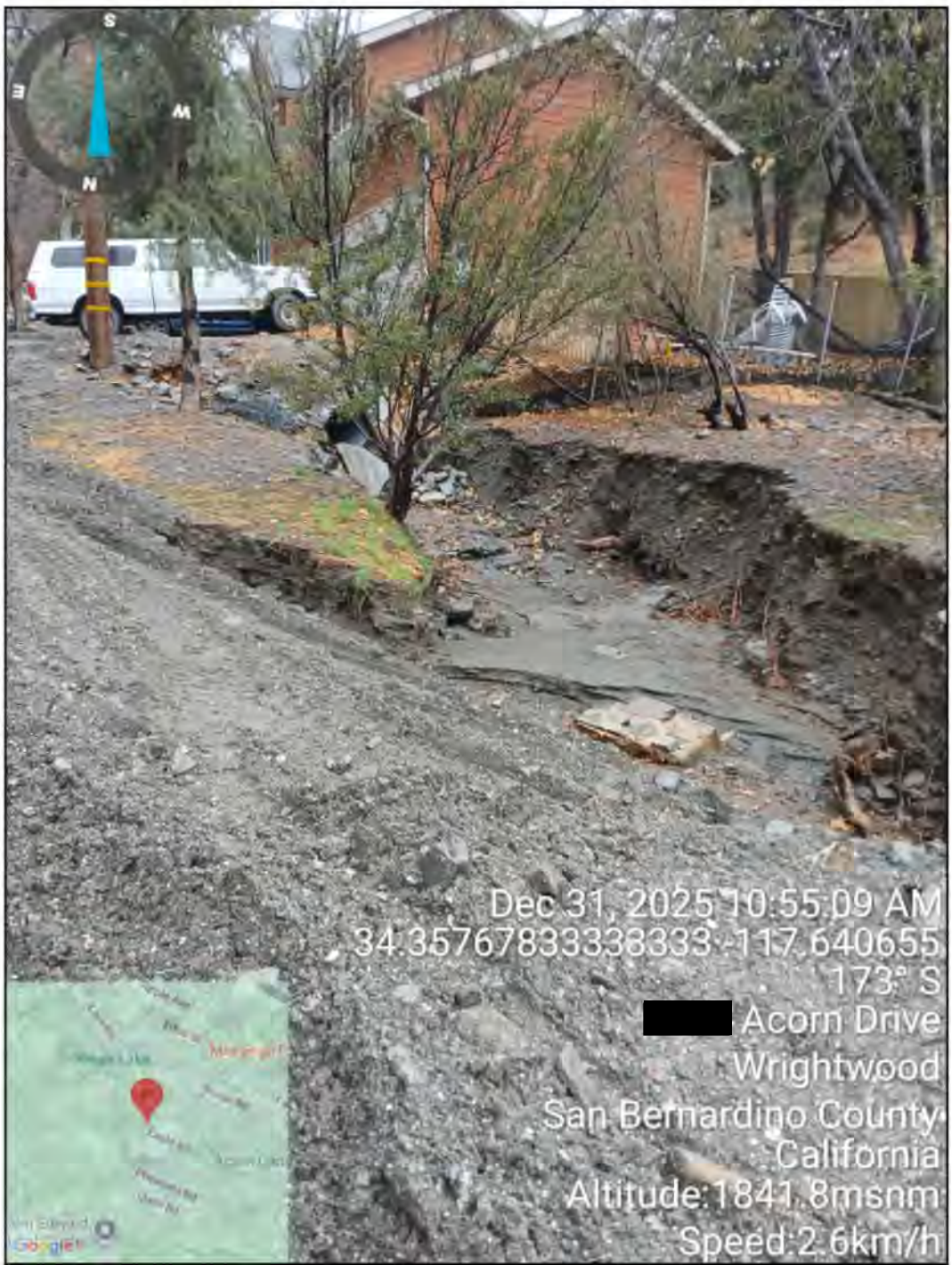
Appendix D
SB County Obs.

S07-569

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

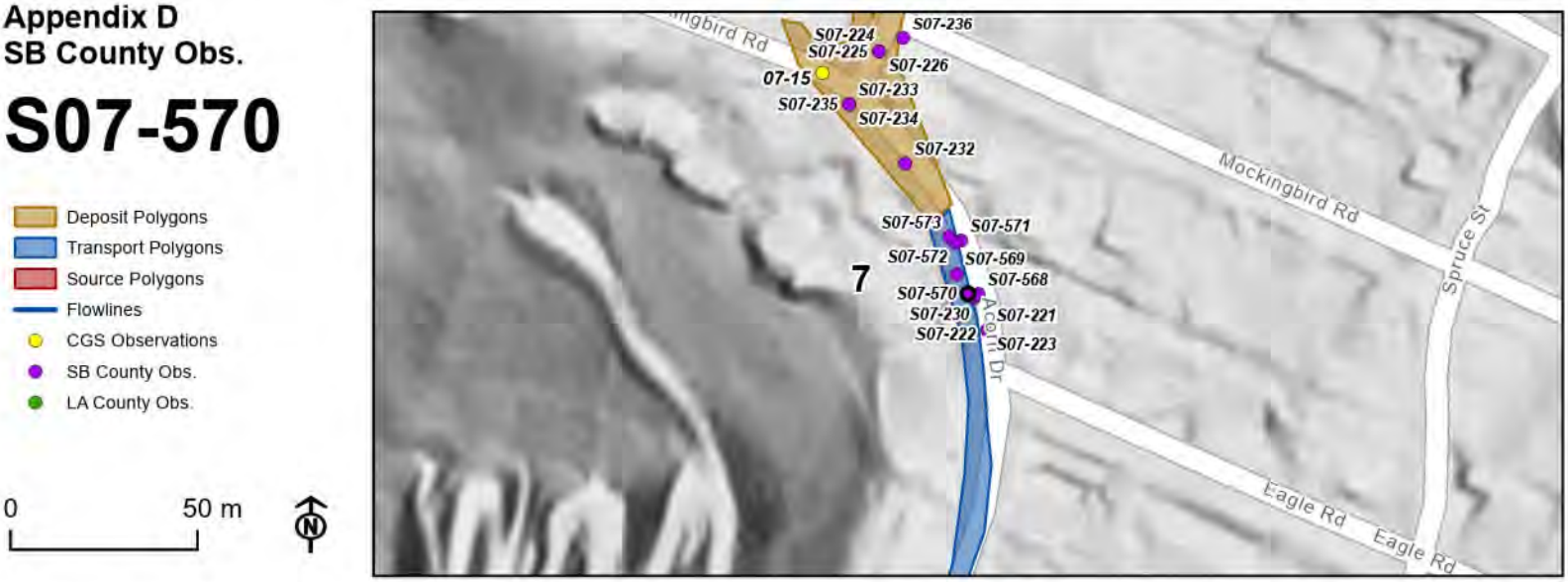
0 50 m





Appendix D
SB County Obs.

S07-570





Appendix D
SB County Obs.

S07-571







Appendix D
SB County Obs.

S07-572





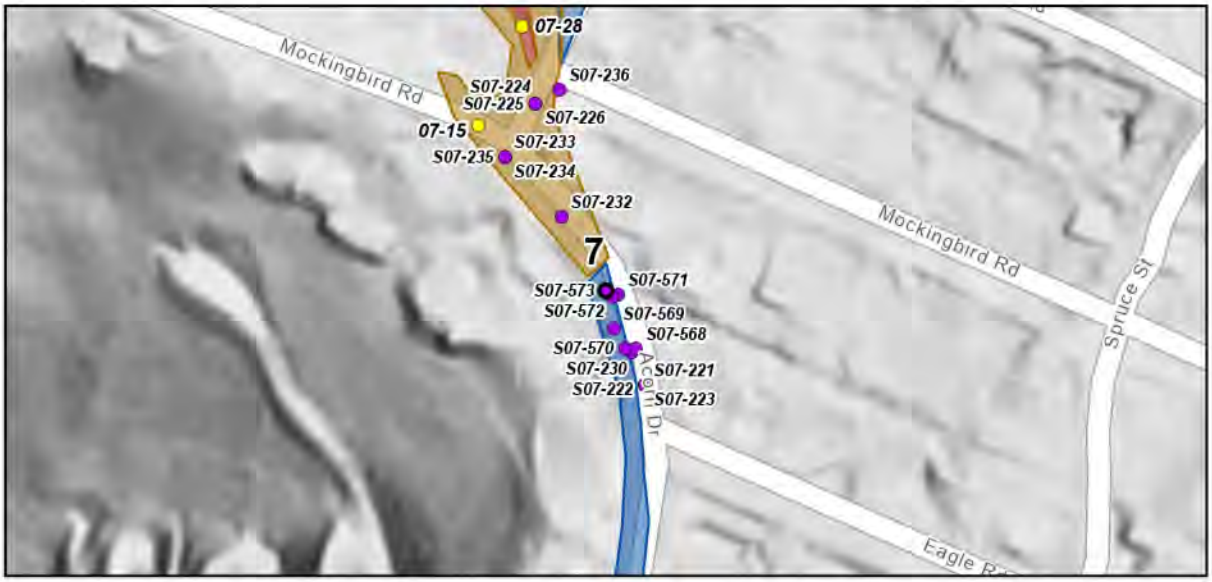


Appendix D
SB County Obs.

S07-573

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 — 50 m





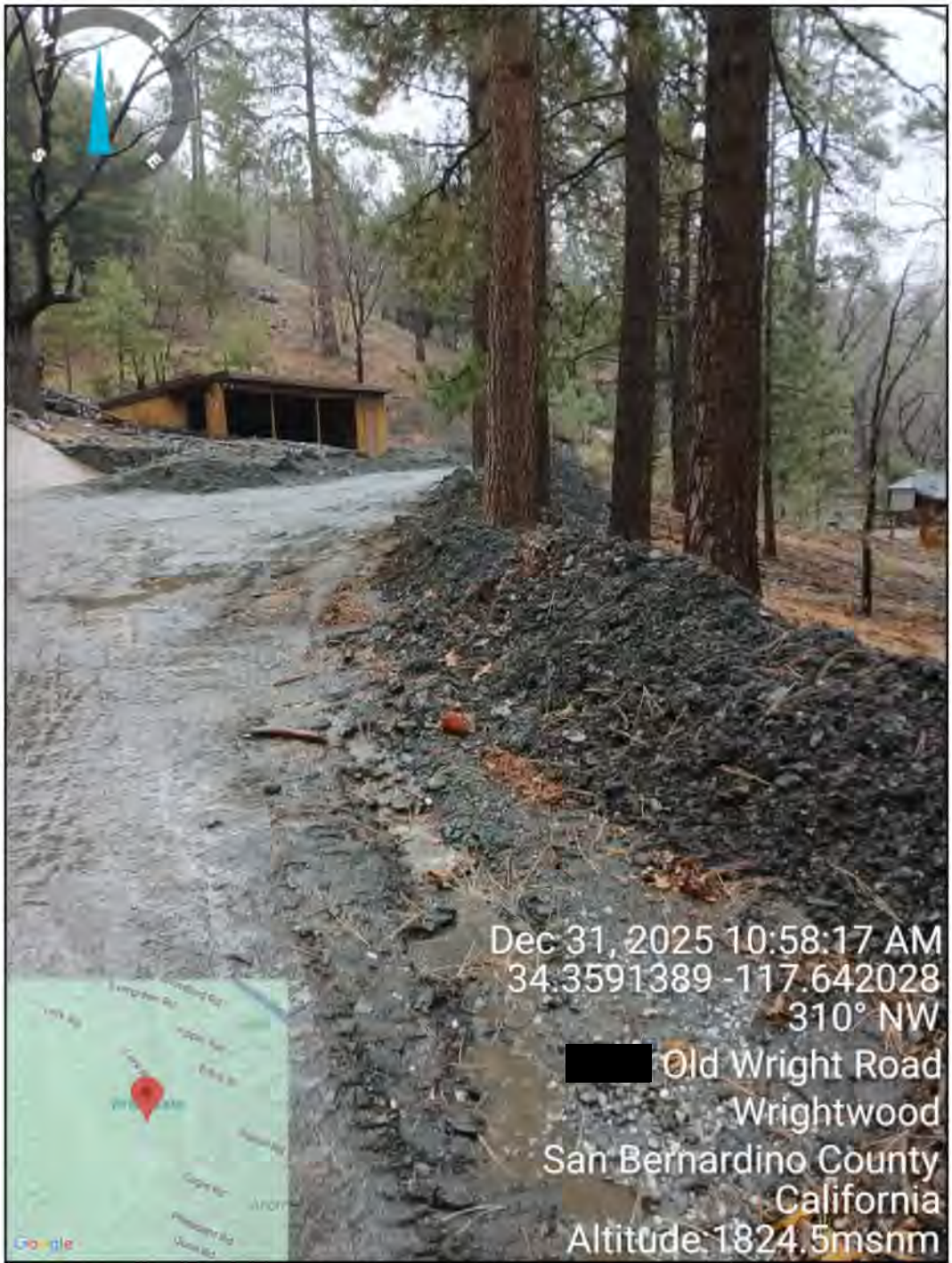
Appendix D
SB County Obs.

S07-574

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

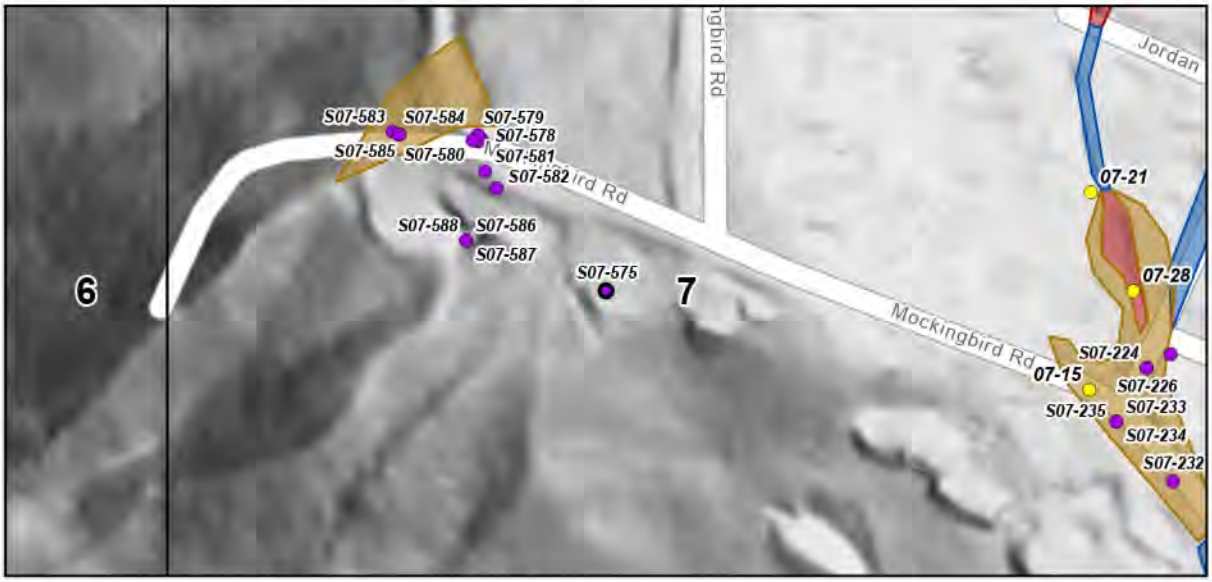
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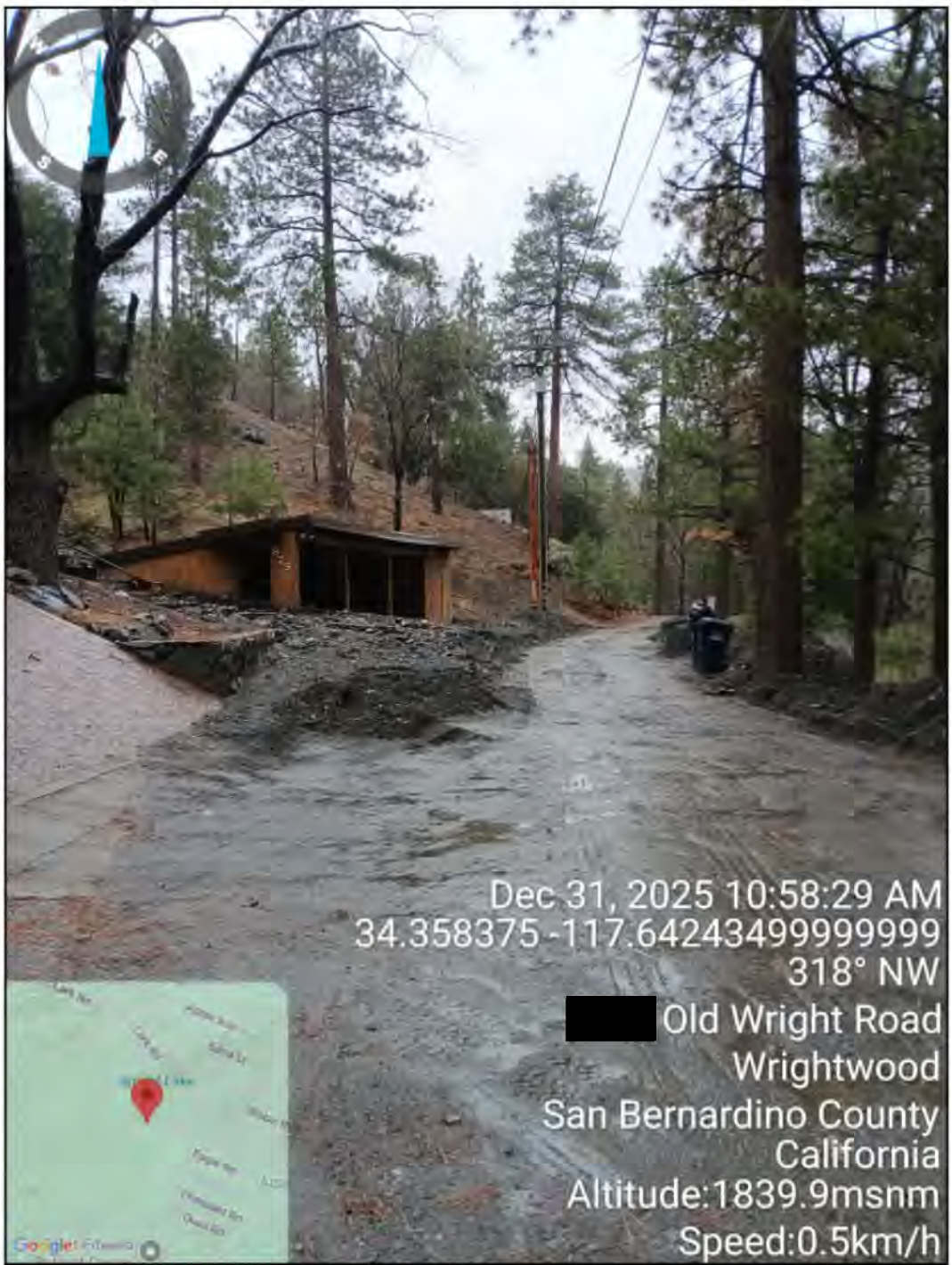




Appendix D
SB County Obs.

S07-575





Appendix D
SB County Obs.

S07-576

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-577

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-578

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-579

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m

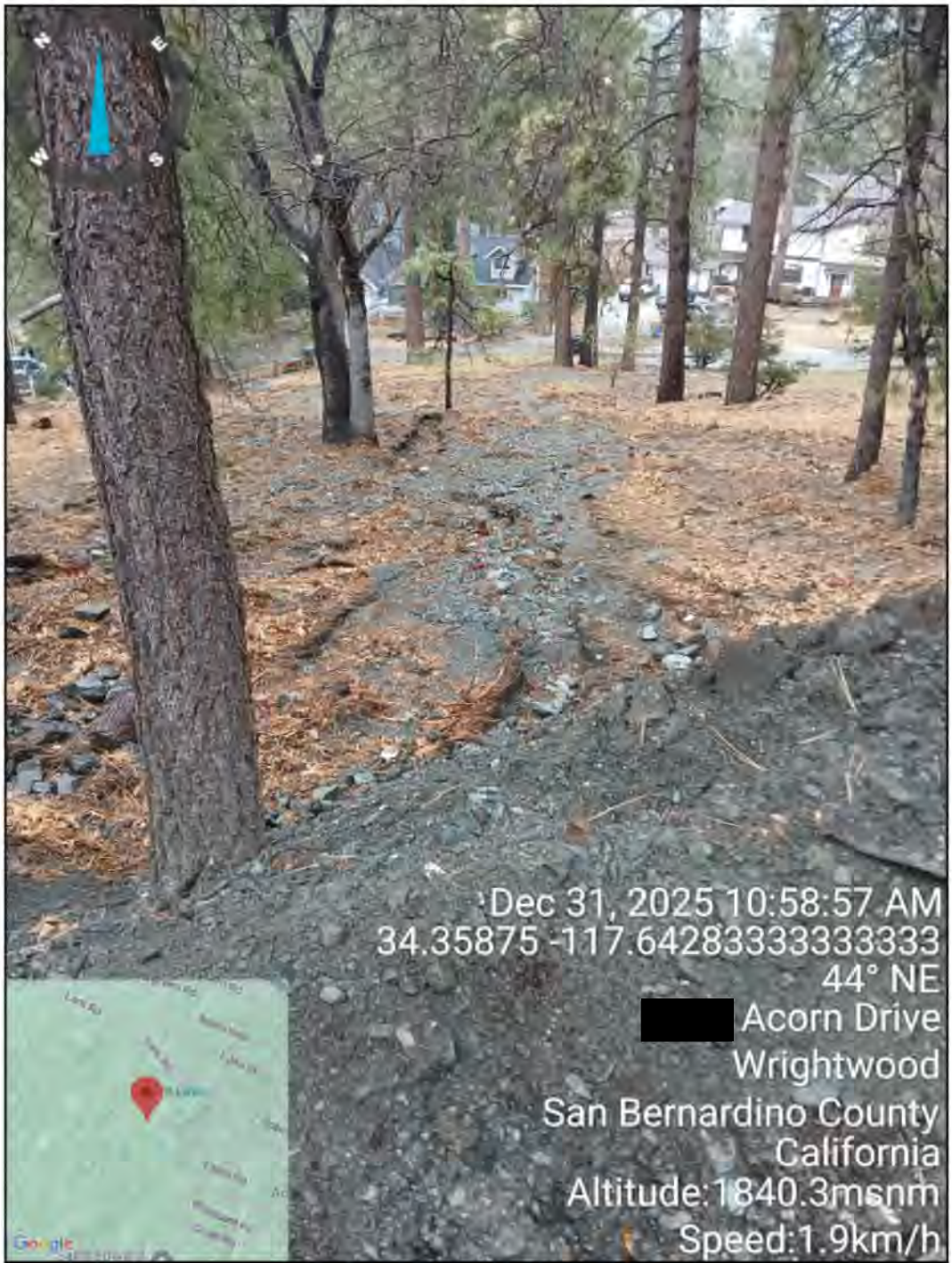




Appendix D
SB County Obs.

S07-580





Appendix D
SB County Obs.

S07-581







Appendix D
SB County Obs.

S07-582



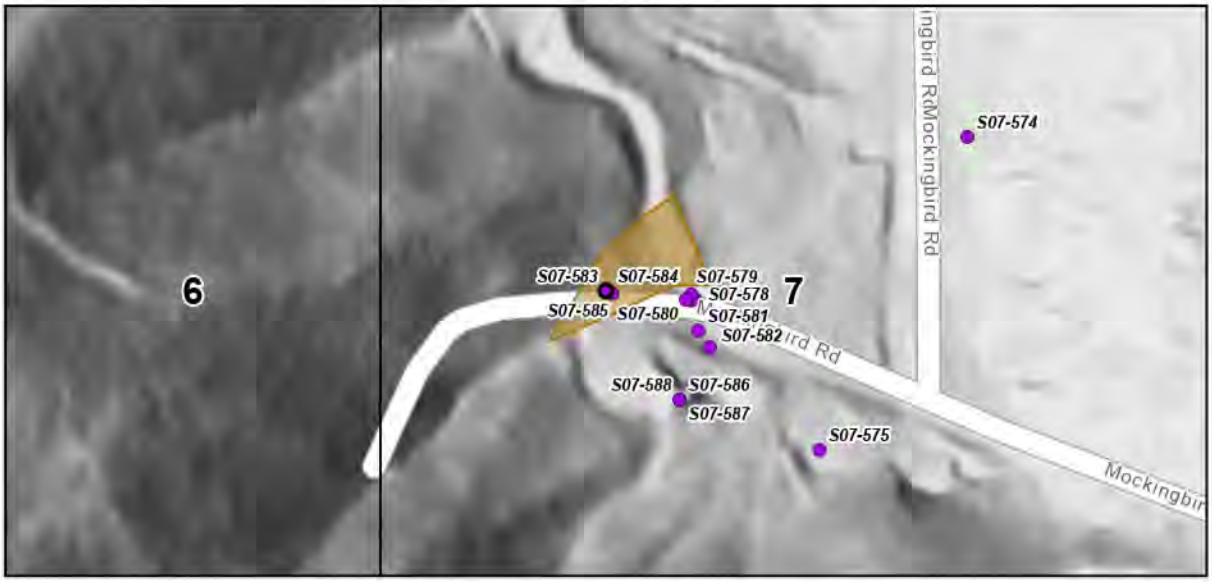


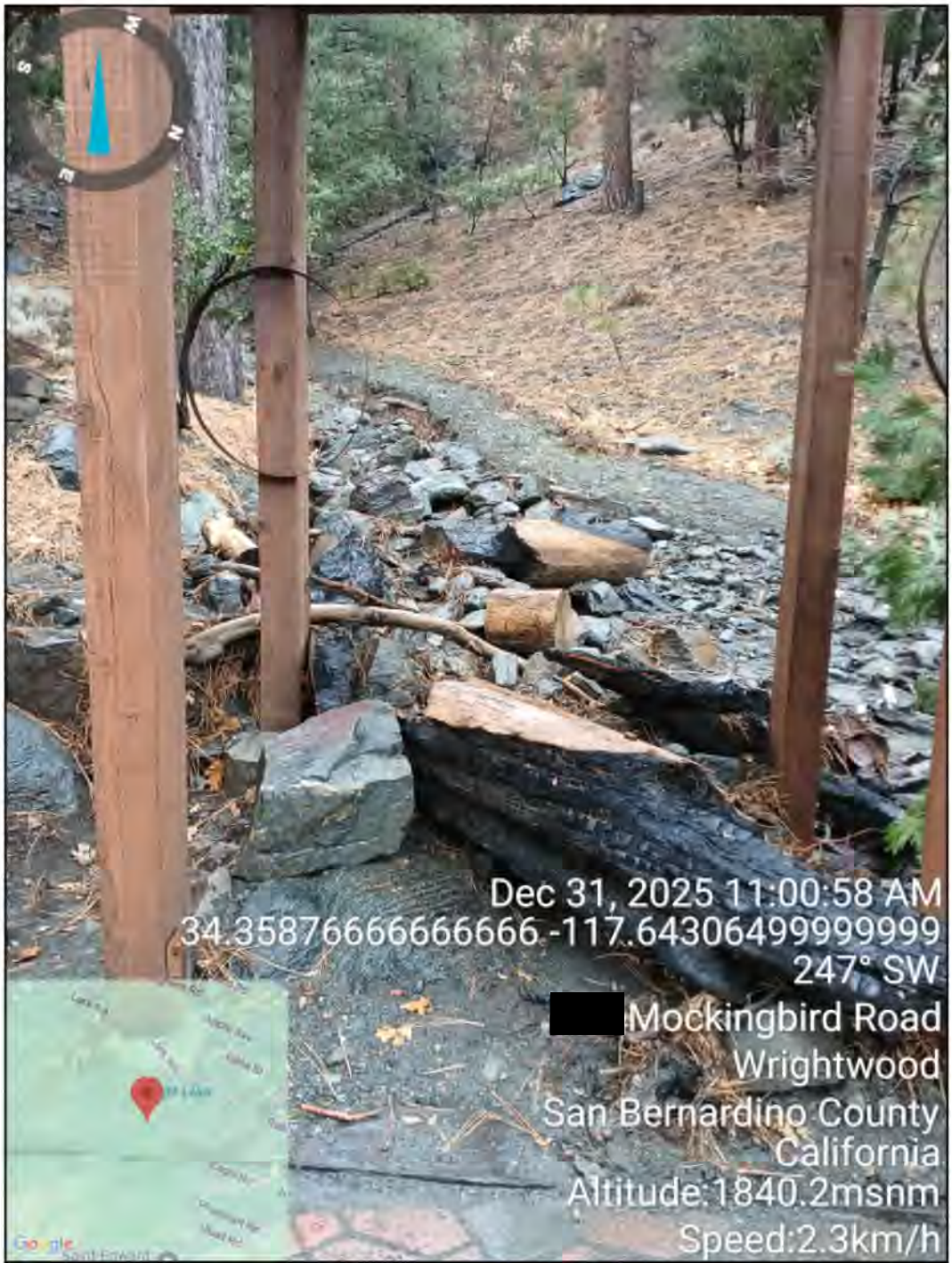
Appendix D
SB County Obs.

S07-583

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



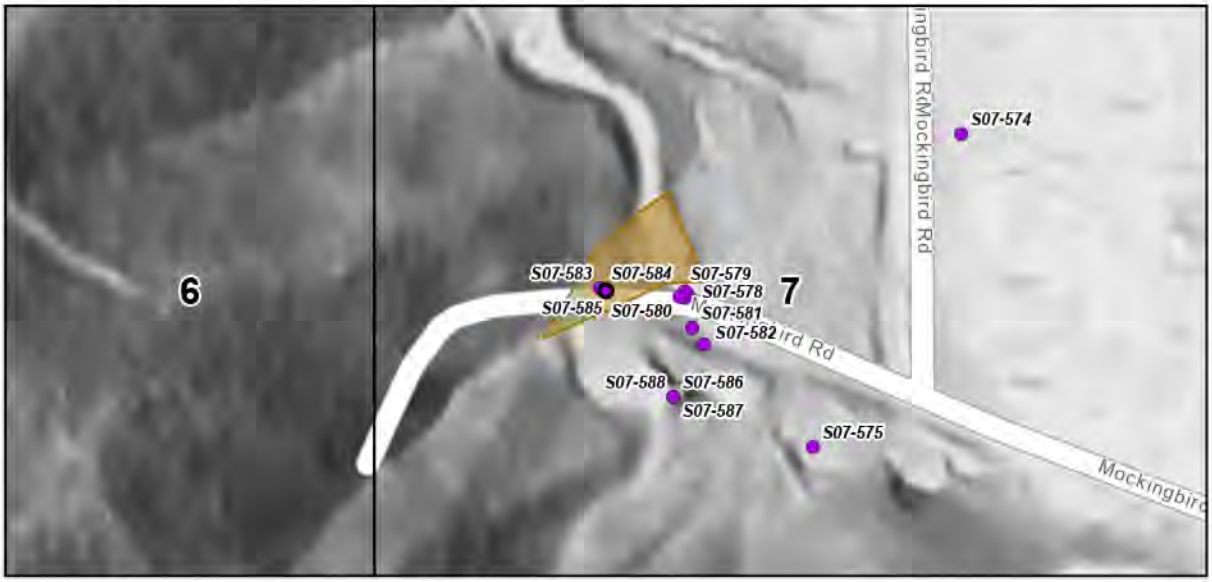


Appendix D
SB County Obs.

S07-584

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



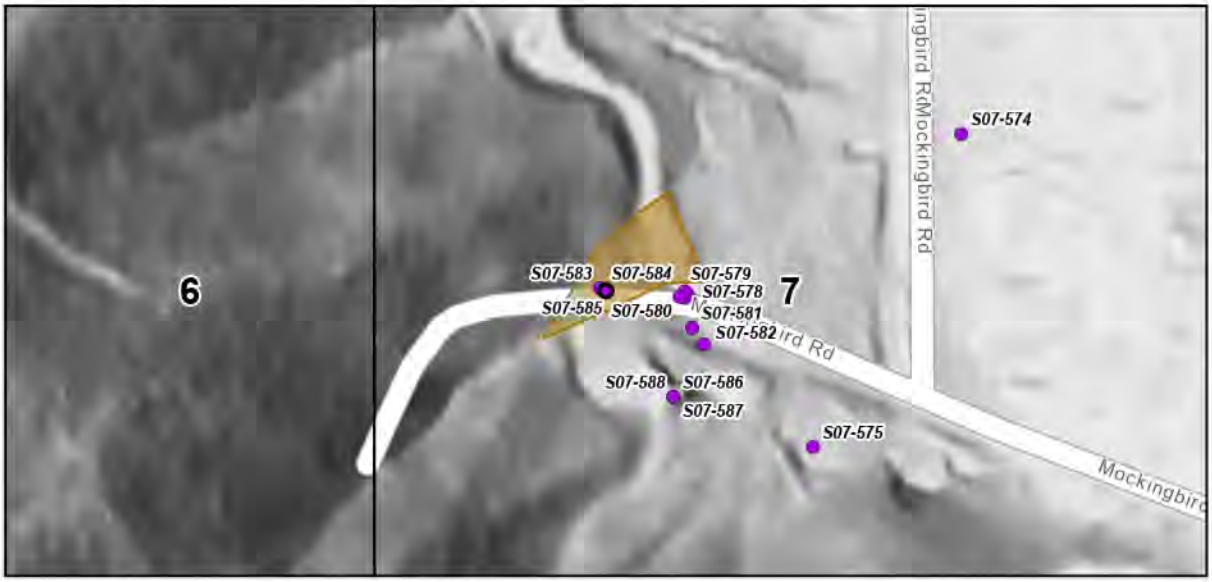


Appendix D
SB County Obs.

S07-585

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





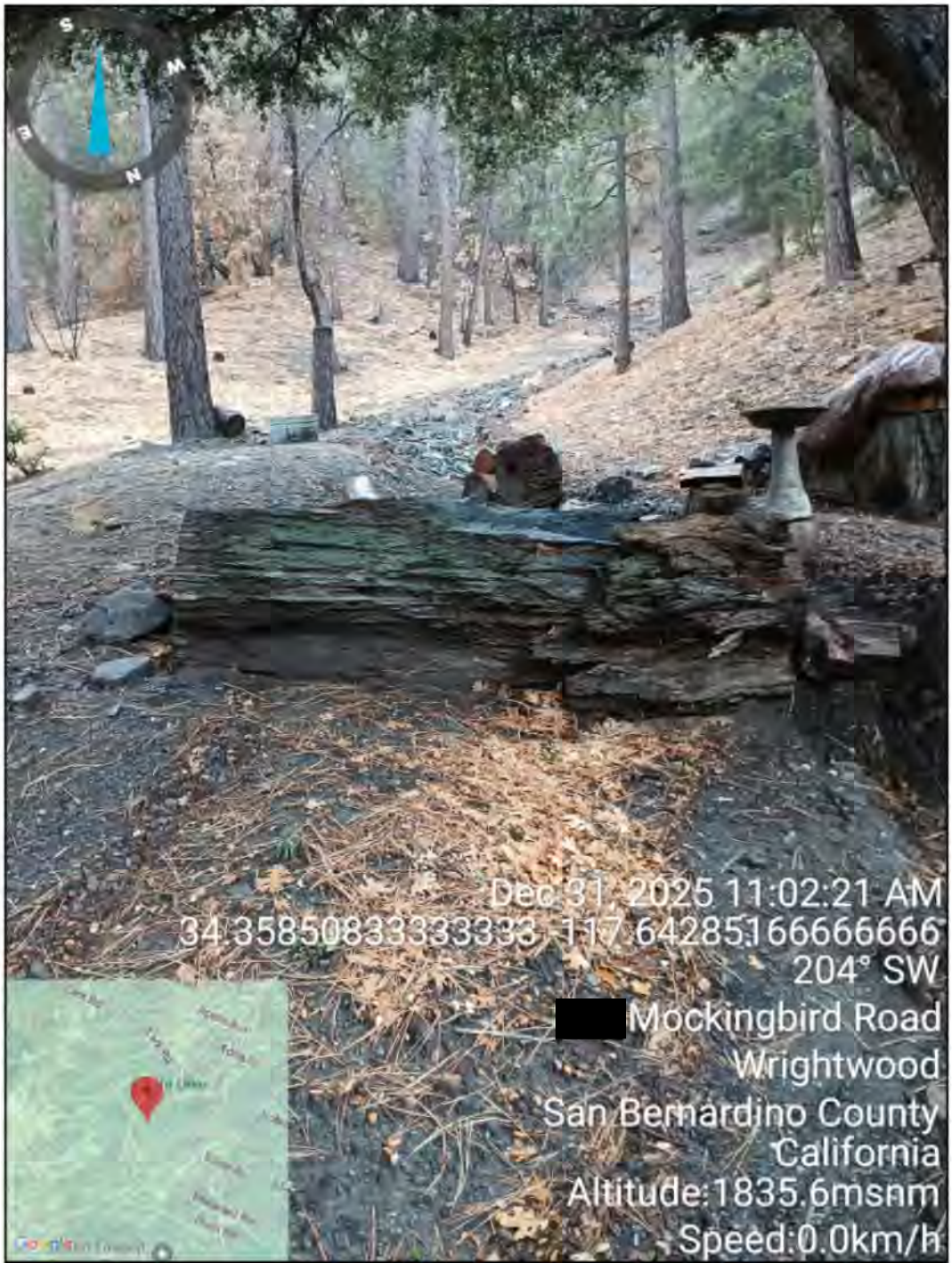
Appendix D
SB County Obs.

S07-586

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-587

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S07-588



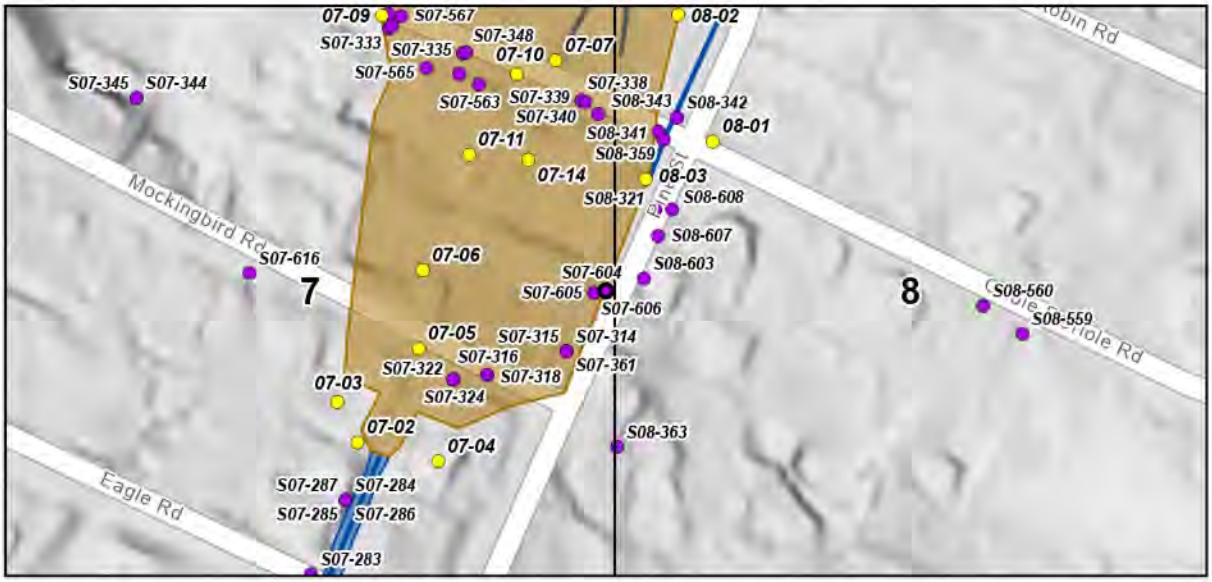


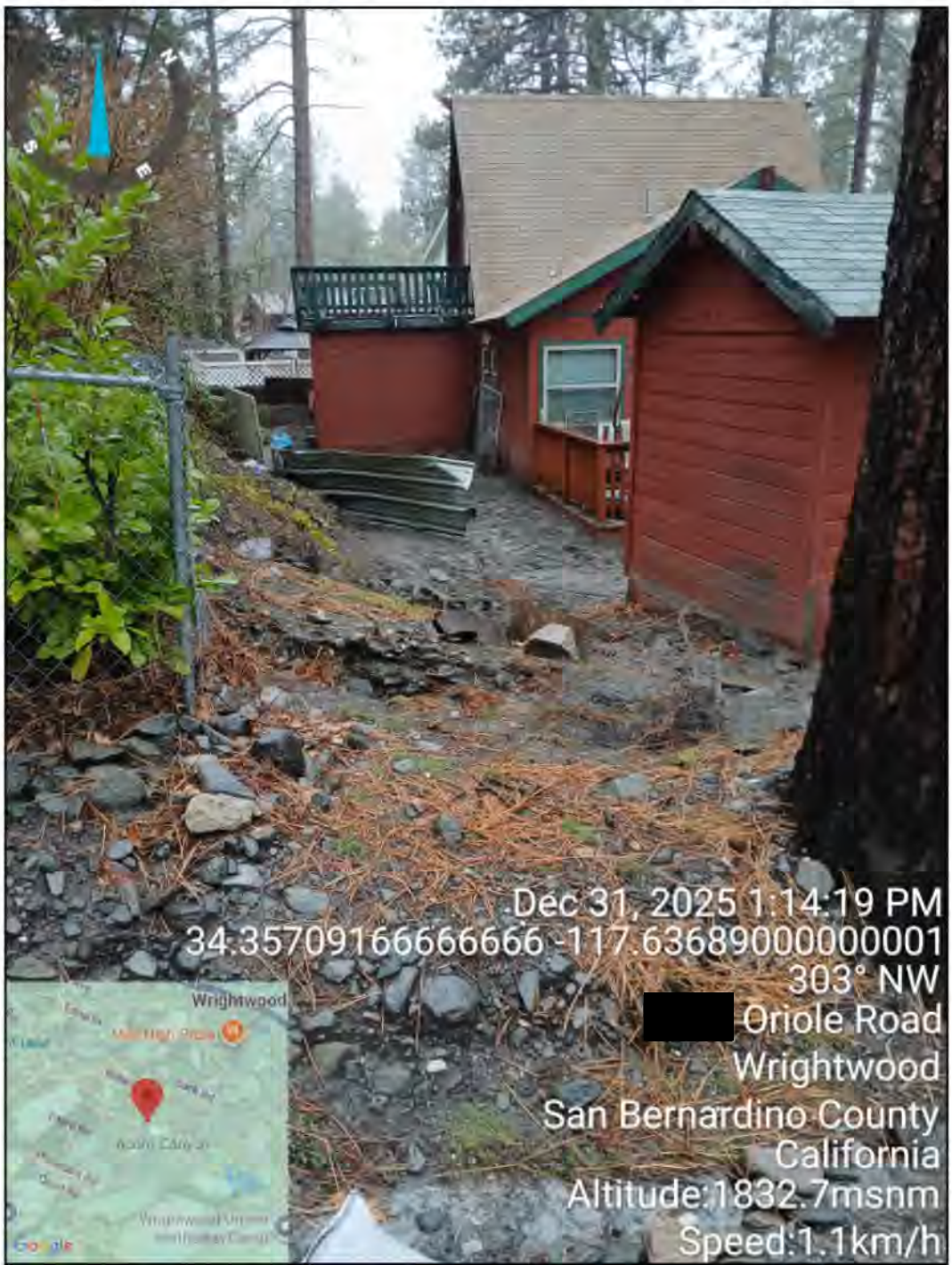


Appendix D
SB County Obs.

S07-604

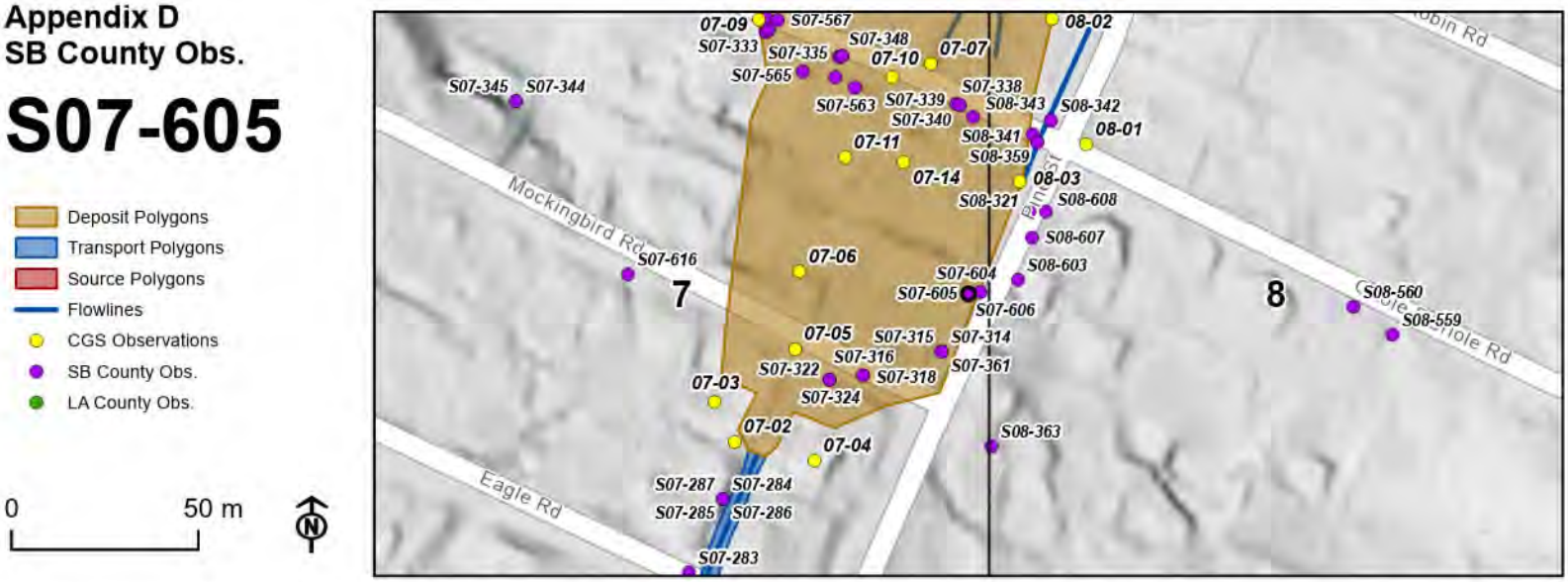


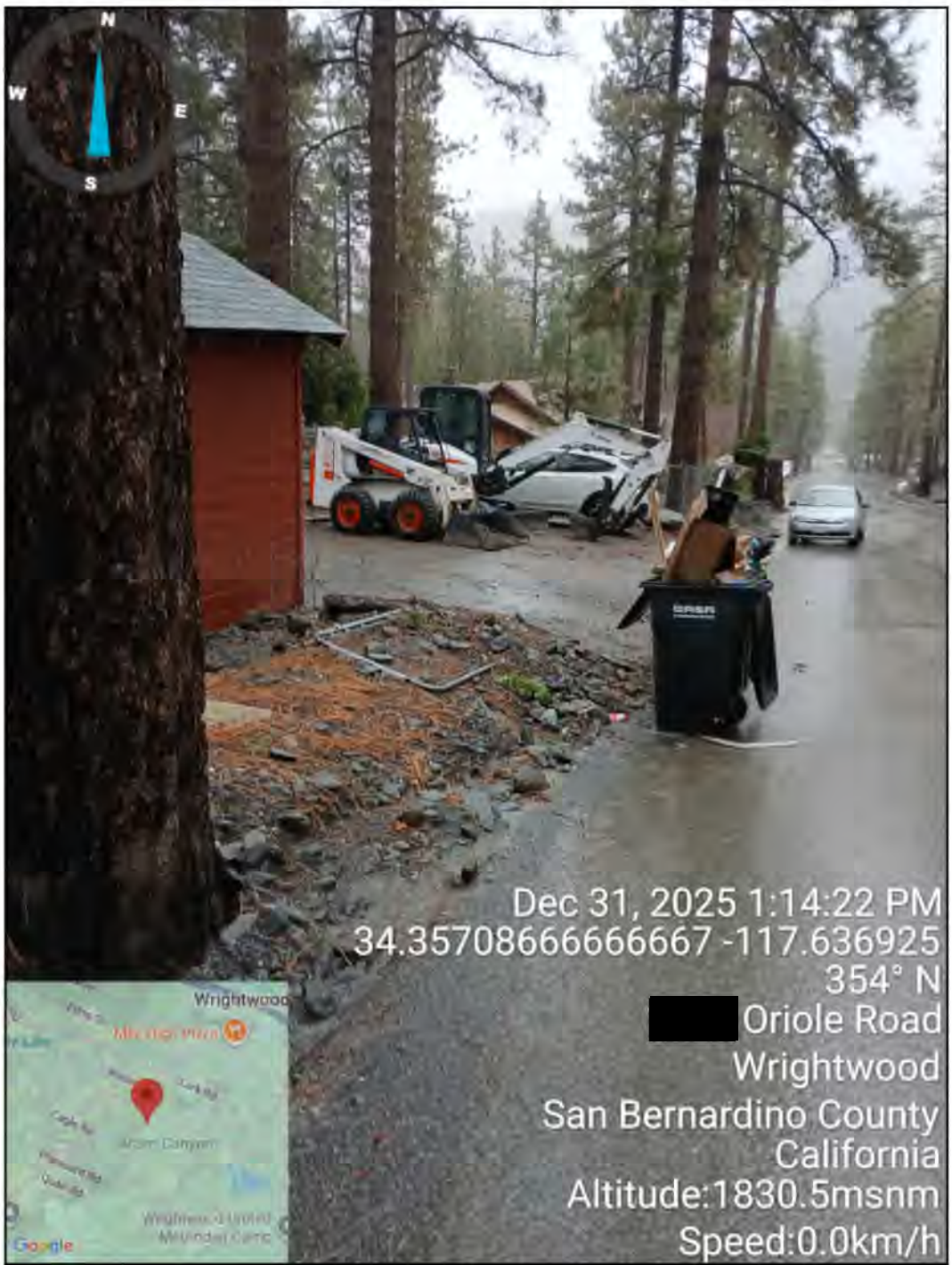




Appendix D
SB County Obs.

S07-605



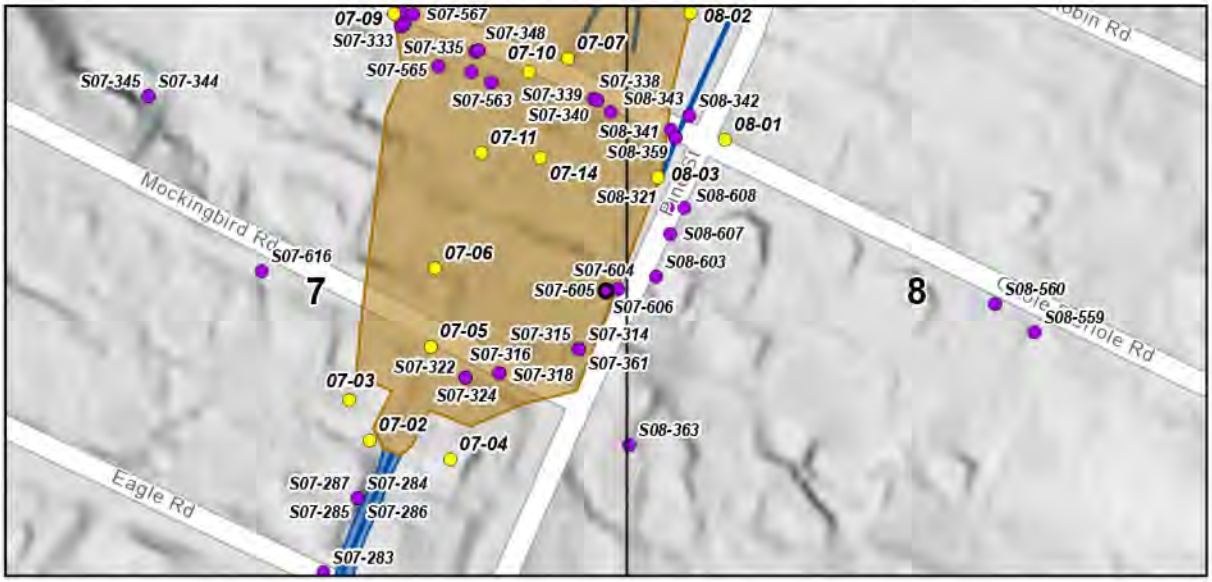


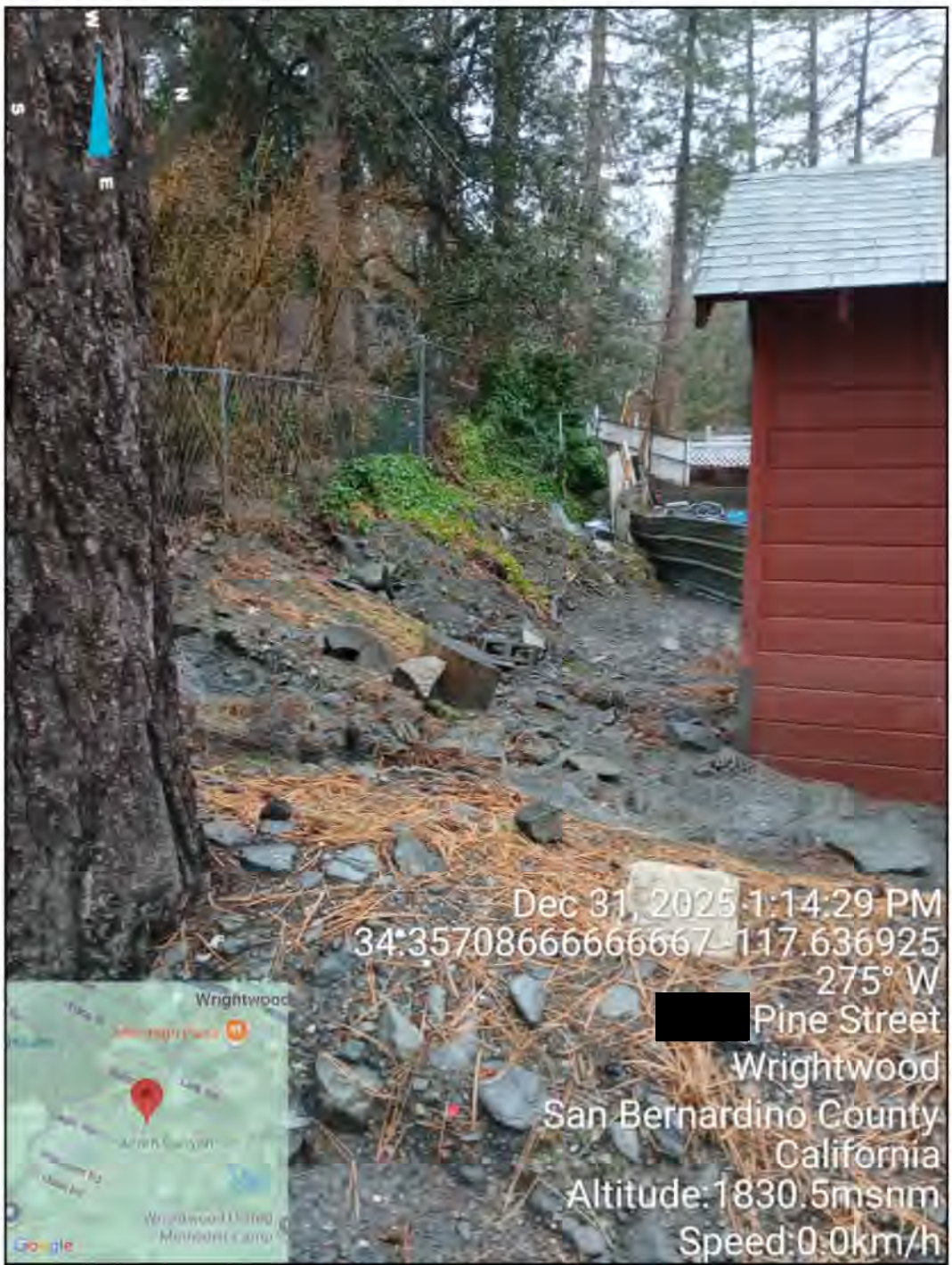
Appendix D
SB County Obs.

S07-606

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

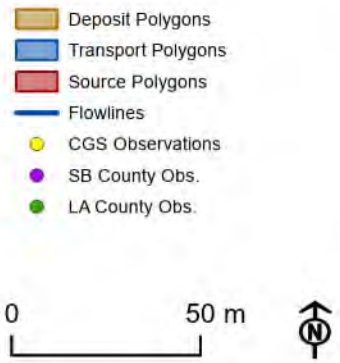
0 50 m



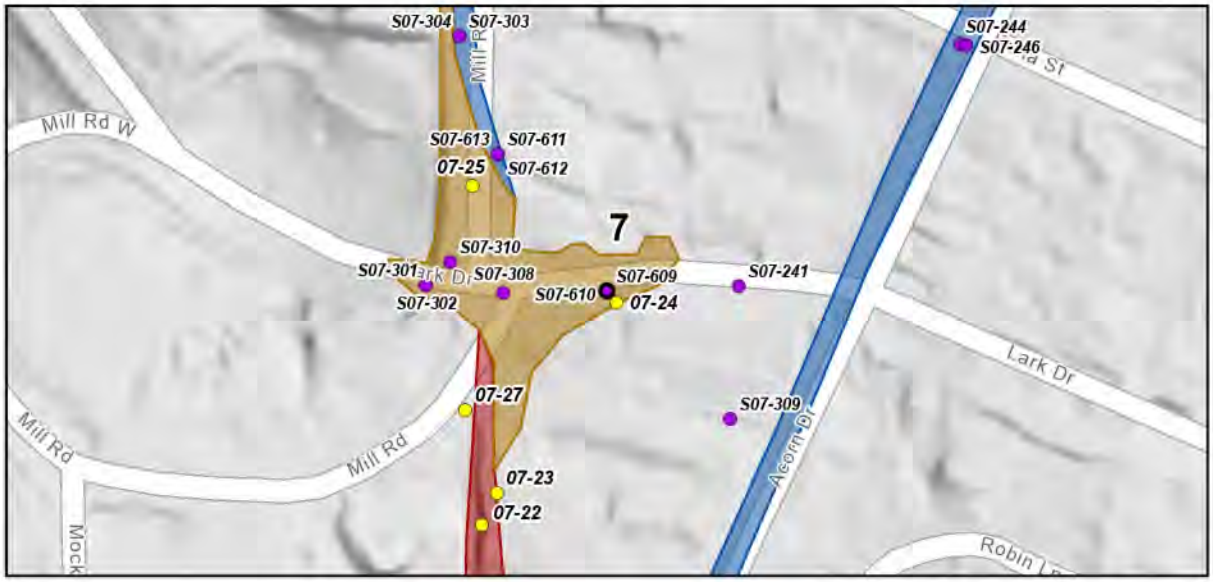


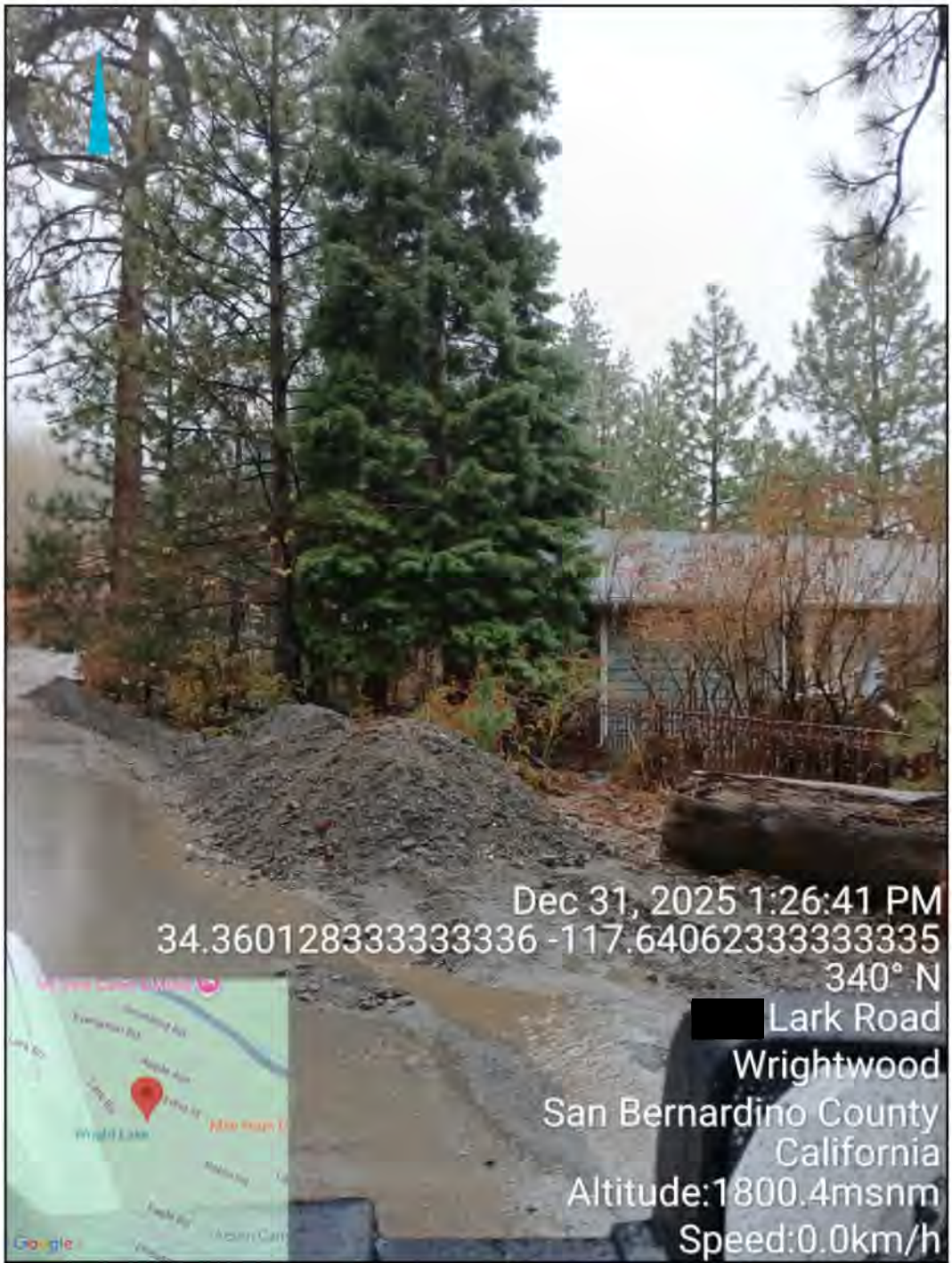
Appendix D
SB County Obs.

S07-609



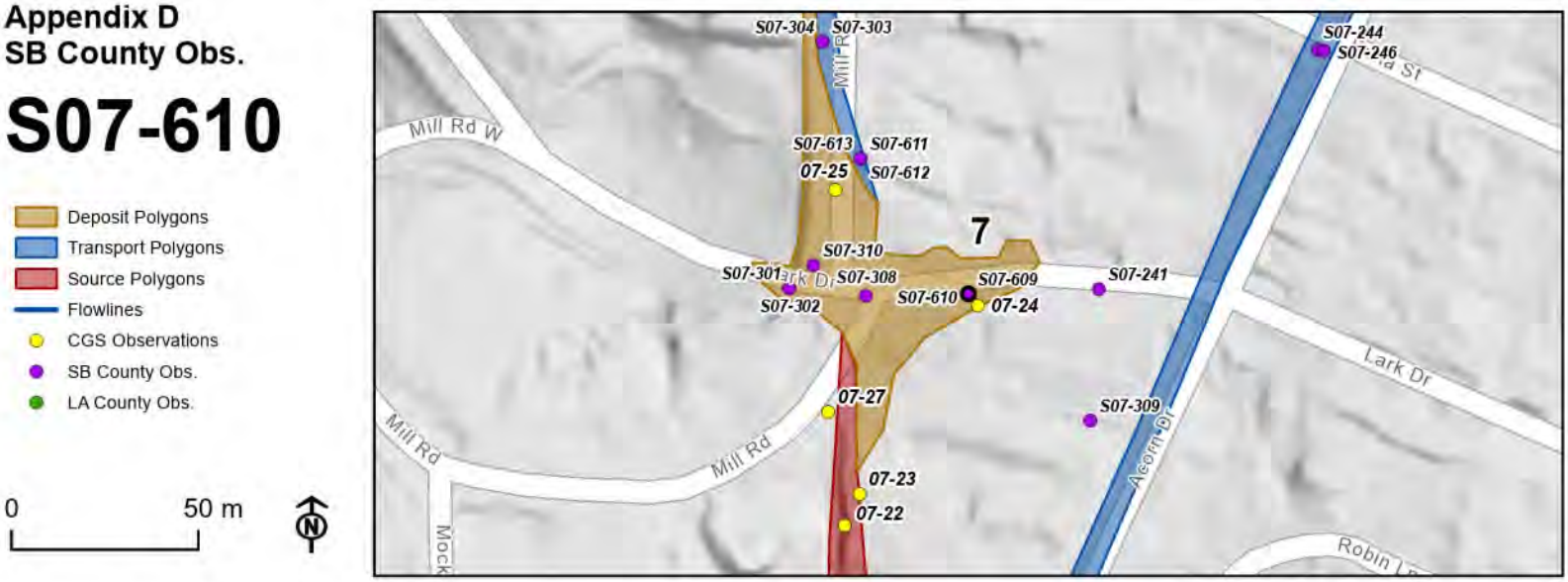
0 50 m

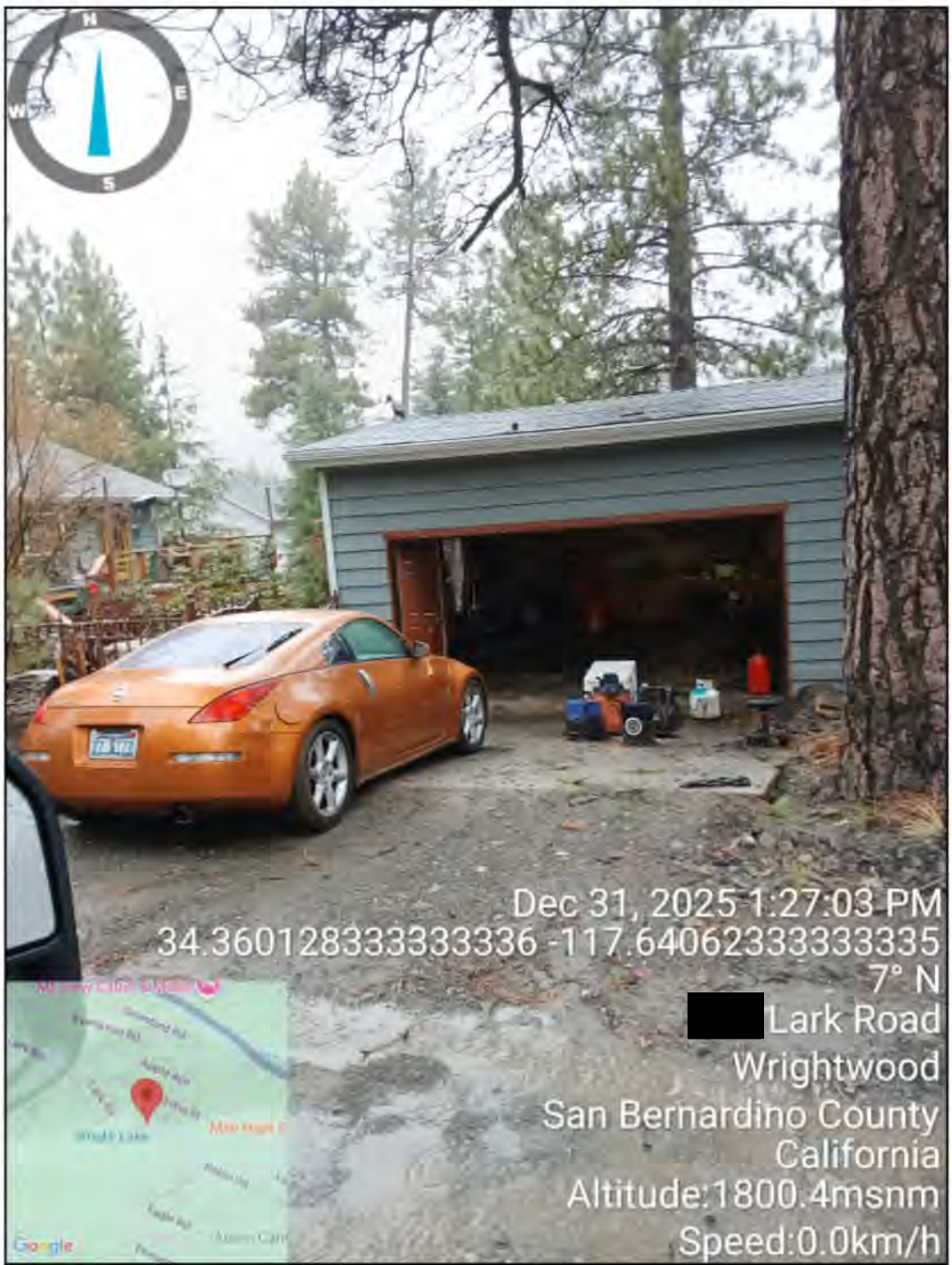




Appendix D
SB County Obs.

S07-610



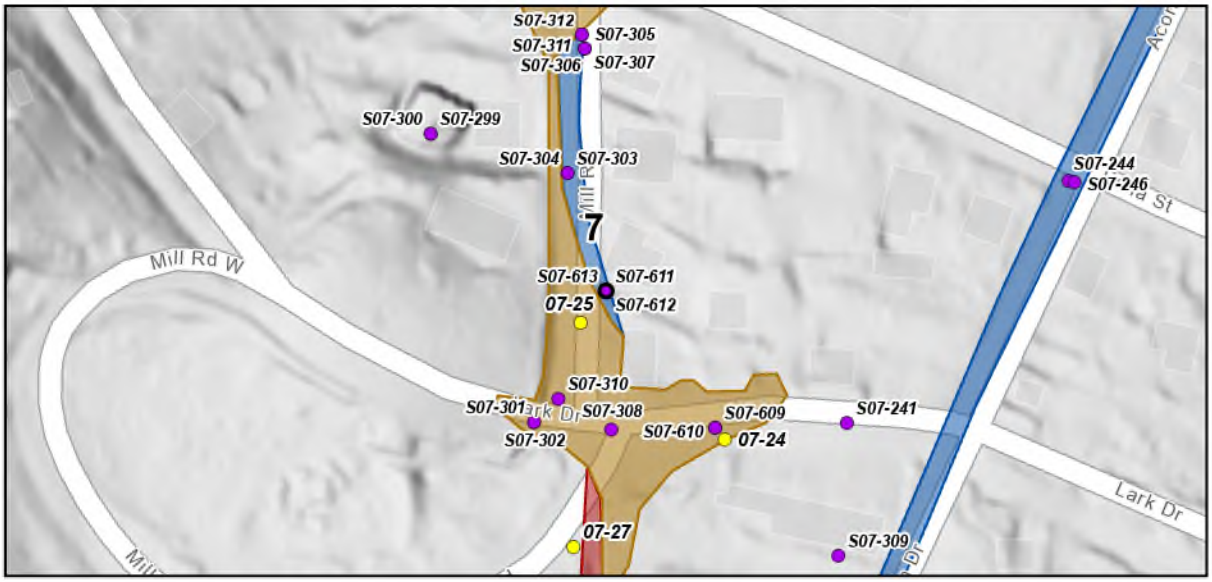


Appendix D
SB County Obs.

S07-611

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 — 50 m



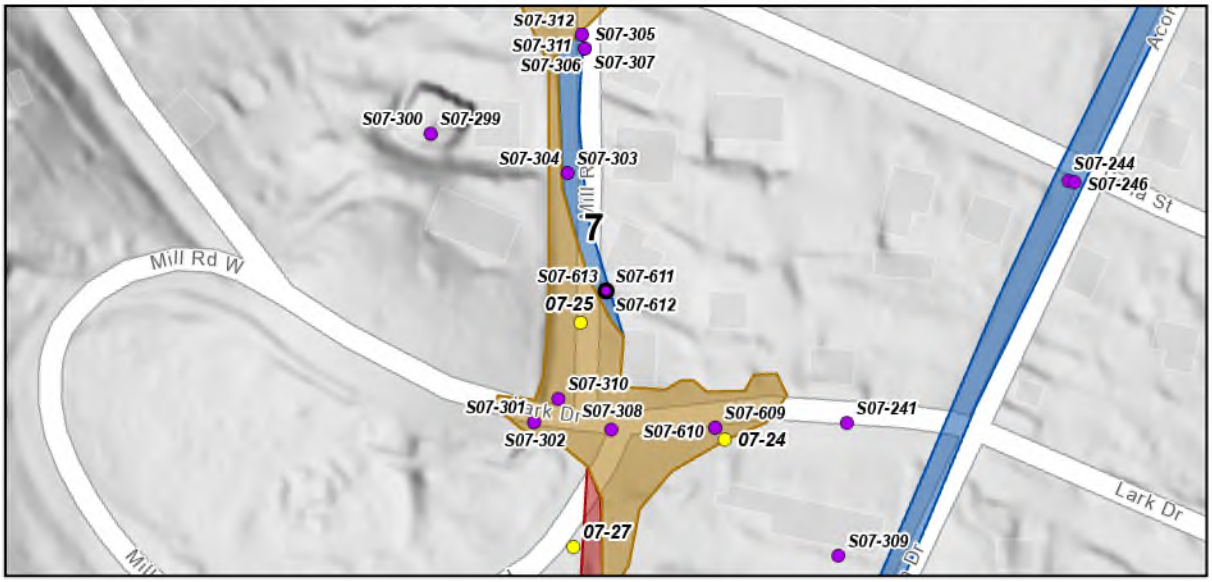


Appendix D
SB County Obs.

S07-612

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



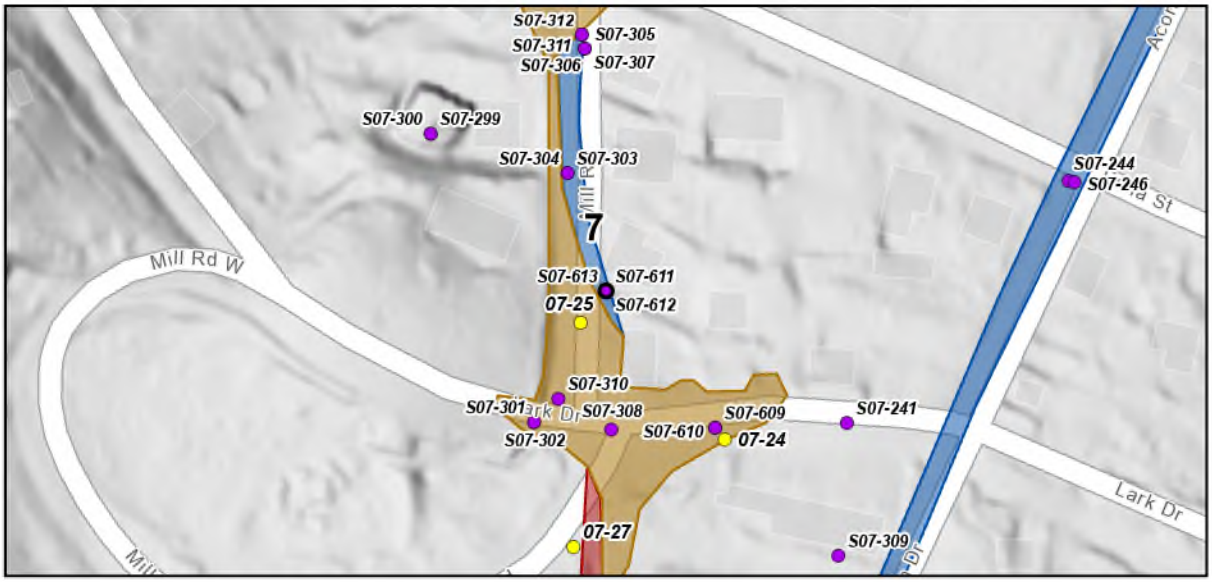


Appendix D
SB County Obs.

S07-613

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

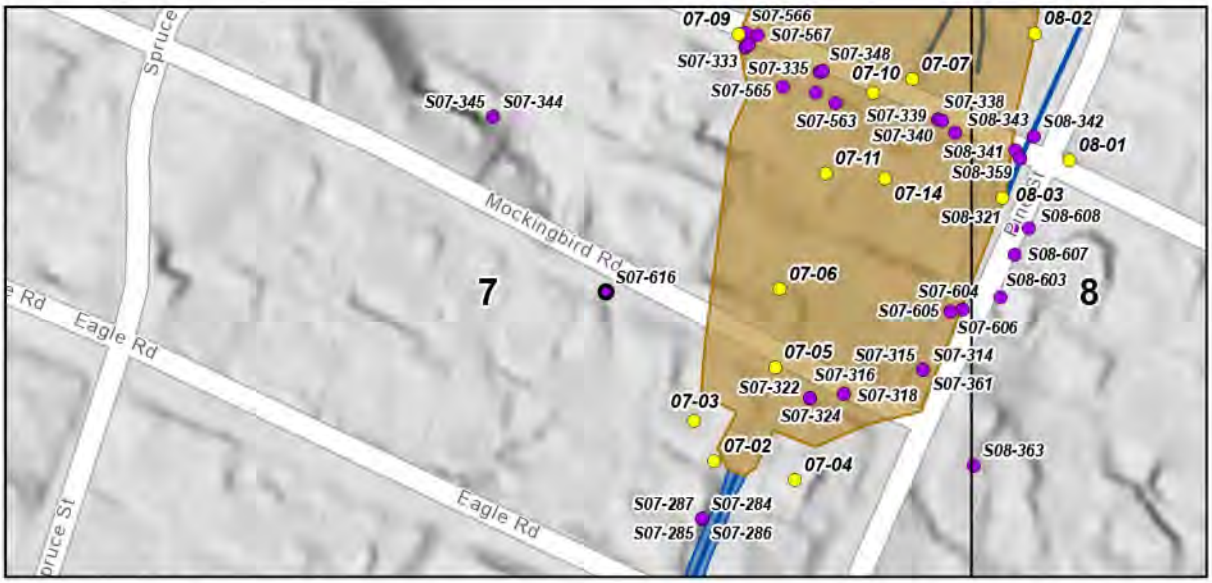
0 50 m





Appendix D
SB County Obs.

S07-616



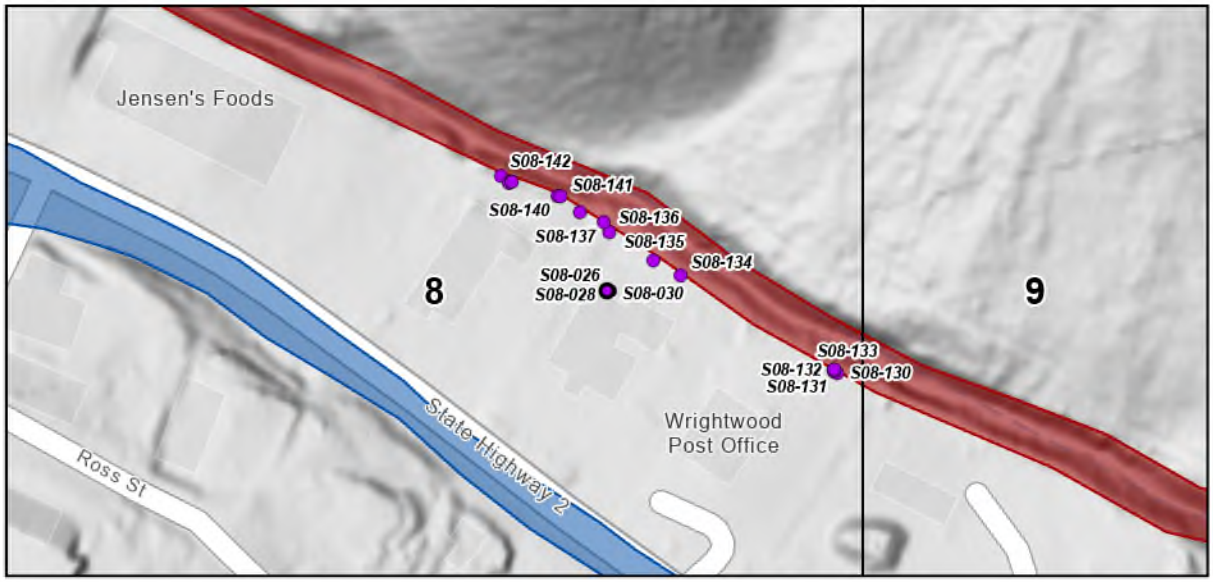


Appendix D
SB County Obs.

S08-026

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



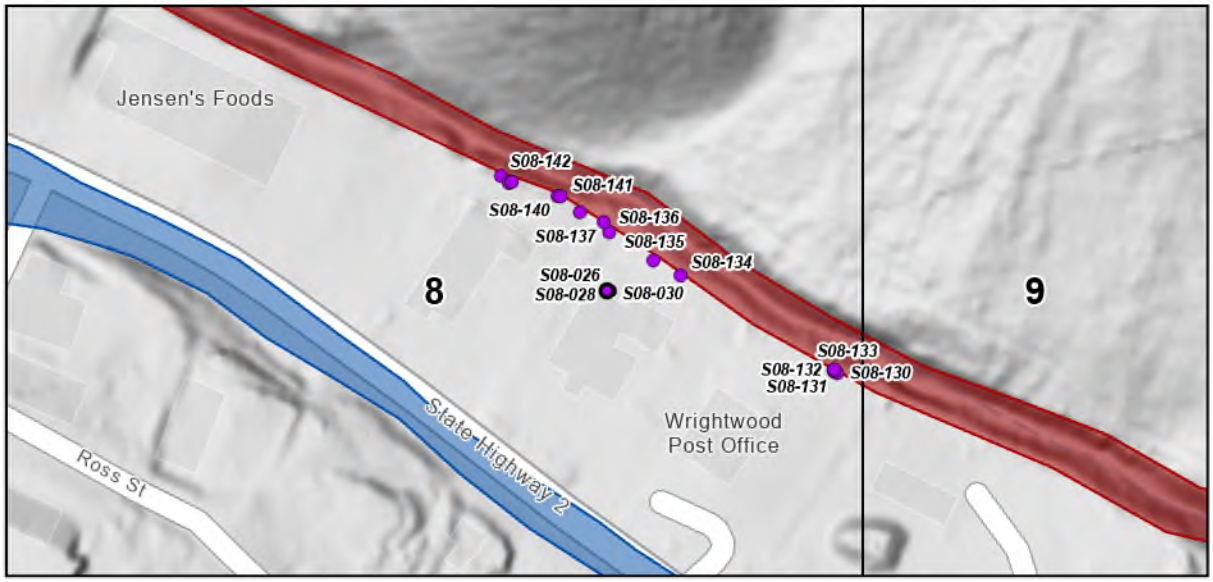


Appendix D
SB County Obs.

S08-027

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



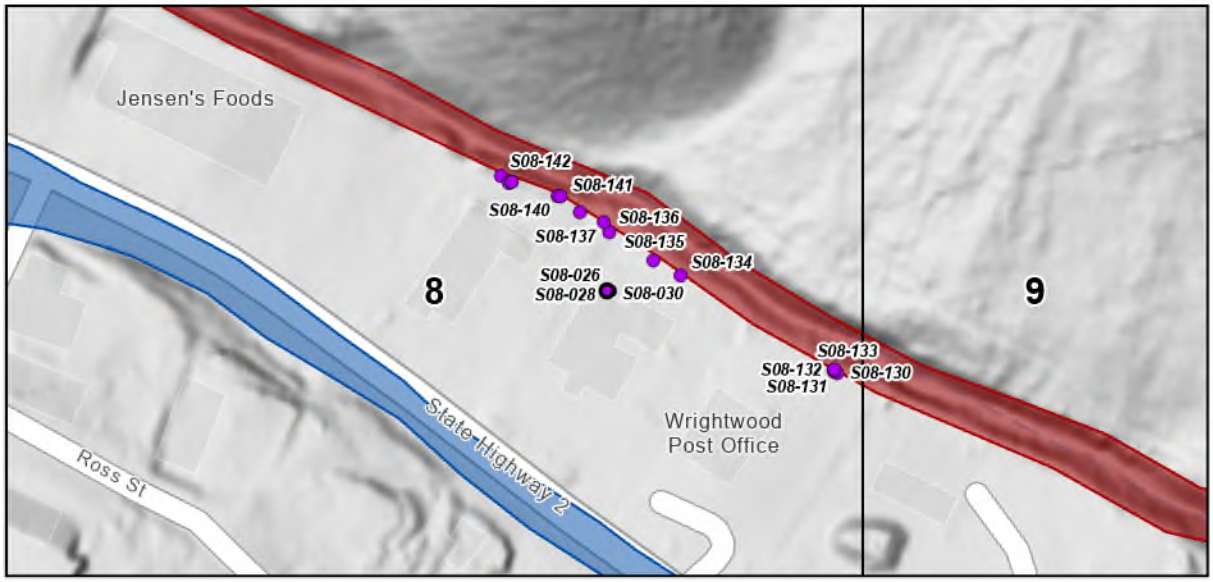


Appendix D
SB County Obs.

S08-028

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



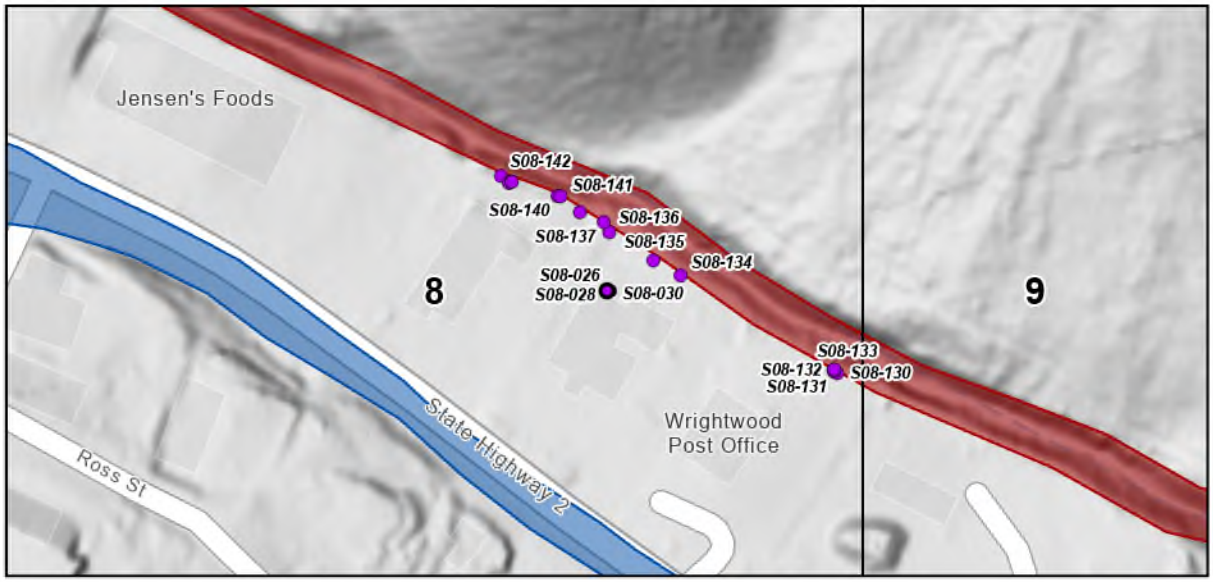


Appendix D
SB County Obs.

S08-029

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



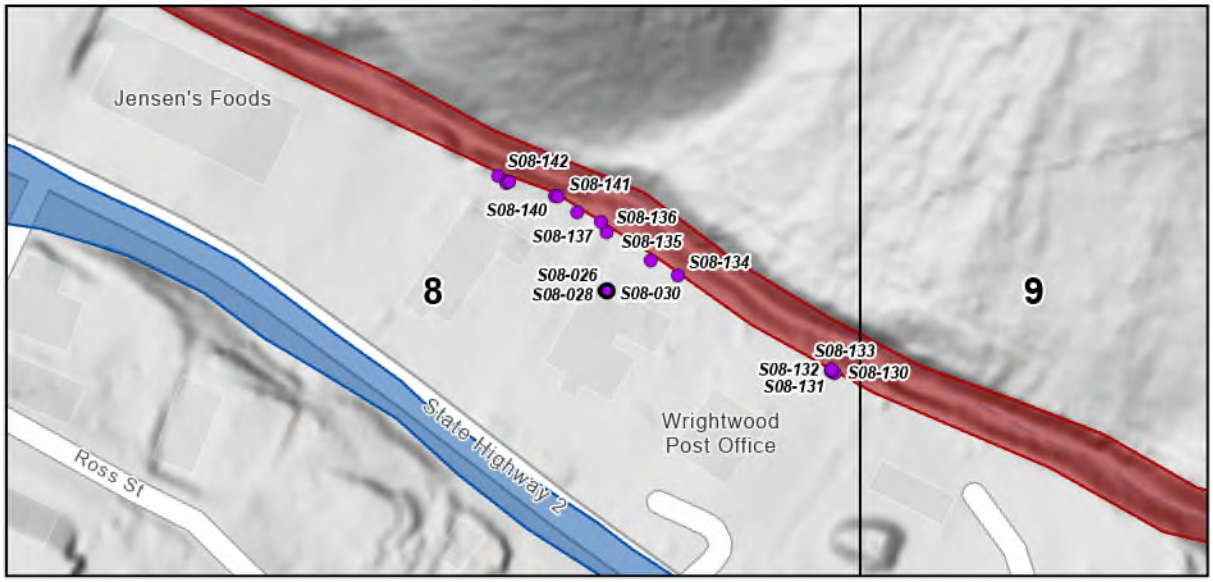


Appendix D
SB County Obs.

S08-030

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



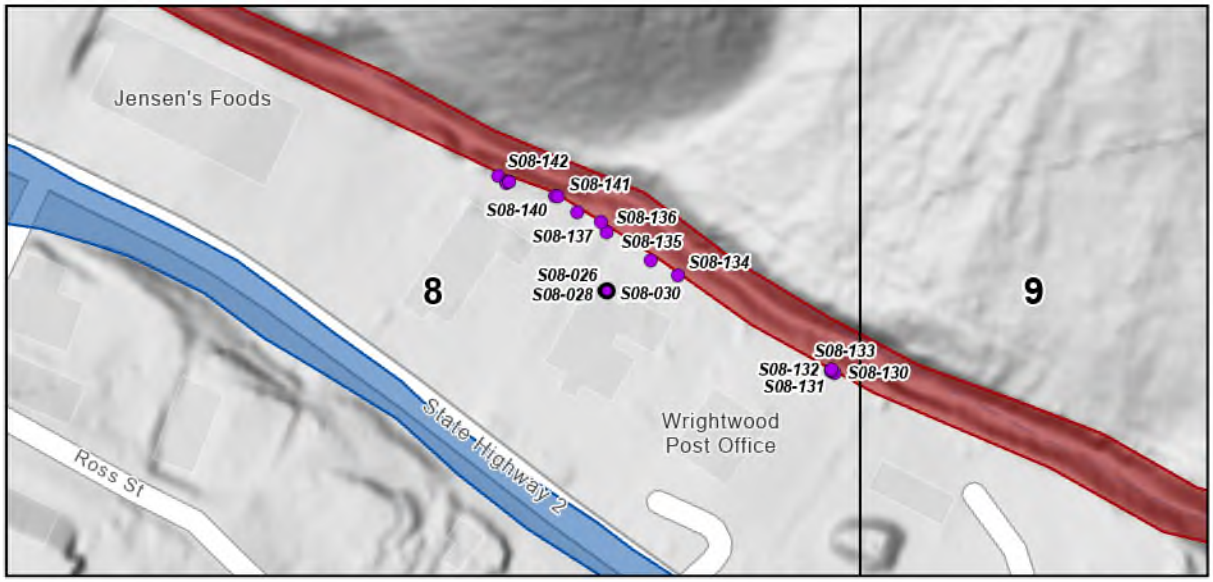


Appendix D
SB County Obs.

S08-031

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



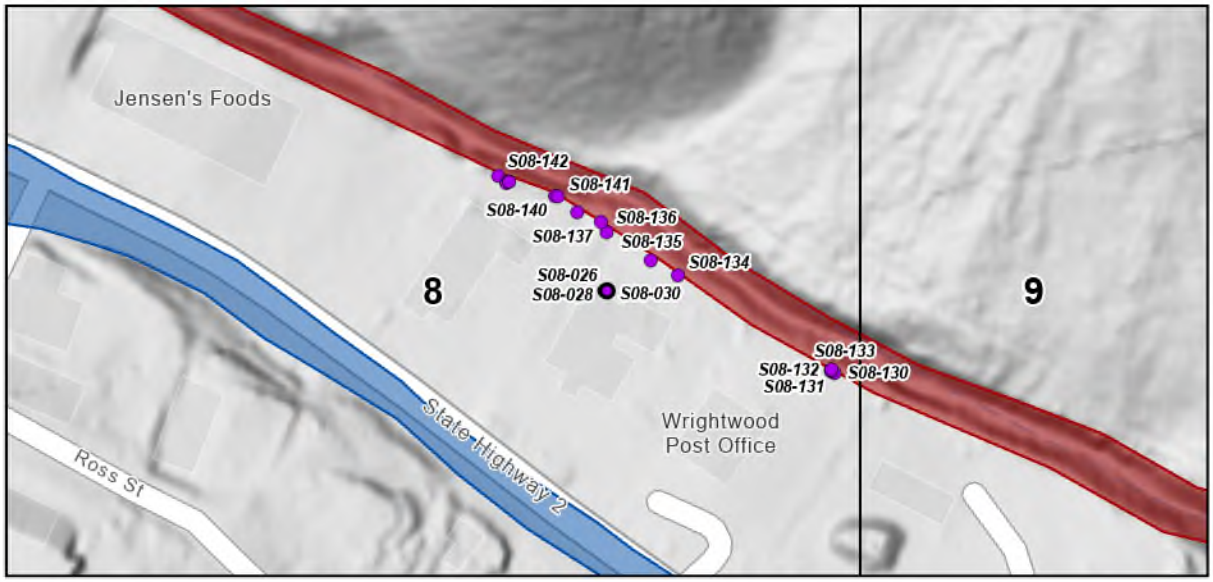


Appendix D
SB County Obs.

S08-032

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



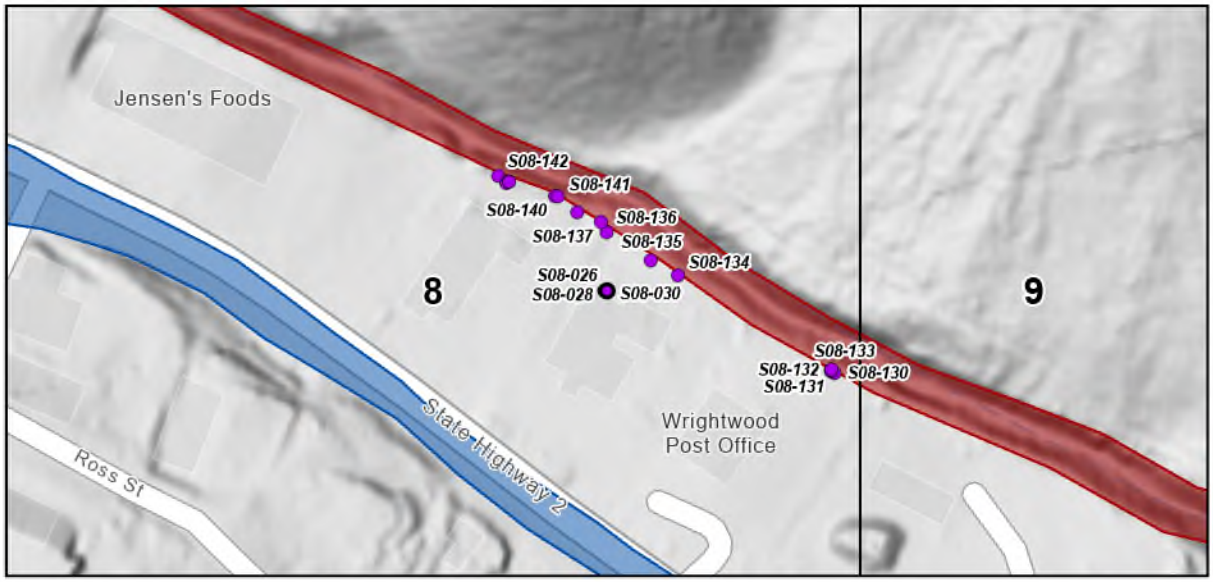


Appendix D
SB County Obs.

S08-033

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S08-034



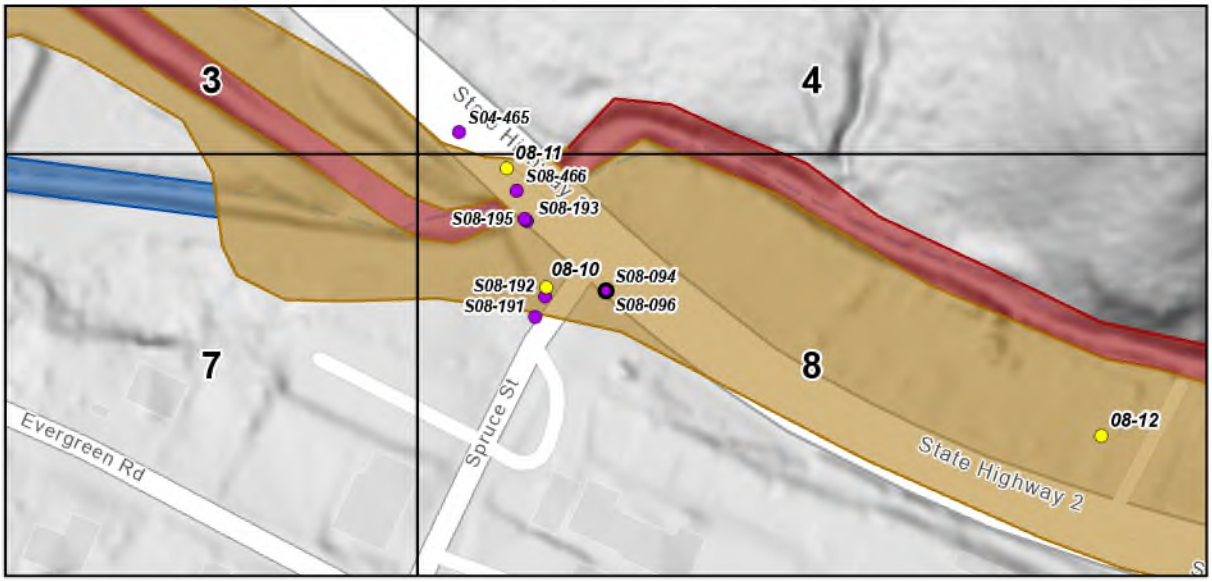


Appendix D
SB County Obs.

S08-094

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



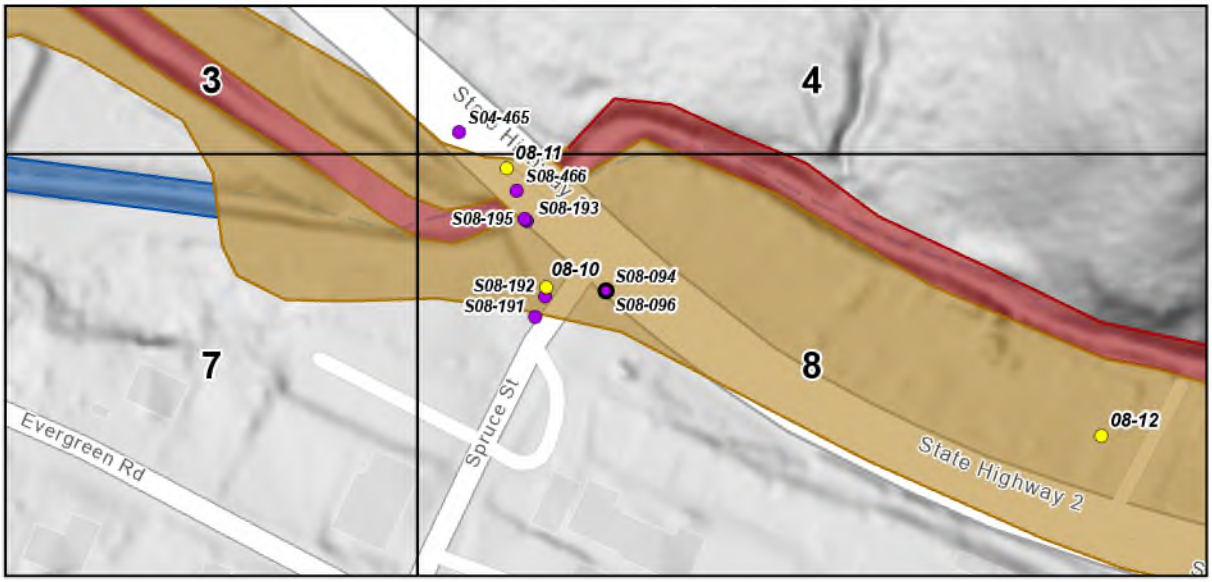


Appendix D
SB County Obs.

S08-095

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



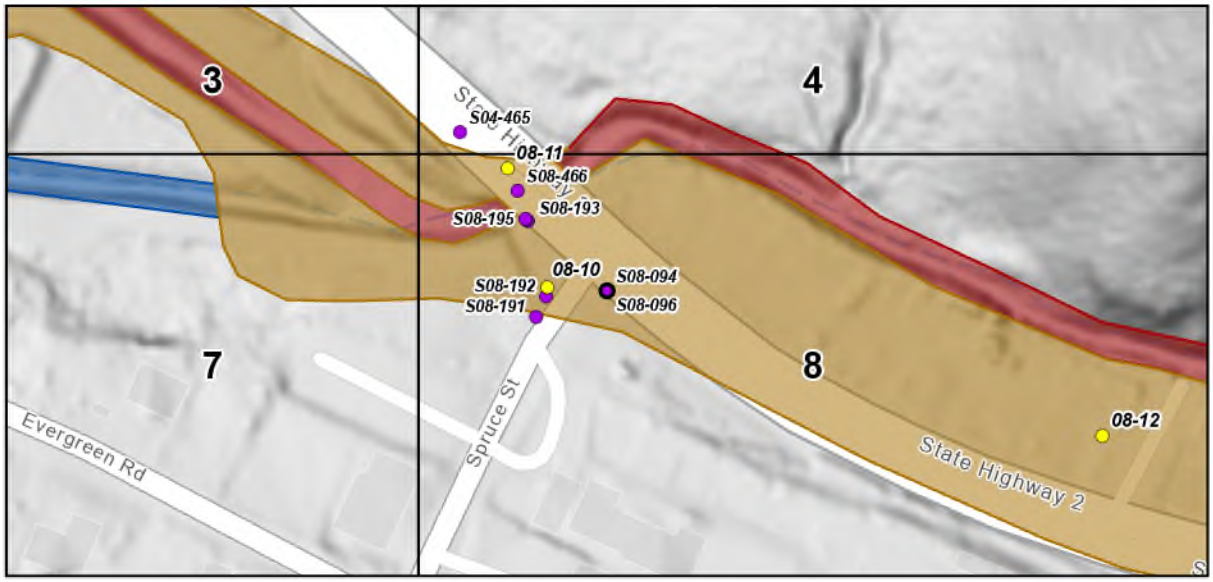


Appendix D
SB County Obs.

S08-096

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



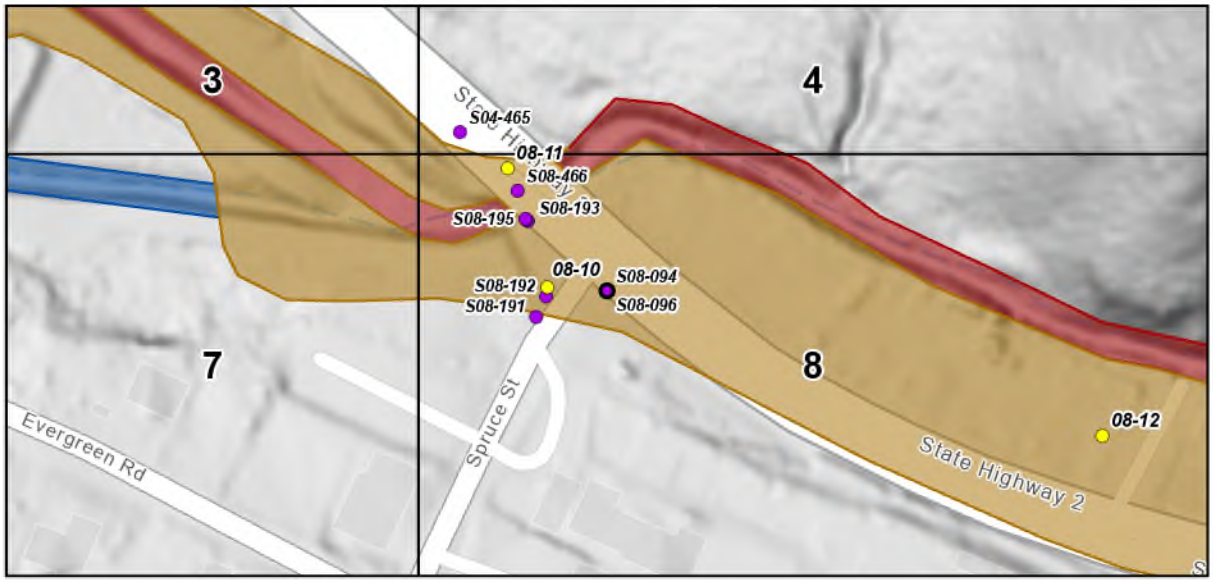


Appendix D
SB County Obs.

S08-097

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



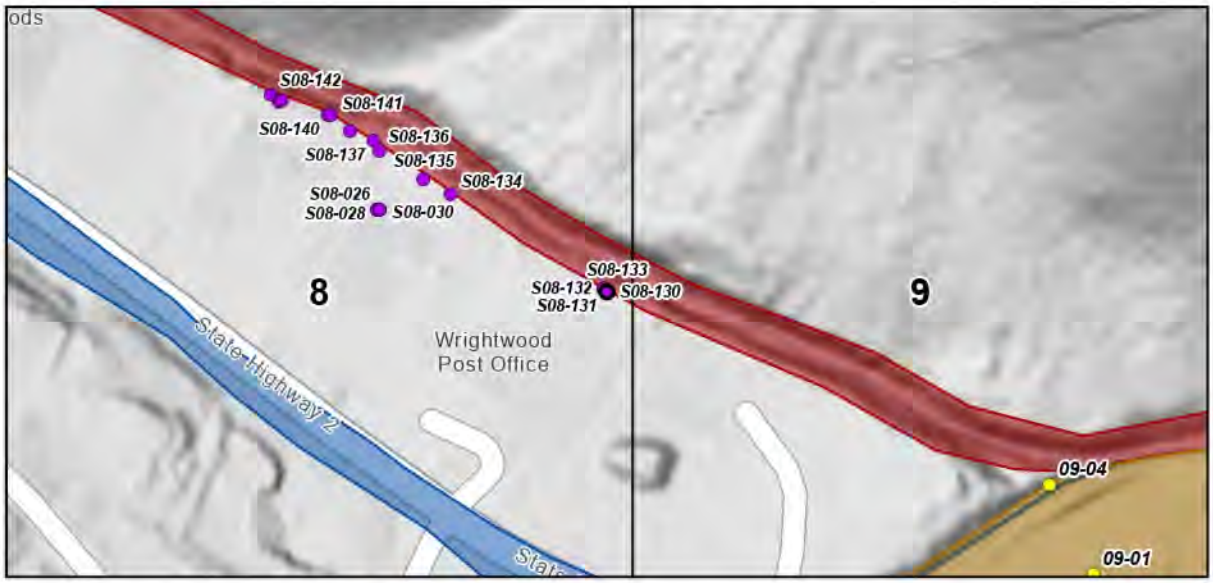


Appendix D
SB County Obs.

S08-130

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



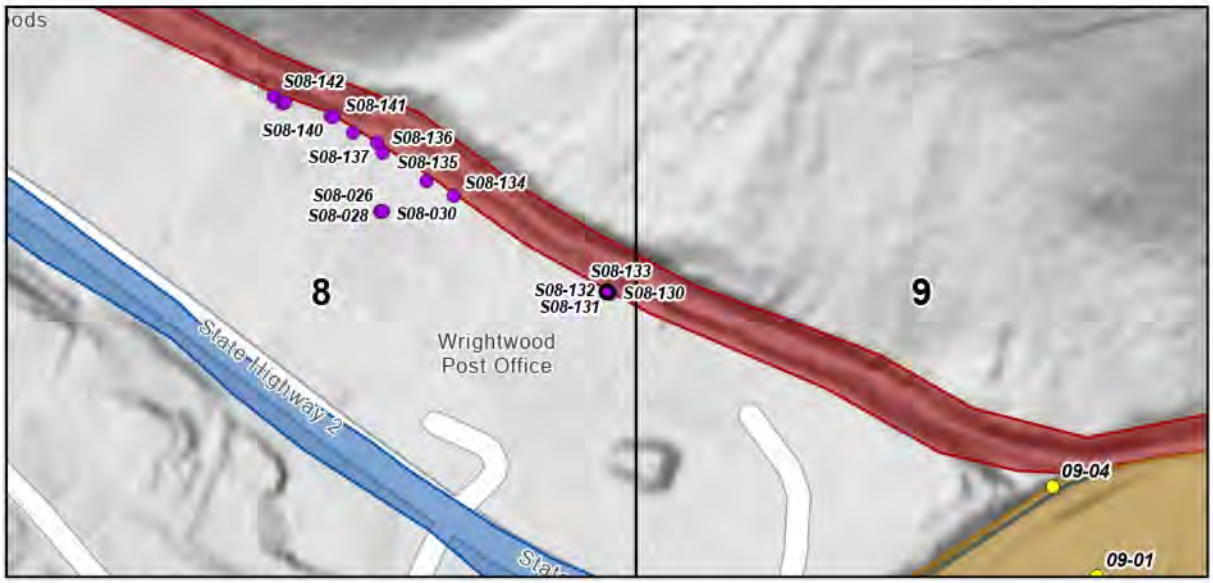


Appendix D
SB County Obs.

S08-131

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

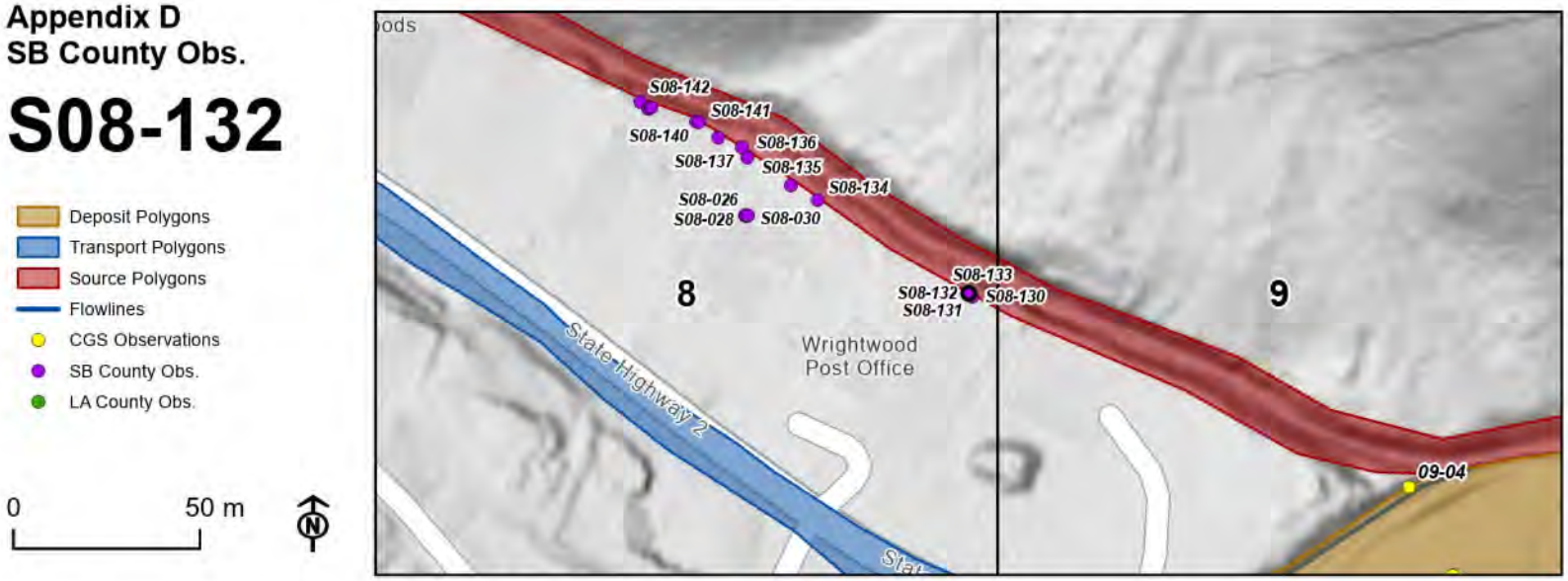
0 50 m





Appendix D
SB County Obs.

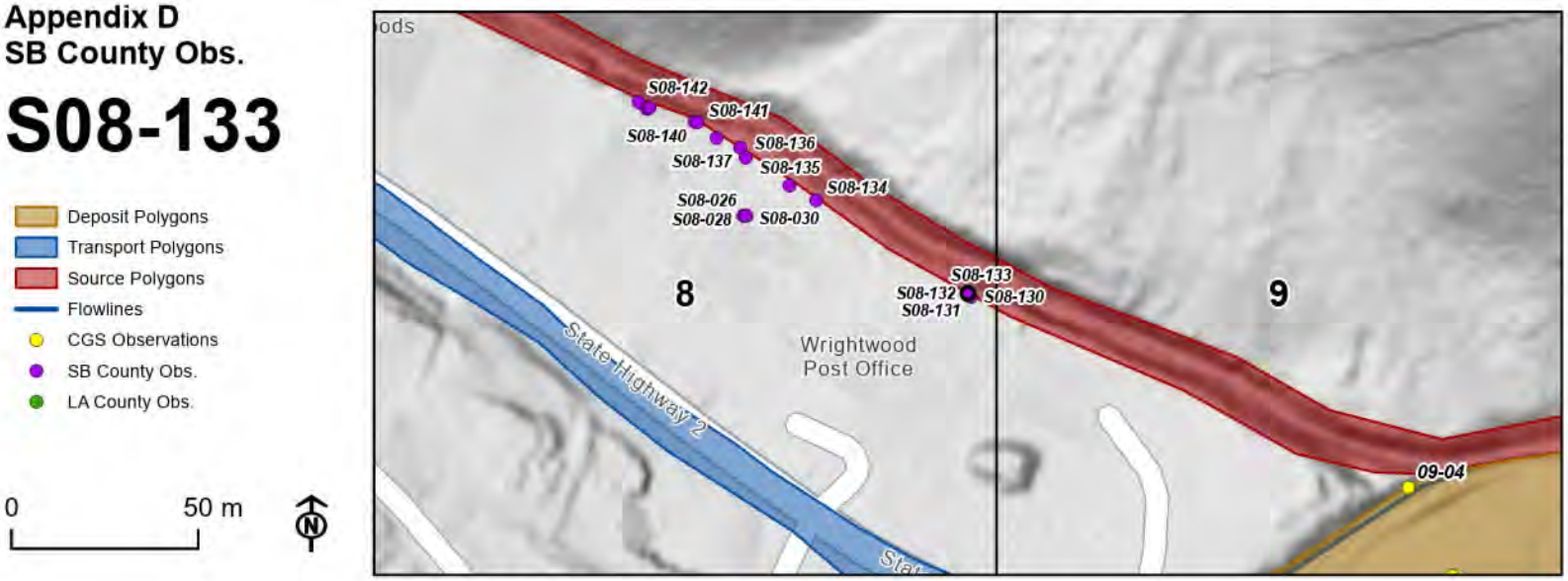
S08-132





Appendix D
SB County Obs.

S08-133



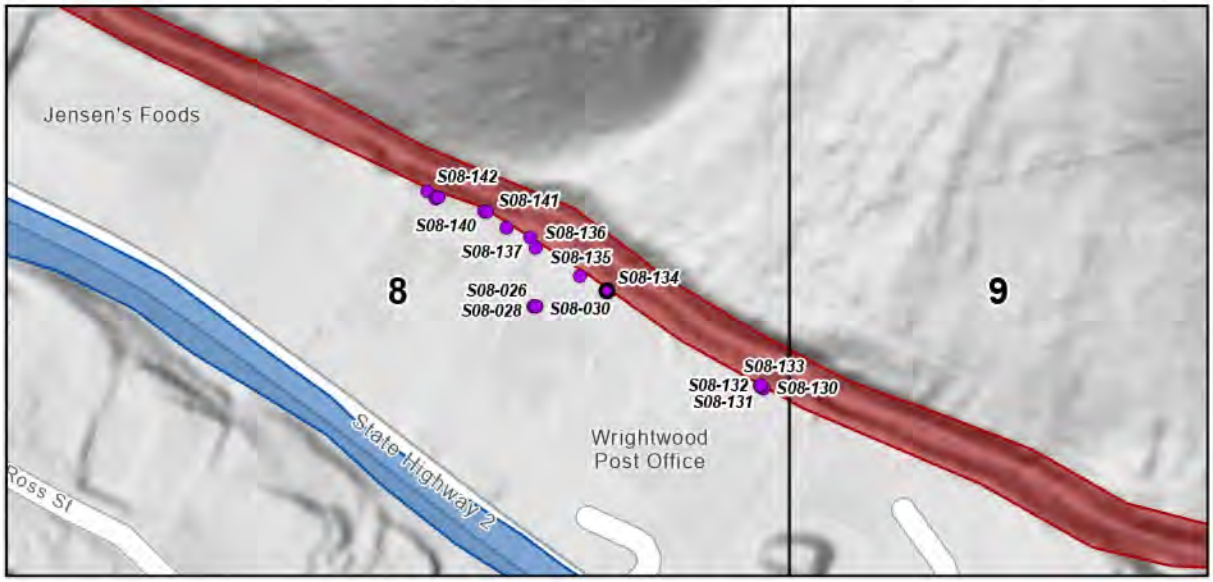


Appendix D
SB County Obs.

S08-134

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S08-135





Appendix D
SB County Obs.

S08-136



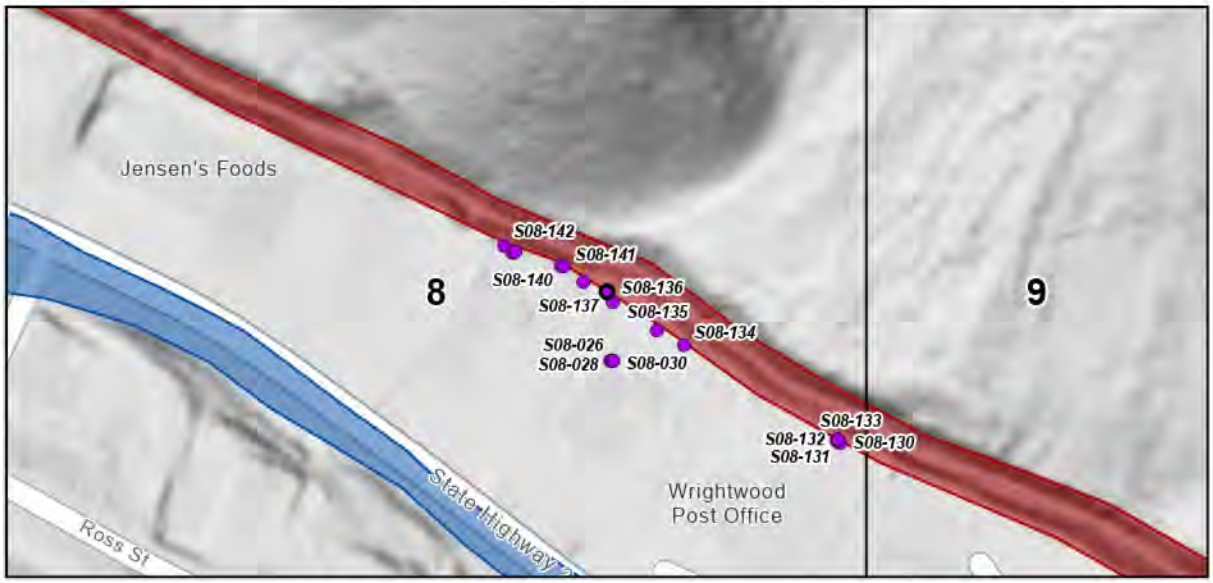


Appendix D
SB County Obs.

S08-137

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

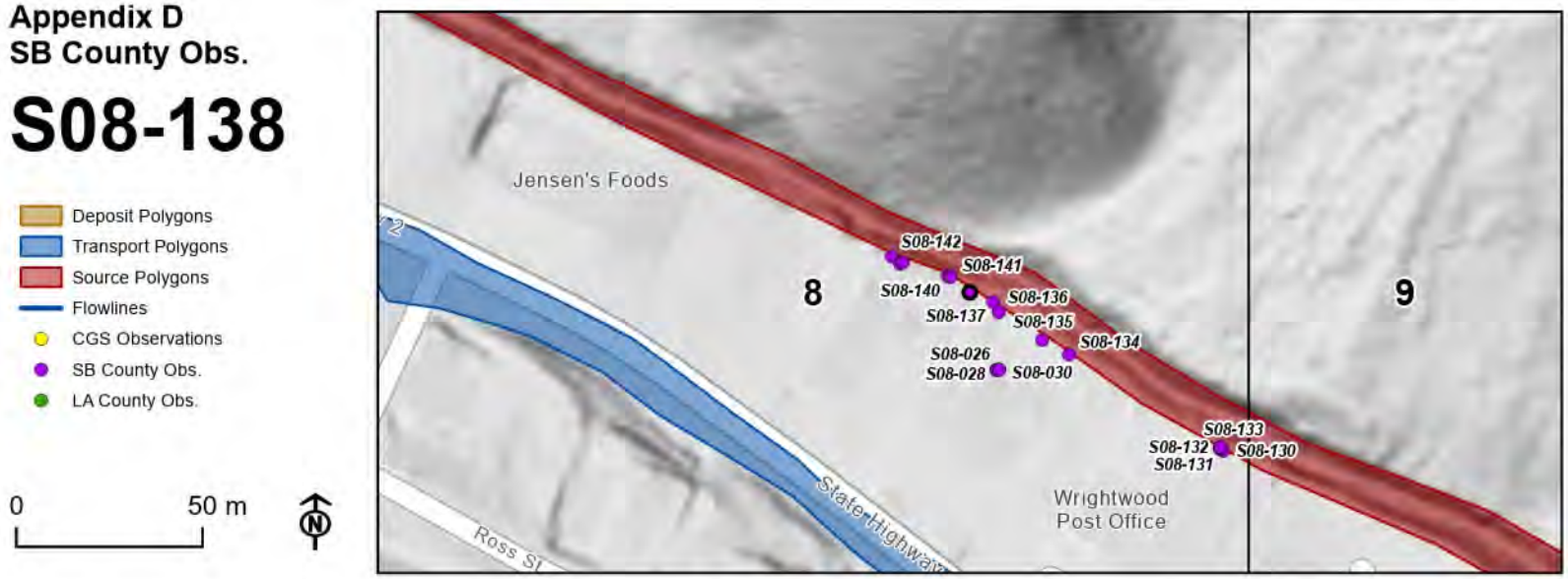
0 50 m





Appendix D
SB County Obs.

S08-138



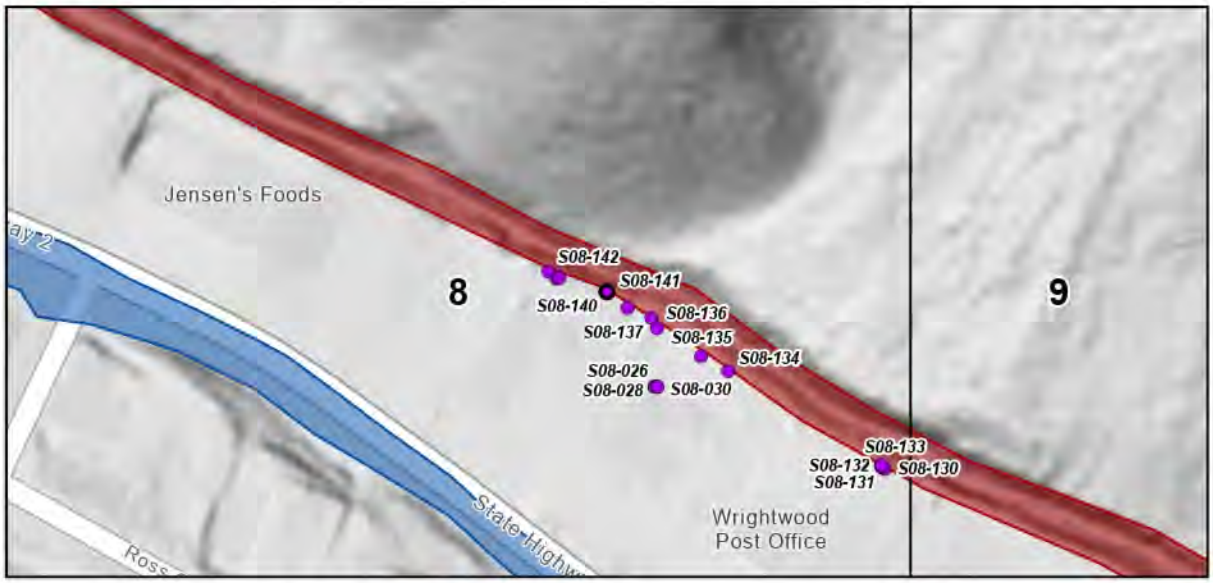


Appendix D
SB County Obs.

S08-139

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



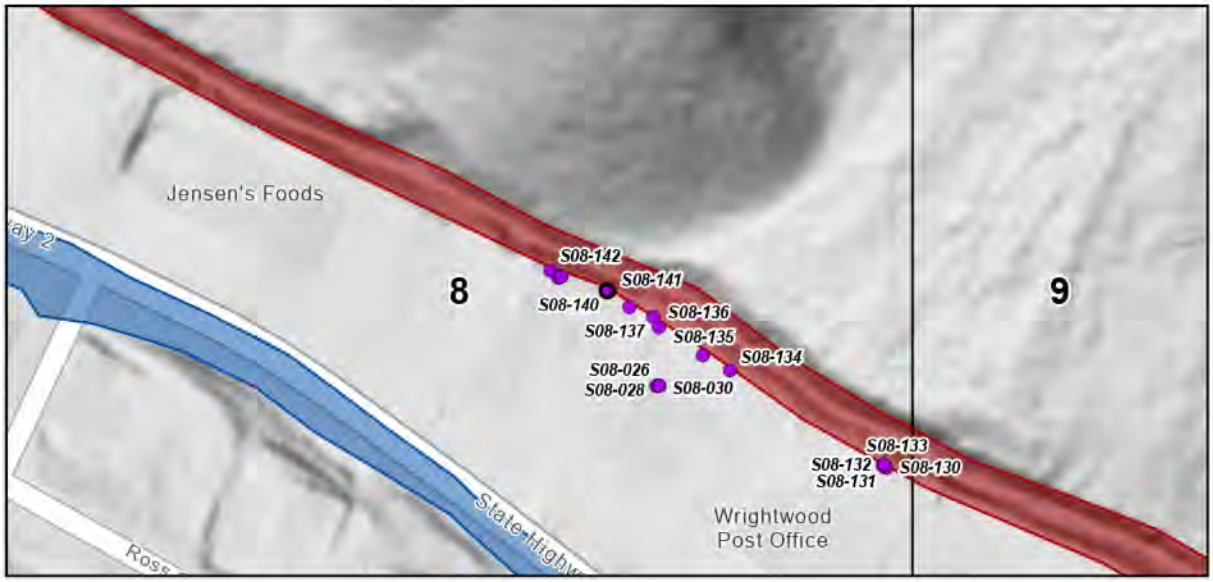


Appendix D
SB County Obs.

S08-140

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

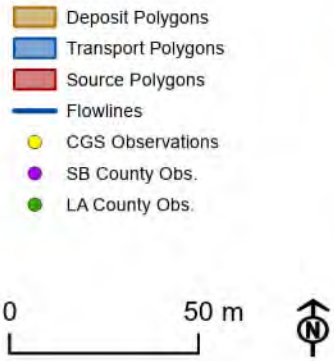
S08-141

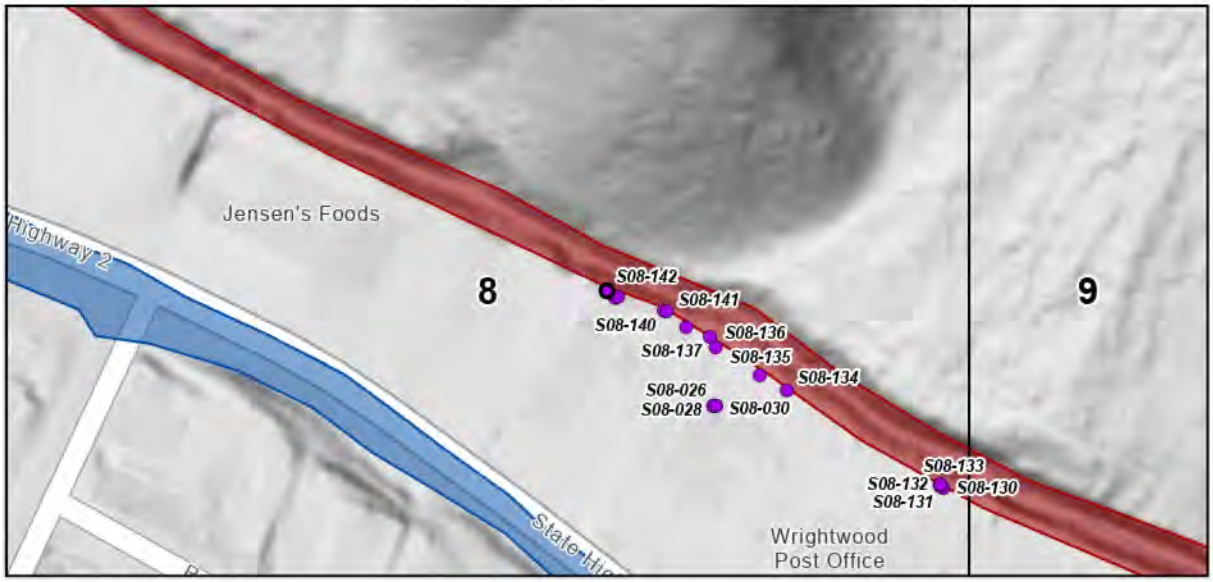




Appendix D
SB County Obs.

S08-142

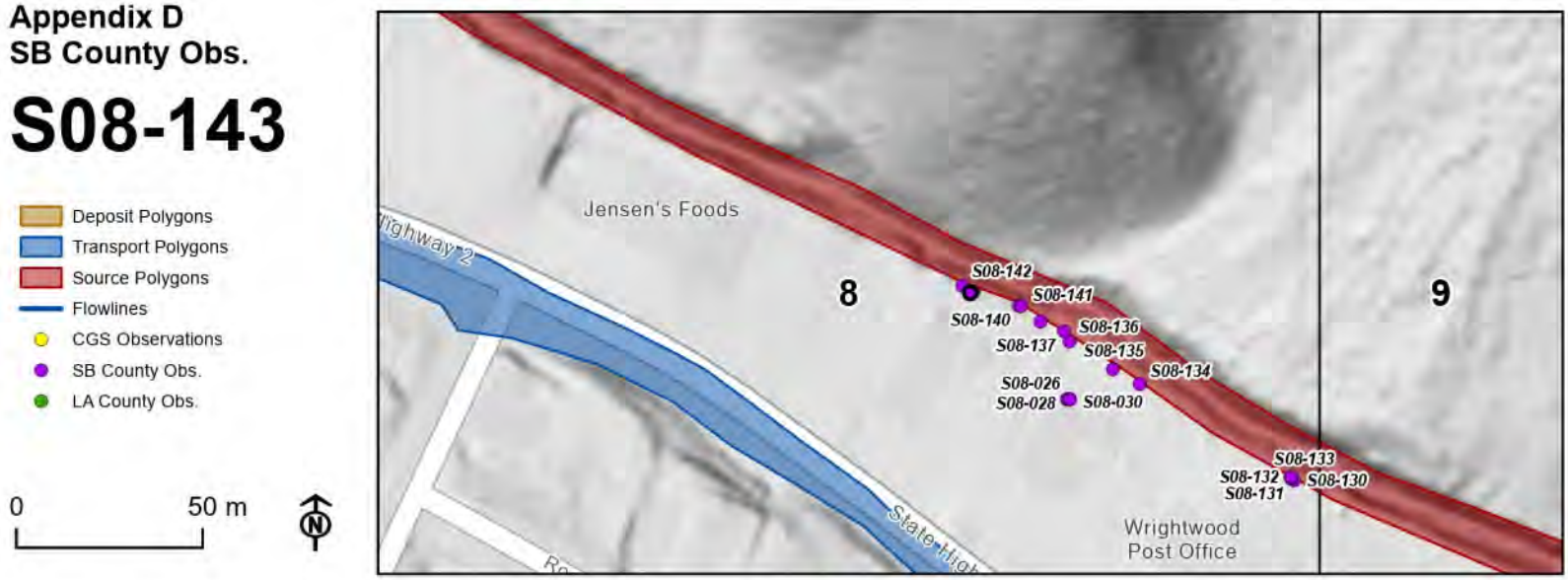






Appendix D
SB County Obs.

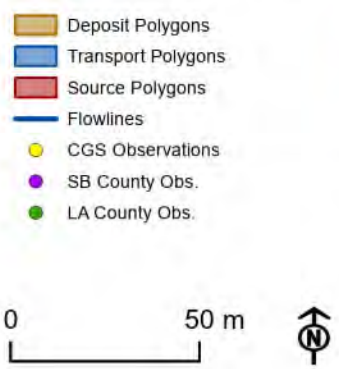
S08-143





Appendix D
SB County Obs.

S08-144

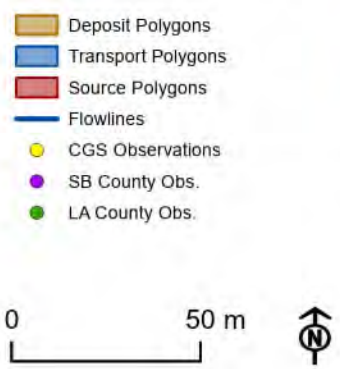






Appendix D
SB County Obs.

S08-145

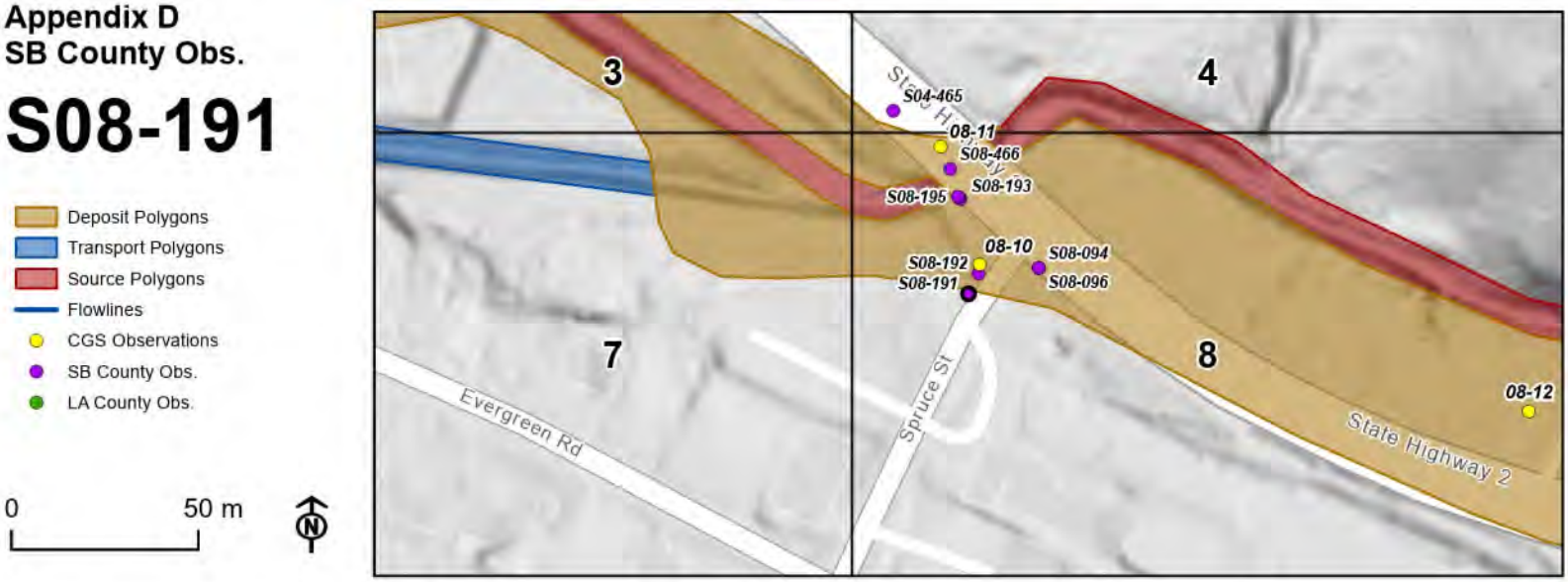






Appendix D
SB County Obs.

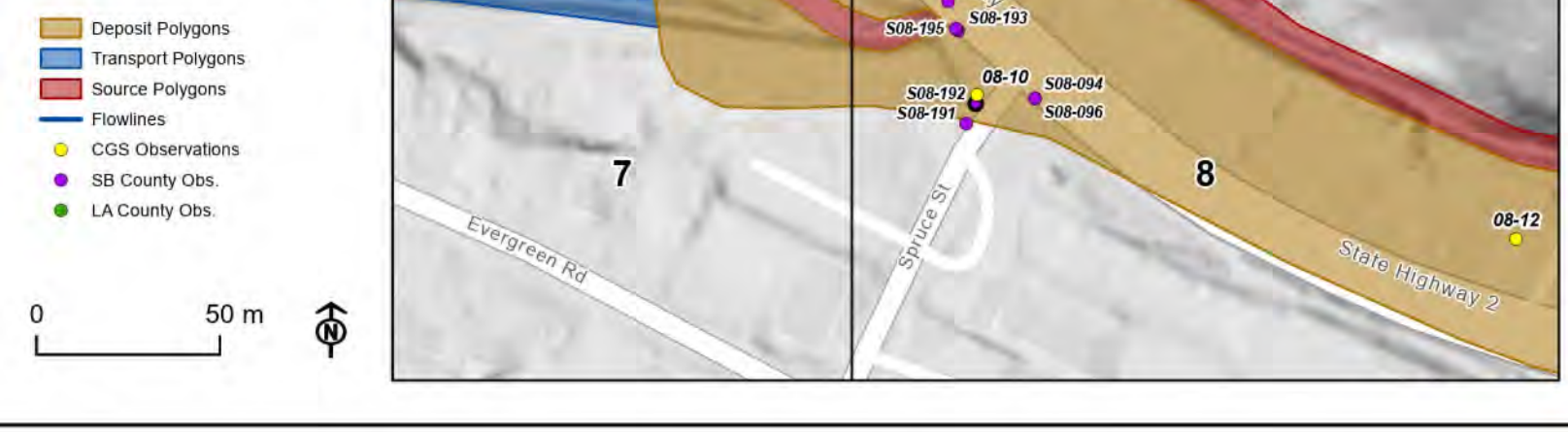
S08-191





Appendix D
SB County Obs.

S08-192





Appendix D
SB County Obs.

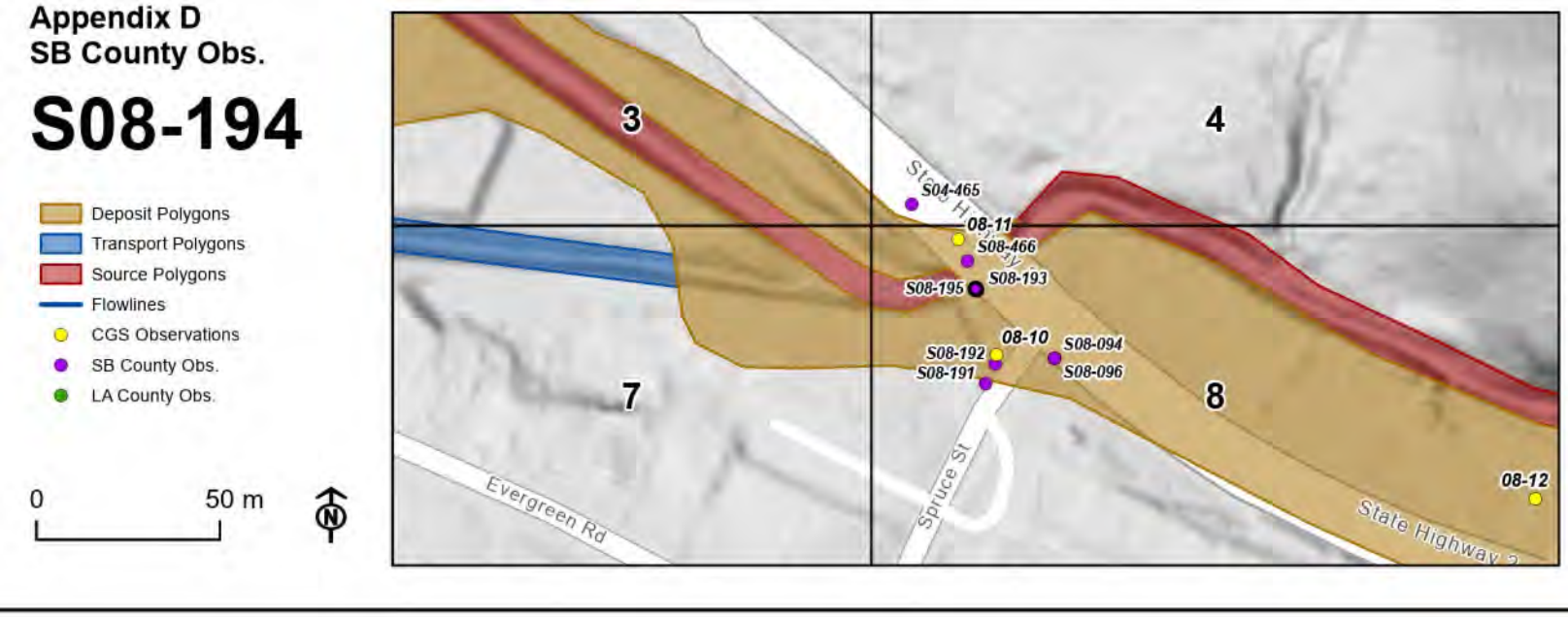
S08-193





Appendix D
SB County Obs.

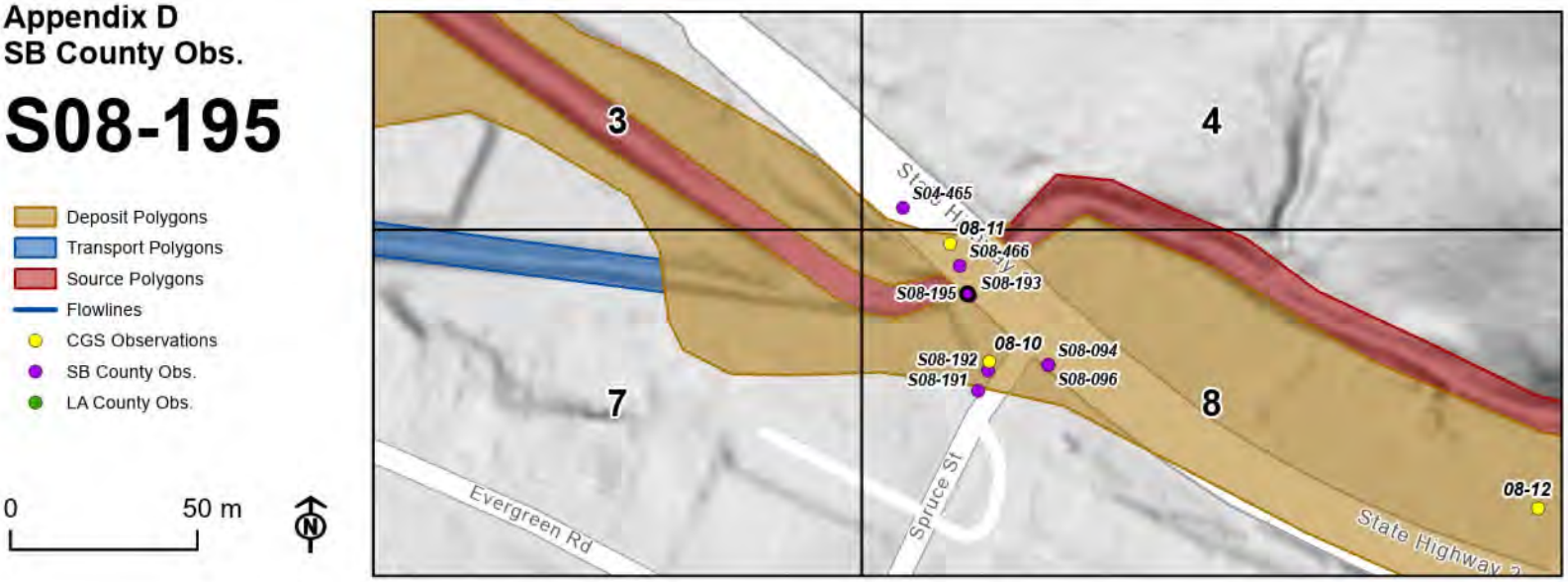
S08-194





Appendix D
SB County Obs.

S08-195





Appendix D
SB County Obs.

S08-245

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



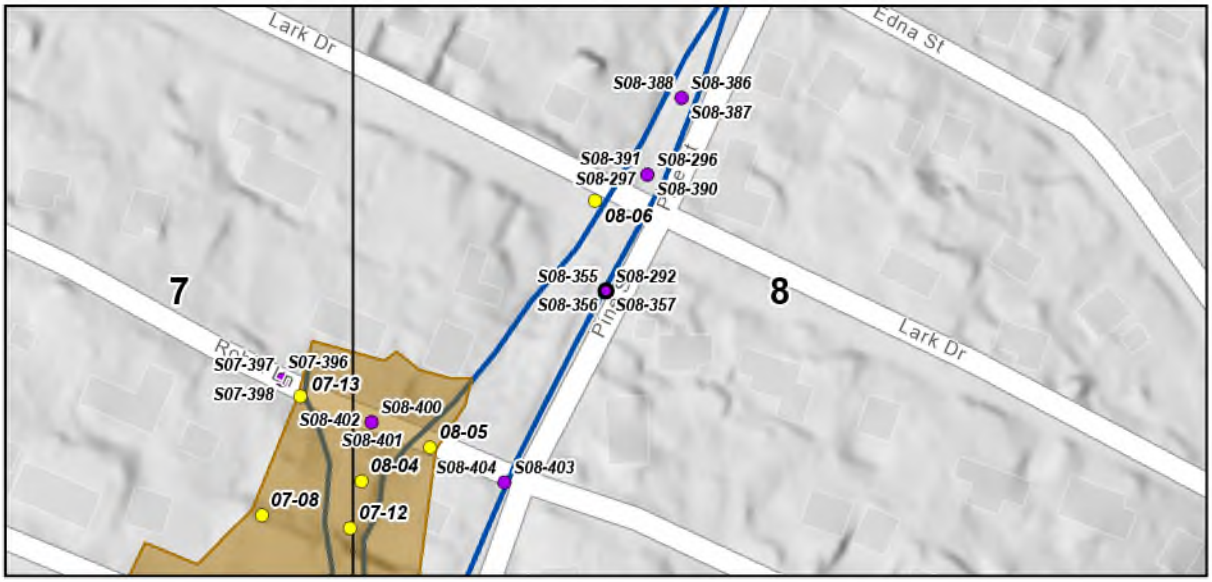


Appendix D
SB County Obs.

S08-292

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

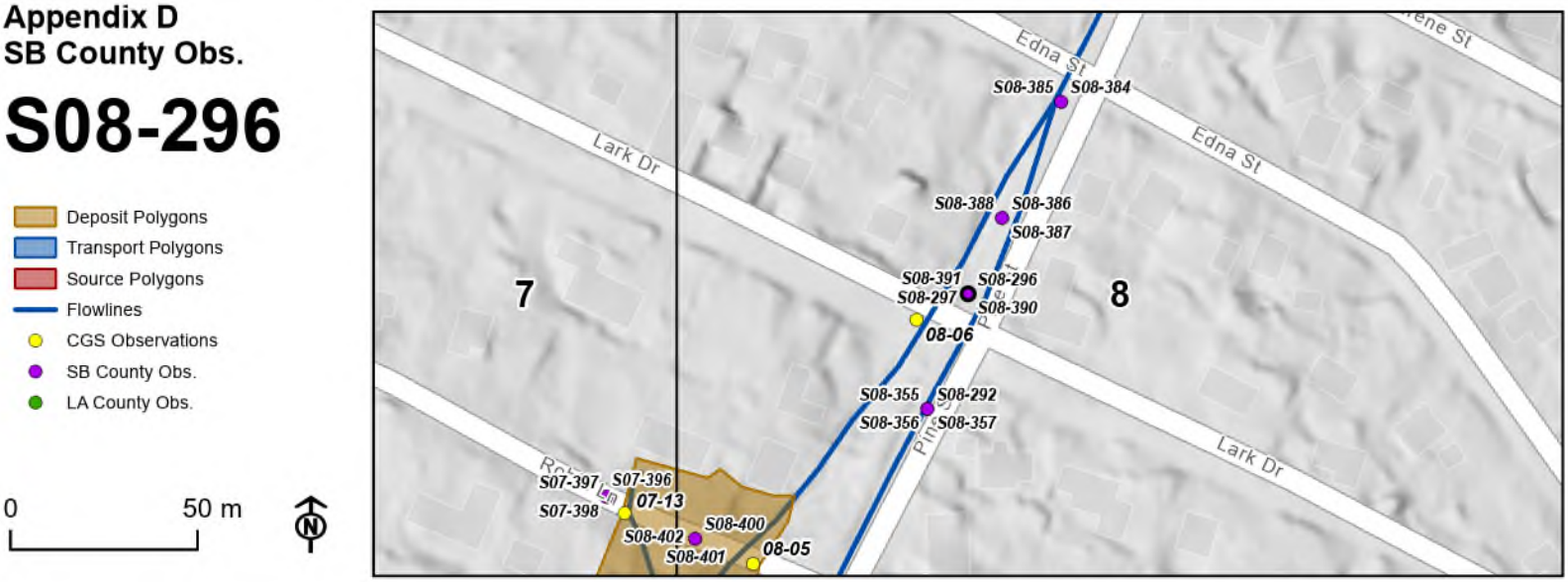
0 50 m





Appendix D
SB County Obs.

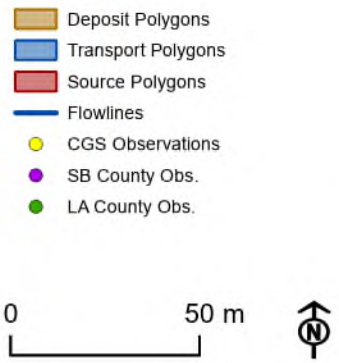
S08-296

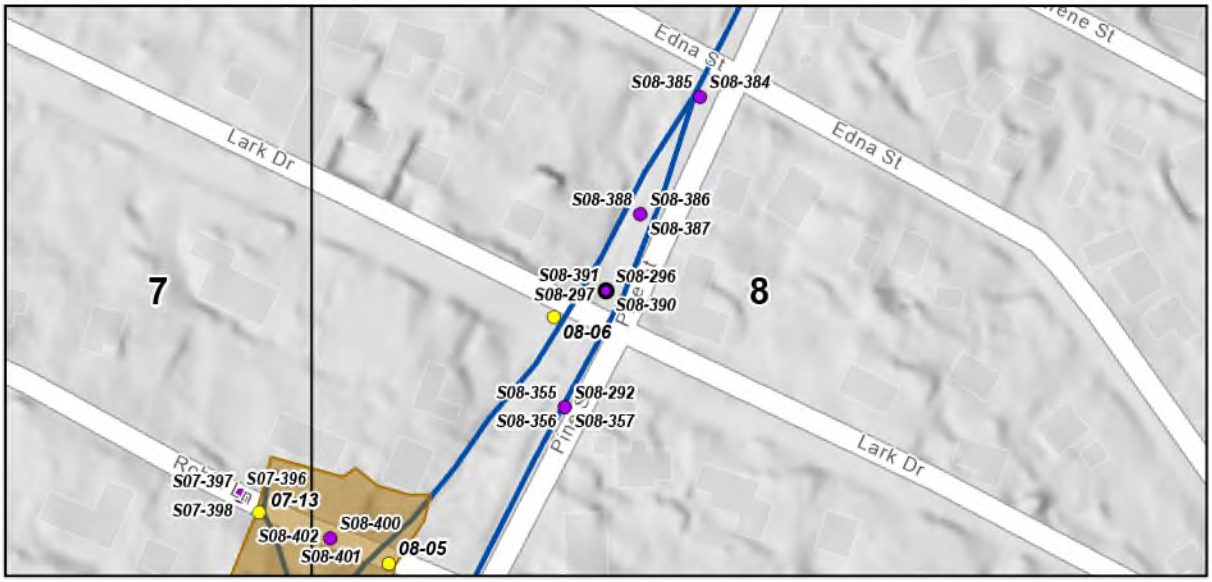




Appendix D
SB County Obs.

S08-297





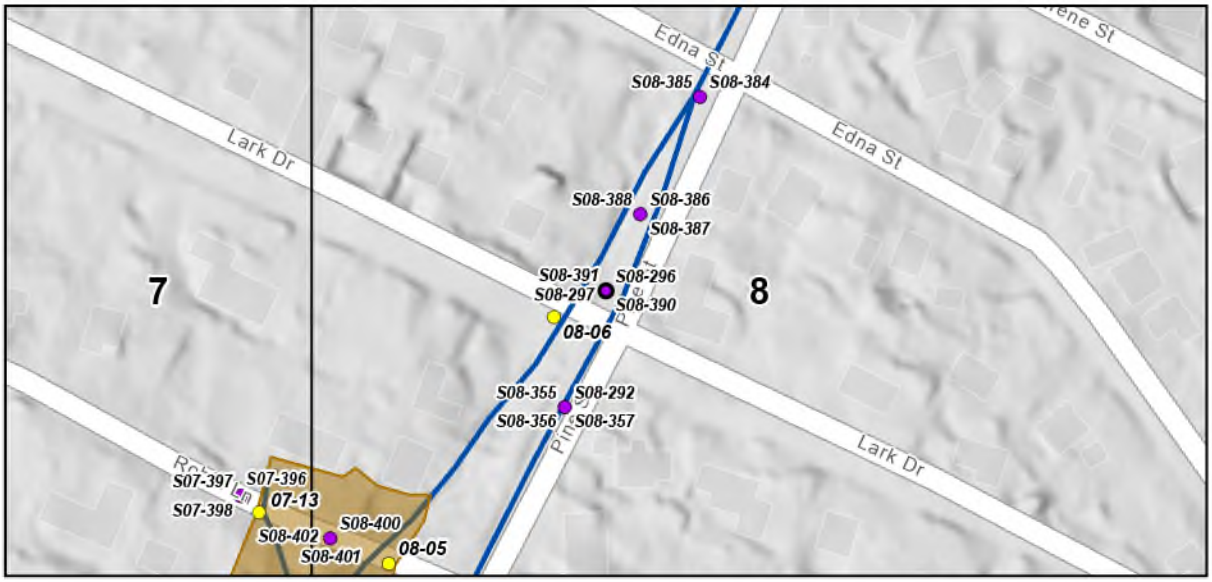


Appendix D
SB County Obs.

S08-298

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



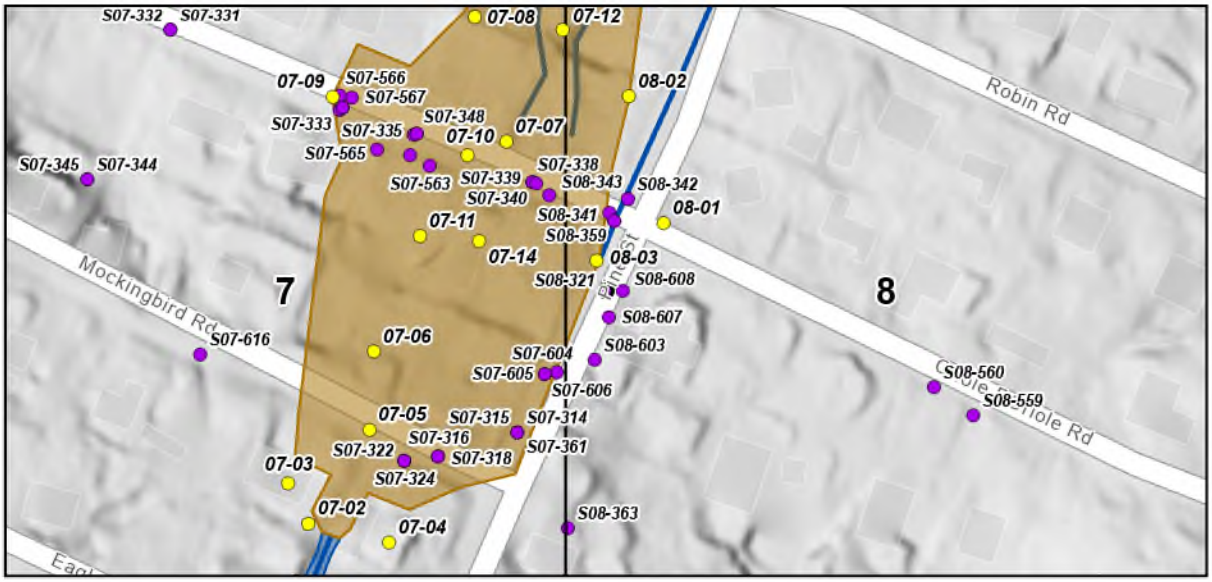


Appendix D
SB County Obs.

S08-321

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



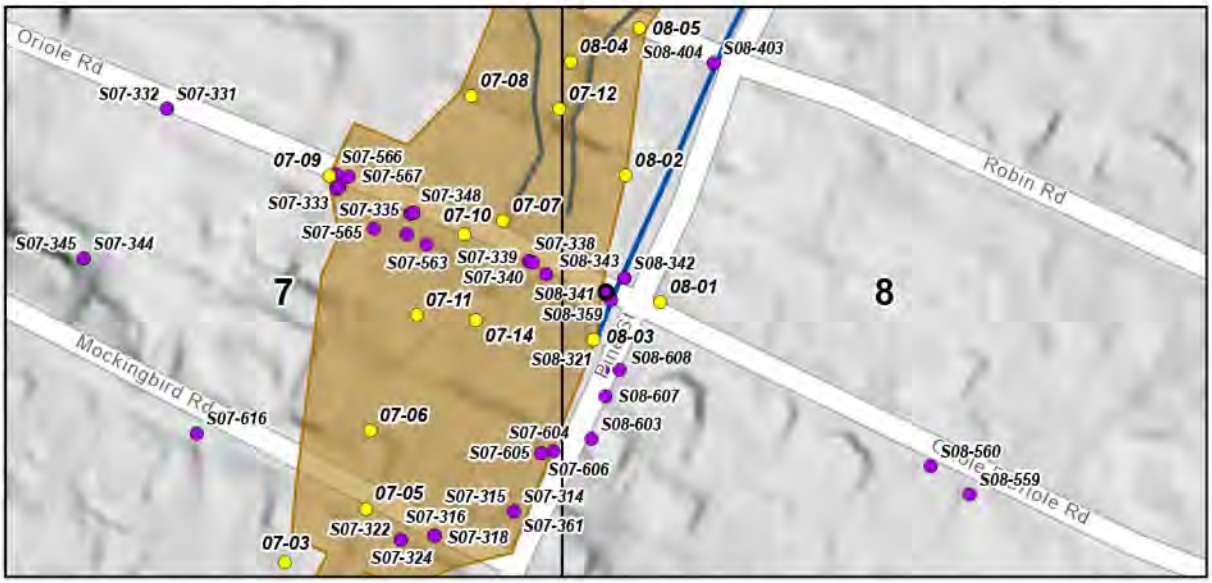


Appendix D
SB County Obs.

S08-341

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



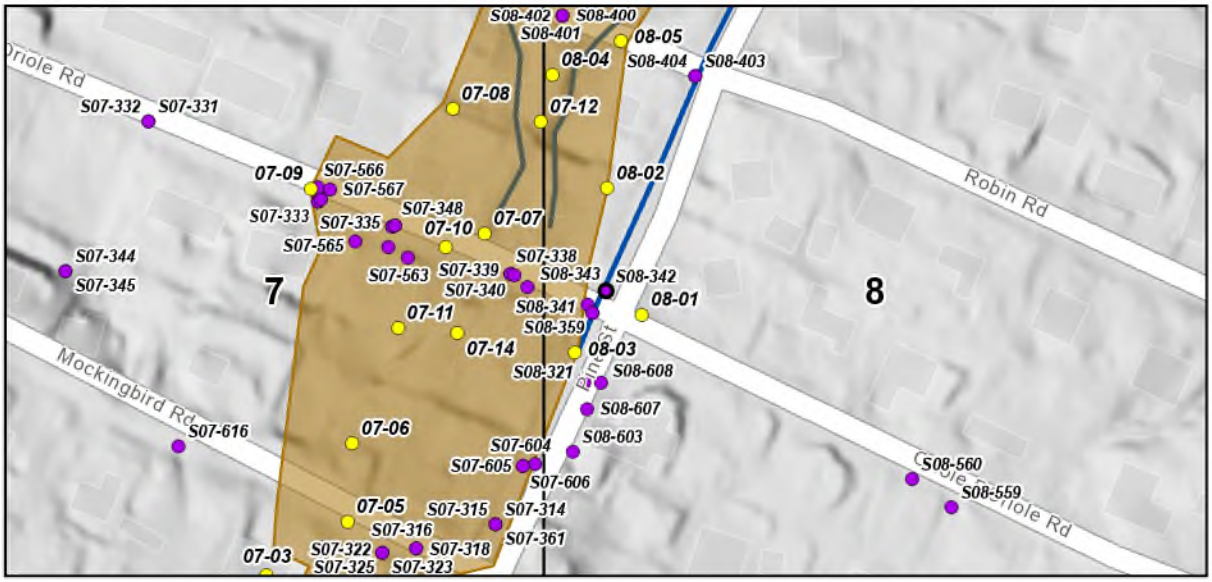


Appendix D
SB County Obs.

S08-342

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



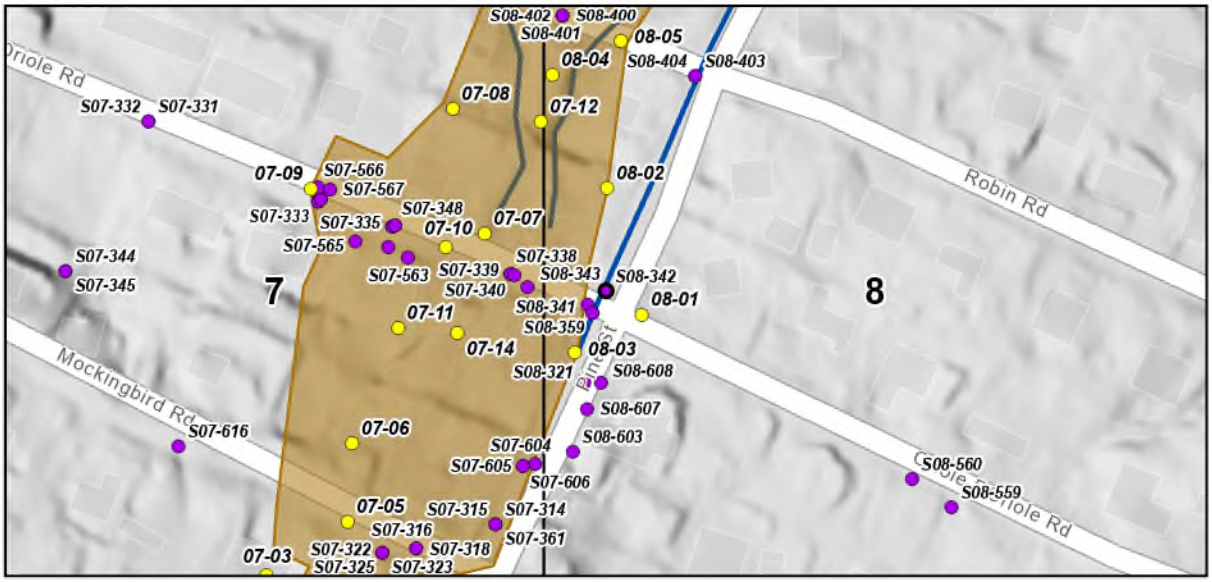


Appendix D
SB County Obs.

S08-343

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



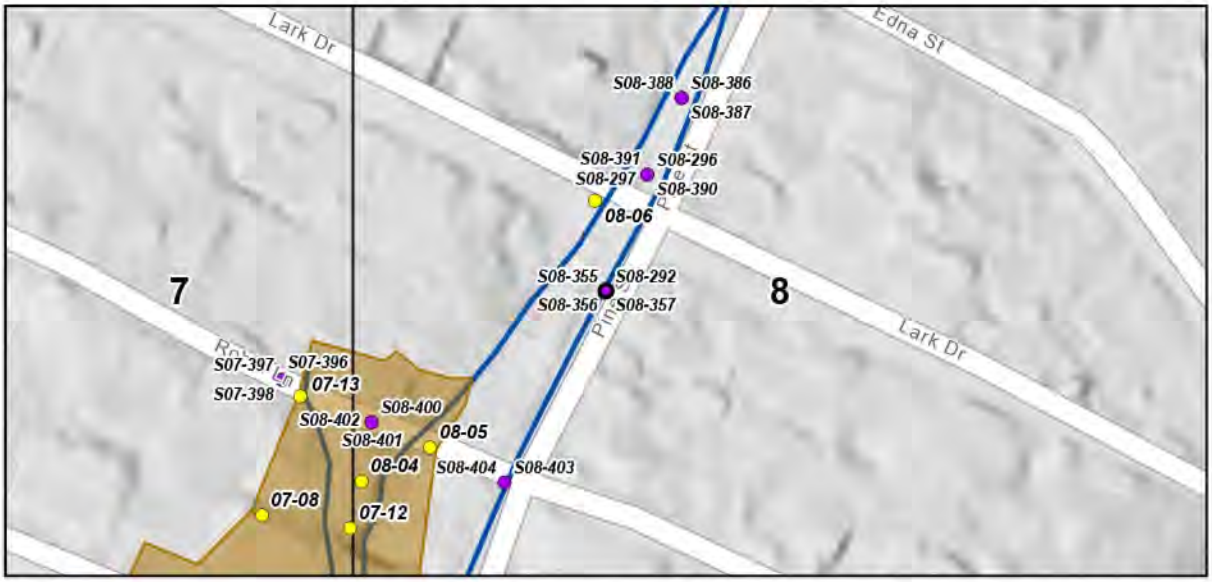


Appendix D
SB County Obs.

S08-355

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



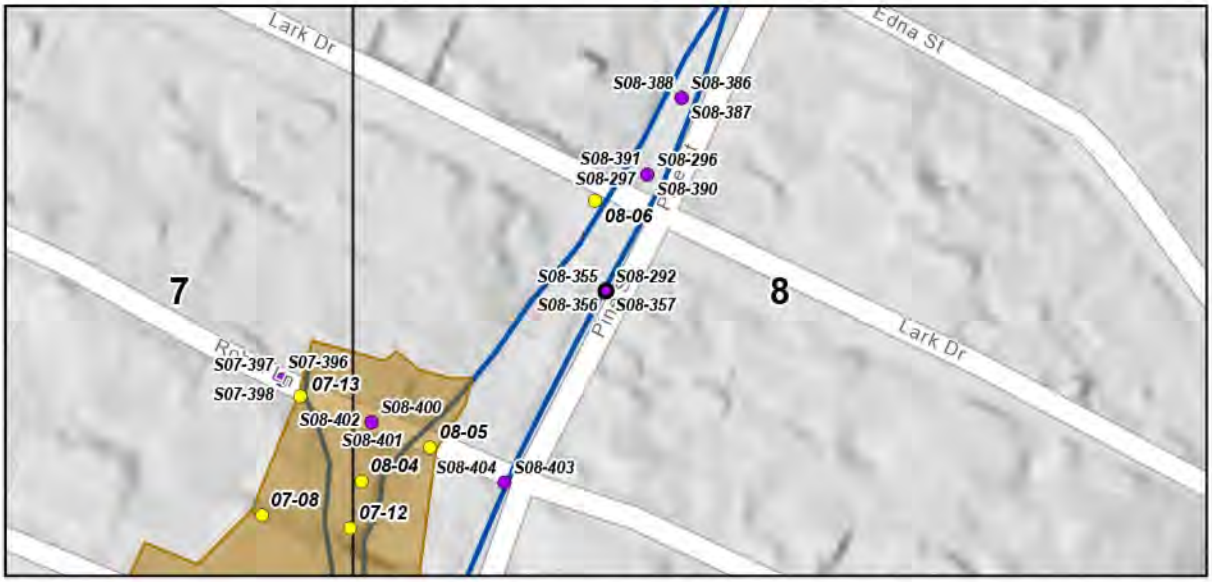


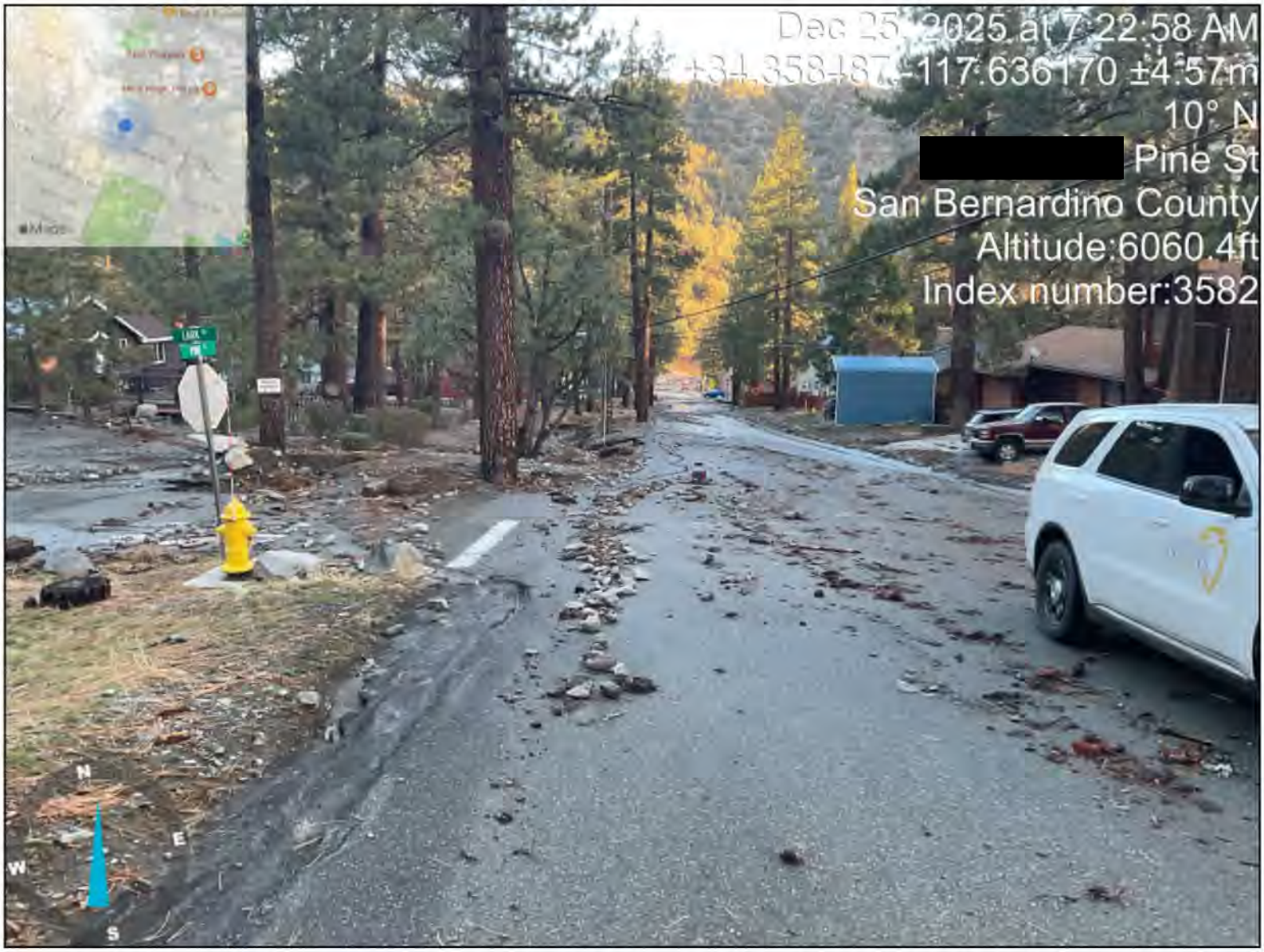
Appendix D
SB County Obs.

S08-356

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



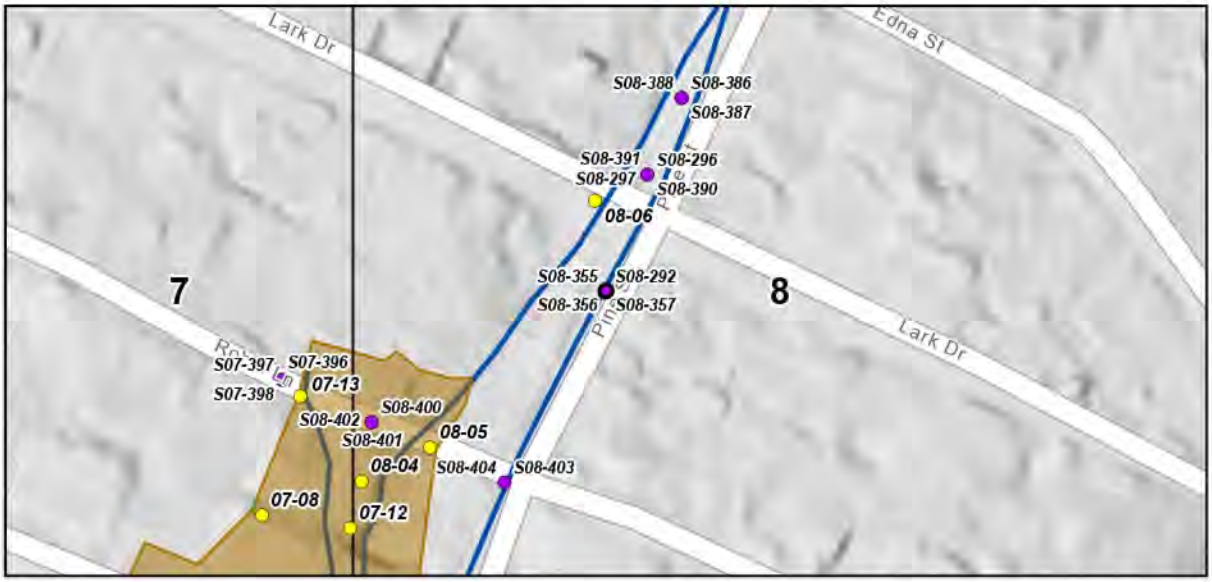


Appendix D
SB County Obs.

S08-357

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



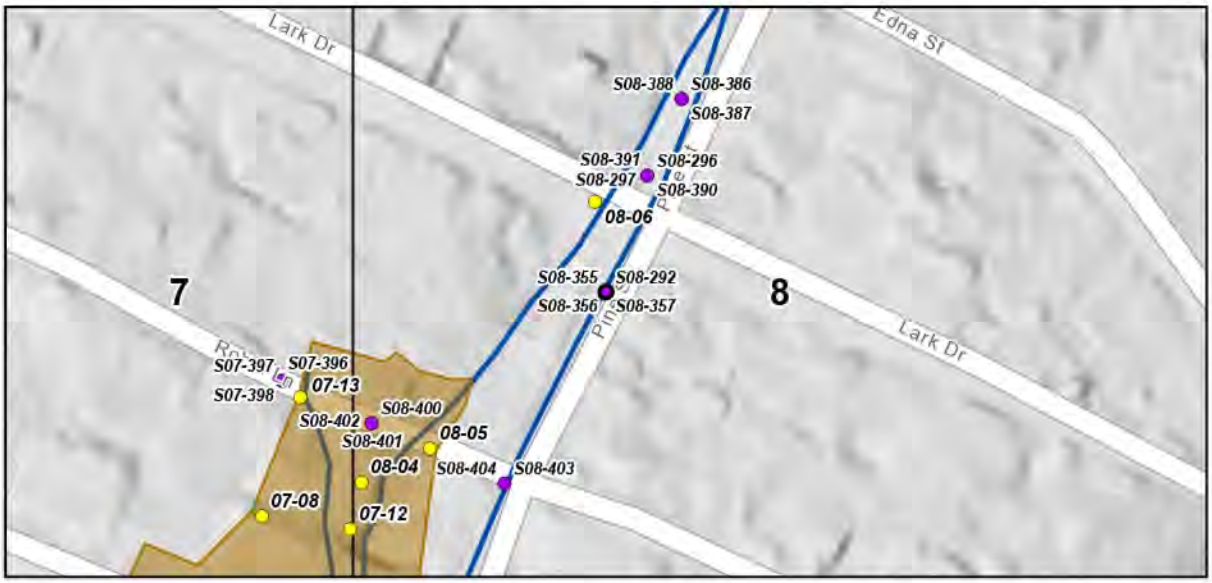


Appendix D
SB County Obs.

S08-358

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

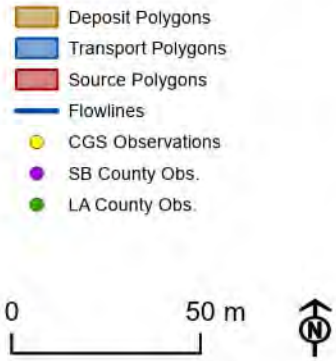
0 — 50 m

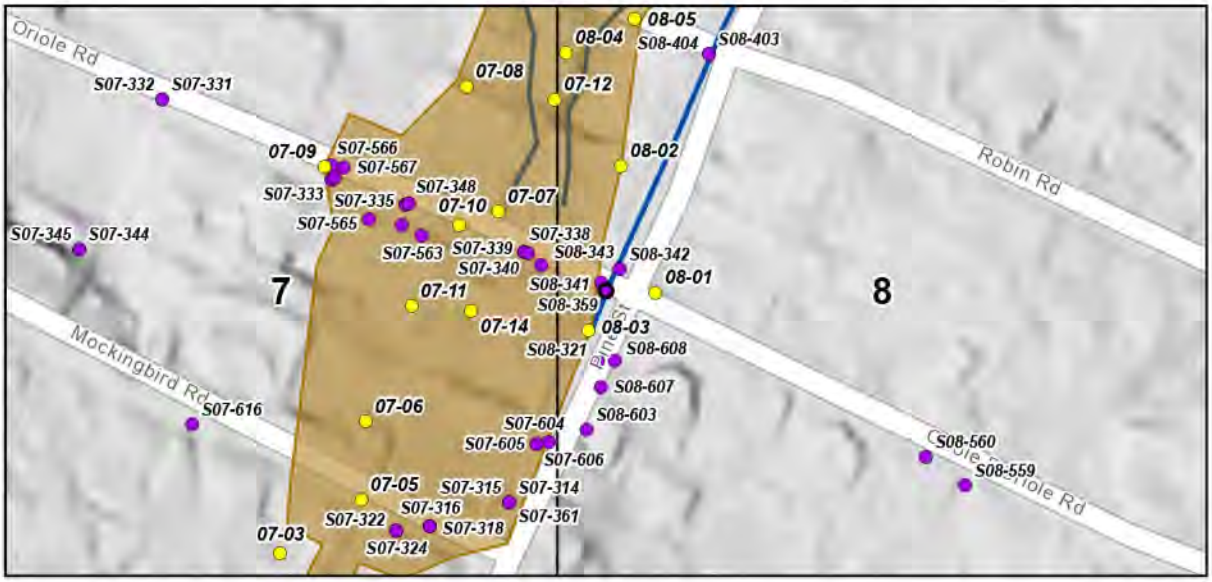




Appendix D
SB County Obs.

S08-359





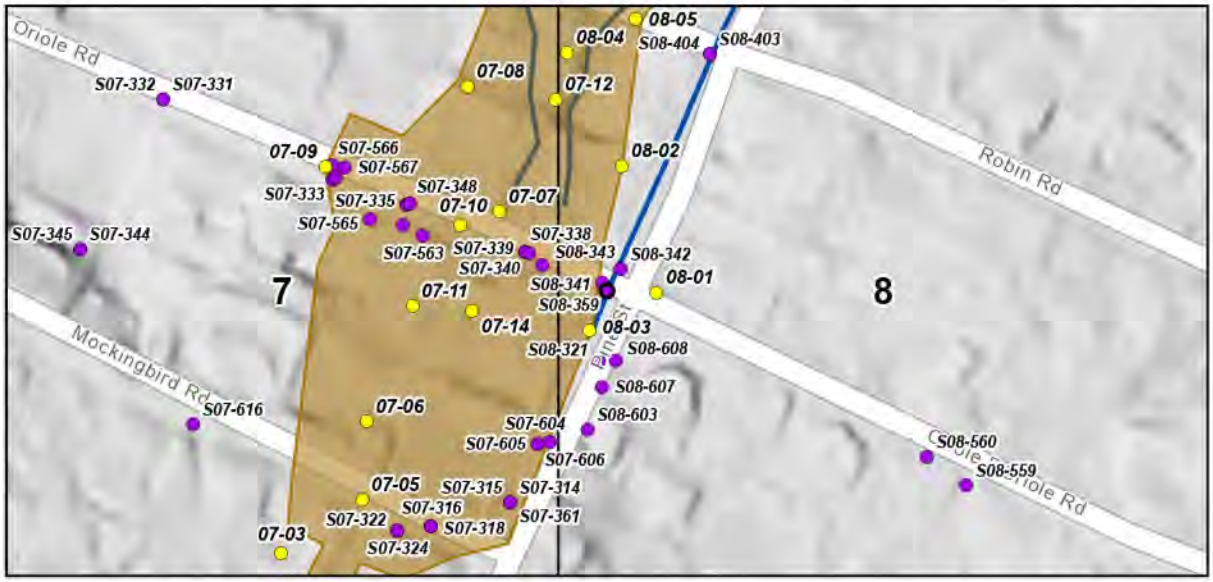


Appendix D
SB County Obs.

S08-360

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

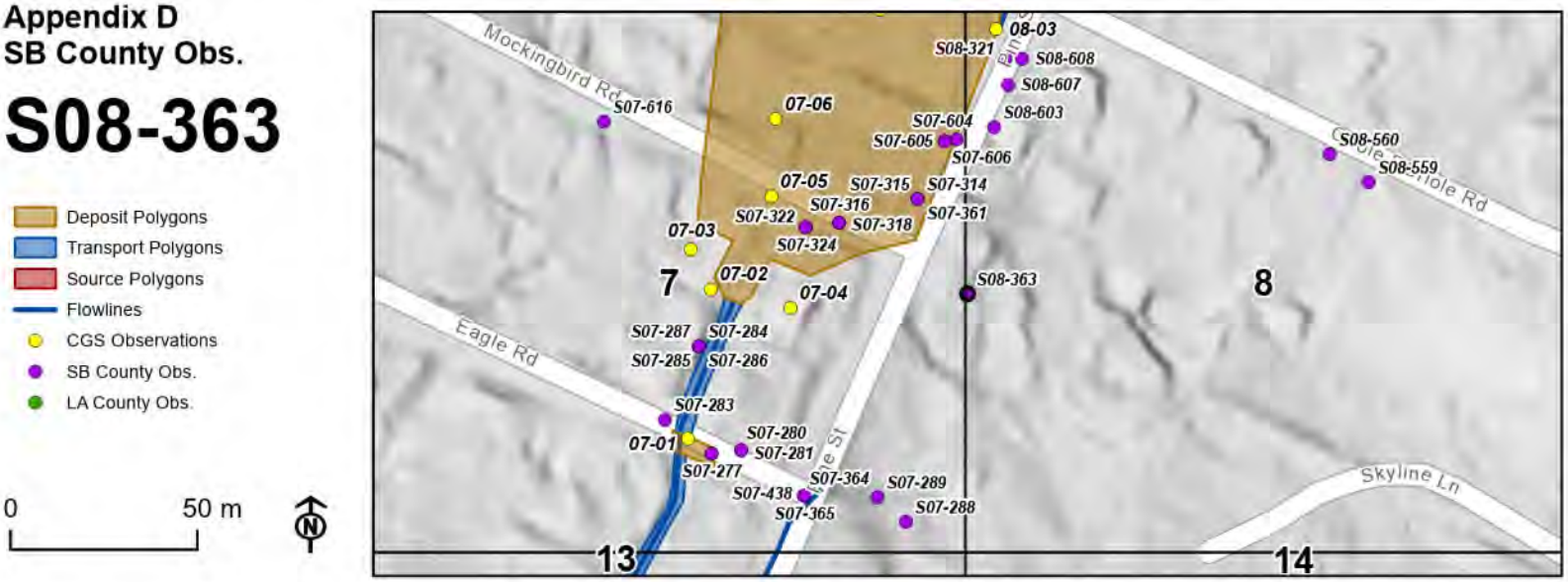
0 50 m





Appendix D
SB County Obs.

S08-363



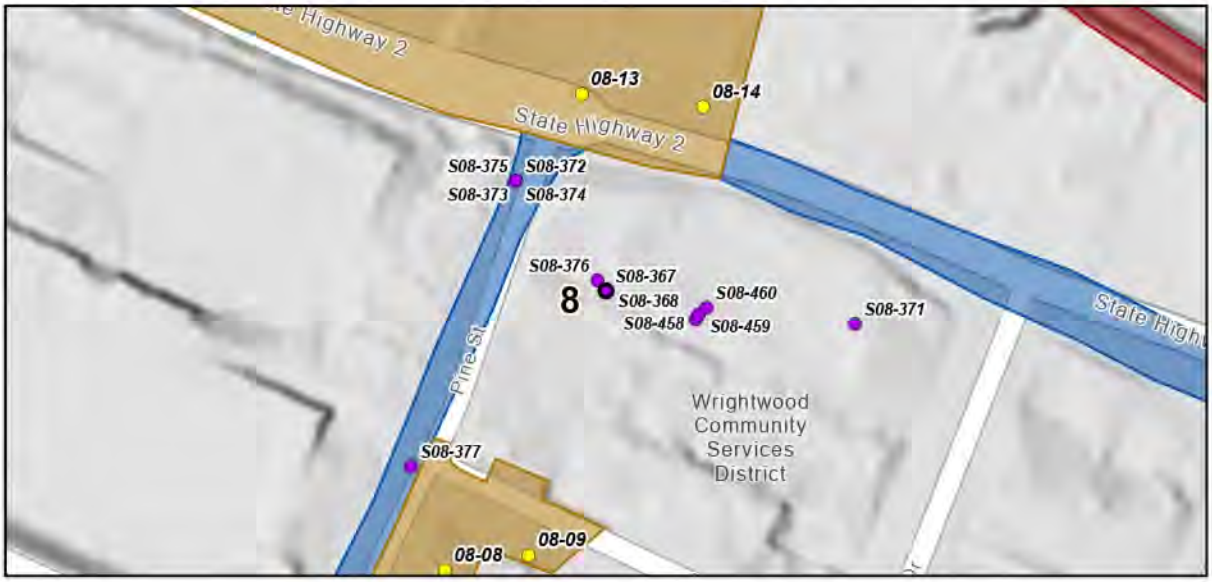


Appendix D
SB County Obs.

S08-367

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



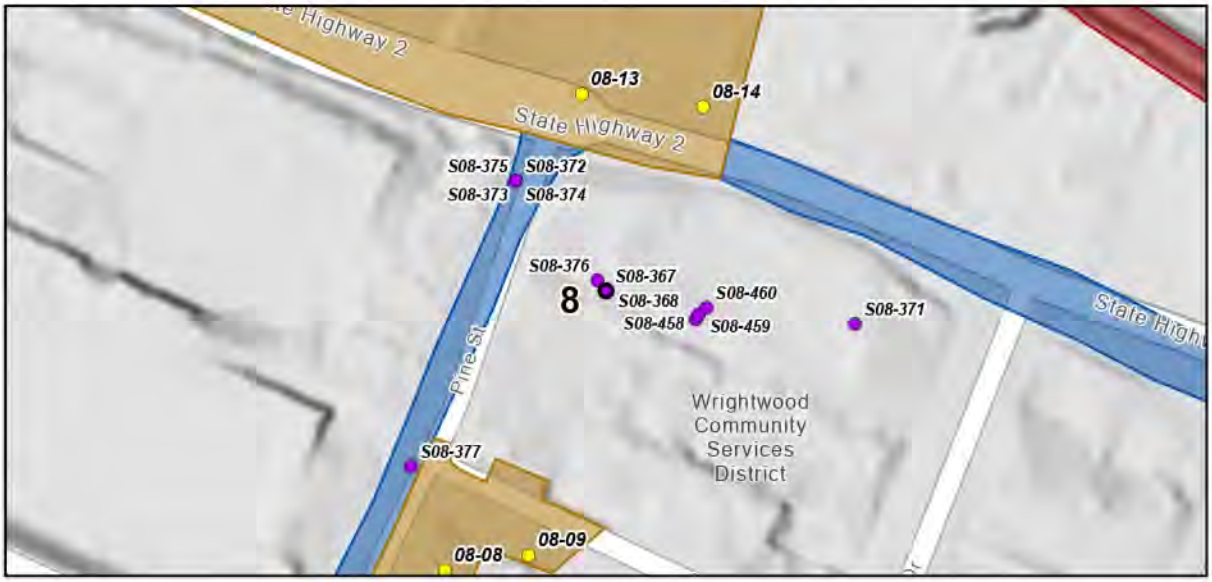


Appendix D
SB County Obs.

S08-368

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S08-369

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S08-370

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S08-371

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



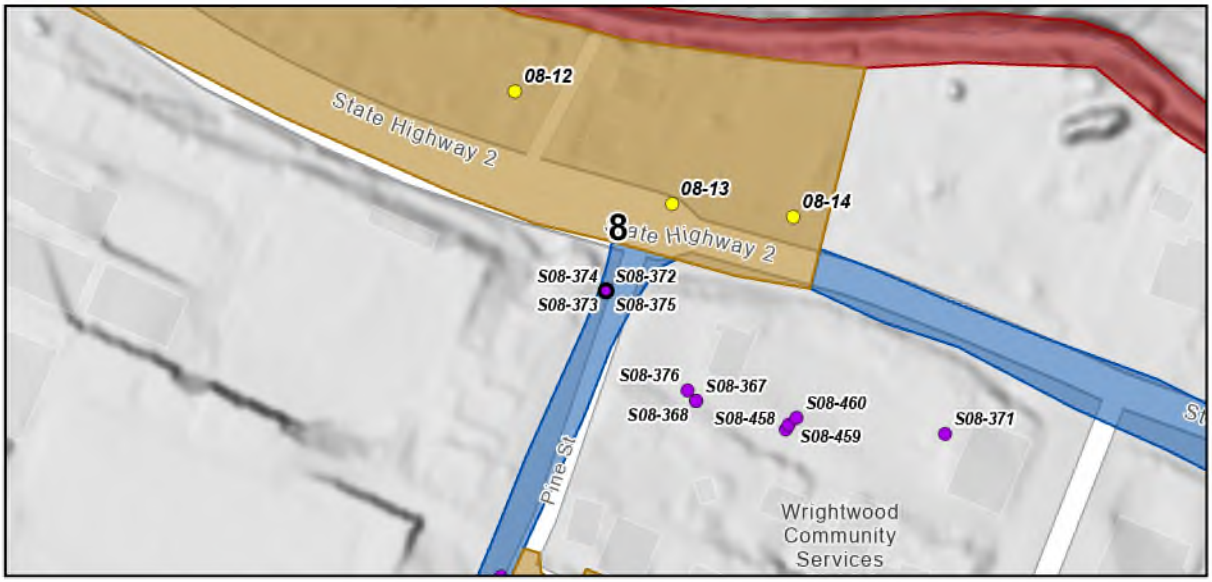


Appendix D
SB County Obs.

S08-372

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



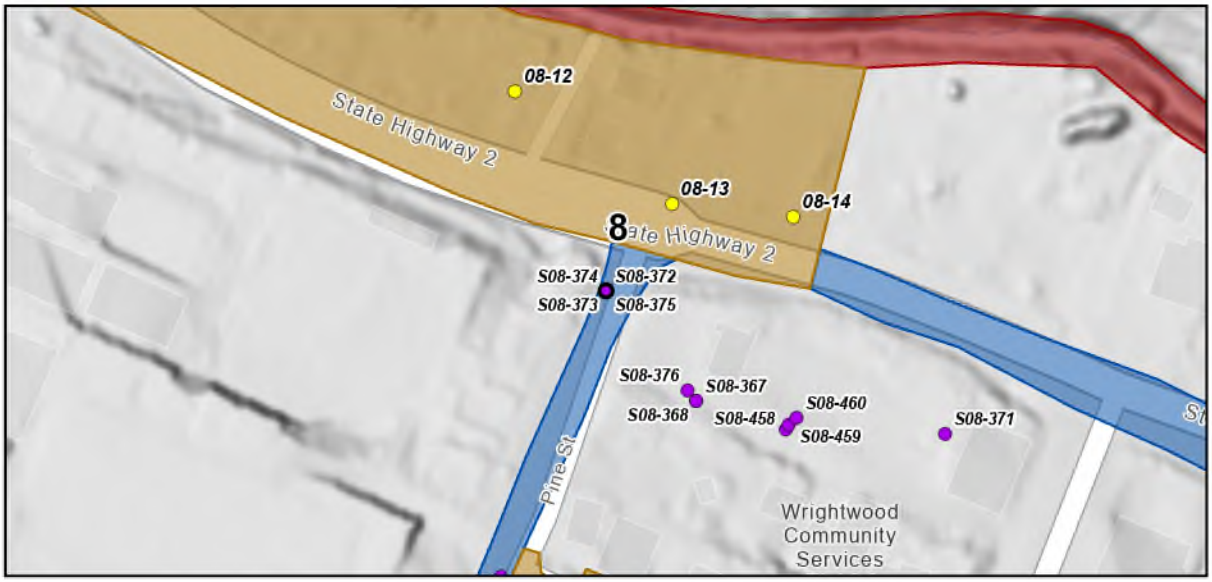


Appendix D
SB County Obs.

S08-373

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



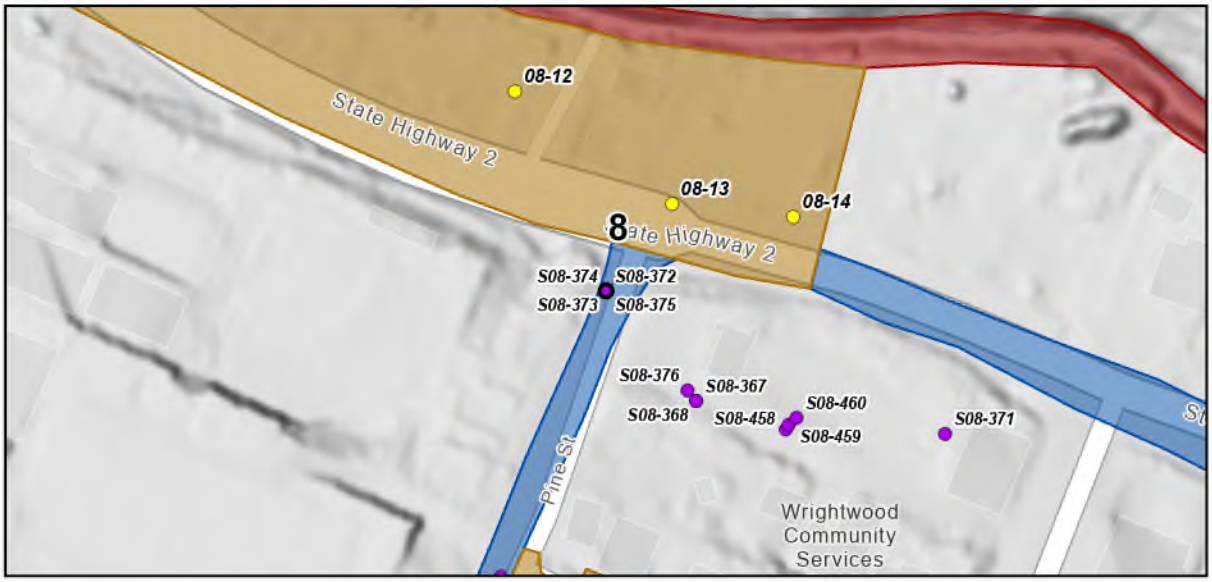


Appendix D
SB County Obs.

S08-374

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



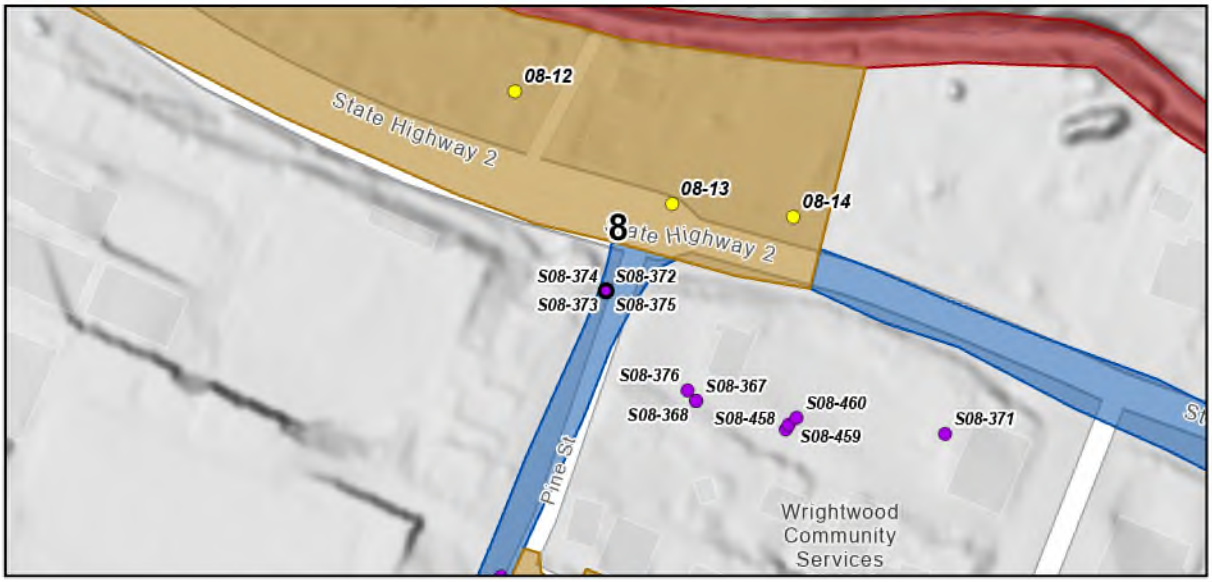


Appendix D
SB County Obs.

S08-375

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

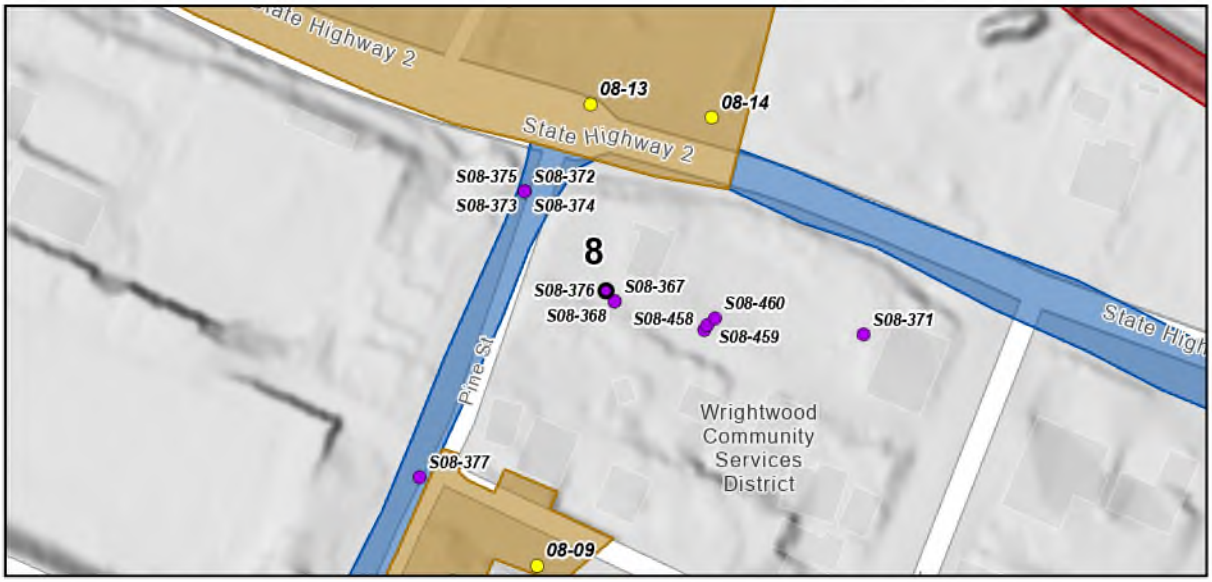
0 50 m





Appendix D
SB County Obs.

S08-376



- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m

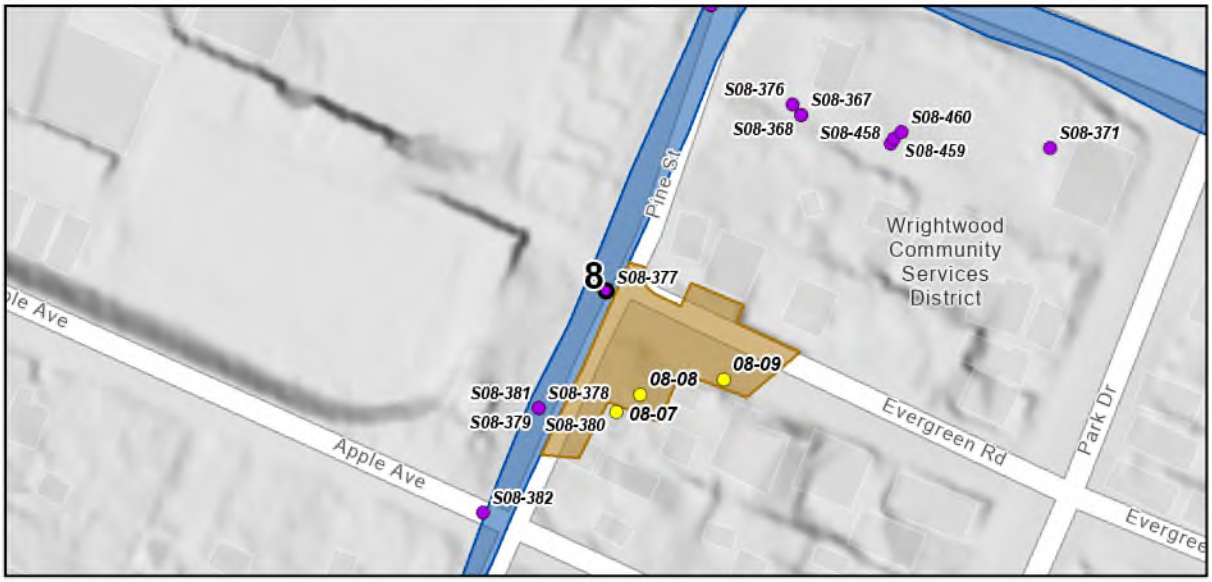


Appendix D
SB County Obs.

S08-377

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





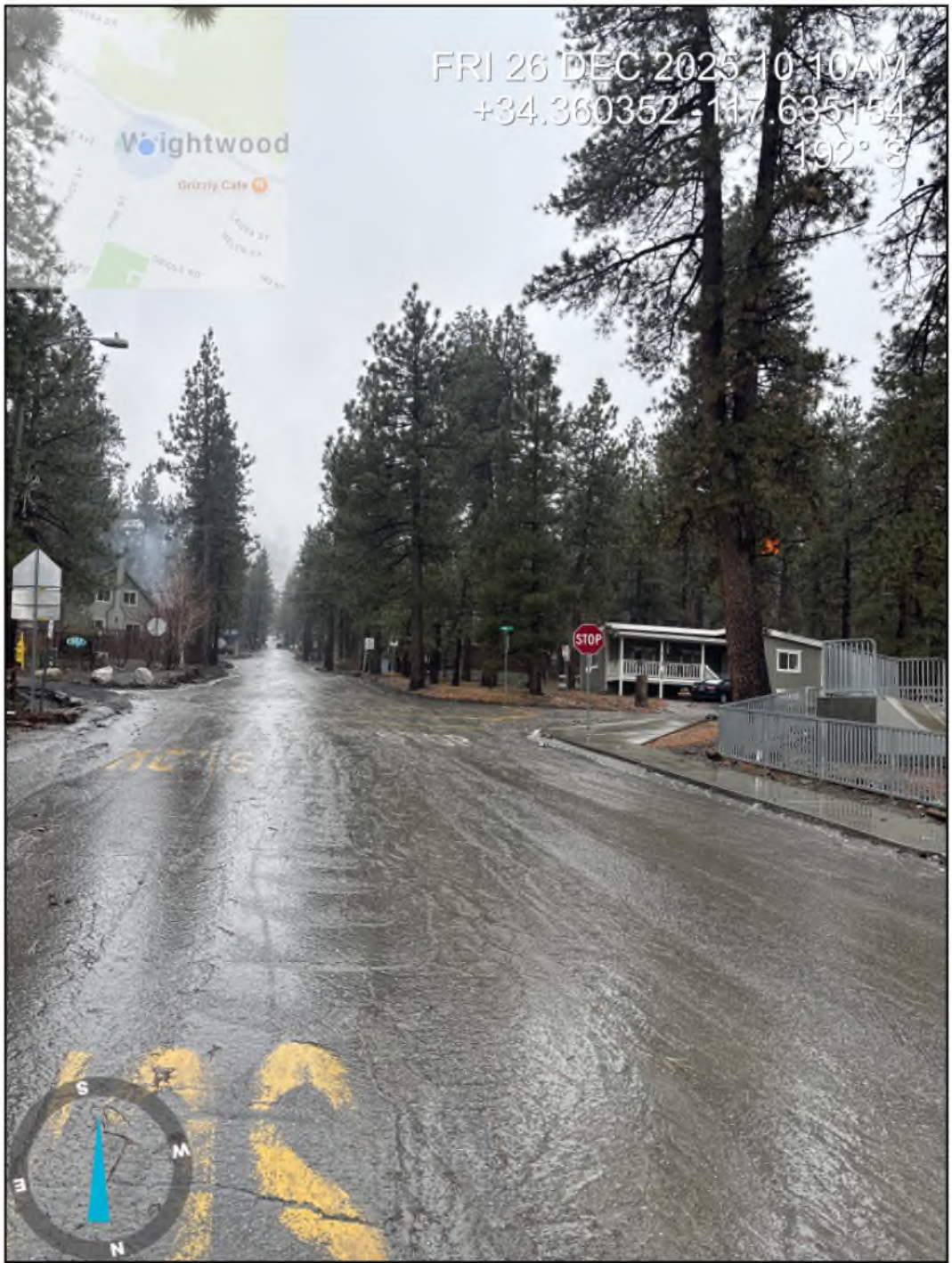
Appendix D
SB County Obs.

S08-378

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S08-379

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S08-380

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S08-381

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S08-382

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S08-383

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

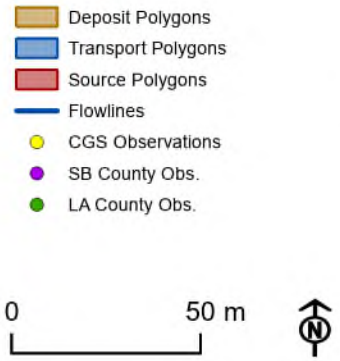
0 50 m





Appendix D
SB County Obs.

S08-384







Appendix D
SB County Obs.

S08-385

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S08-386

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S08-387

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S08-388

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

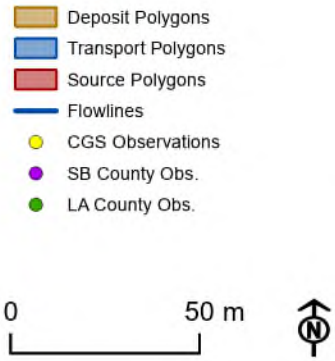
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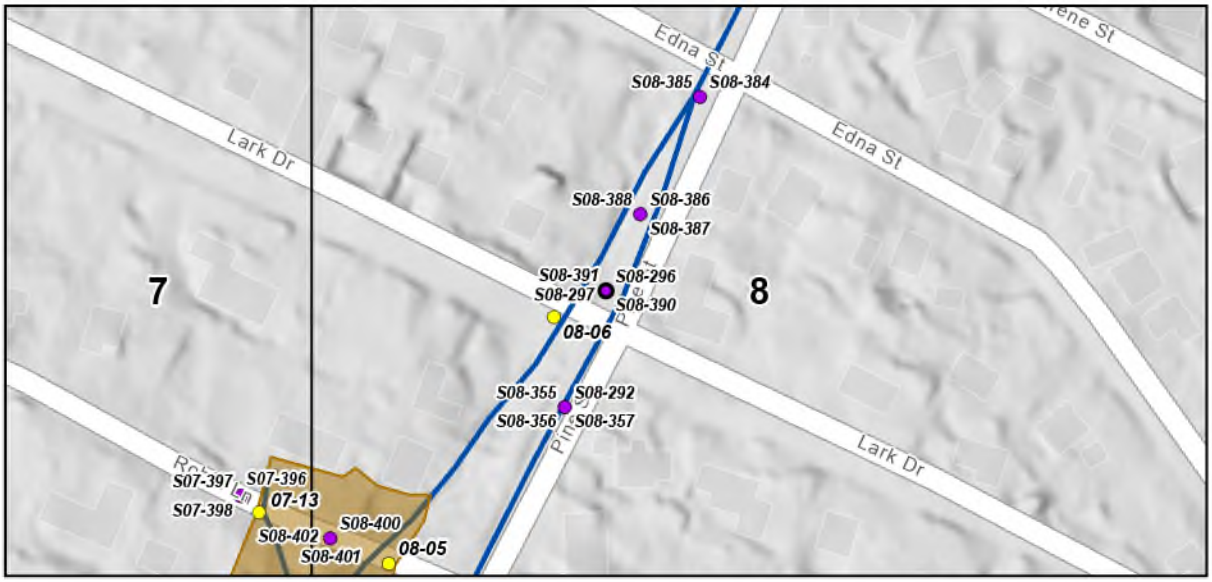




Appendix D
SB County Obs.

S08-389







Appendix D
SB County Obs.

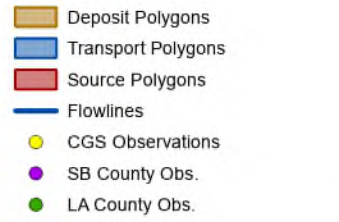
S08-390

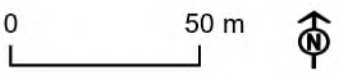


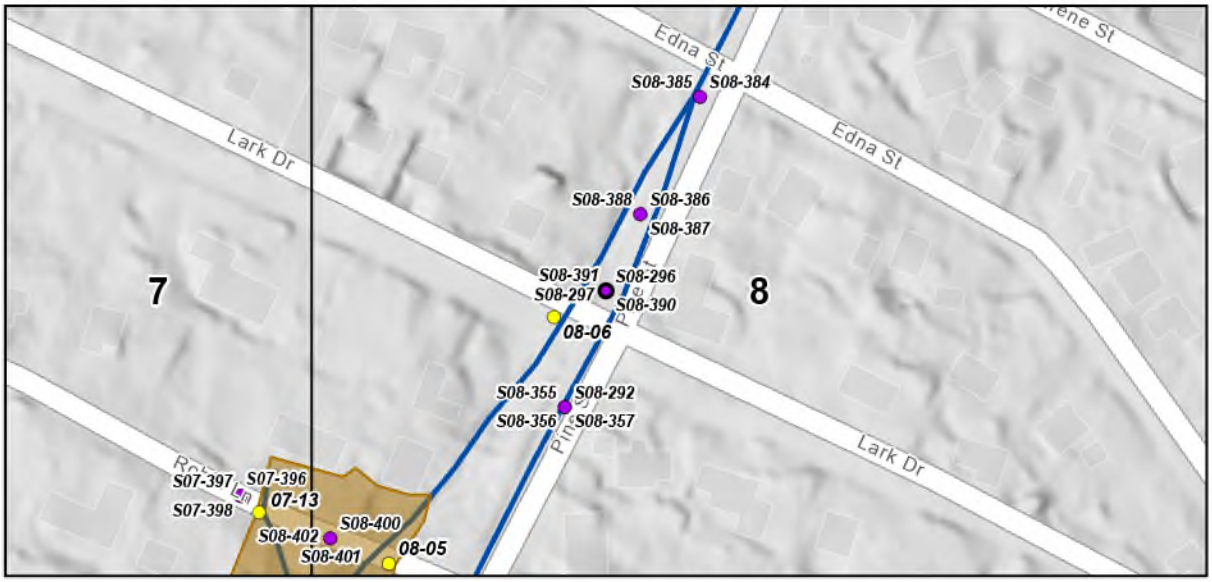


Appendix D
SB County Obs.

S08-391







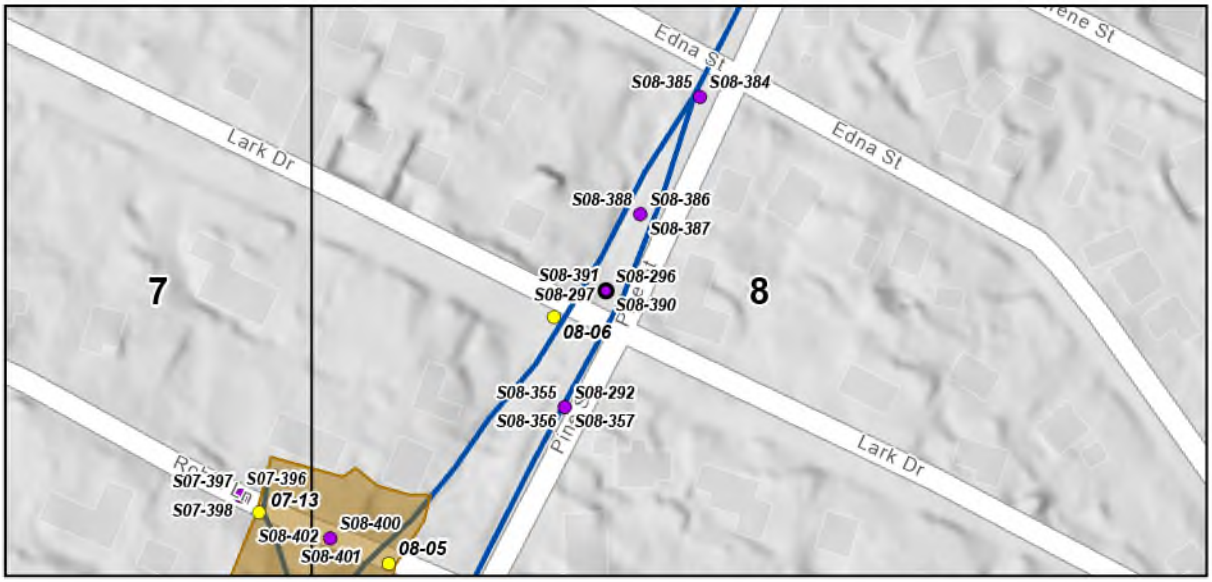


Appendix D
SB County Obs.

S08-392

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



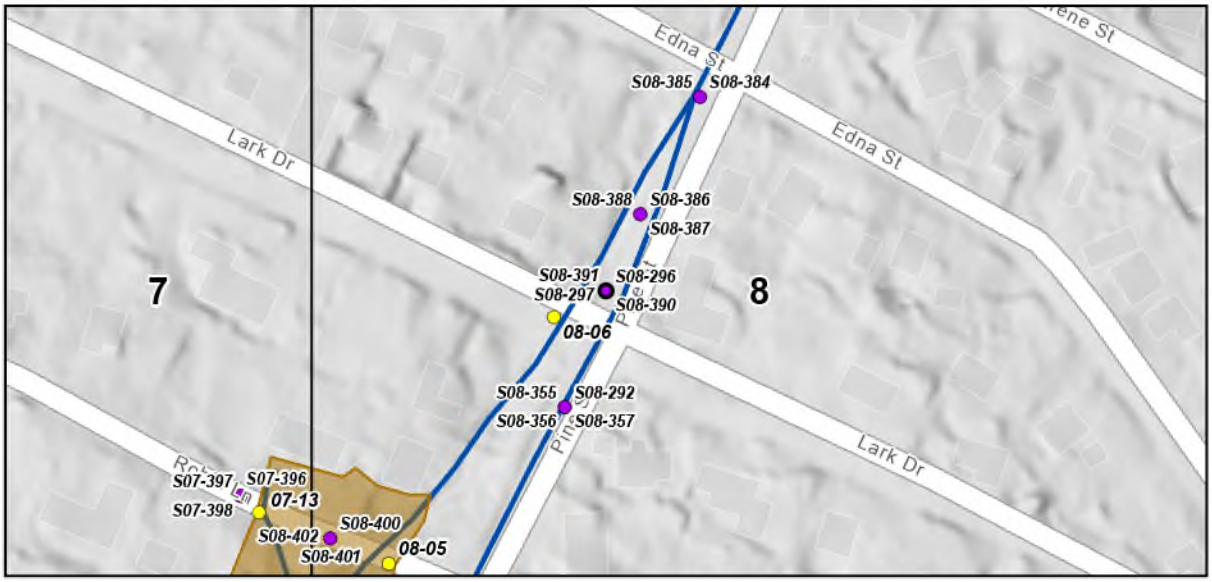


Appendix D
SB County Obs.

S08-393

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



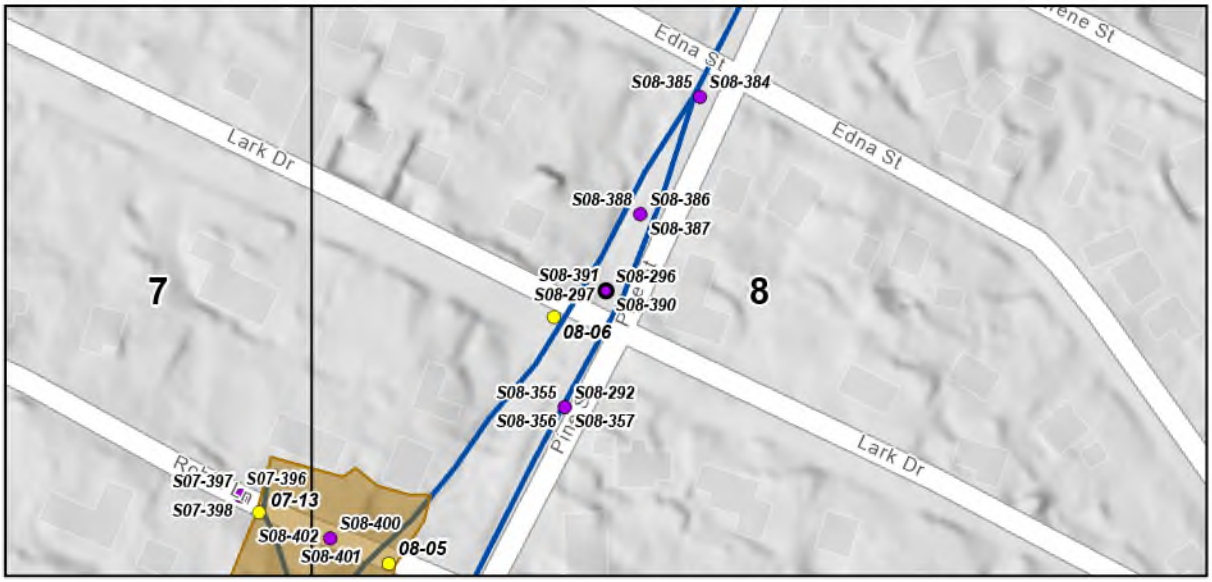


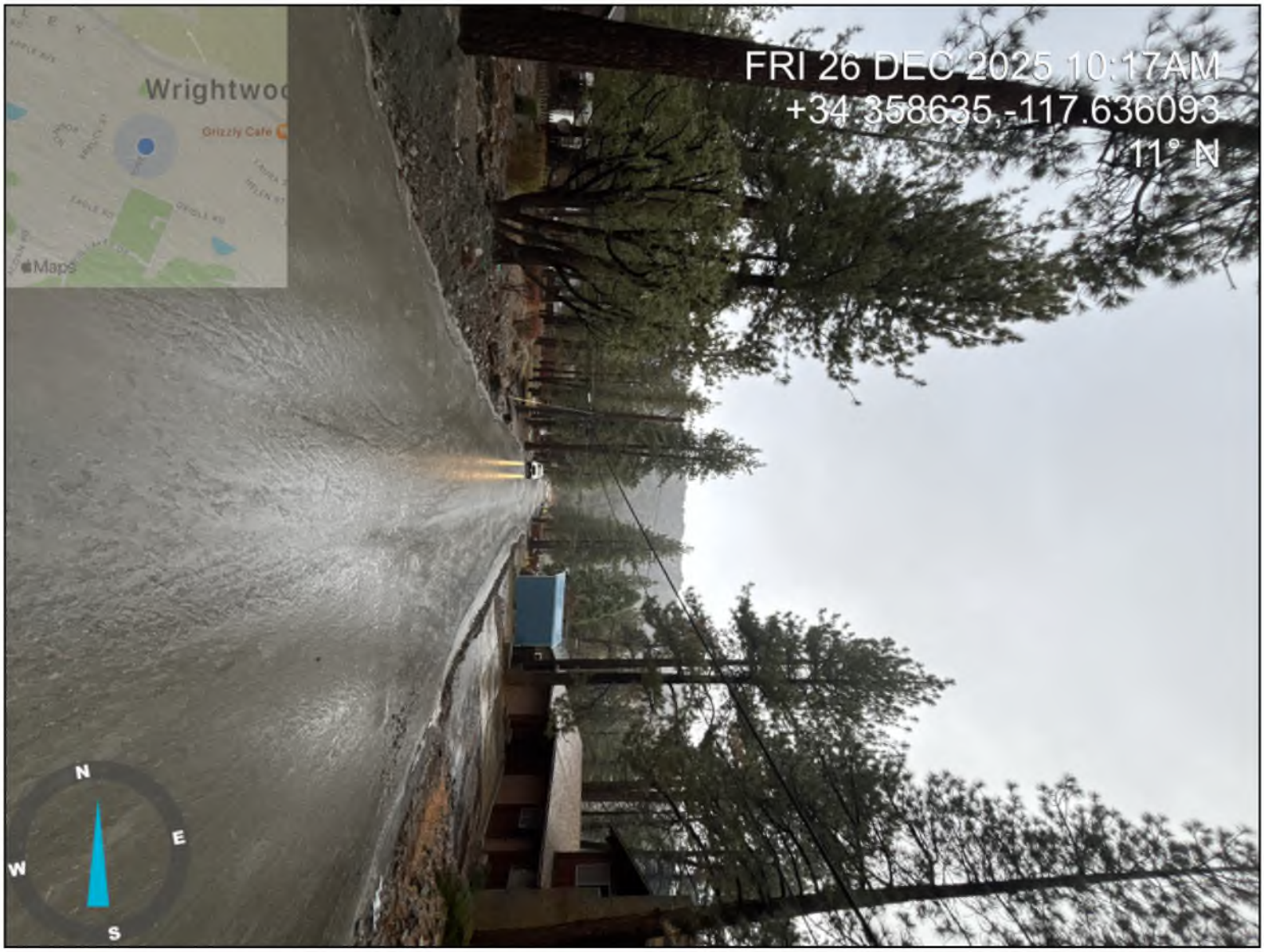
Appendix D
SB County Obs.

S08-394

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

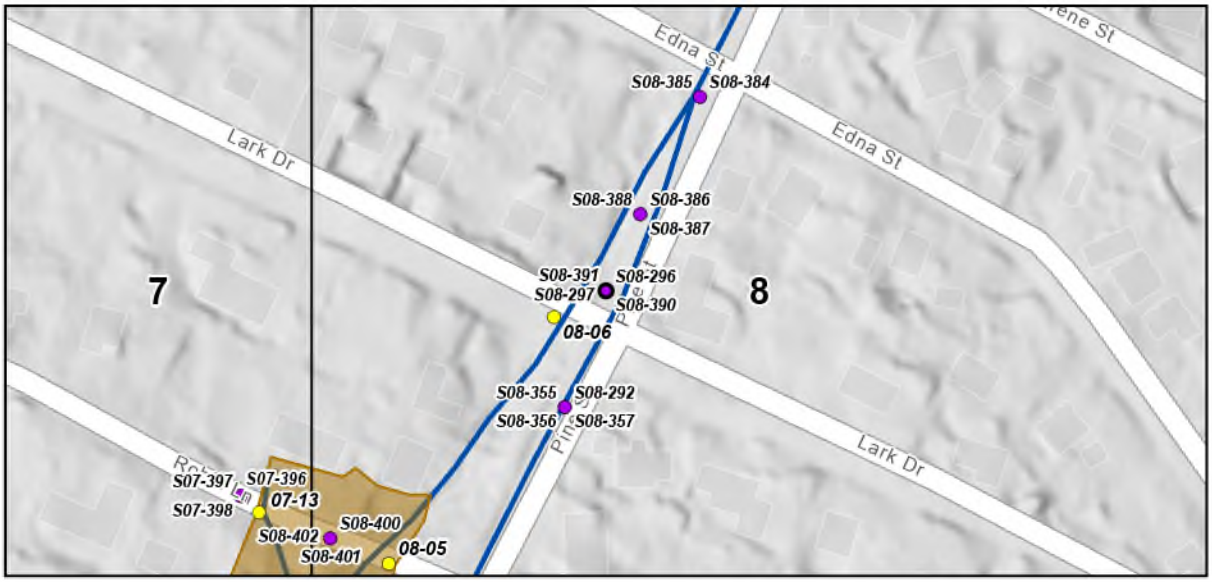
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Appendix D
SB County Obs.

S08-395



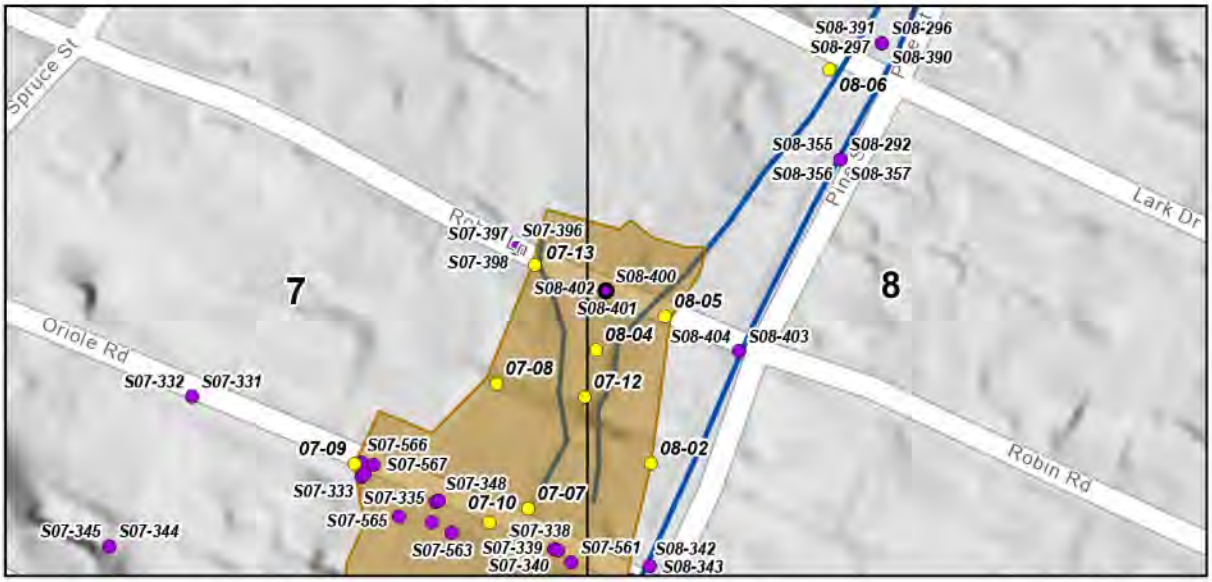


Appendix D
SB County Obs.

S08-400

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m

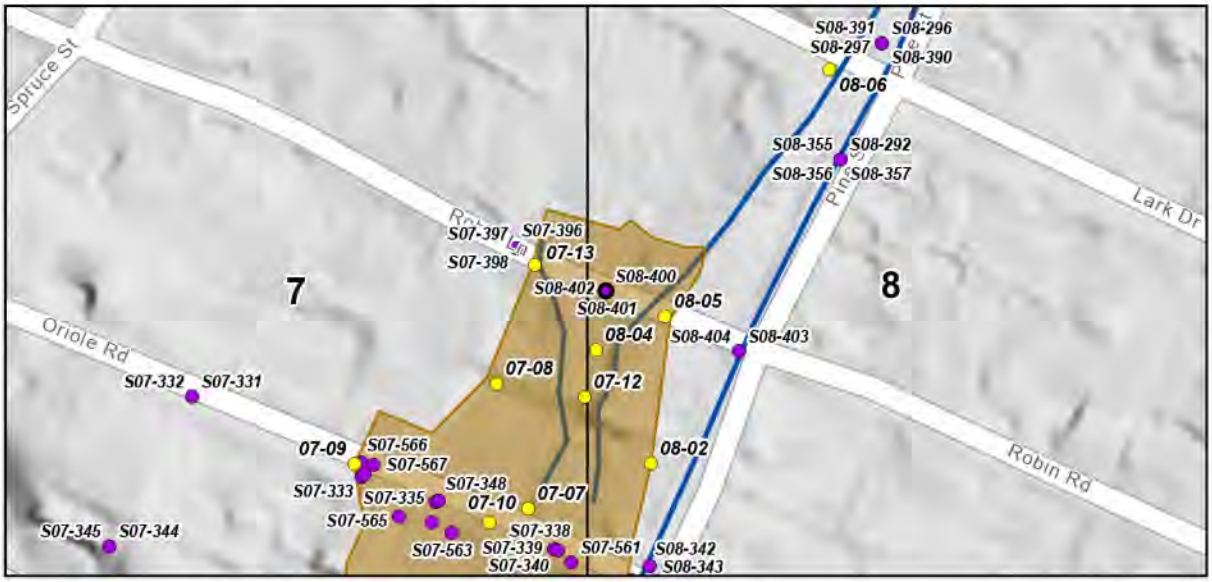




Appendix D
SB County Obs.

S08-401





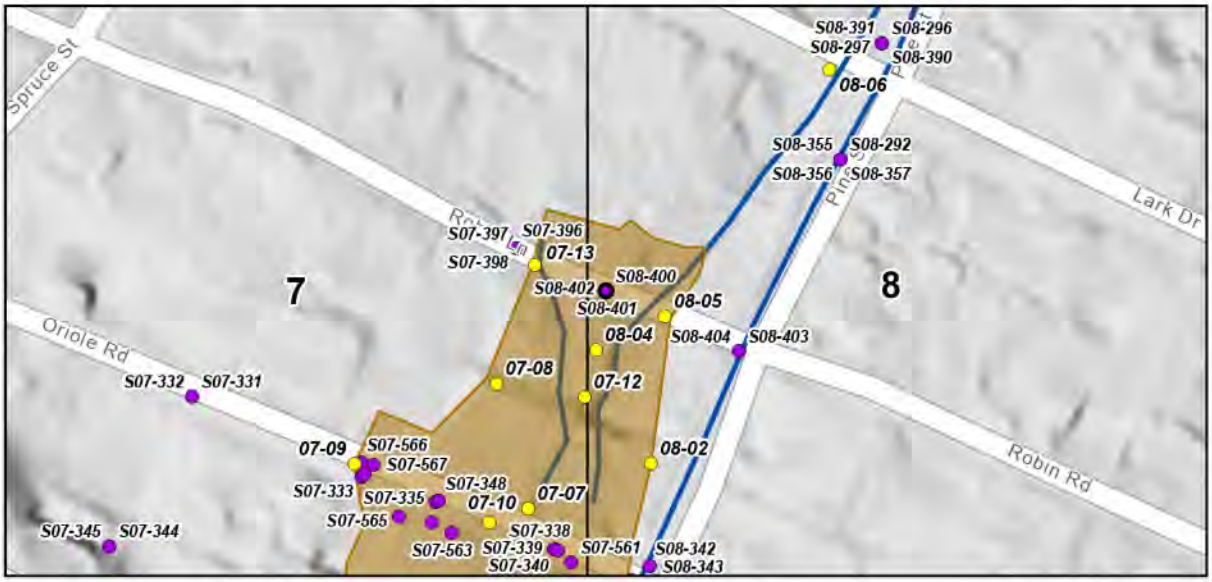


Appendix D
SB County Obs.

S08-402

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



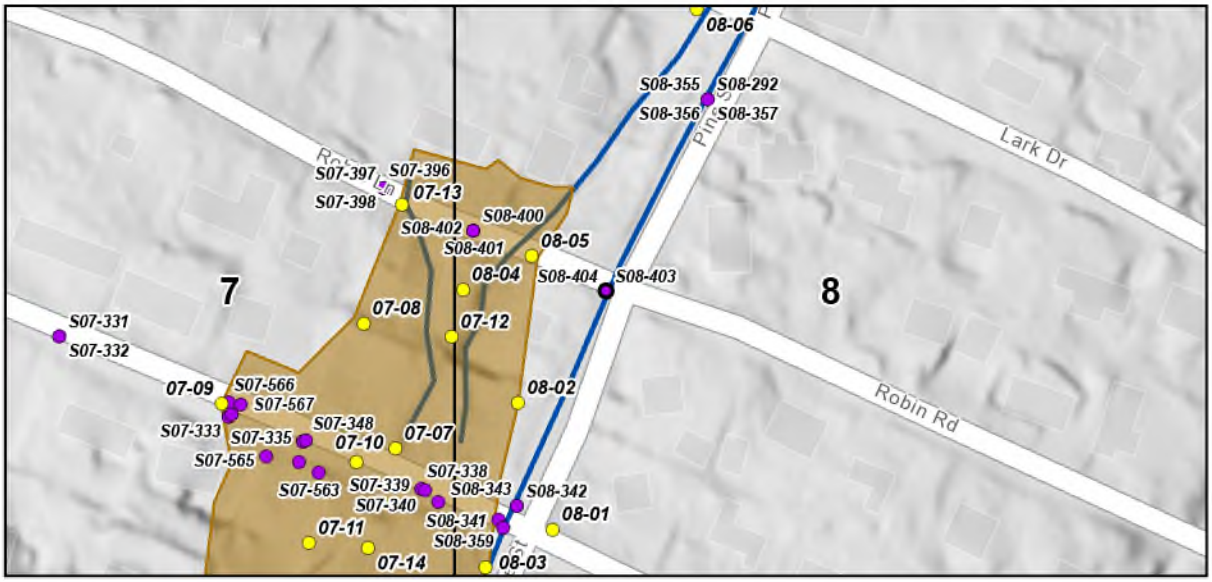


Appendix D
SB County Obs.

S08-403

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



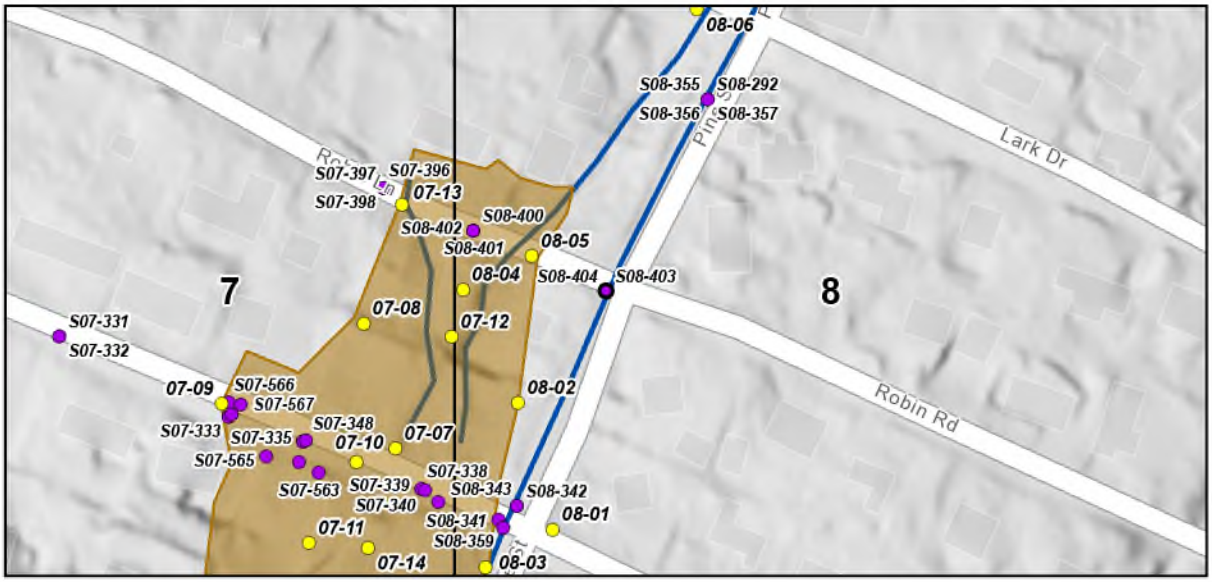


Appendix D
SB County Obs.

S08-404

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



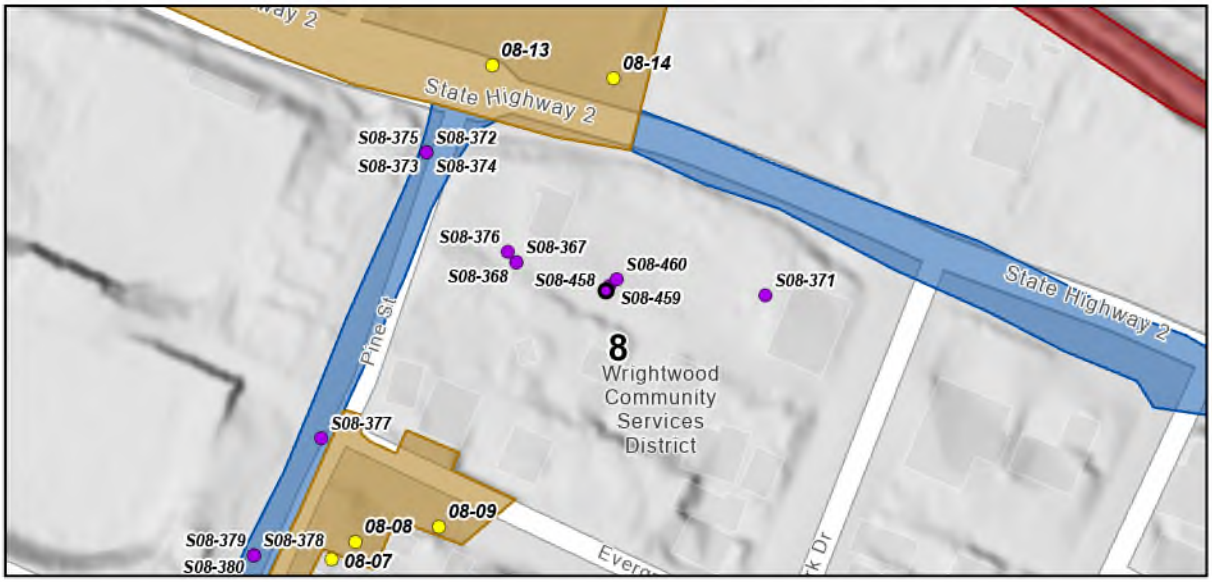


Appendix D
SB County Obs.

S08-458

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



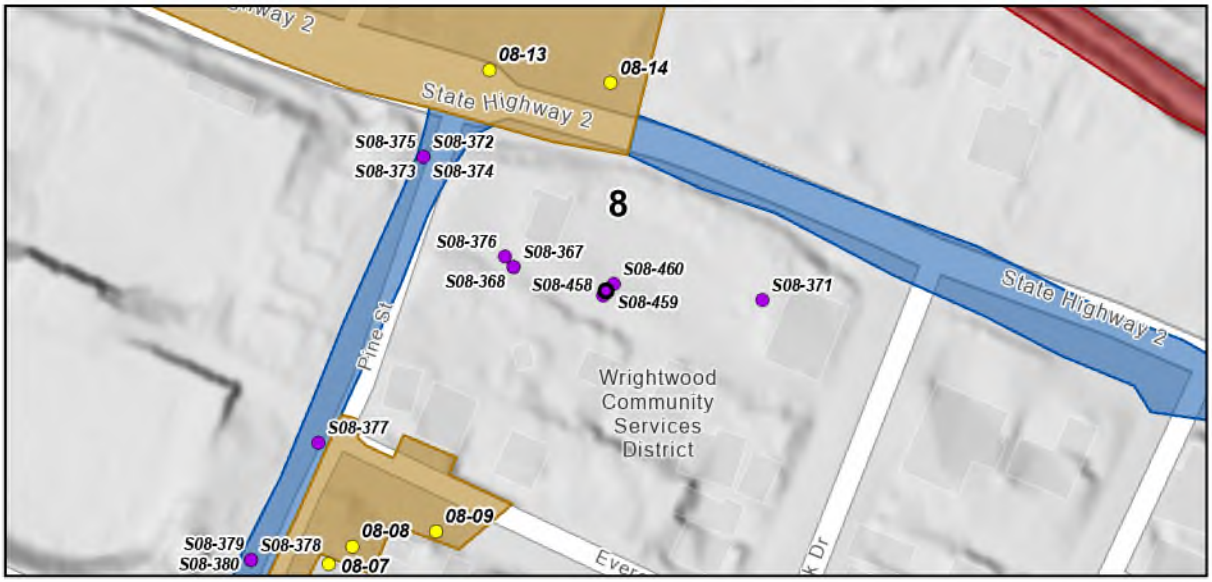


Appendix D
SB County Obs.

S08-459

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S08-460

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



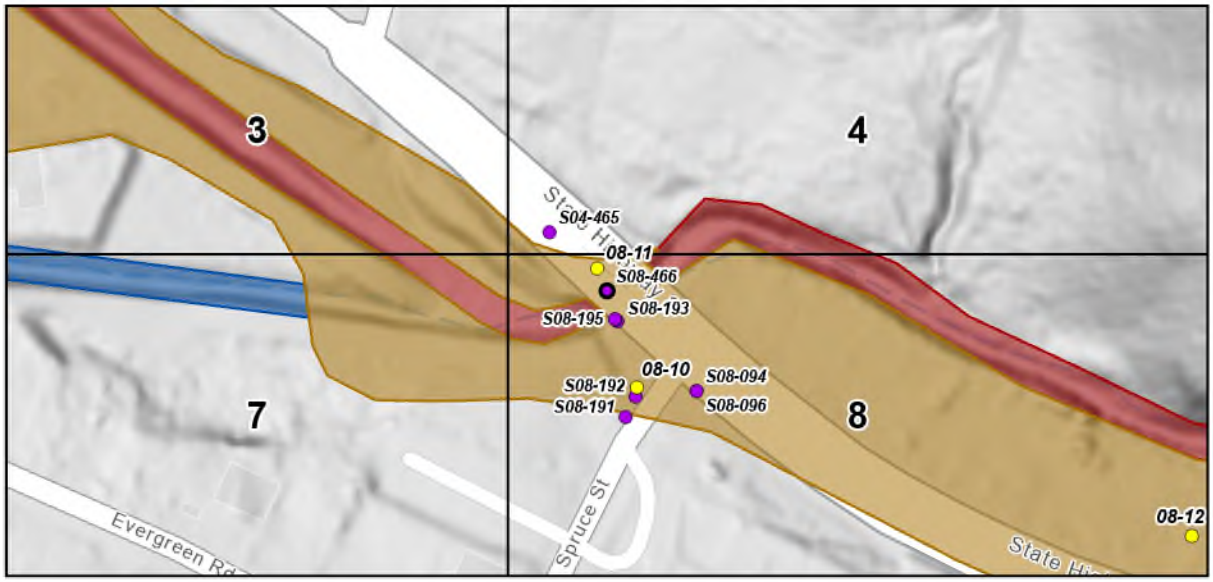


Appendix D
SB County Obs.

S08-466

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

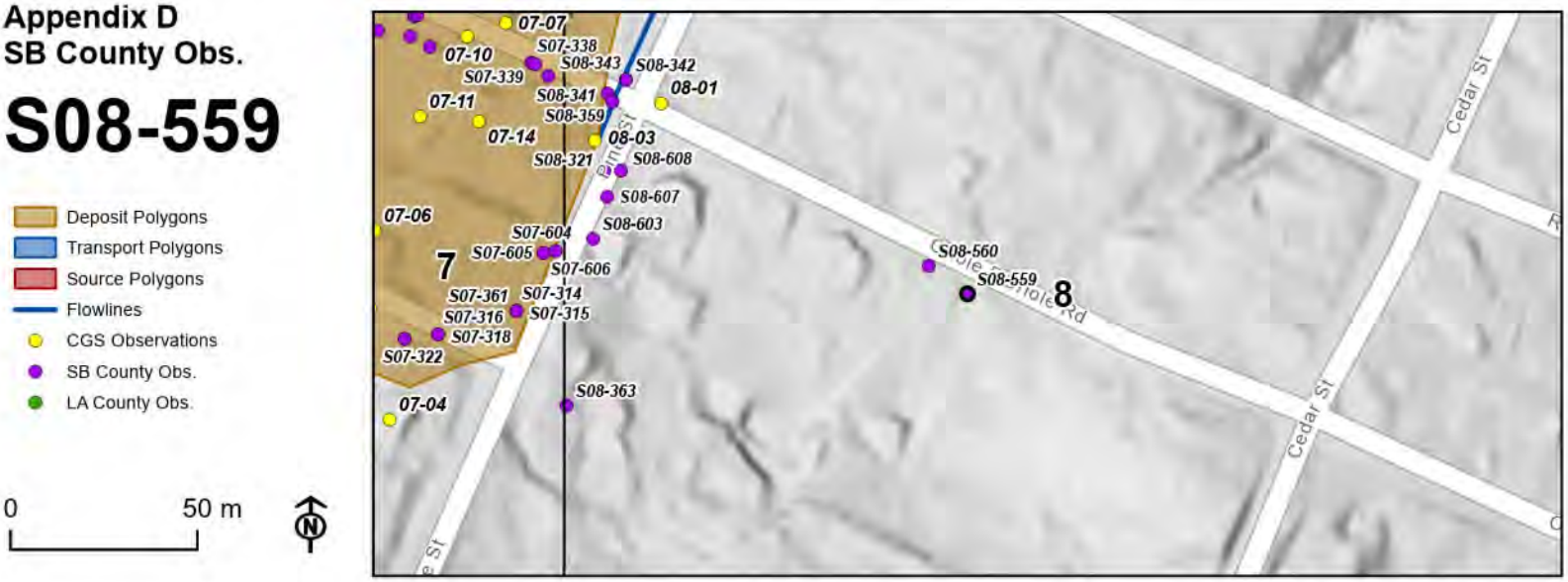
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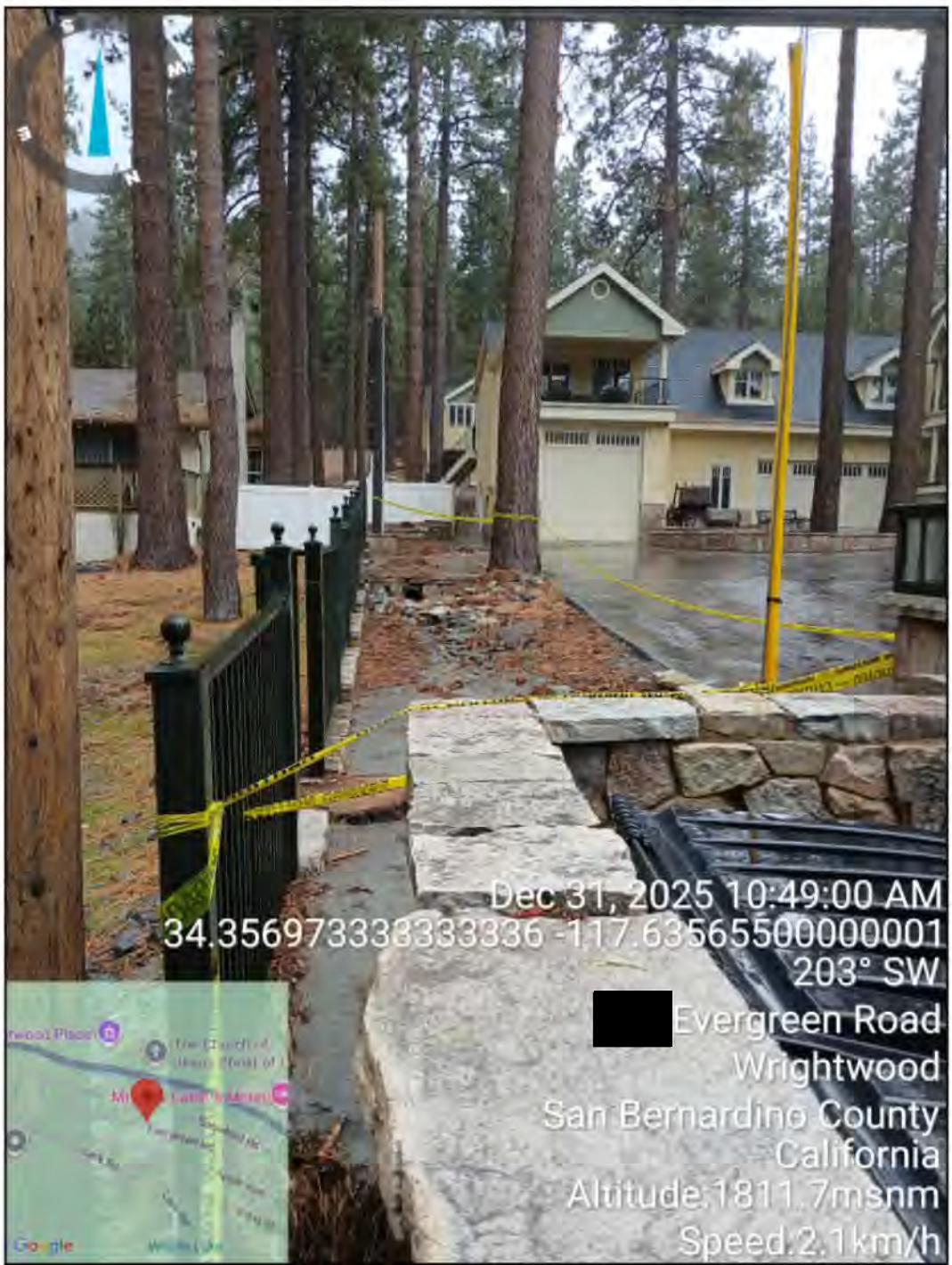




Appendix D
SB County Obs.

S08-559





Appendix D
SB County Obs.

S08-560

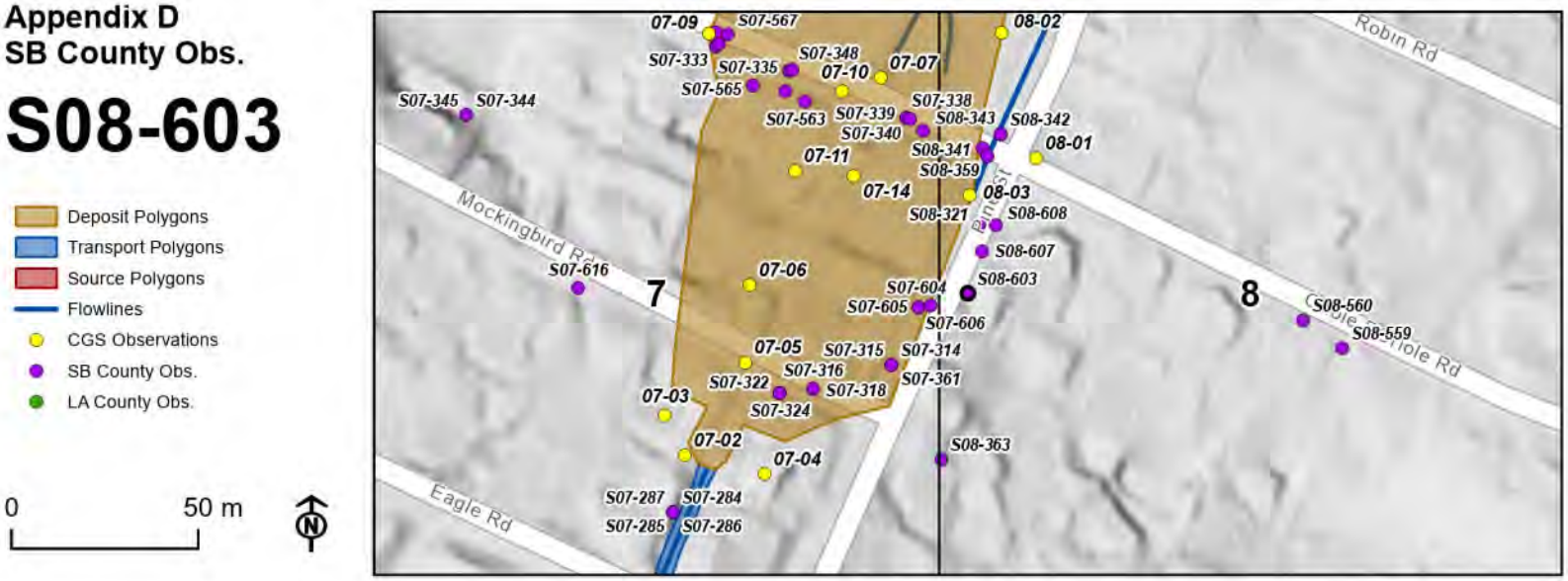






Appendix D
SB County Obs.

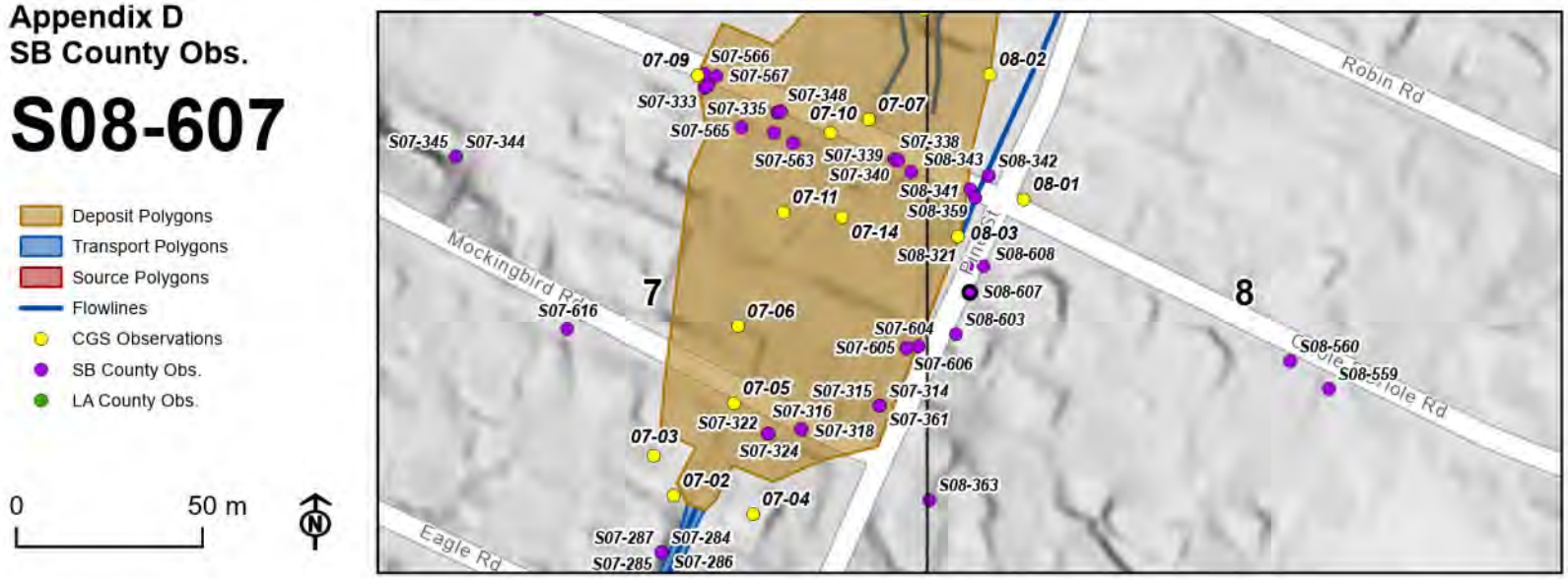
S08-603





Appendix D
SB County Obs.

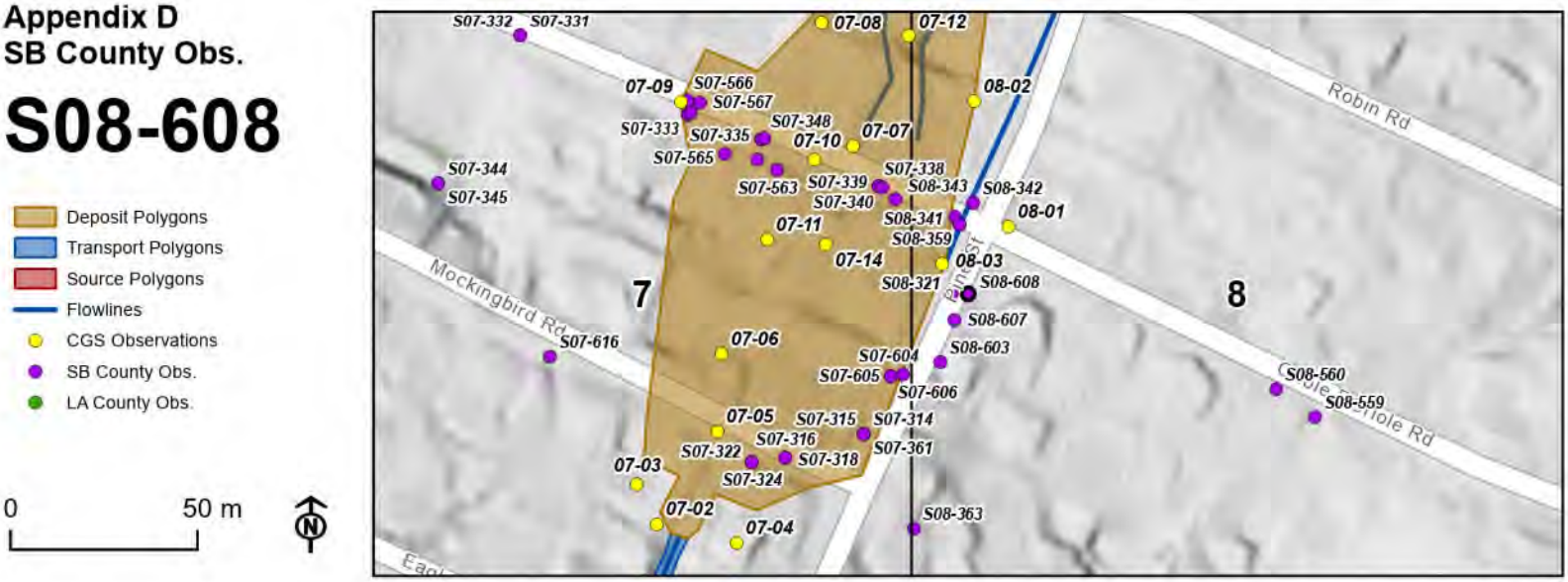
S08-607





Appendix D
SB County Obs.

S08-608





Appendix D
SB County Obs.

S09-010

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S09-011

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S09-012

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S09-013

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S09-014

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S09-015

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S09-016

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S09-017

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S09-018

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S09-019

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S09-439

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S09-440

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S09-441

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S09-442

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S09-509

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S09-510

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S10-496





Appendix D
SB County Obs.

S10-497







Appendix D
SB County Obs.

S10-498

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





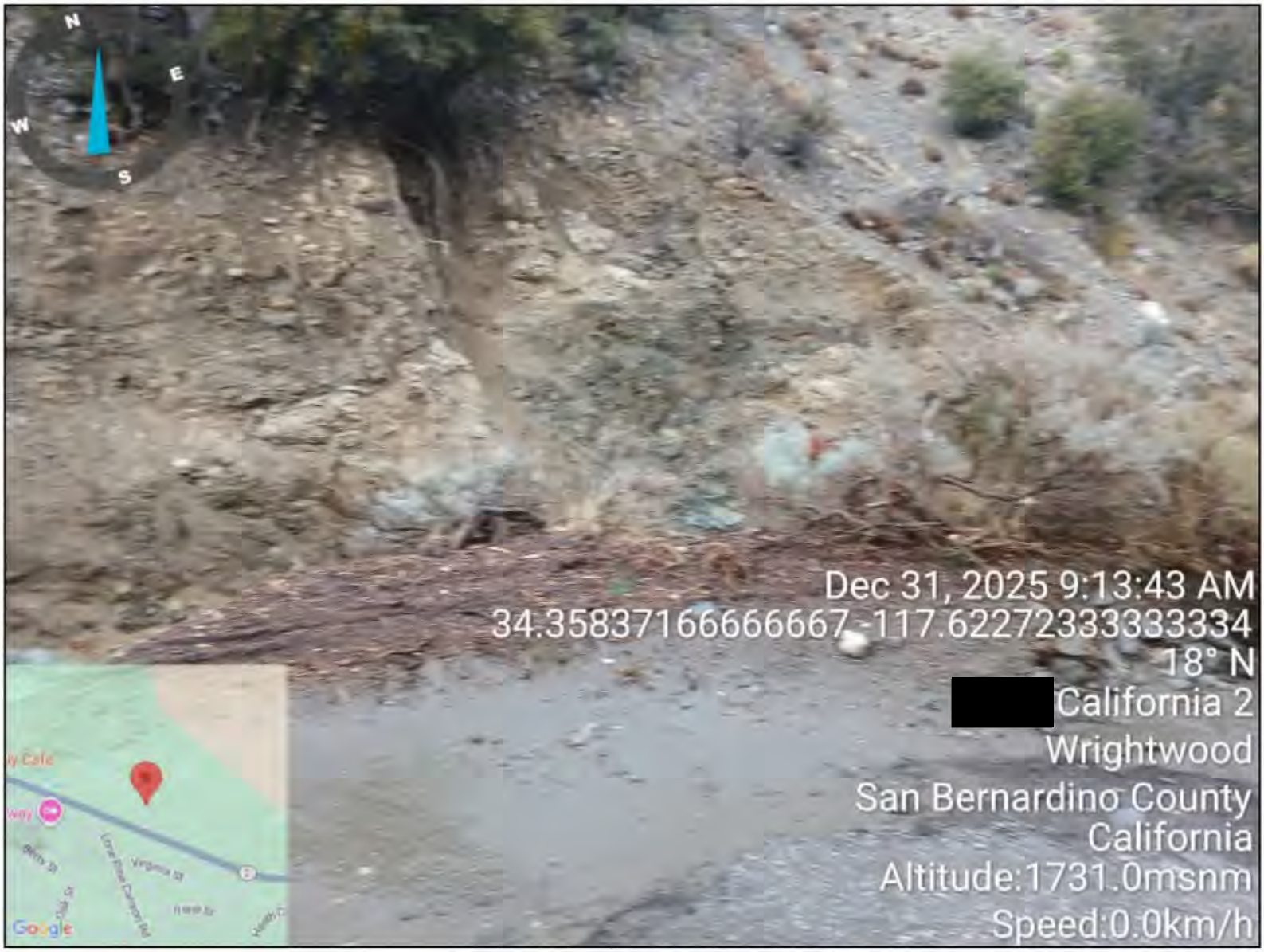
Appendix D
SB County Obs.

S10-499

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S10-500

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S10-501

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S10-502





Appendix D
SB County Obs.

S10-503

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S10-504

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S10-505

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S10-506

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S10-507

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S10-508

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



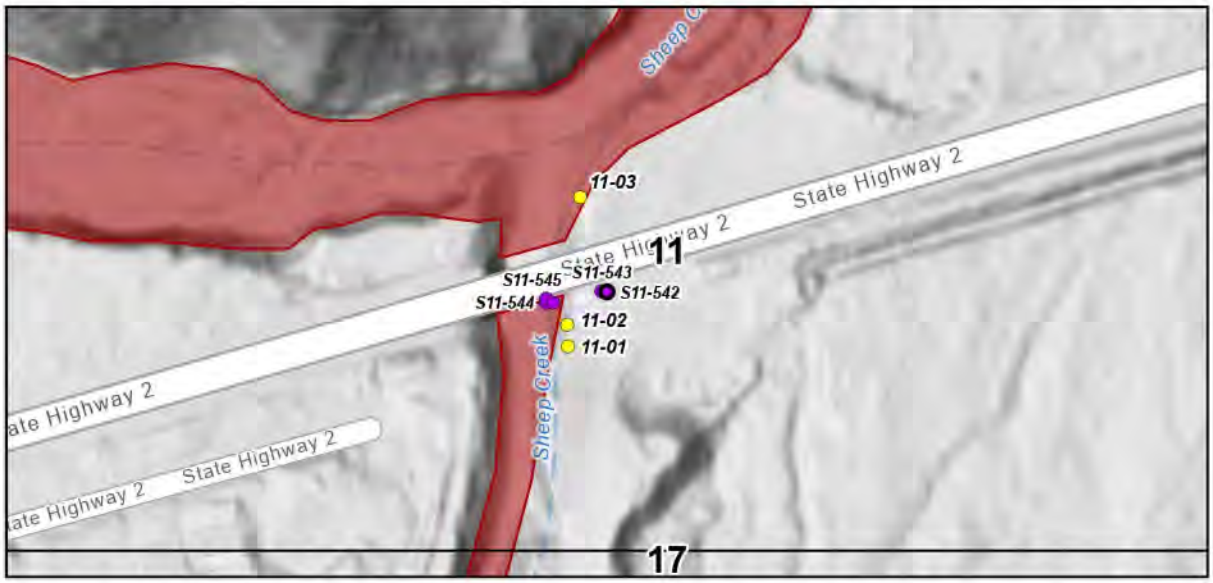


Appendix D
SB County Obs.

S11-542

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



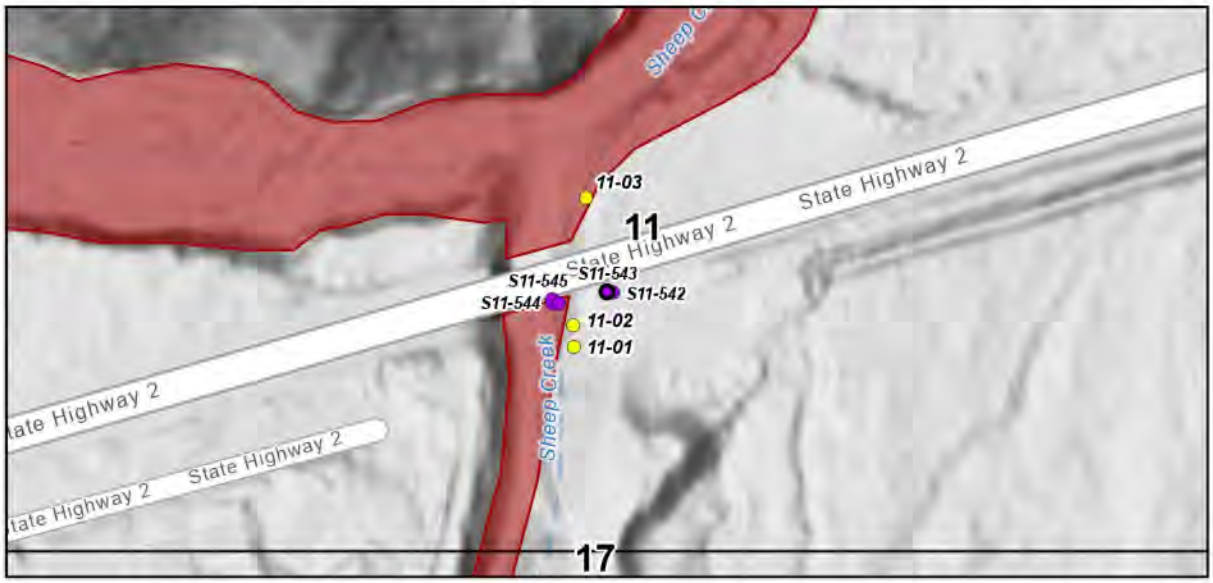


Appendix D
SB County Obs.

S11-543

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



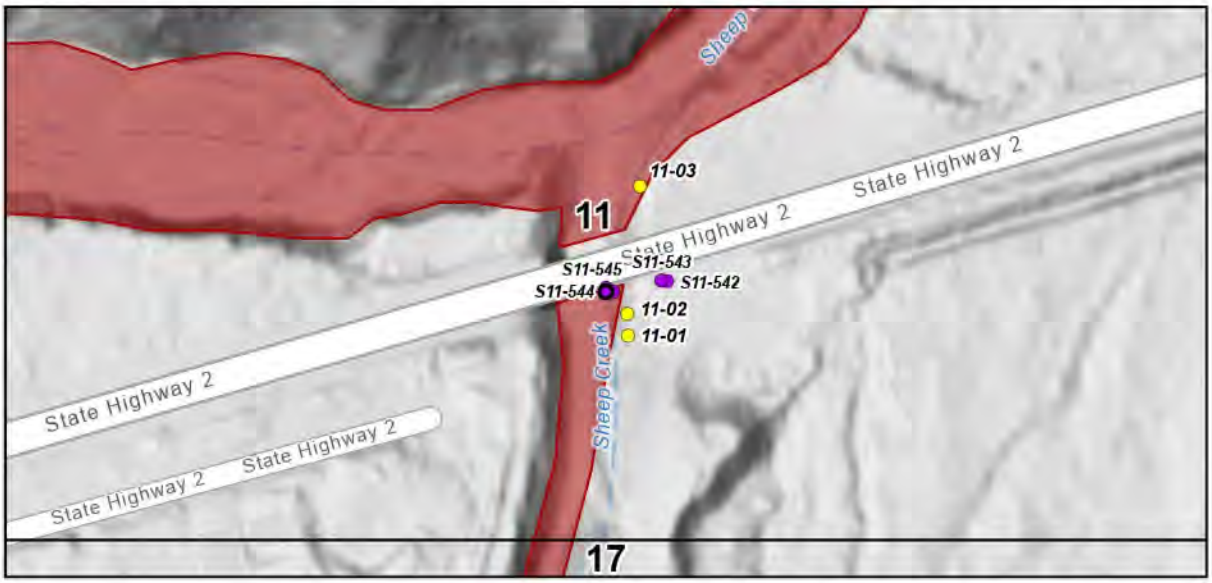


Appendix D
SB County Obs.

S11-544

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



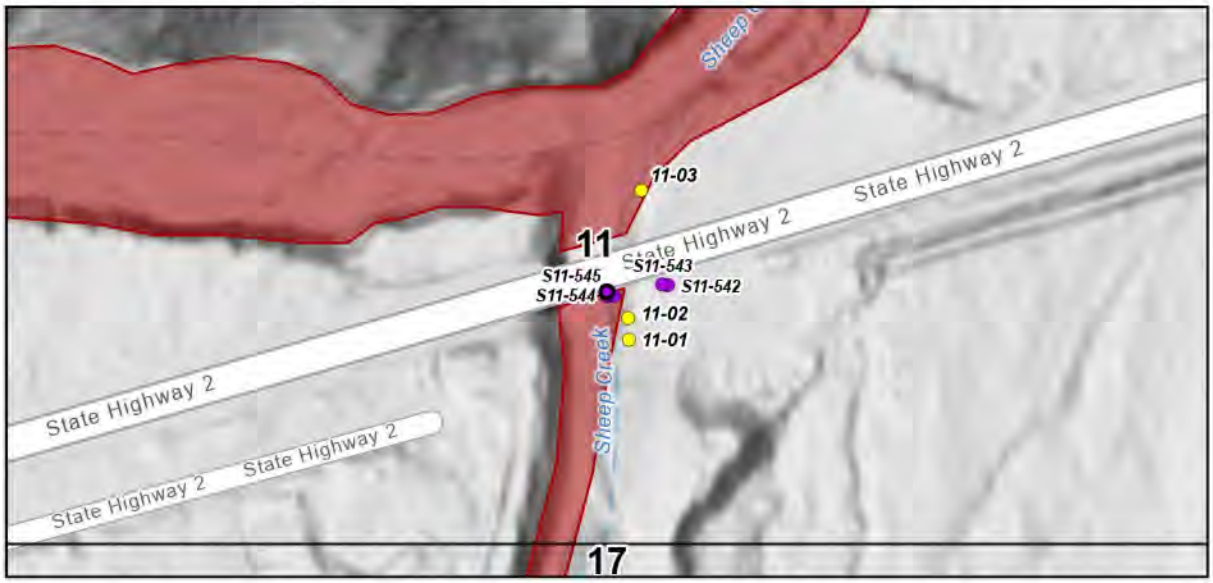


Appendix D
SB County Obs.

S11-545

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



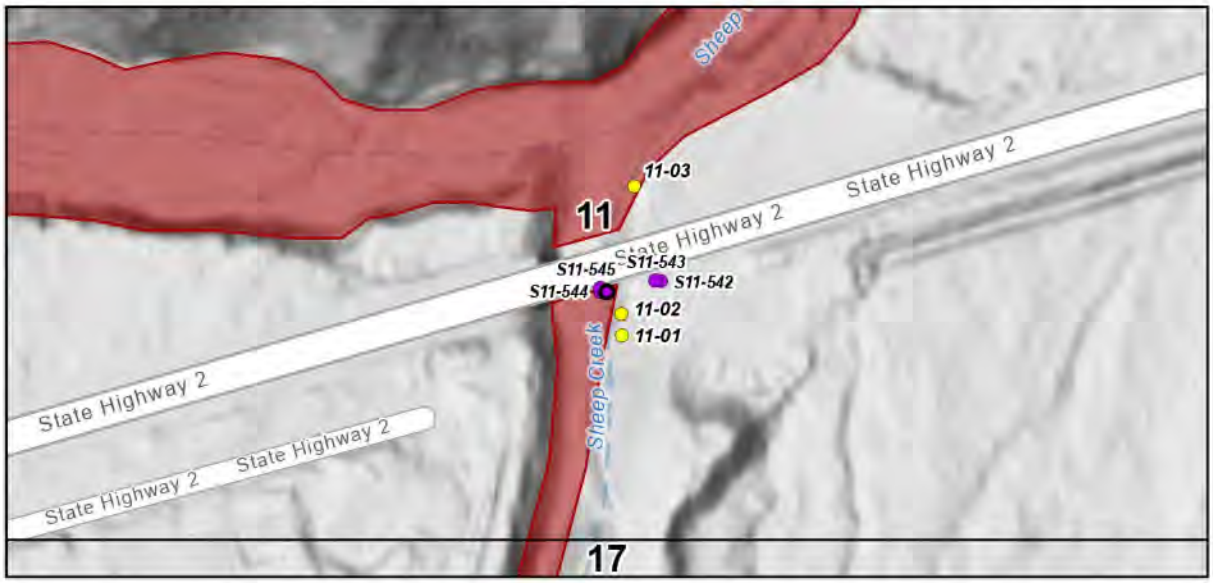


Appendix D
SB County Obs.

S11-546

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 — 50 m



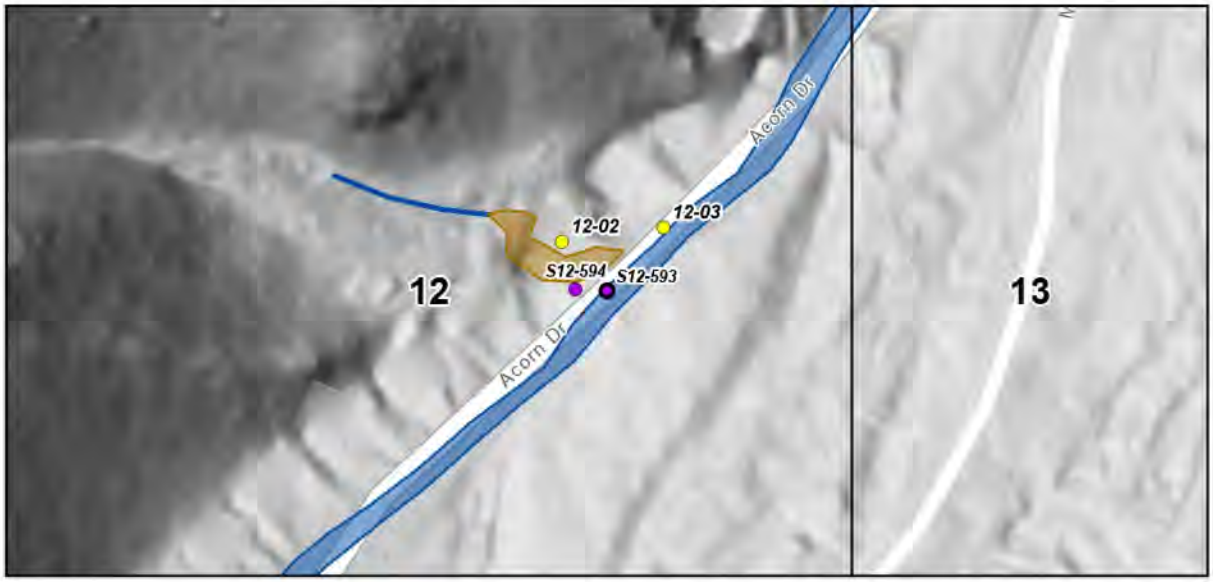


Appendix D
SB County Obs.

S12-593

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S12-594

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

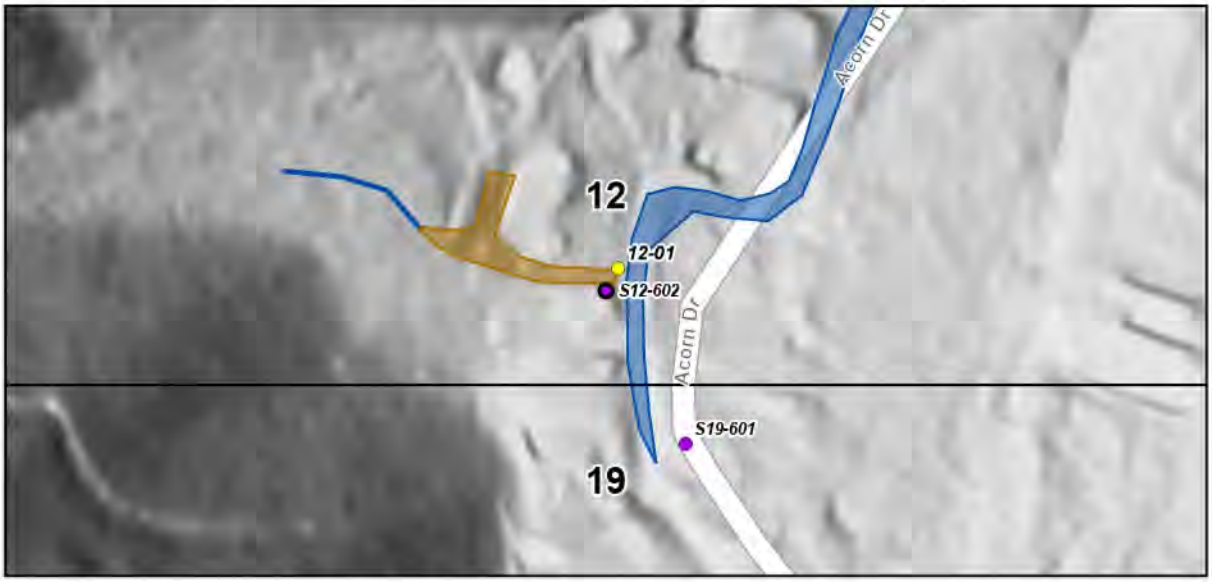
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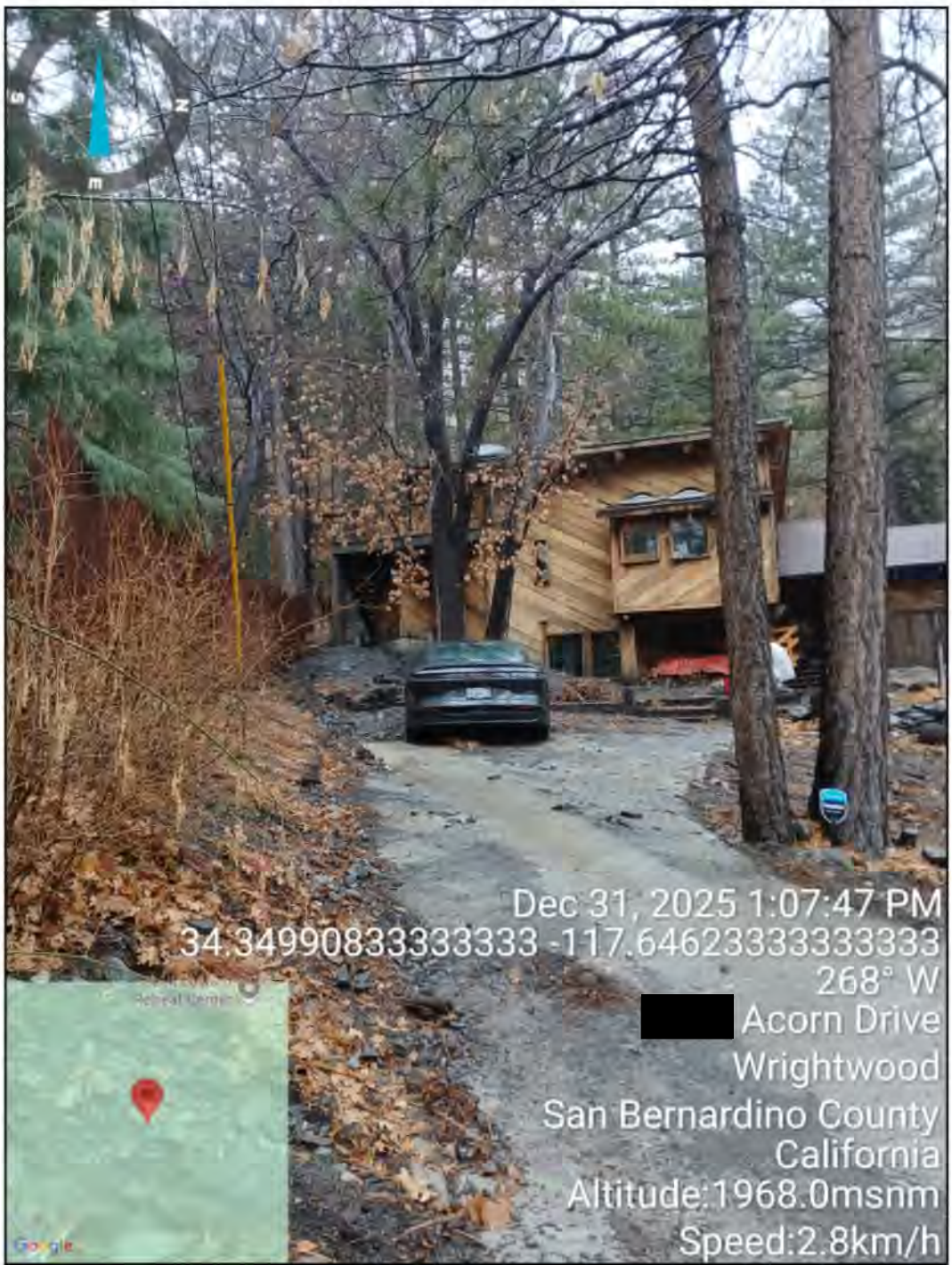




Appendix D
SB County Obs.

S12-602





Appendix D
SB County Obs.

S13-211

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S13-212

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S13-213

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S13-214

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S13-215

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



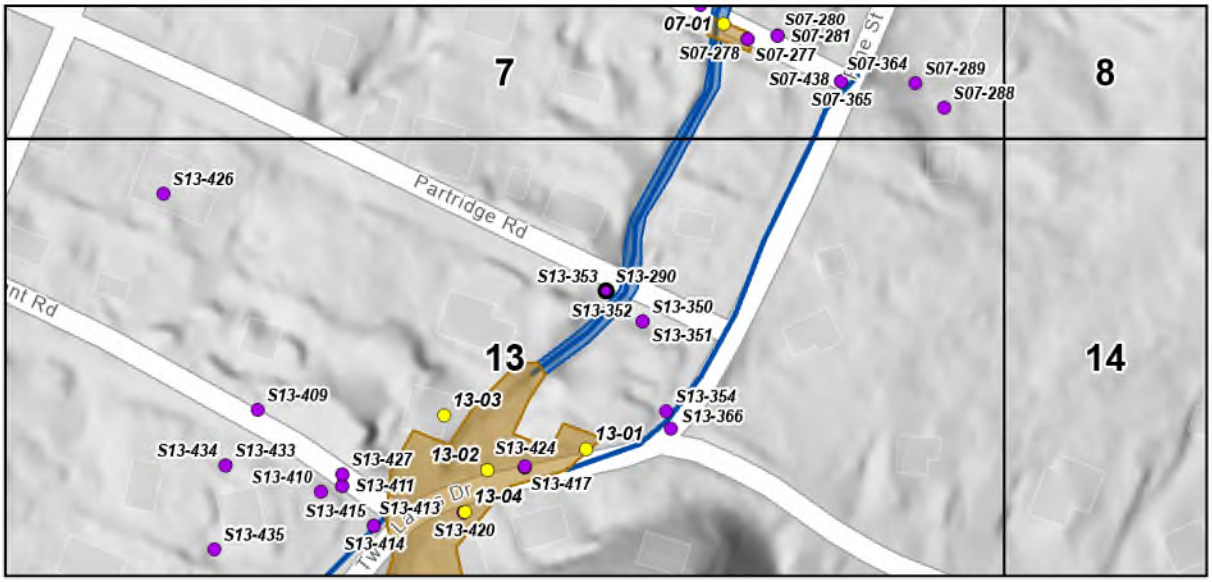


Appendix D
SB County Obs.

S13-290

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m

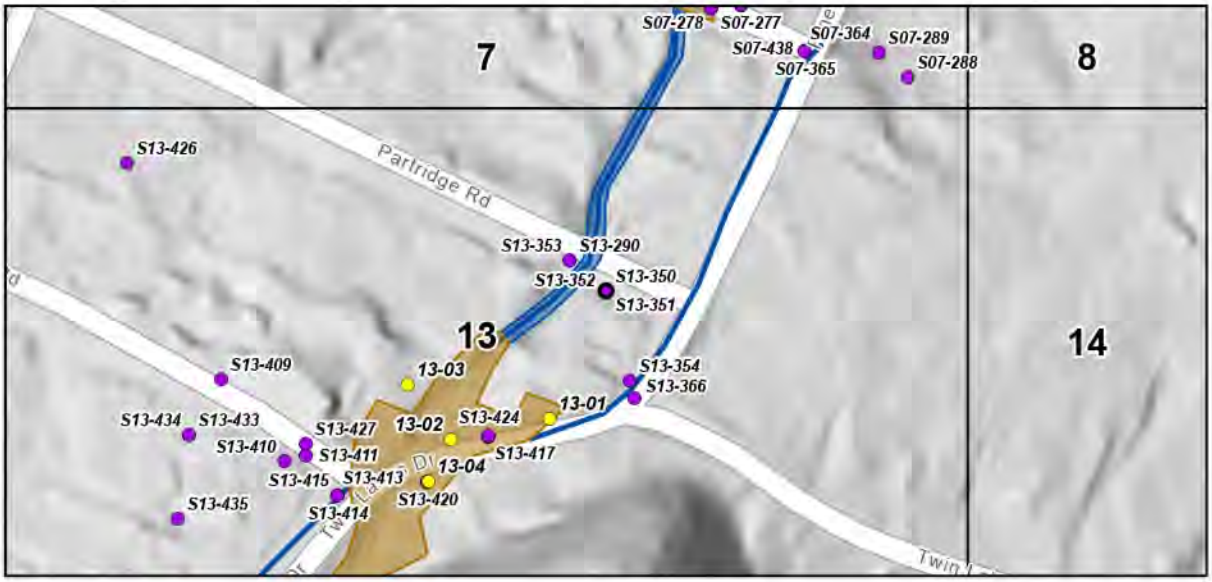




Appendix D
SB County Obs.

S13-350

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.



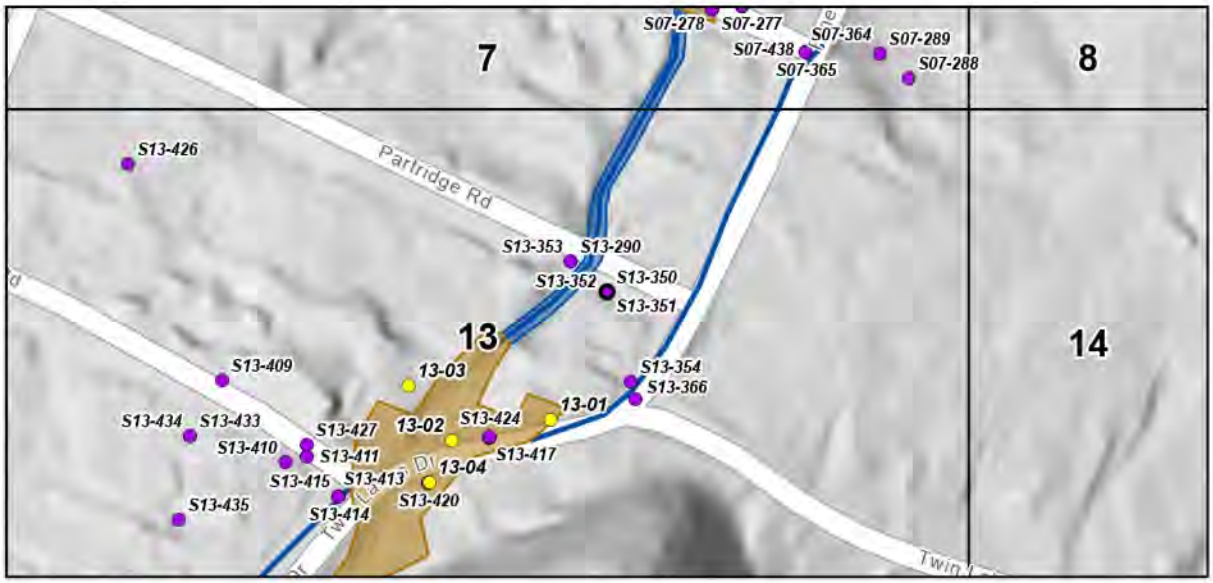


Appendix D
SB County Obs.

S13-351

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



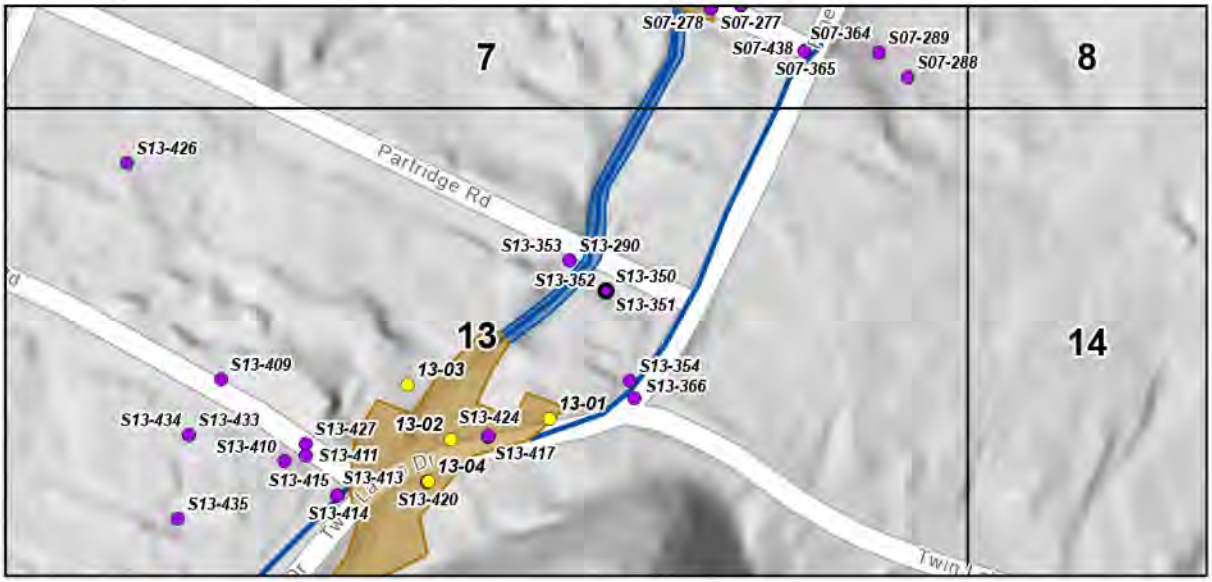


Appendix D
SB County Obs.

S13-352

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



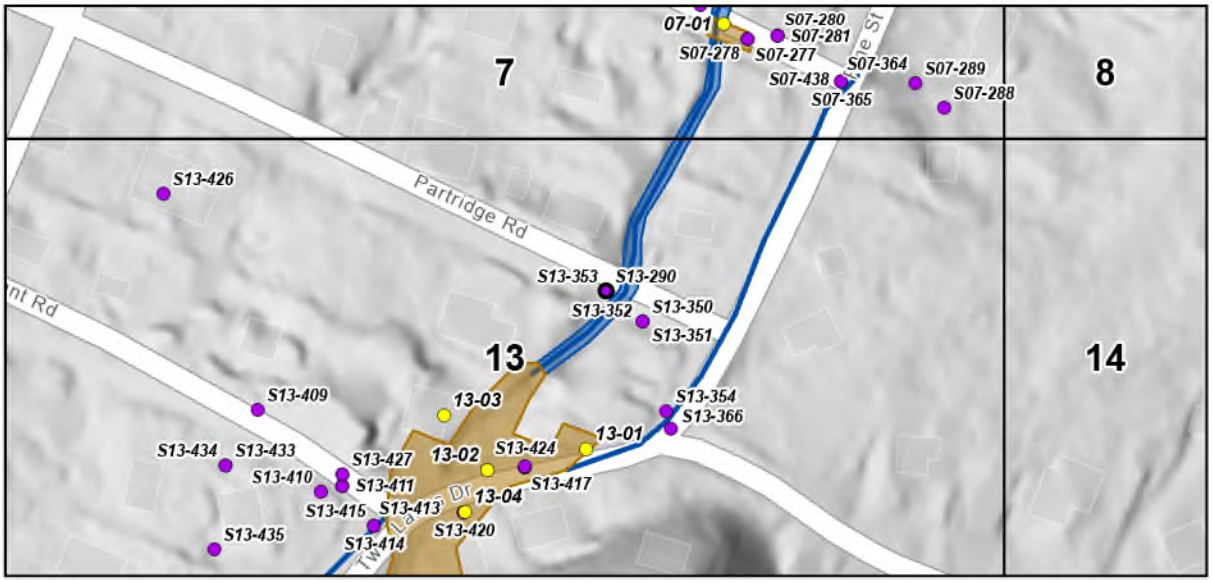


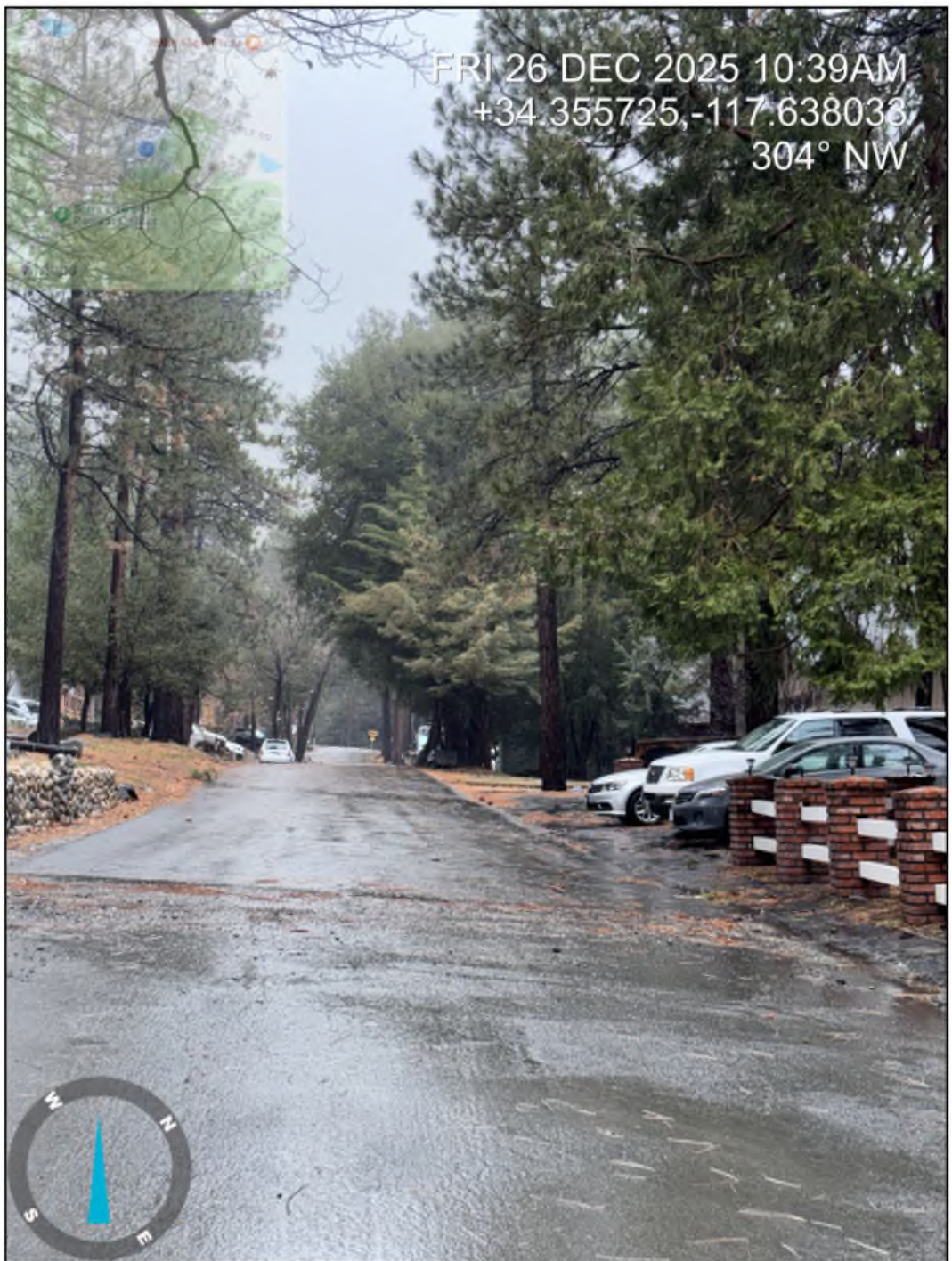
Appendix D
SB County Obs.

S13-353

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

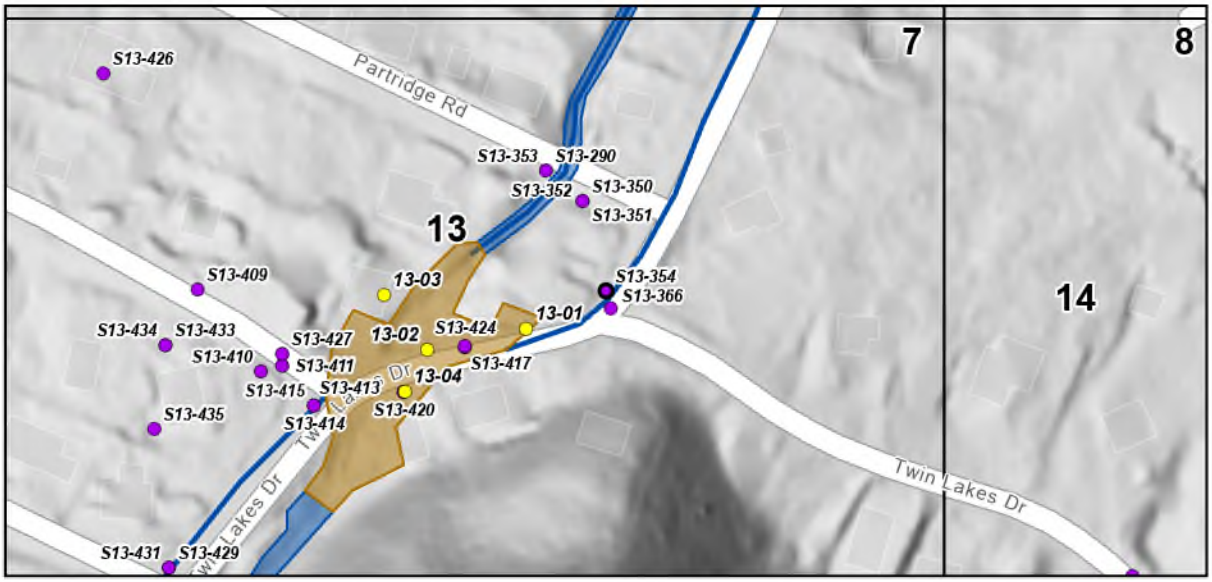
0 50 m





Appendix D
SB County Obs.

S13-354





Appendix D
SB County Obs.

S13-366

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



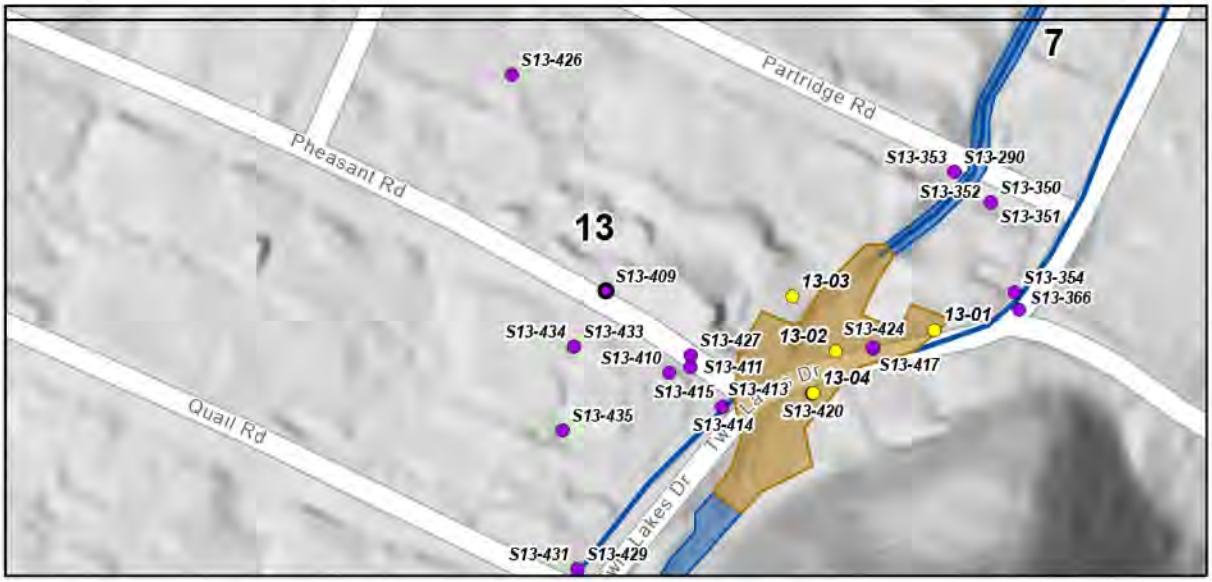


Appendix D
SB County Obs.

S13-409

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



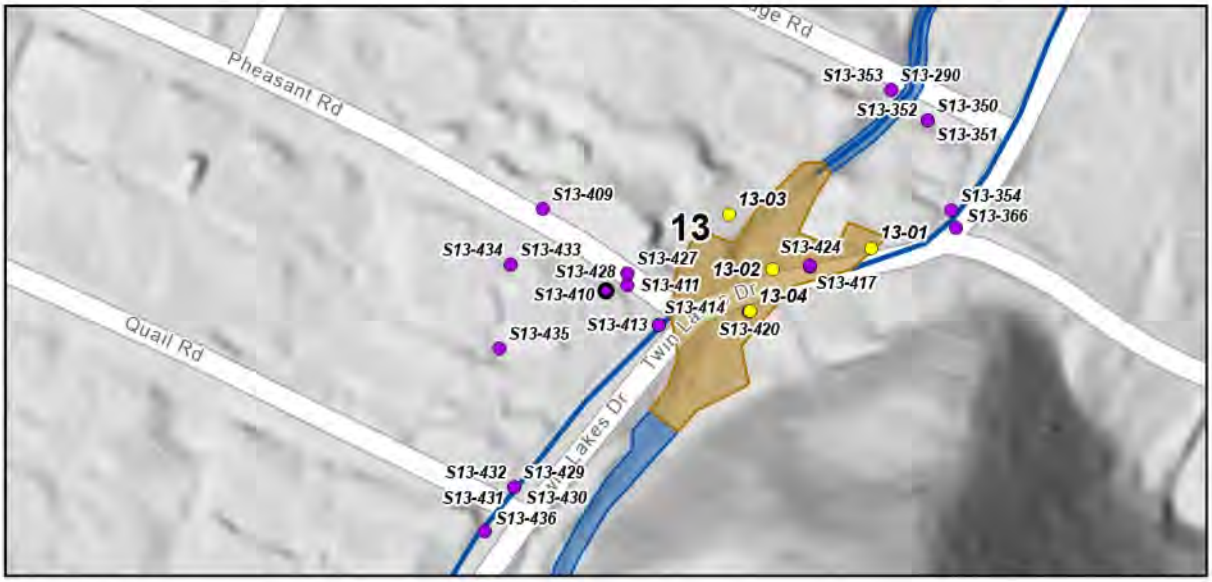


Appendix D
SB County Obs.

S13-410

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

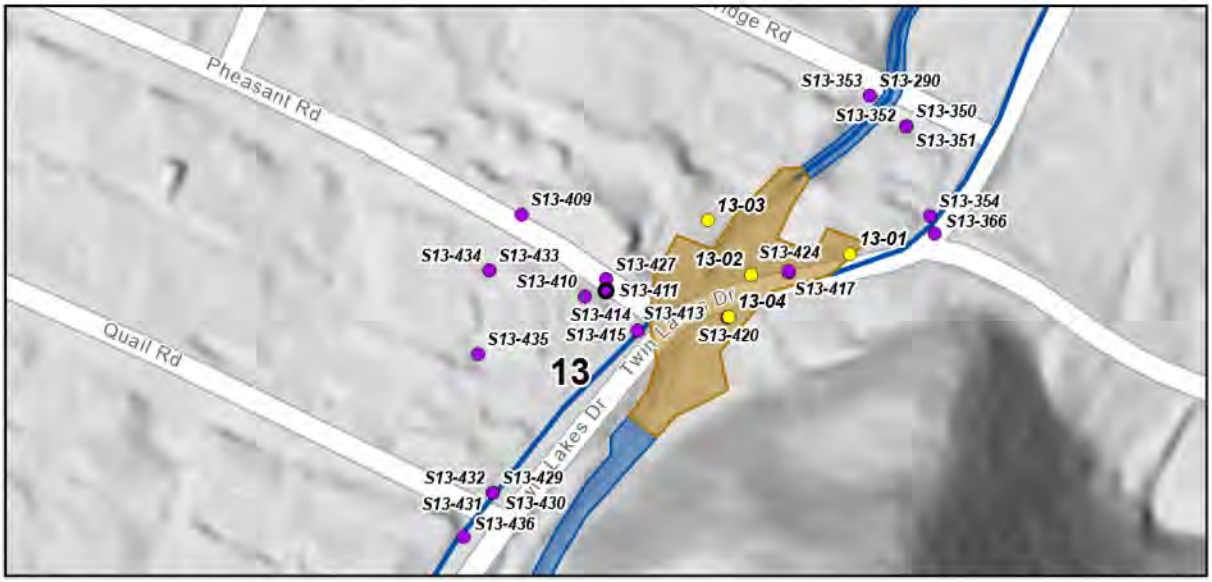
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Appendix D
SB County Obs.

S13-411



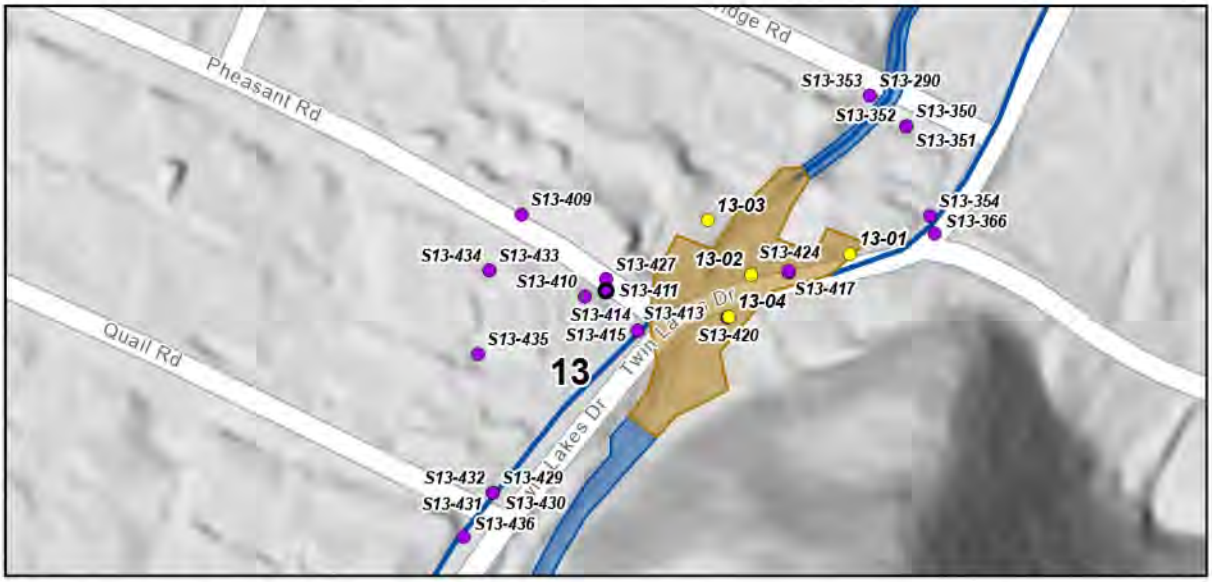
- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



Appendix D
SB County Obs.

S13-412



- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.



Appendix D
SB County Obs.

S13-413

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 — 50 m





Appendix D
SB County Obs.

S13-414

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S13-415

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S13-416

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



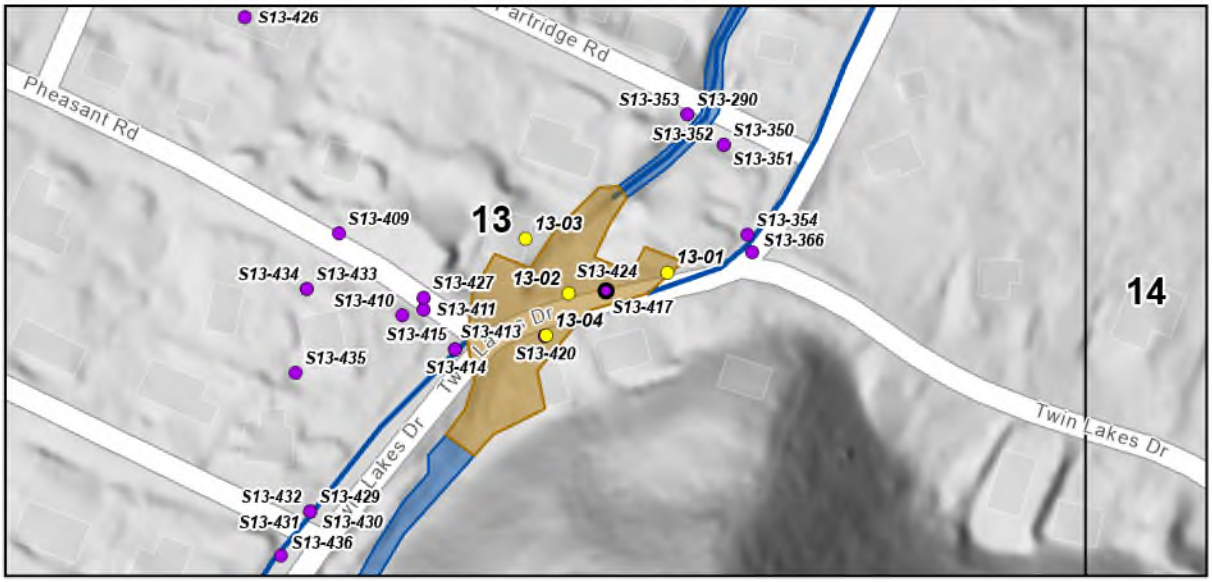


Appendix D
SB County Obs.

S13-417

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



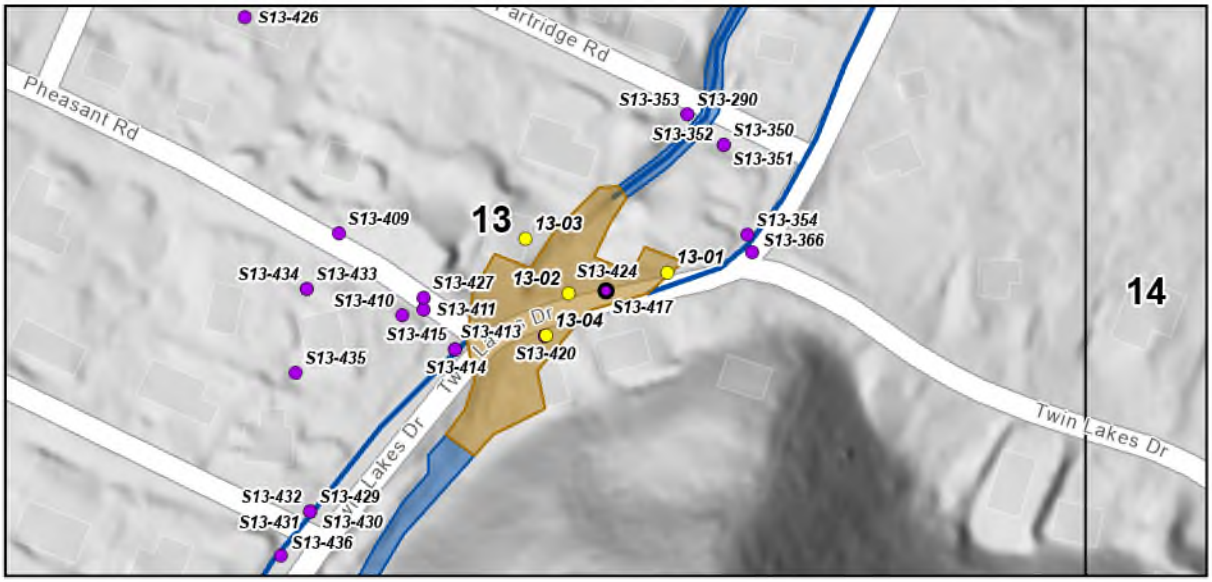


Appendix D
SB County Obs.

S13-418

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



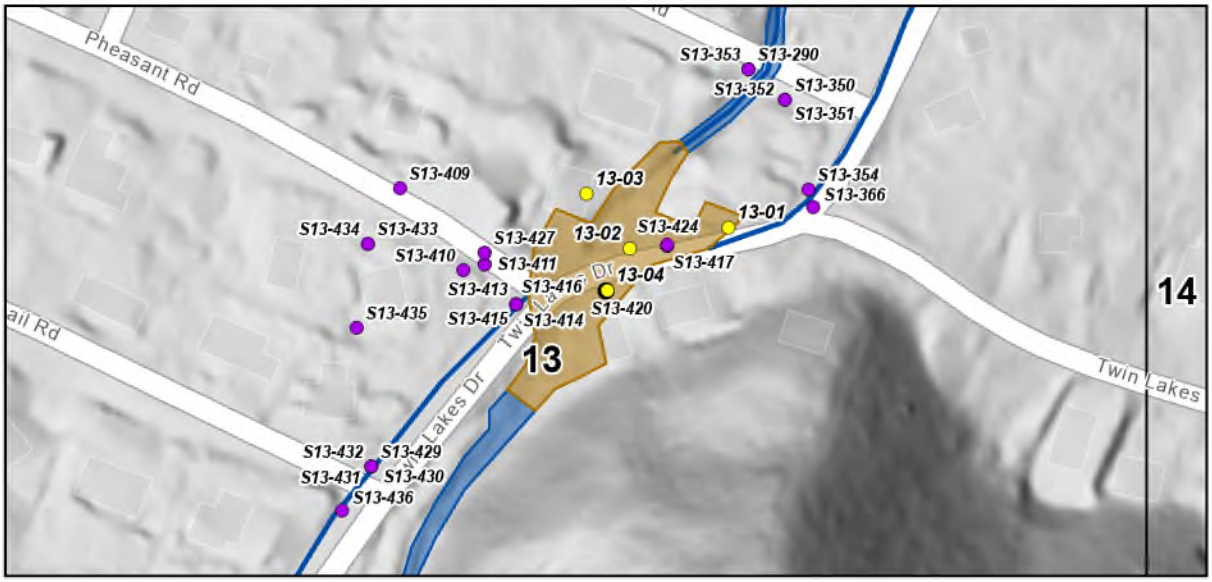


Appendix D
SB County Obs.

S13-419

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



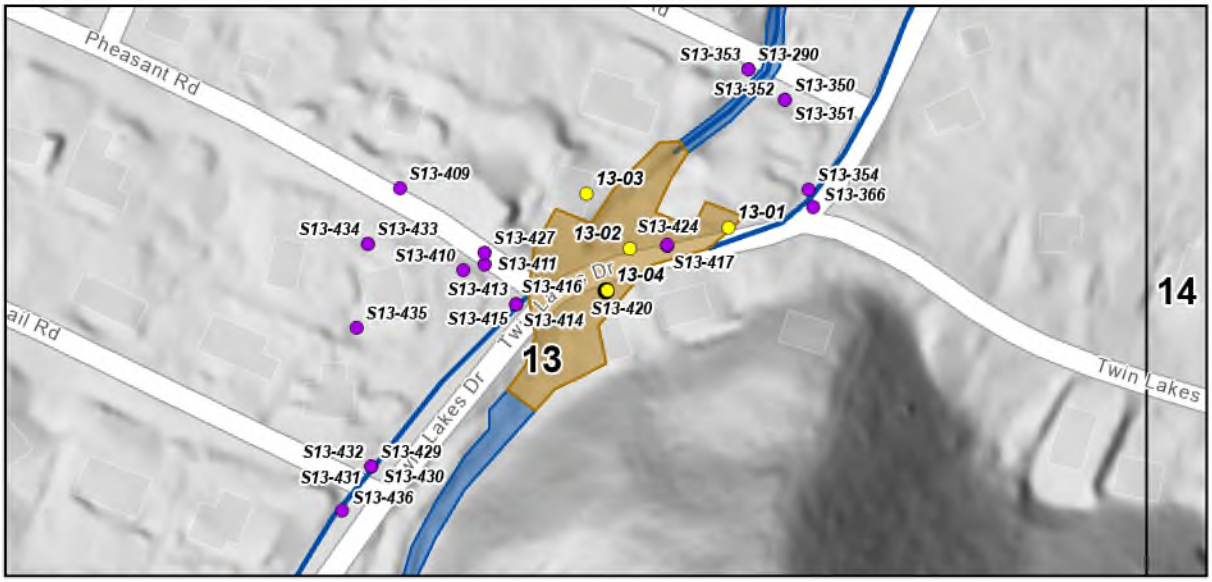


Appendix D
SB County Obs.

S13-420

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



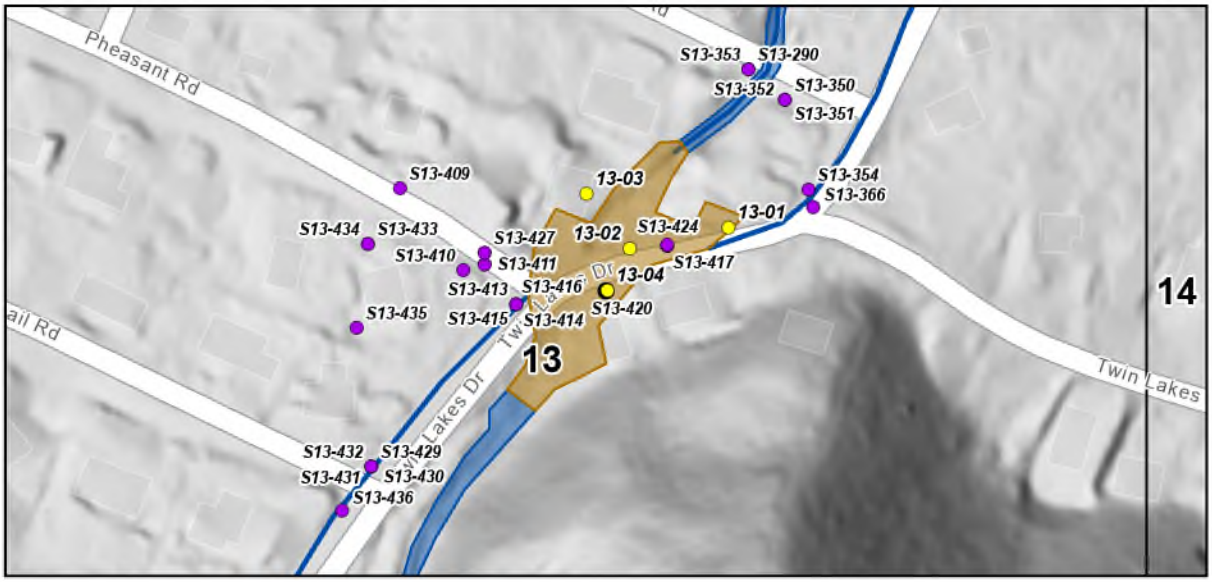


Appendix D
SB County Obs.

S13-421

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

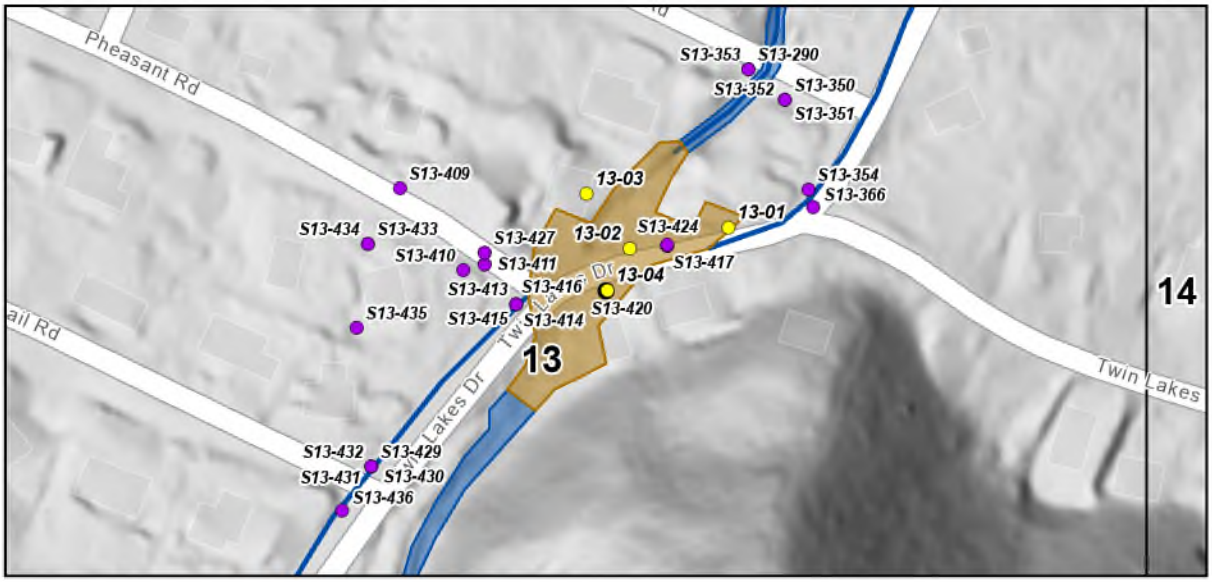
0 50 m





Appendix D
SB County Obs.

S13-422



Deposit Polygons
Transport Polygons
Source Polygons
Flowlines
CGS Observations
SB County Obs.
LA County Obs.

0 50 m

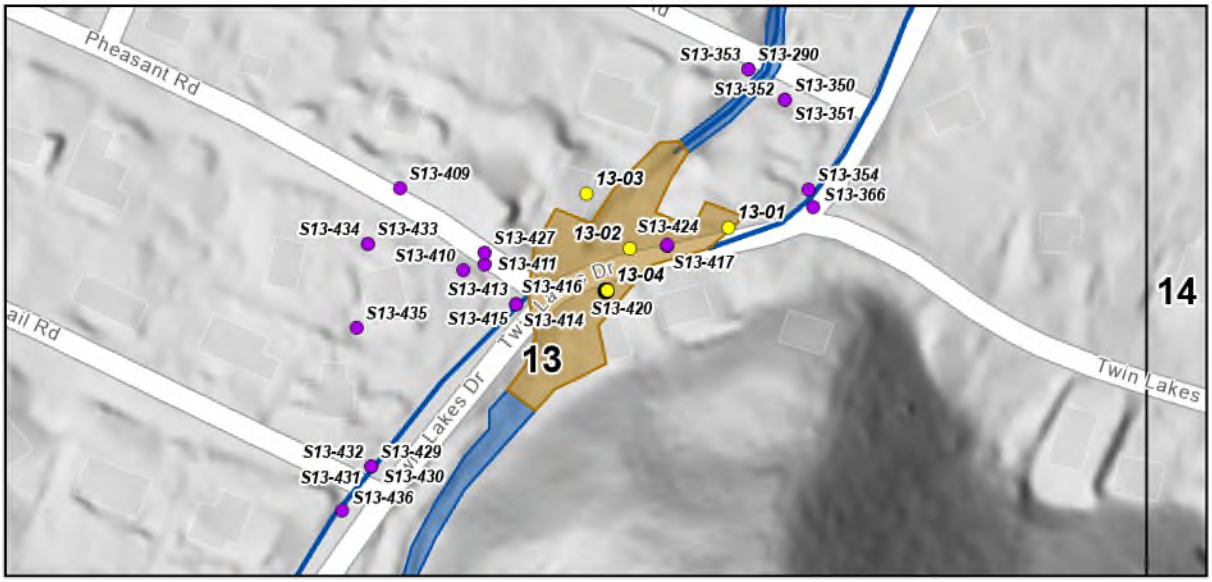


Appendix D
SB County Obs.

S13-423

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



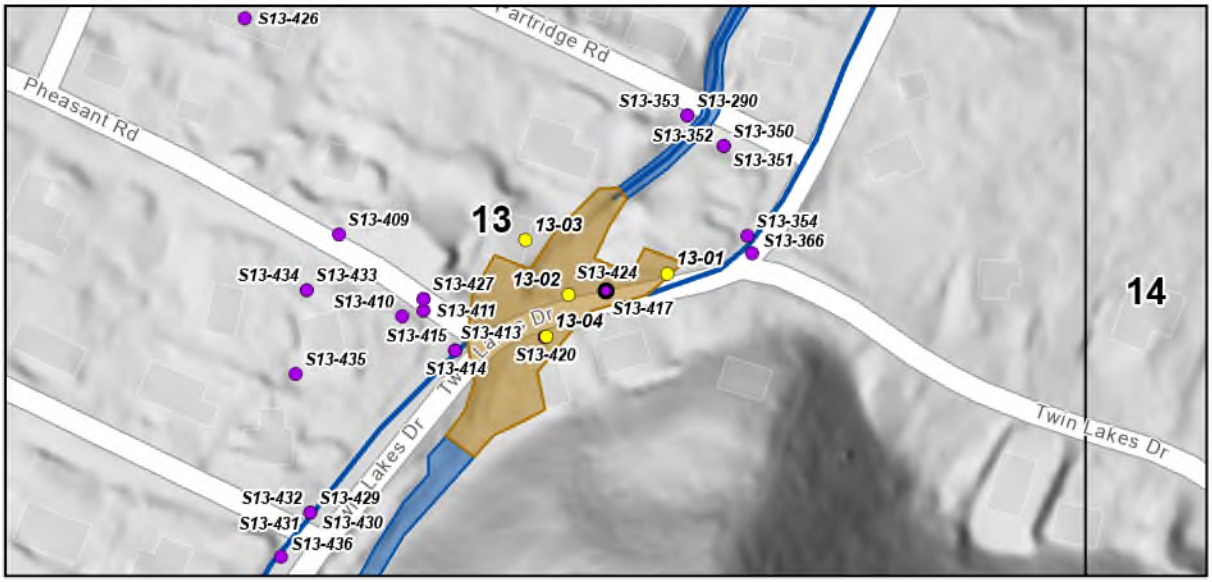


Appendix D
SB County Obs.

S13-424

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





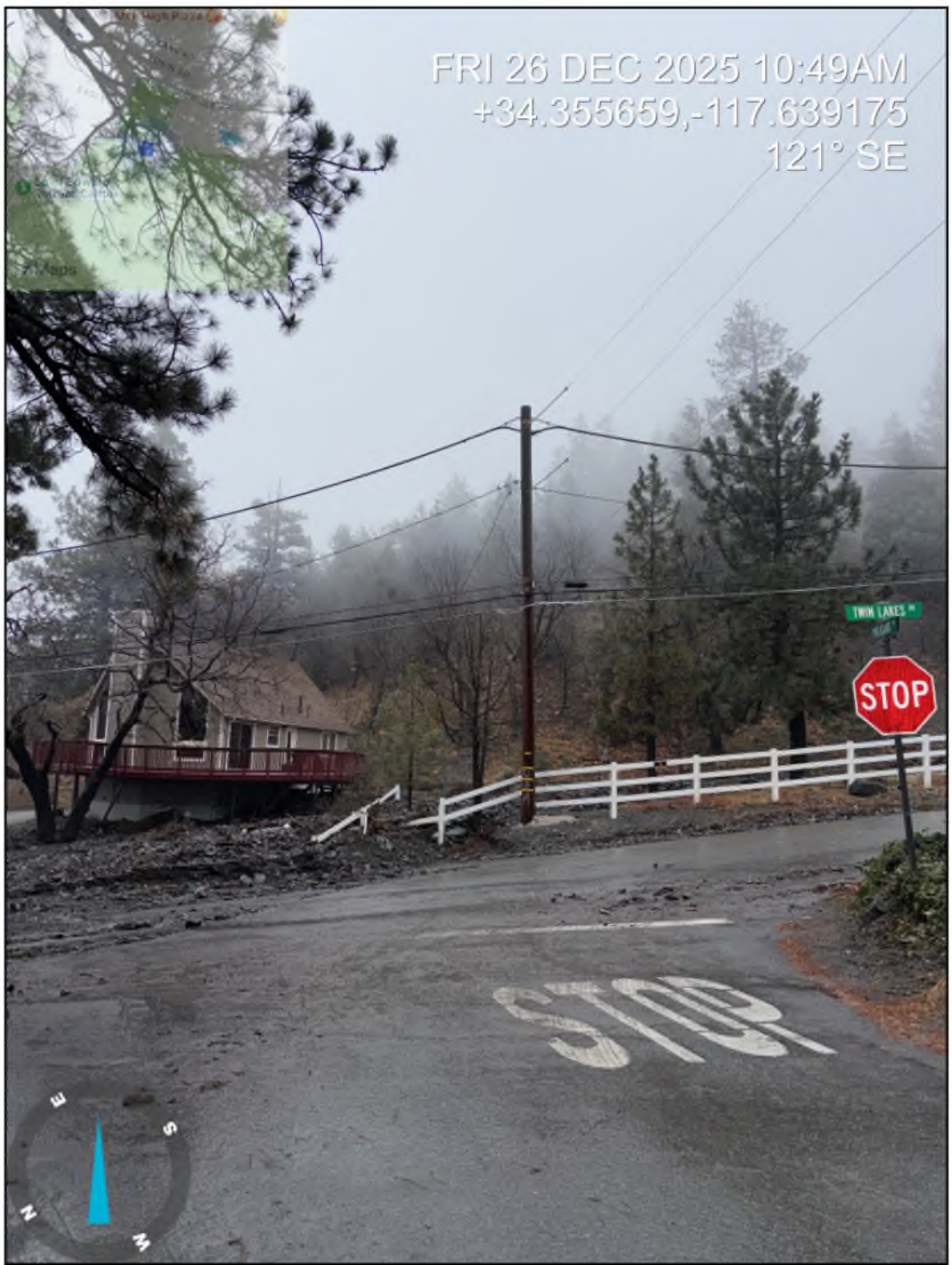
Appendix D
SB County Obs.

S13-426

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



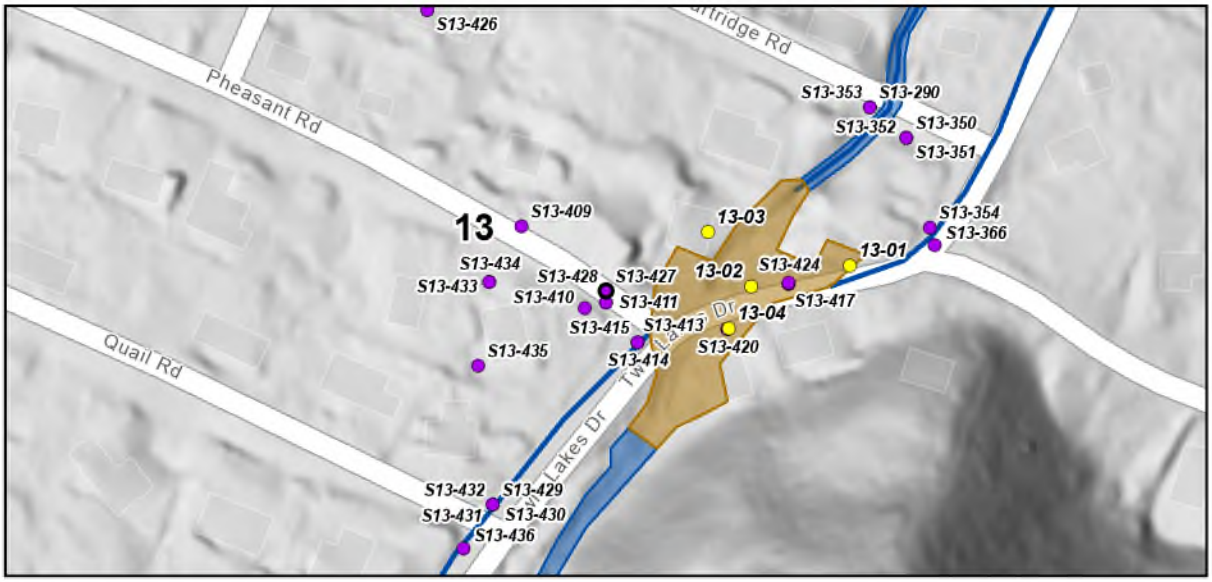


Appendix D
SB County Obs.

S13-427

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



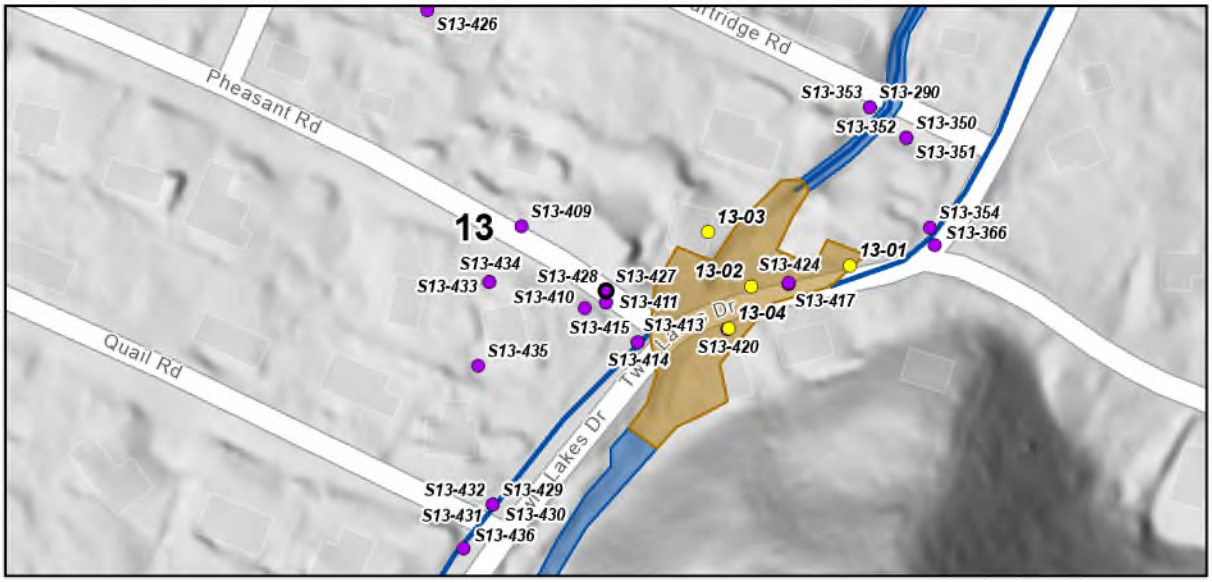


Appendix D
SB County Obs.

S13-428

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



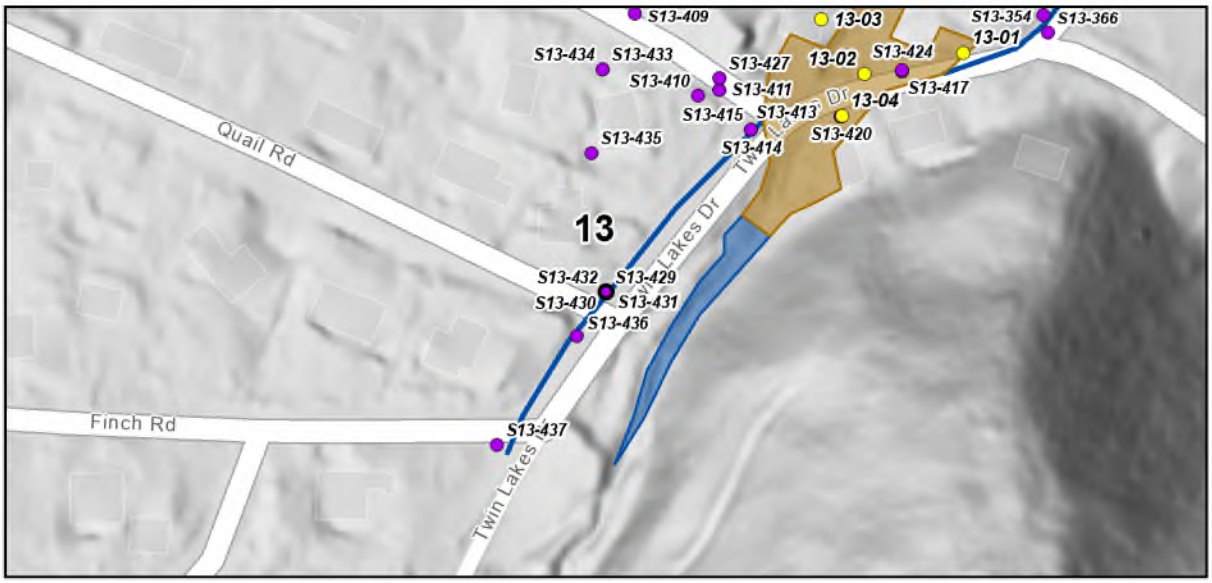


Appendix D
SB County Obs.

S13-429

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

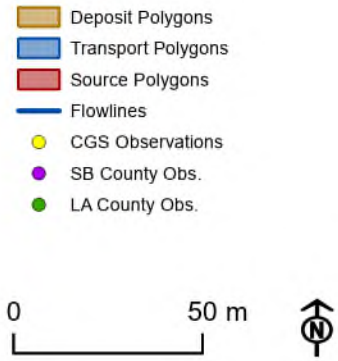
0 50 m

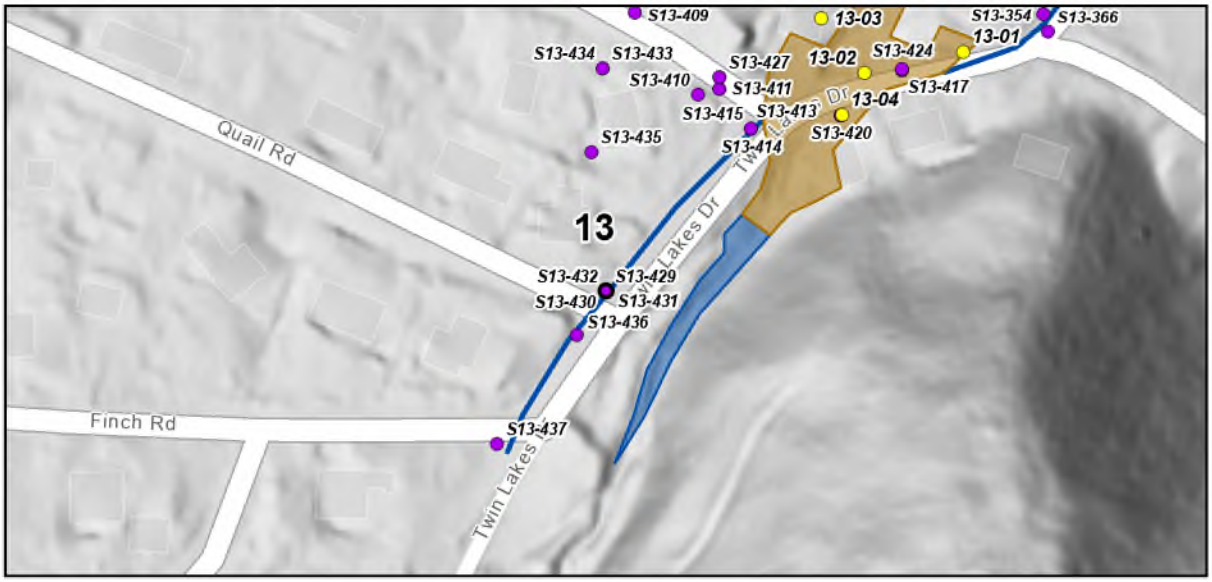




Appendix D
SB County Obs.

S13-430





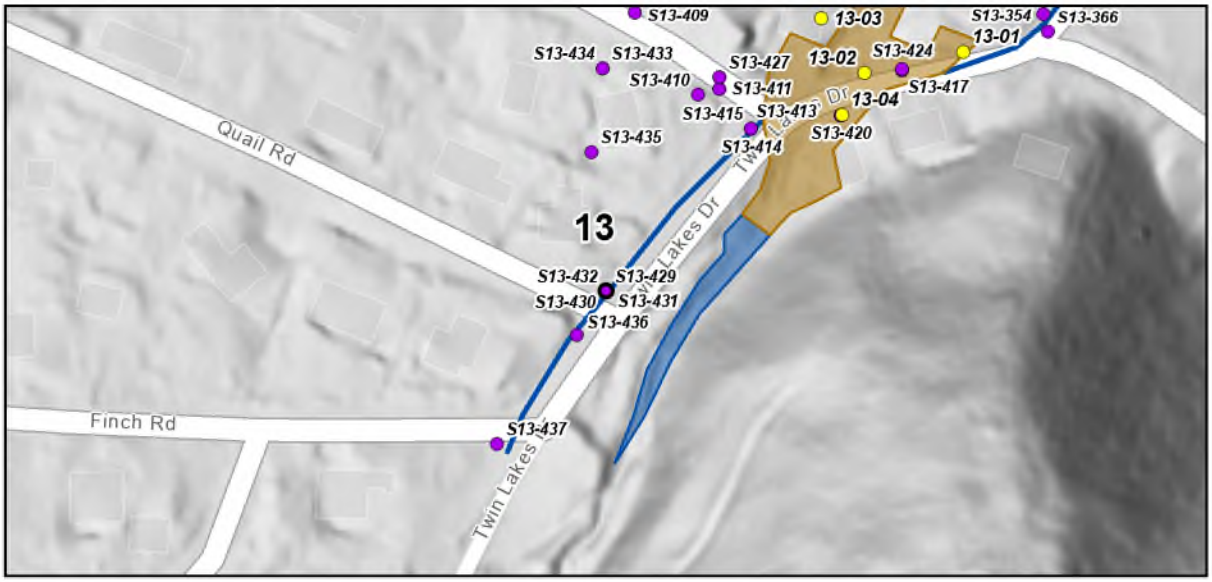


Appendix D
SB County Obs.

S13-431

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



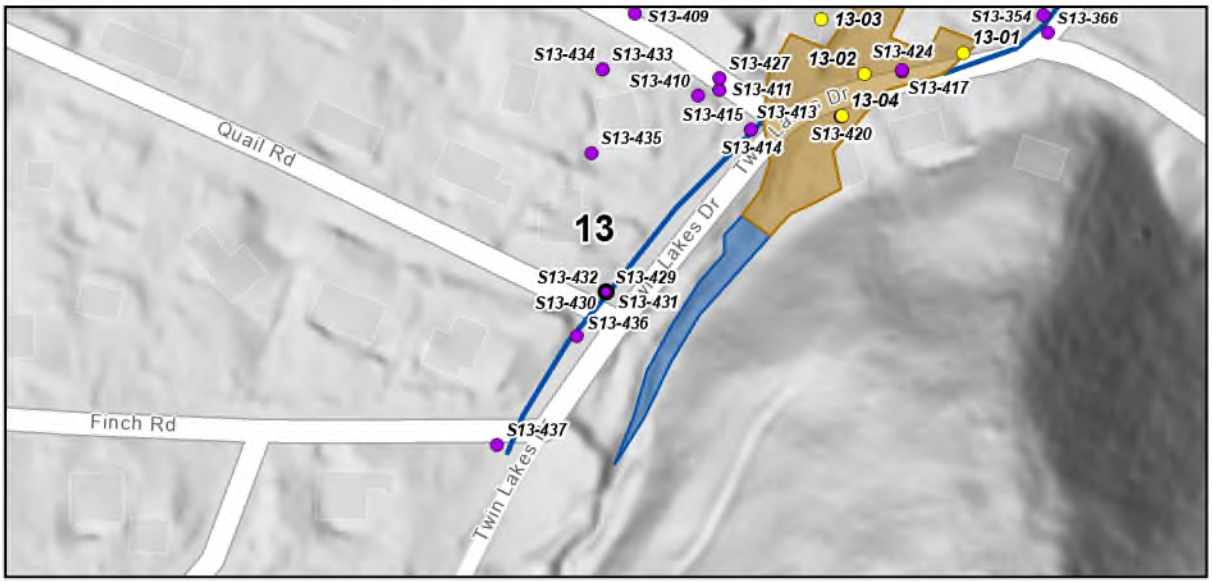


Appendix D
SB County Obs.

S13-432

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S13-433

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S13-434

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S13-435

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



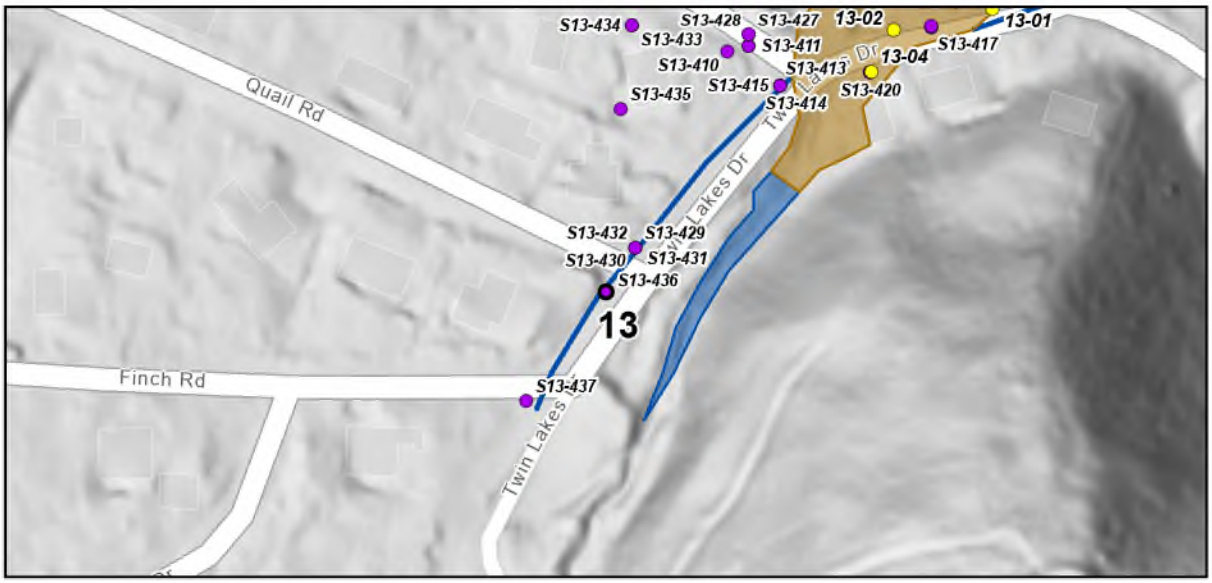


Appendix D
SB County Obs.

S13-436

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



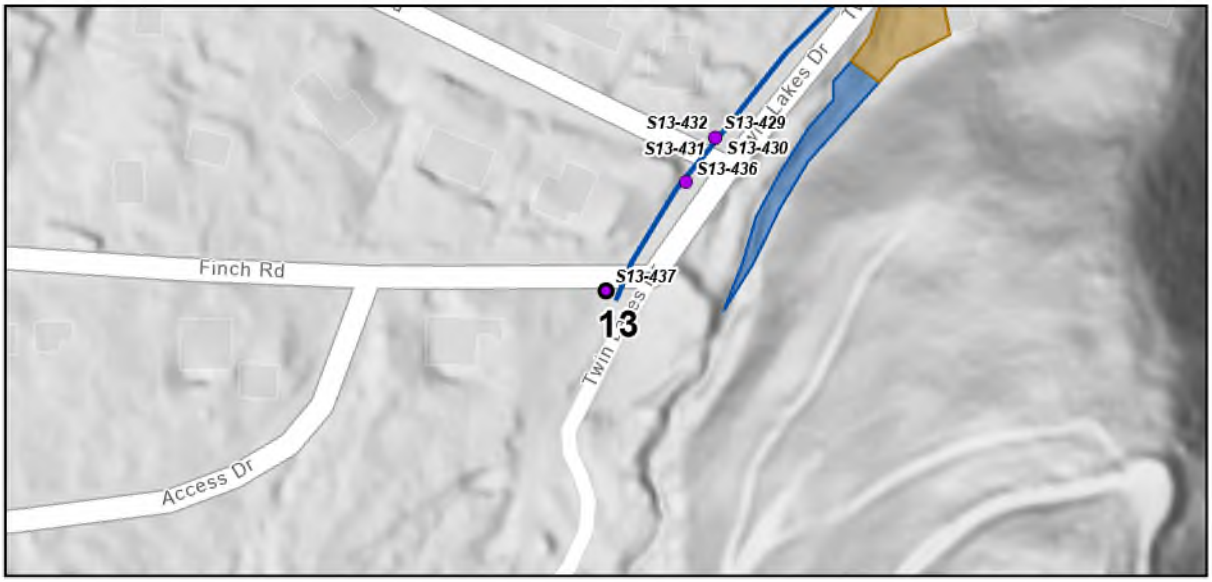


Appendix D
SB County Obs.

S13-437

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



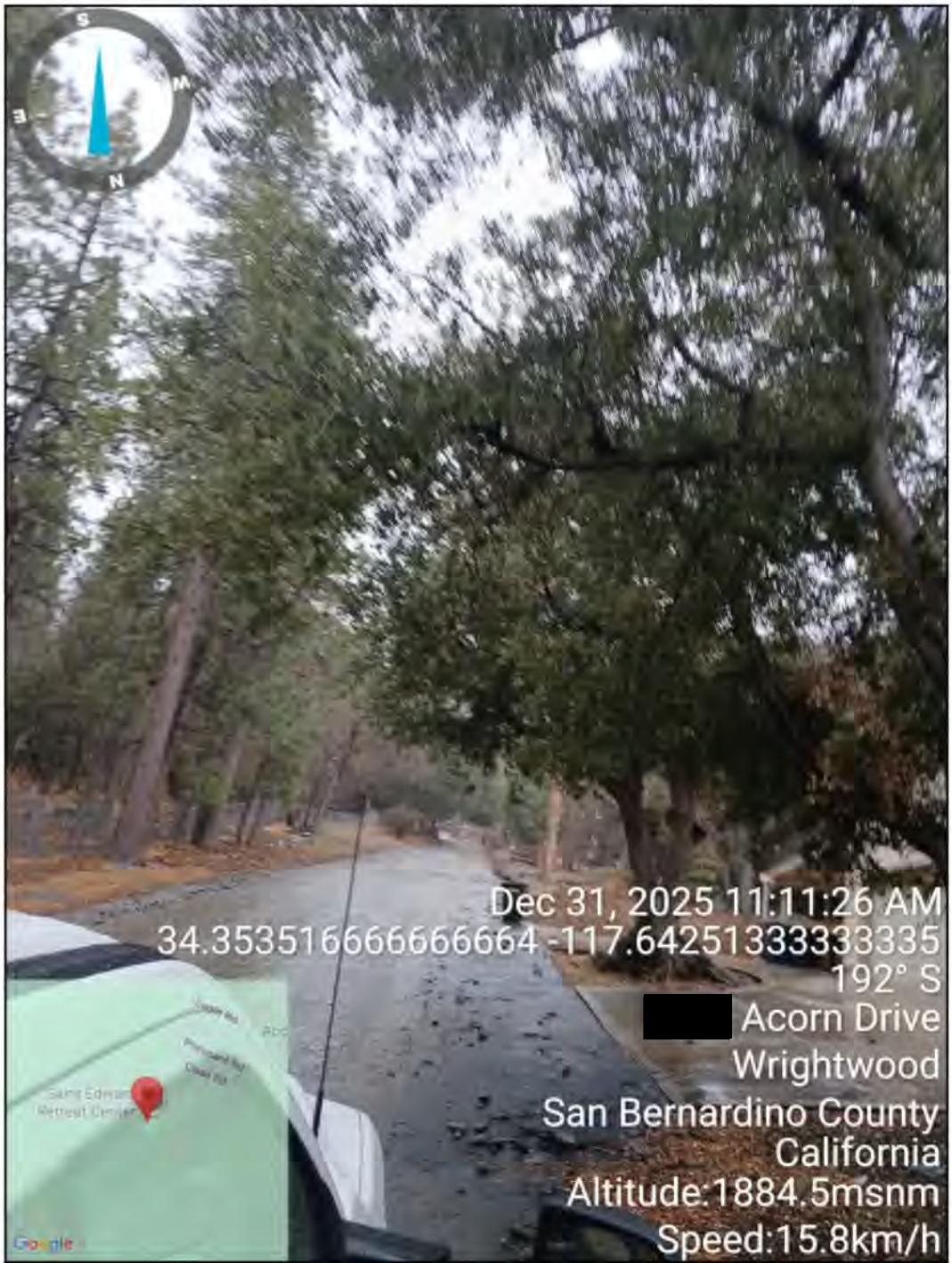


Appendix D
SB County Obs.

S13-589







Appendix D
SB County Obs.

S13-590

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



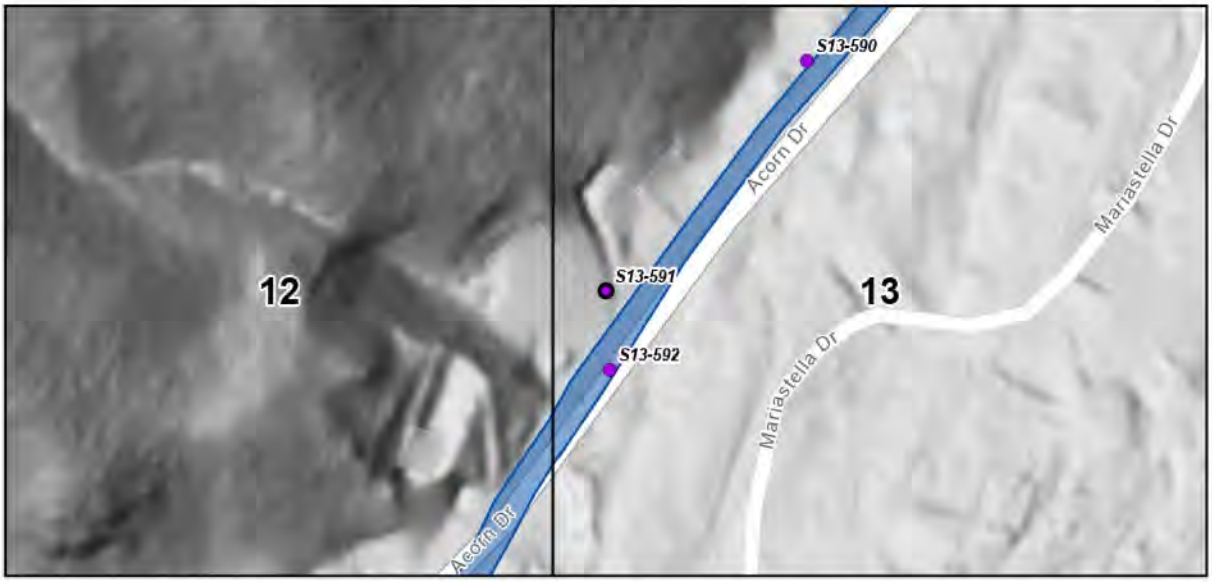


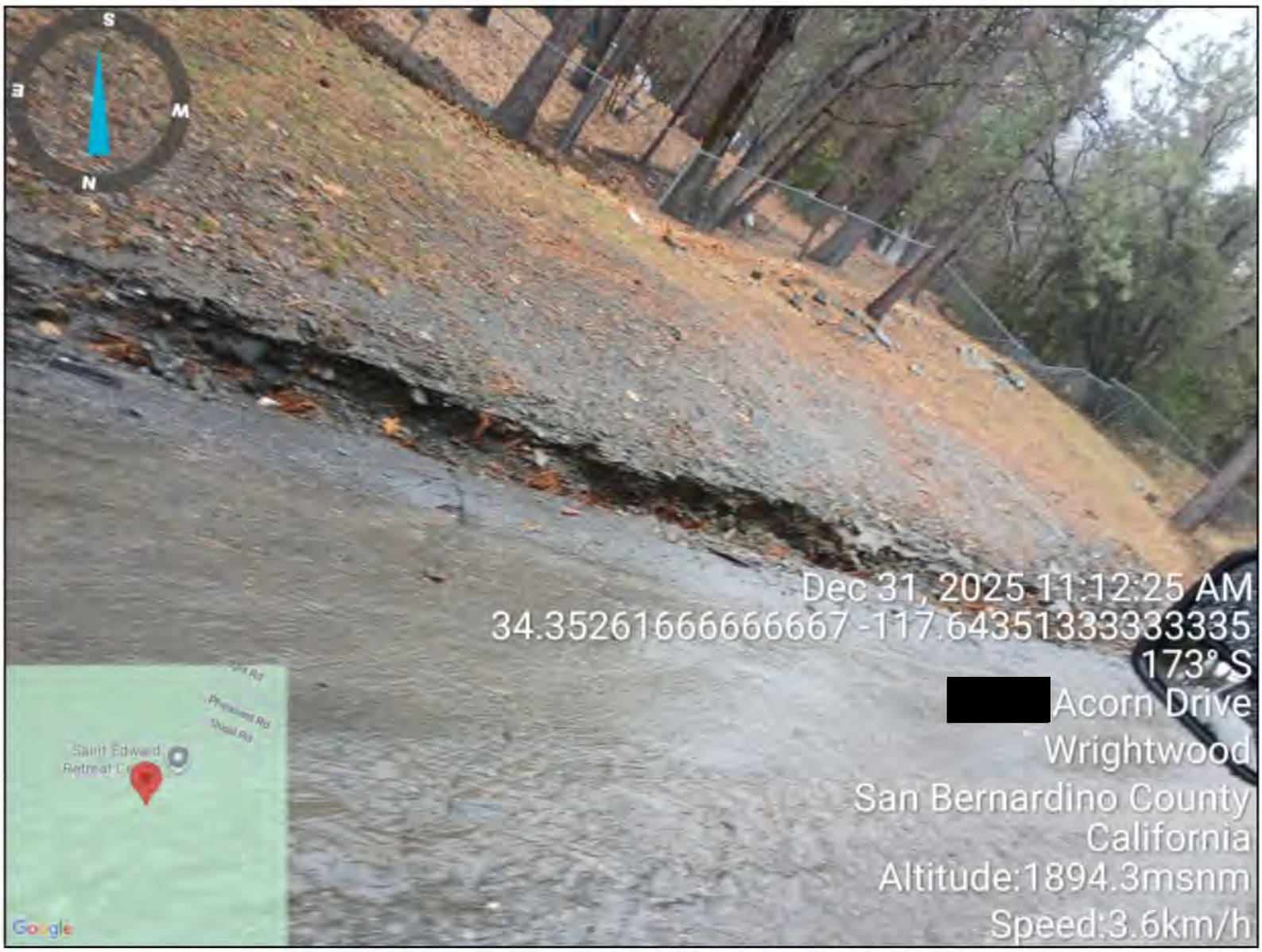
Appendix D
SB County Obs.

S13-591

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S13-592

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S14-425

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



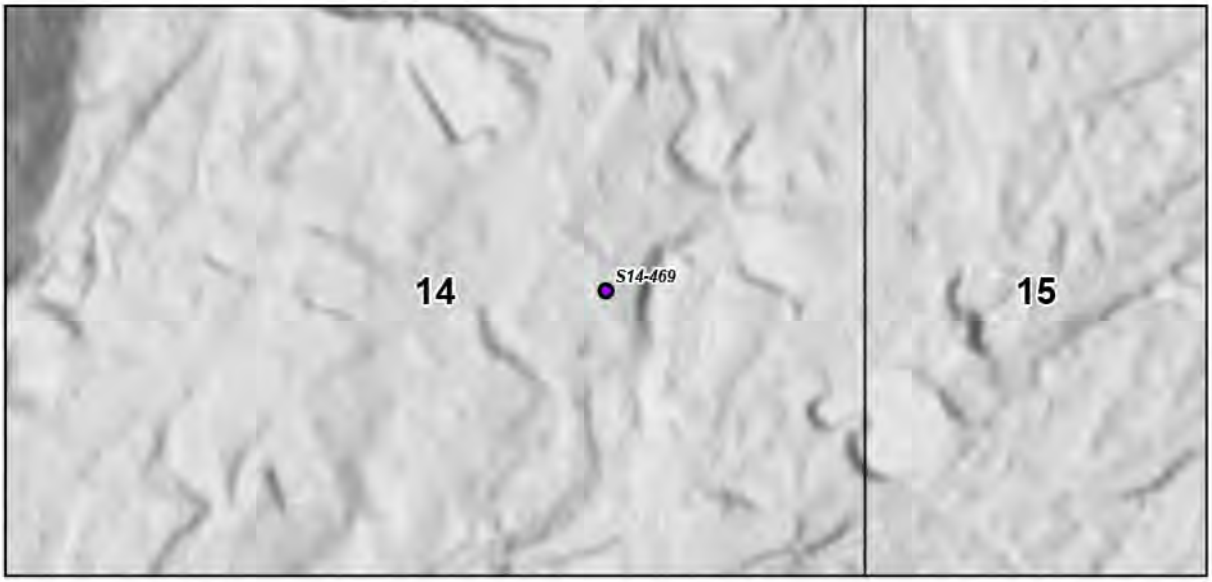


Appendix D
SB County Obs.

S14-469

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S14-552

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S14-553

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S14-554

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



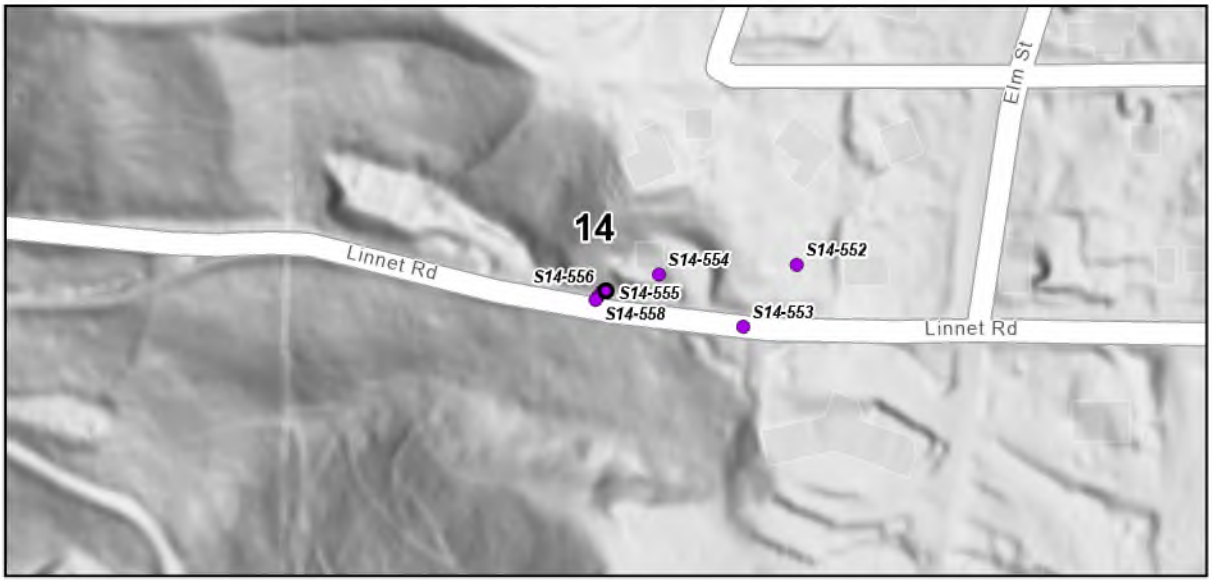


Appendix D
SB County Obs.

S14-555

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m

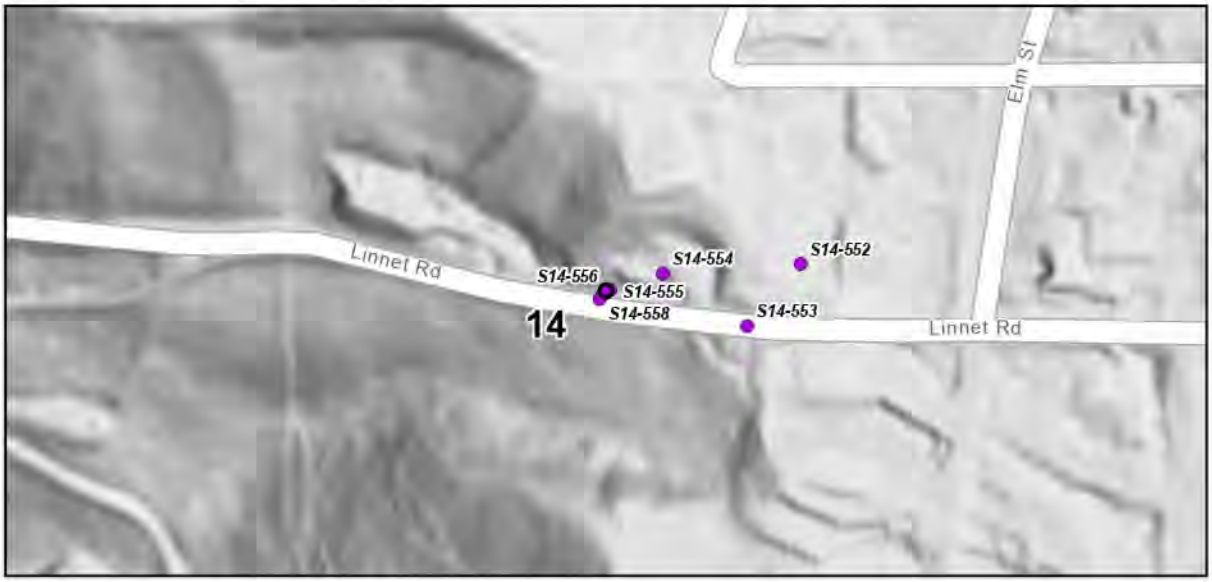


Appendix D
SB County Obs.

S14-556

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



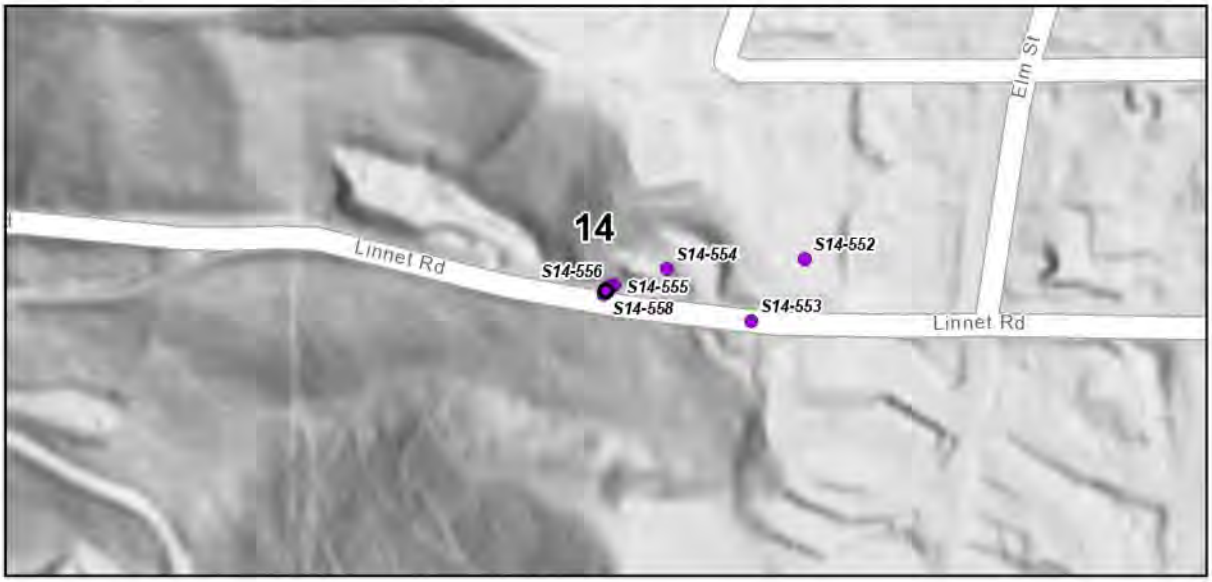


Appendix D
SB County Obs.

S14-557

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 — 50 m



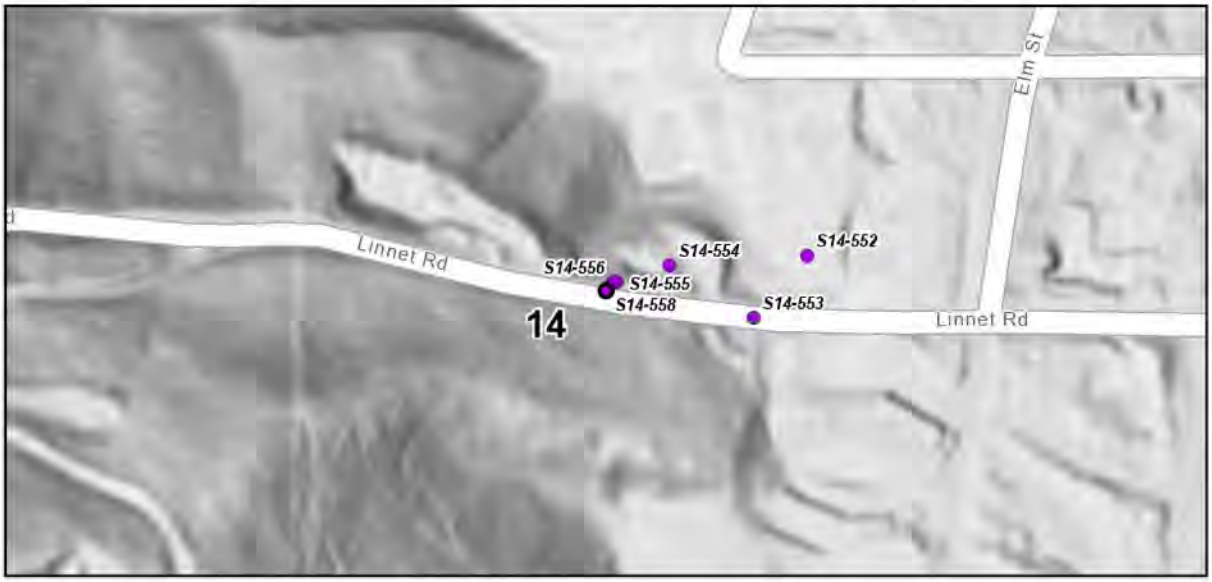


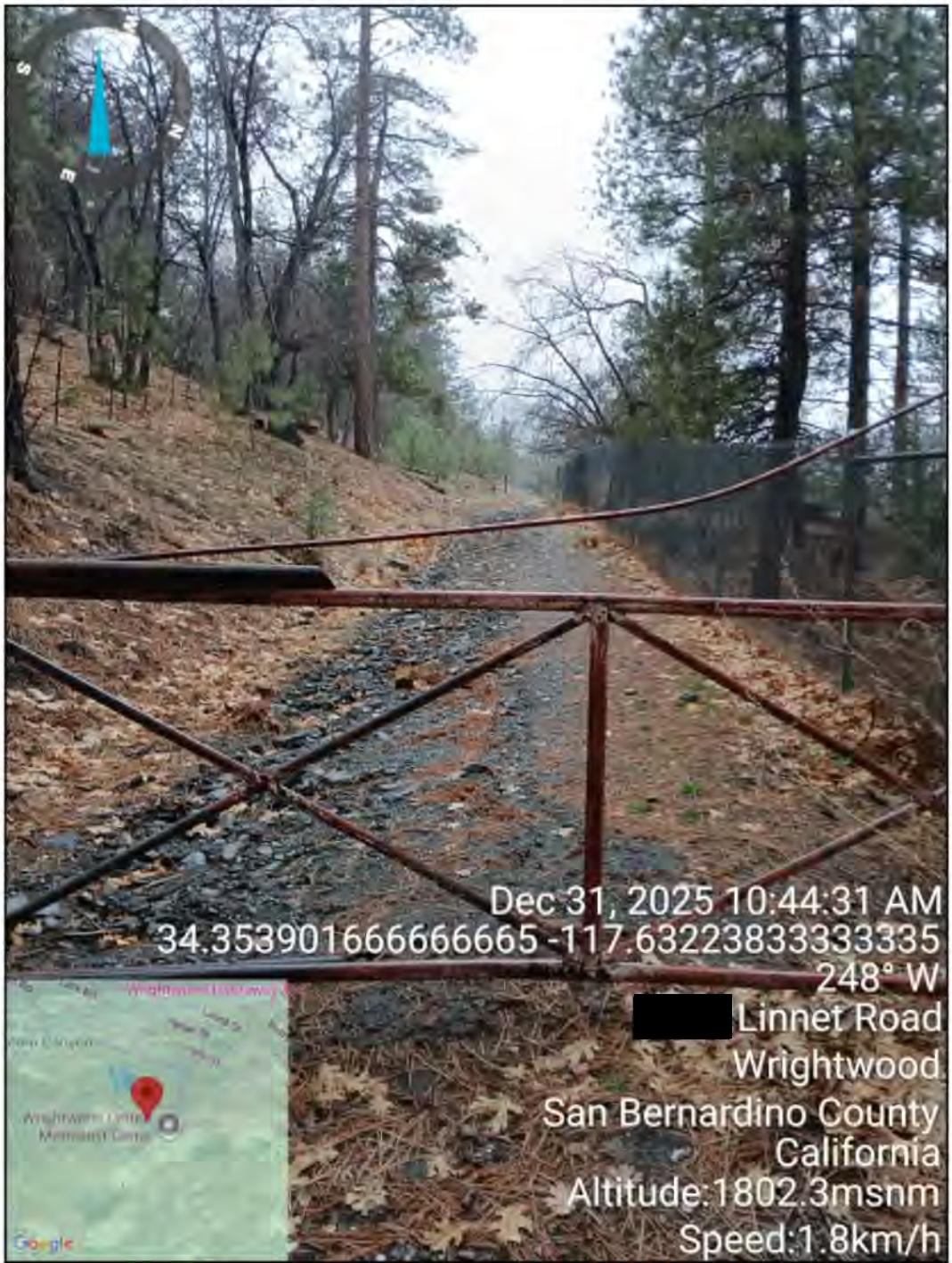
Appendix D
SB County Obs.

S14-558

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



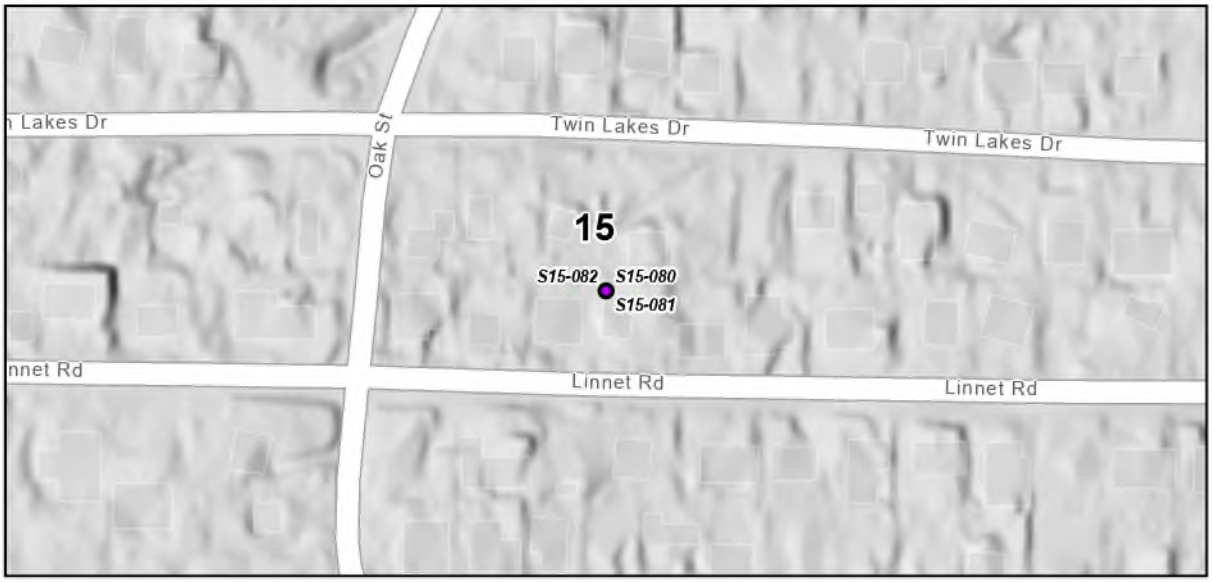


Appendix D
SB County Obs.

S15-080

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



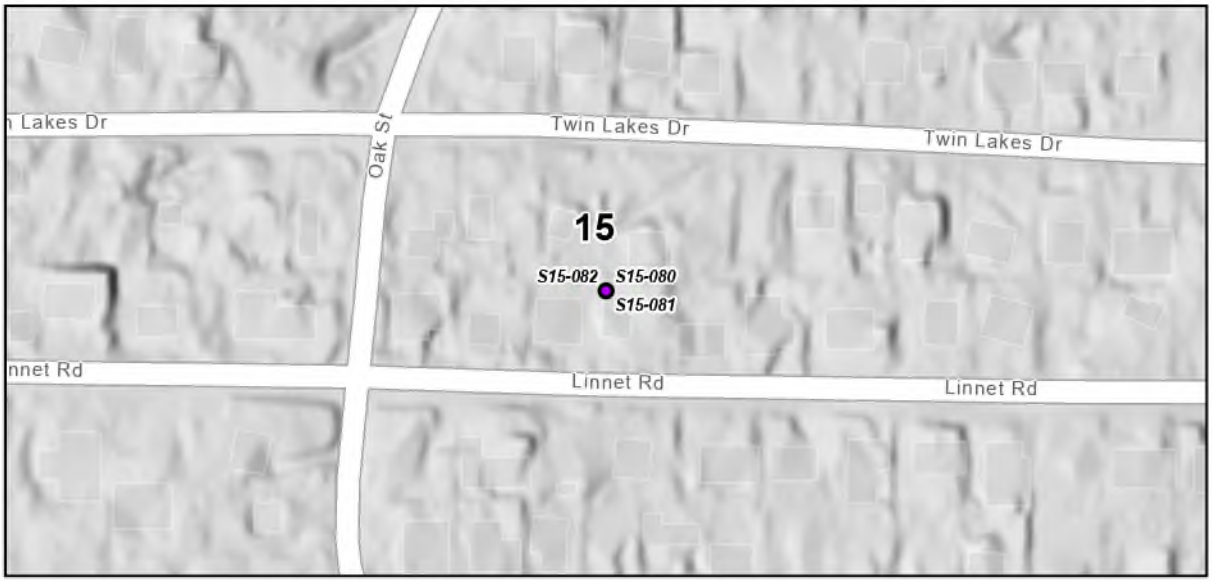


Appendix D
SB County Obs.

S15-081

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



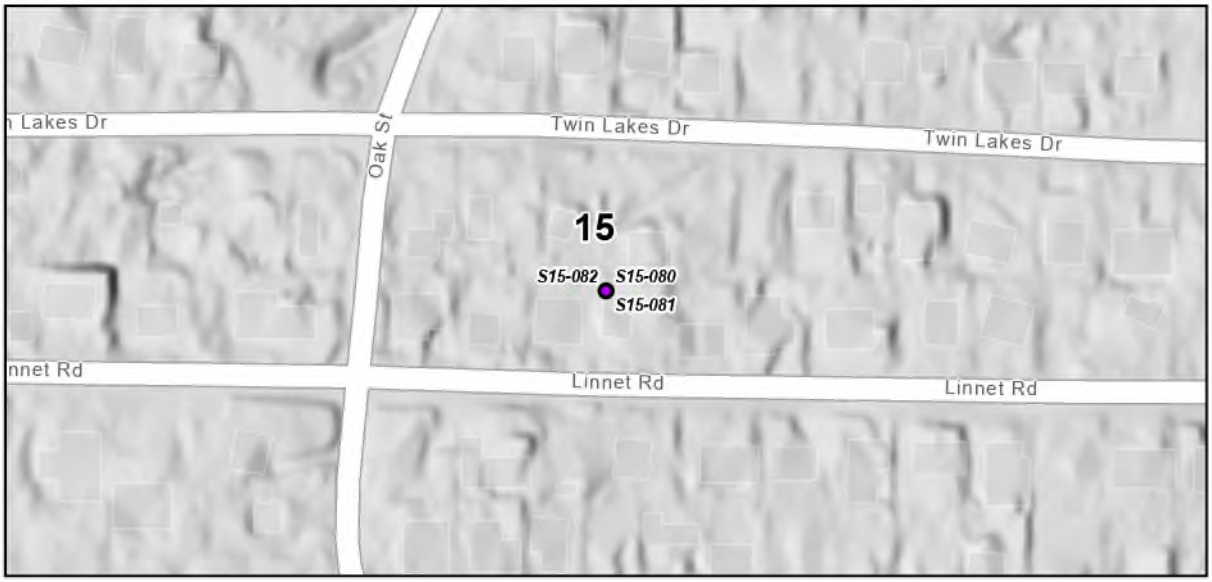


Appendix D
SB County Obs.

S15-082

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





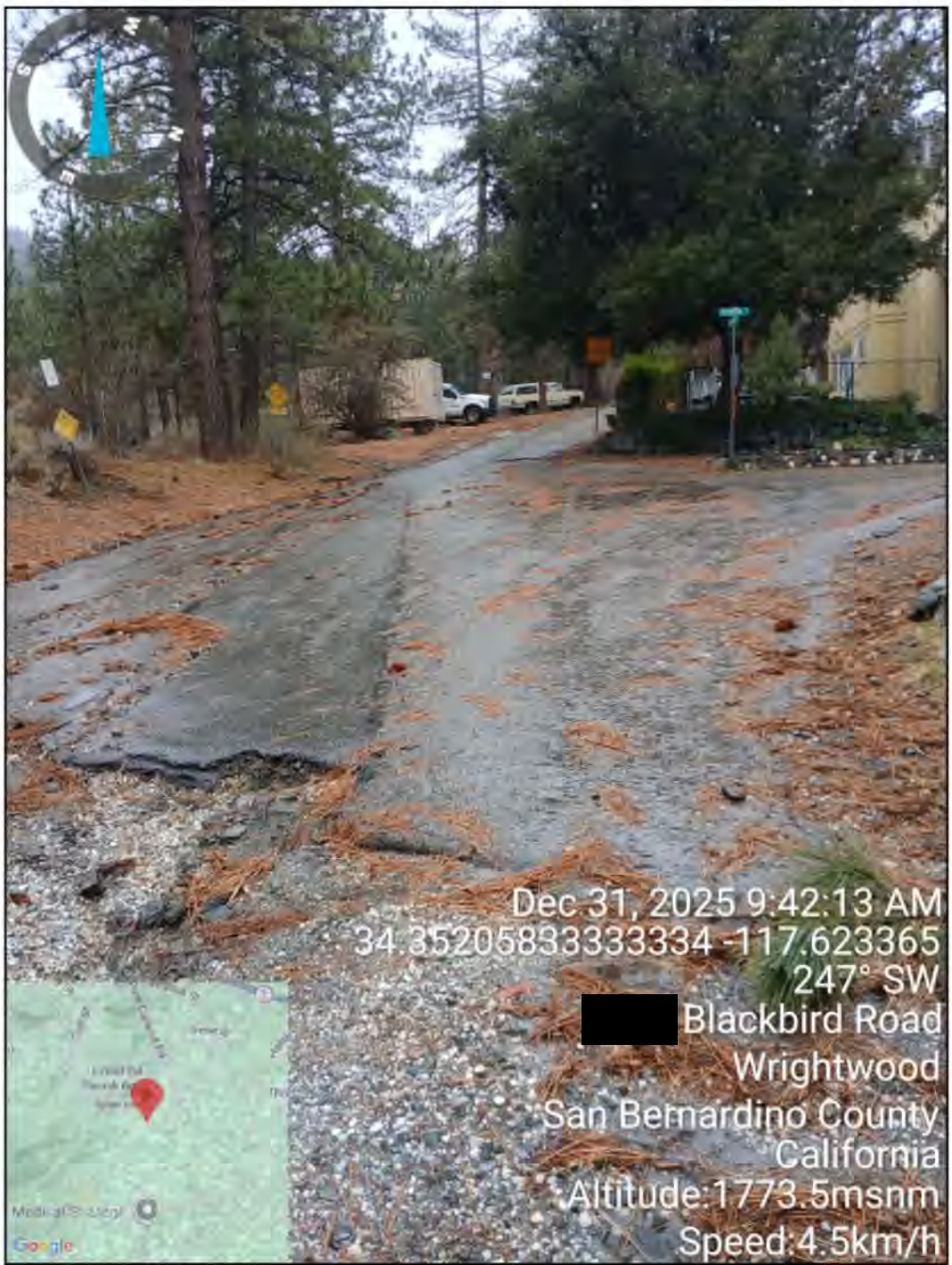
Appendix D
SB County Obs.

S15-518

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



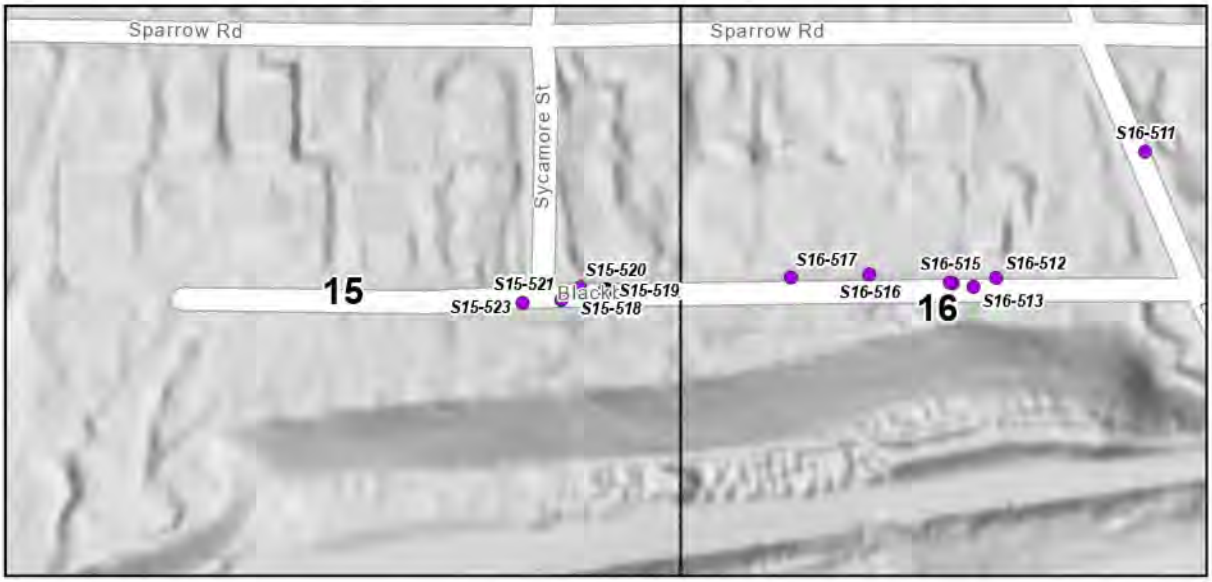


Appendix D
SB County Obs.

S15-519

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S15-520





Appendix D
SB County Obs.

S15-521

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S15-522

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 — 50 m





Appendix D
SB County Obs.

S15-523

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



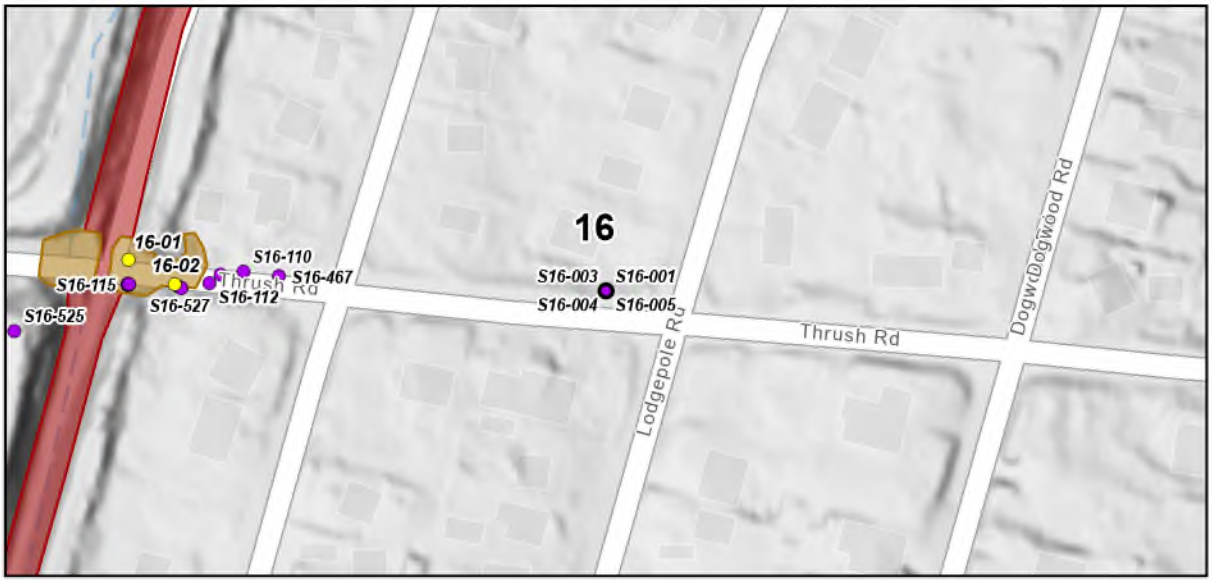


Appendix D
SB County Obs.

S16-001

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



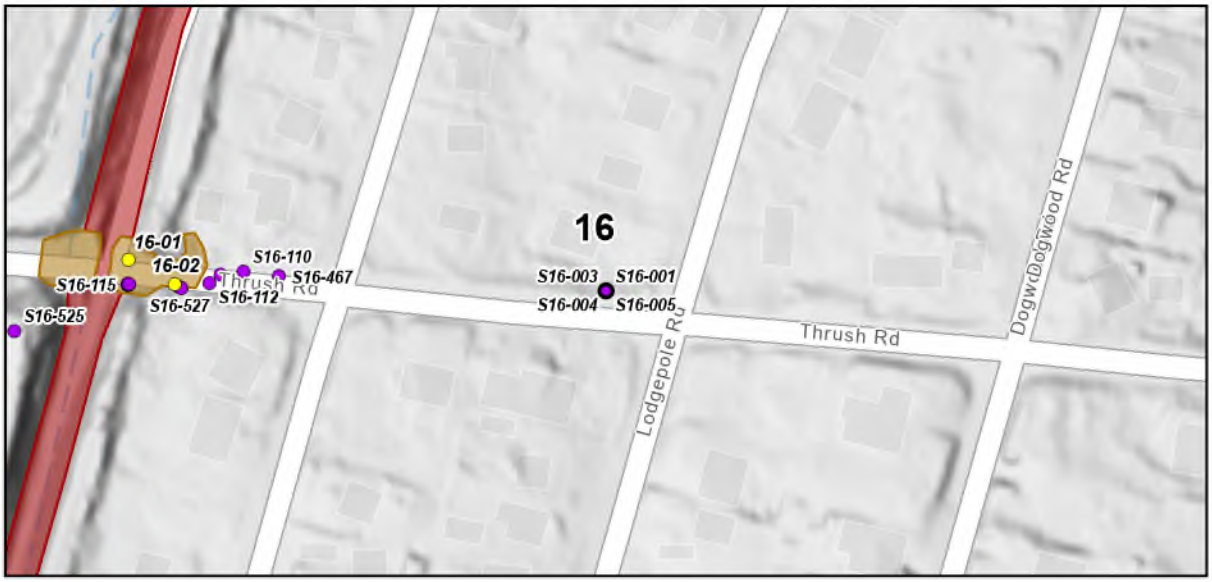


Appendix D
SB County Obs.

S16-002

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



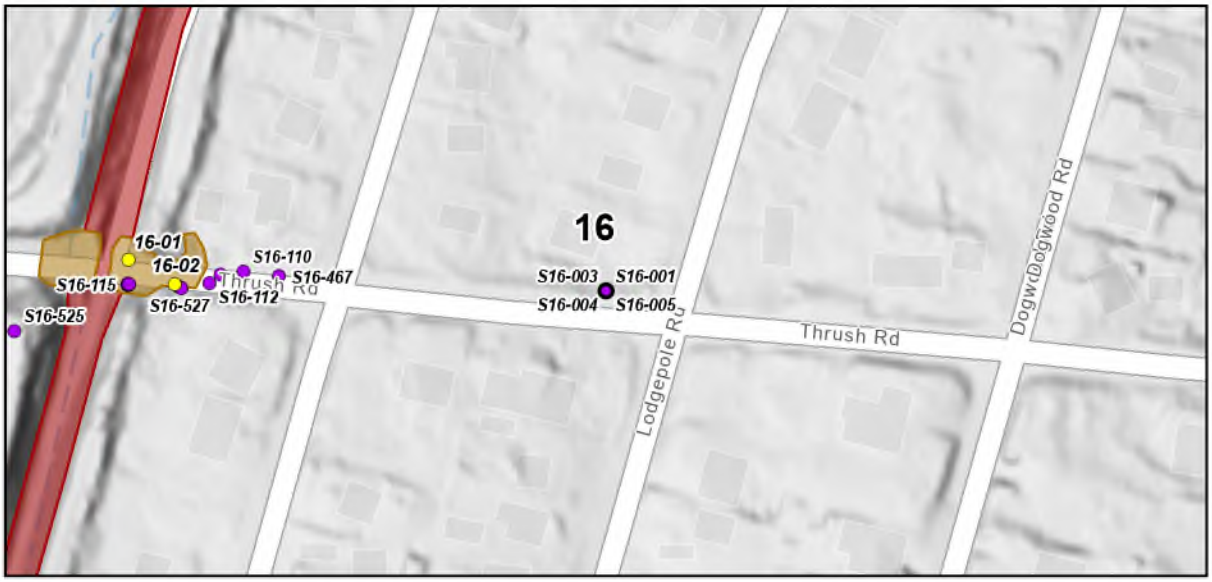


Appendix D
SB County Obs.

S16-003

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



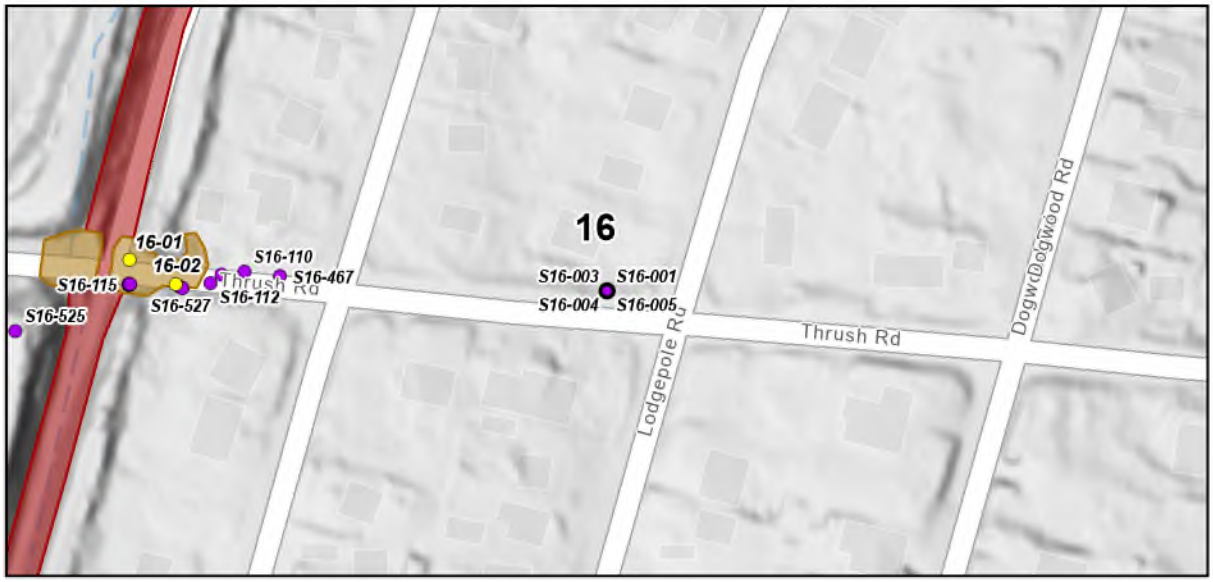


Appendix D
SB County Obs.

S16-004

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



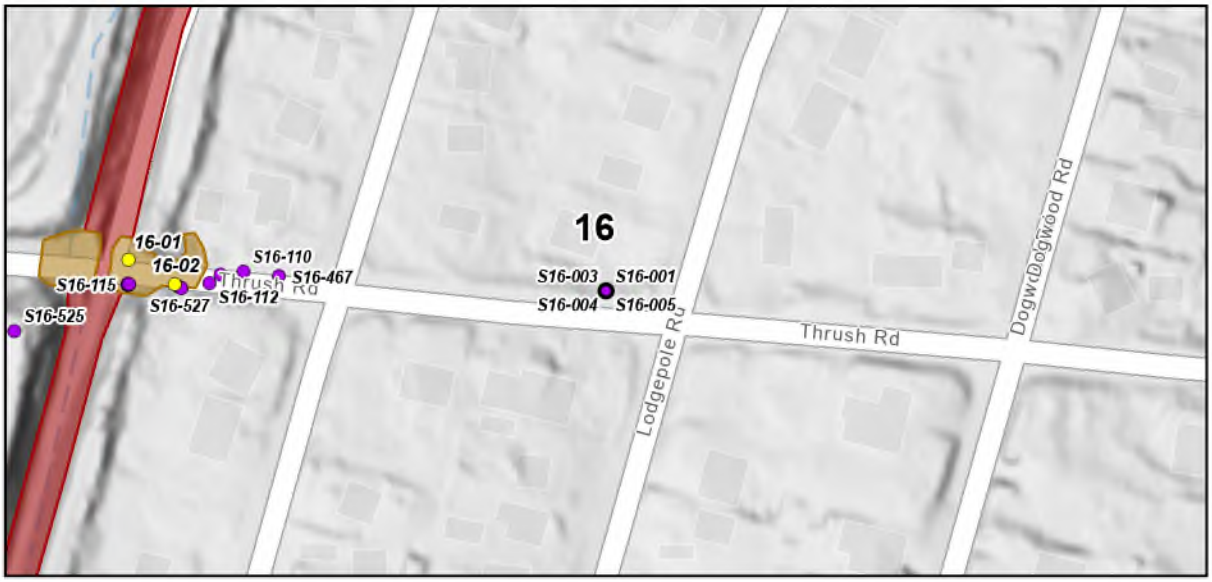


Appendix D
SB County Obs.

S16-005

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

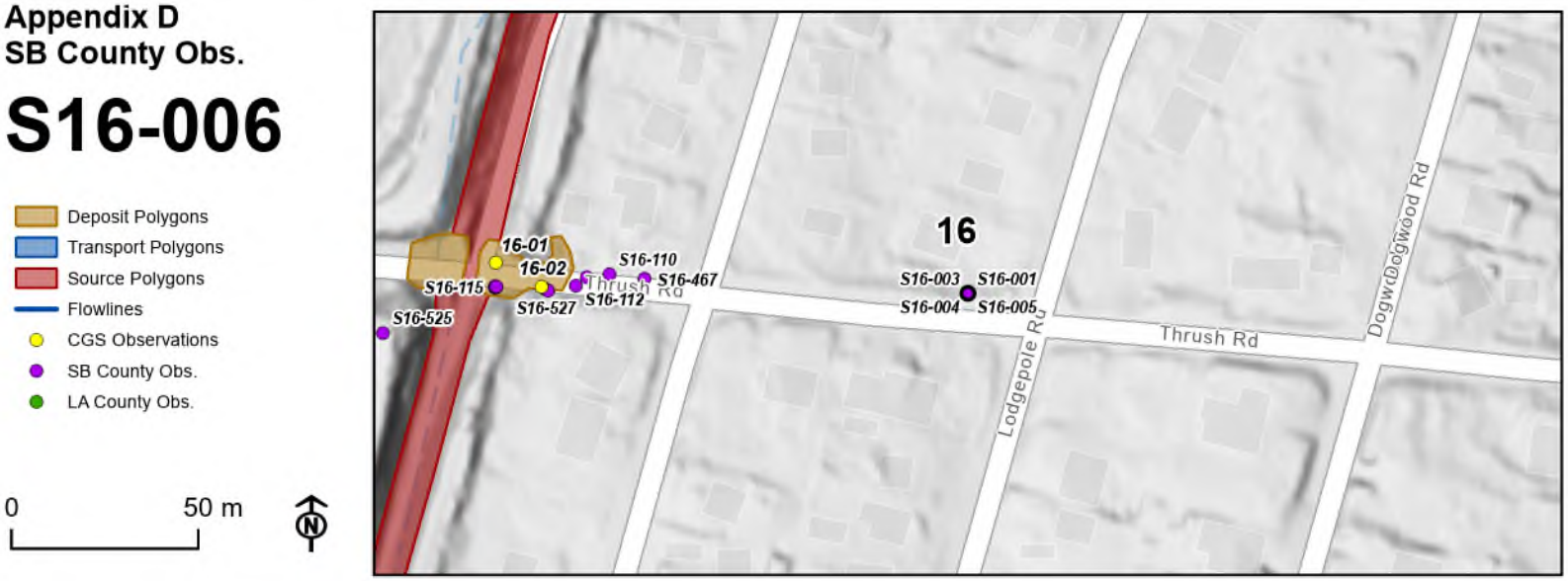
0 50 m





Appendix D
SB County Obs.

S16-006



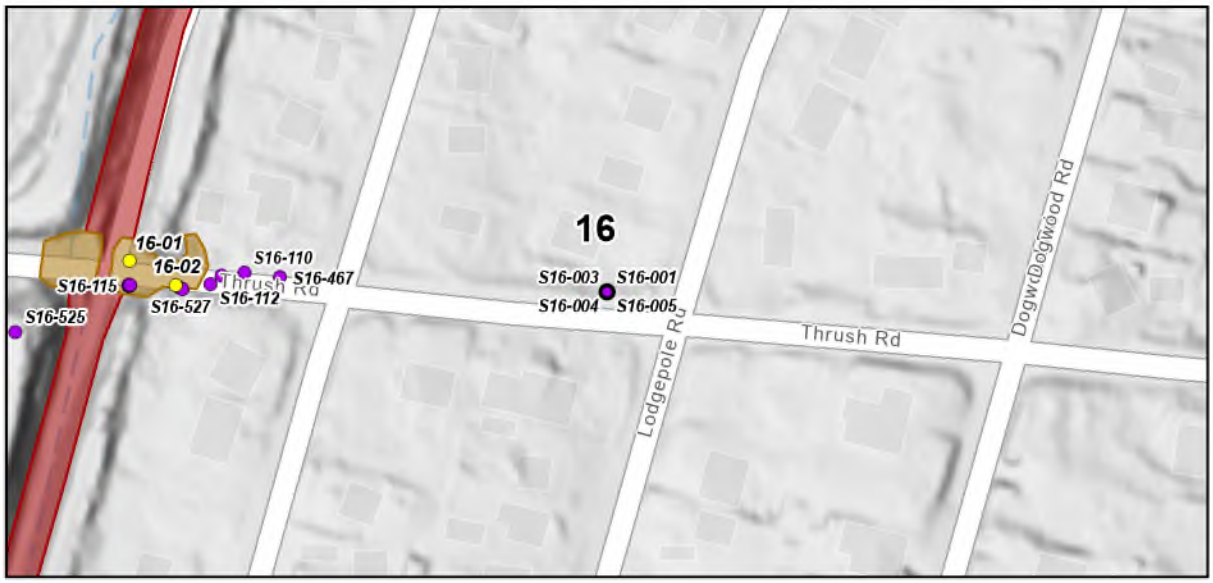


Appendix D
SB County Obs.

S16-007

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



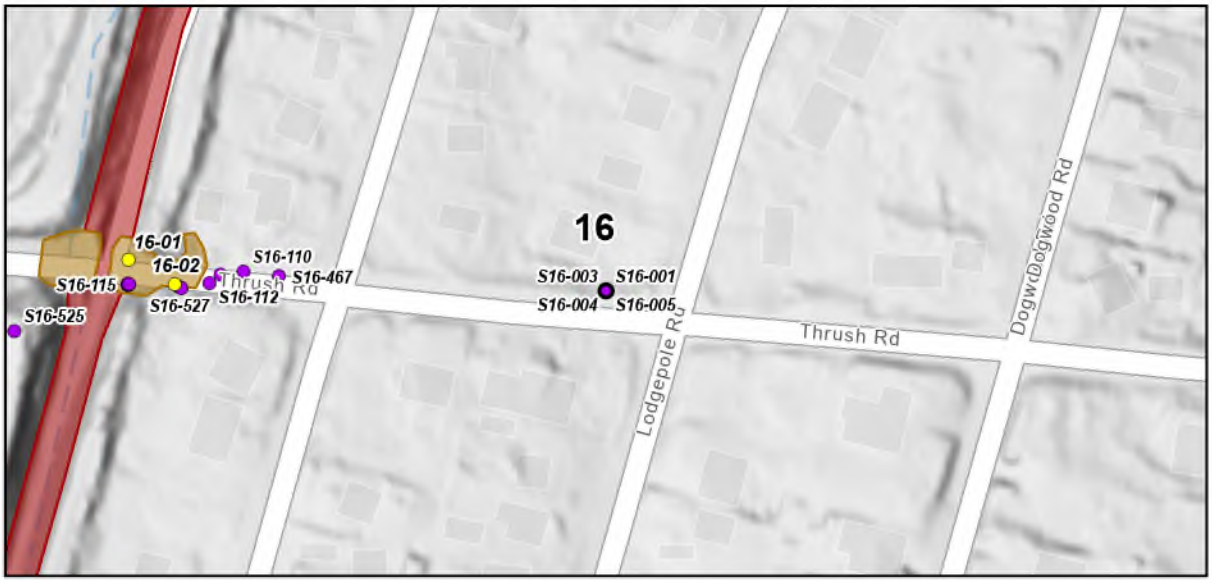


Appendix D
SB County Obs.

S16-008

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



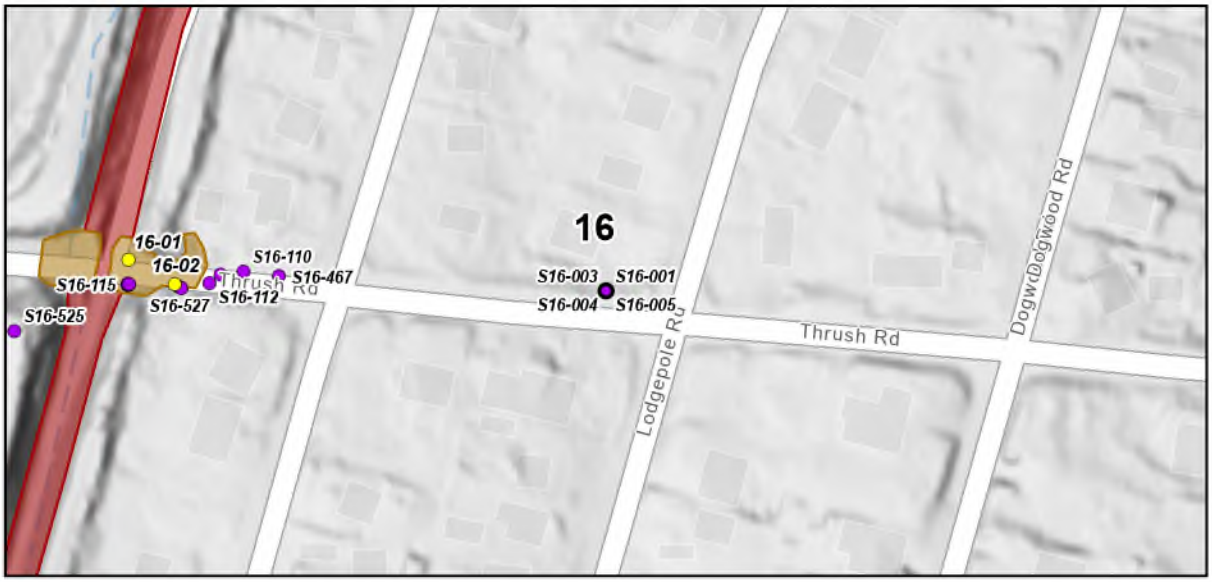


Appendix D
SB County Obs.

S16-009

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S16-020

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

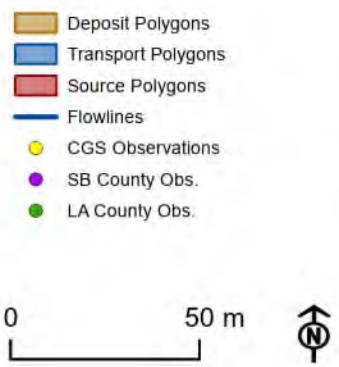
0 50 m





Appendix D
SB County Obs.

S16-110







Appendix D
SB County Obs.

S16-111





0 50 m

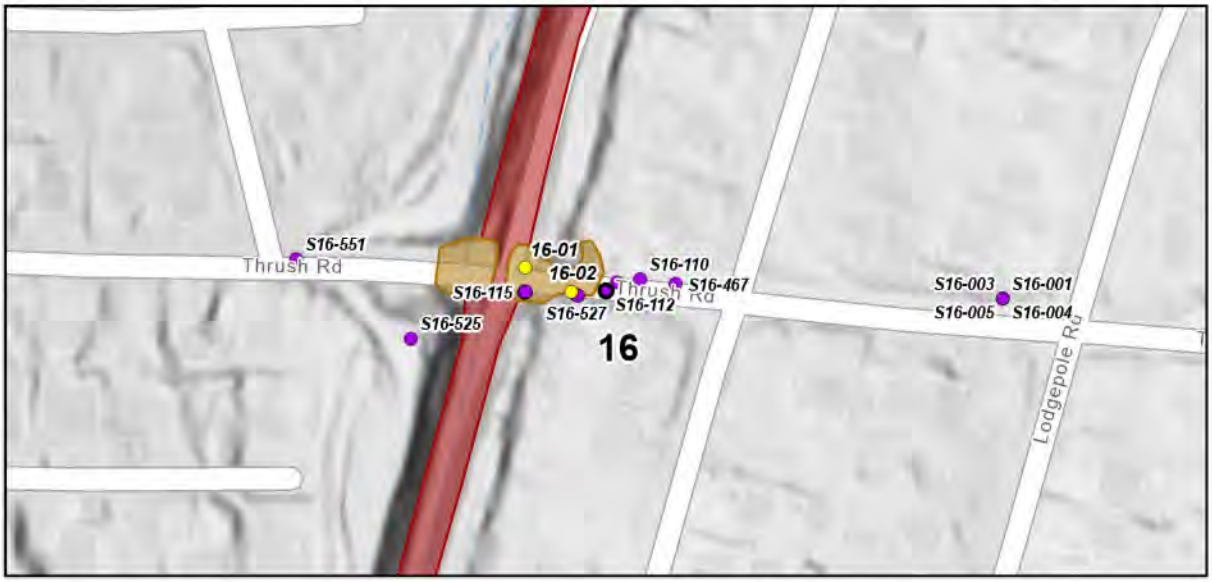


Appendix D
SB County Obs.

S16-112

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S16-113





Appendix D
SB County Obs.

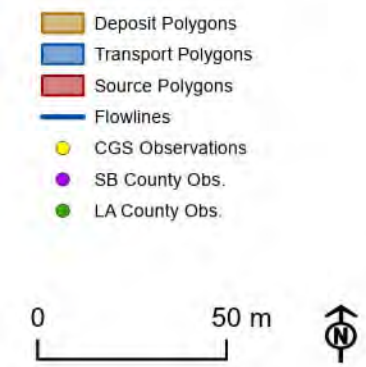
S16-114





Appendix D
SB County Obs.

S16-115

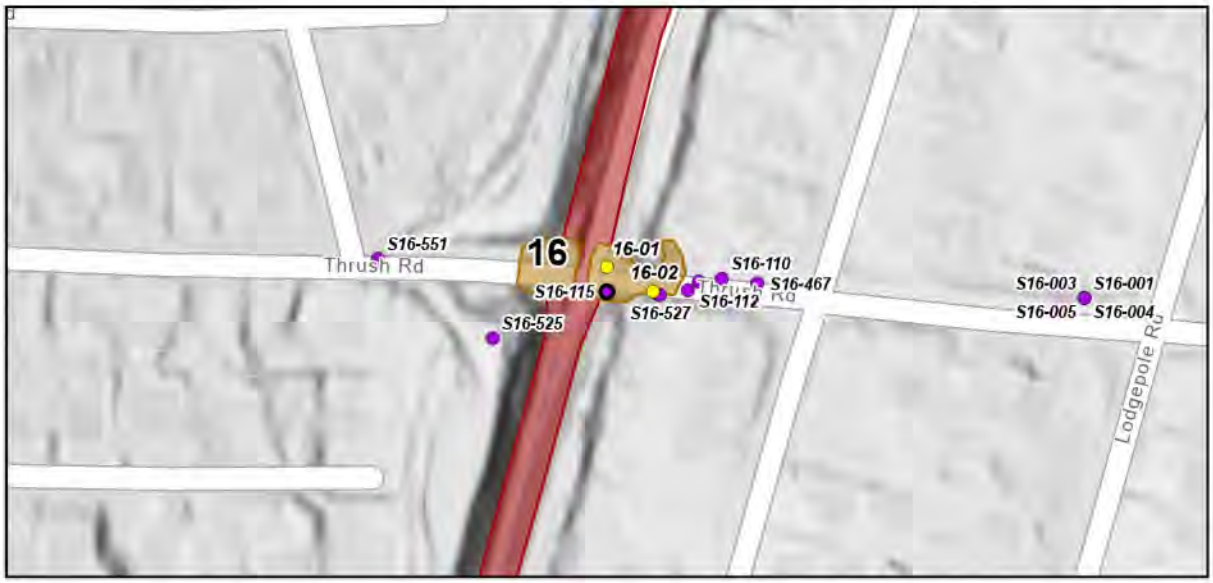






Appendix D
SB County Obs.

S16-116





Appendix D
SB County Obs.

S16-117







Appendix D
SB County Obs.

S16-118





Appendix D
SB County Obs.

S16-119

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S16-120



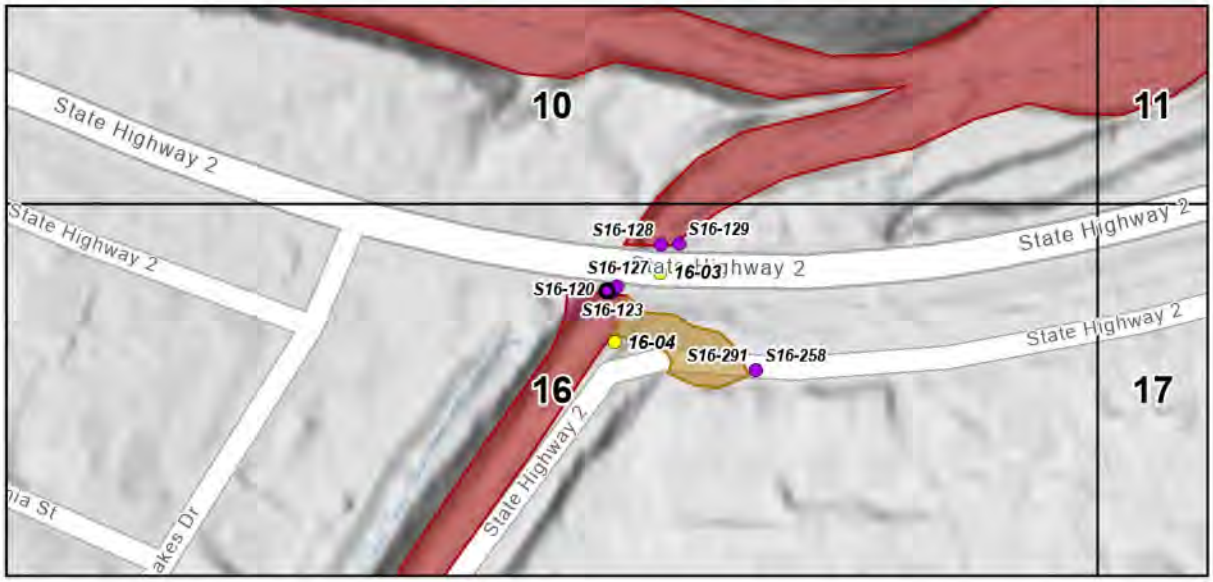


Appendix D
SB County Obs.

S16-121

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

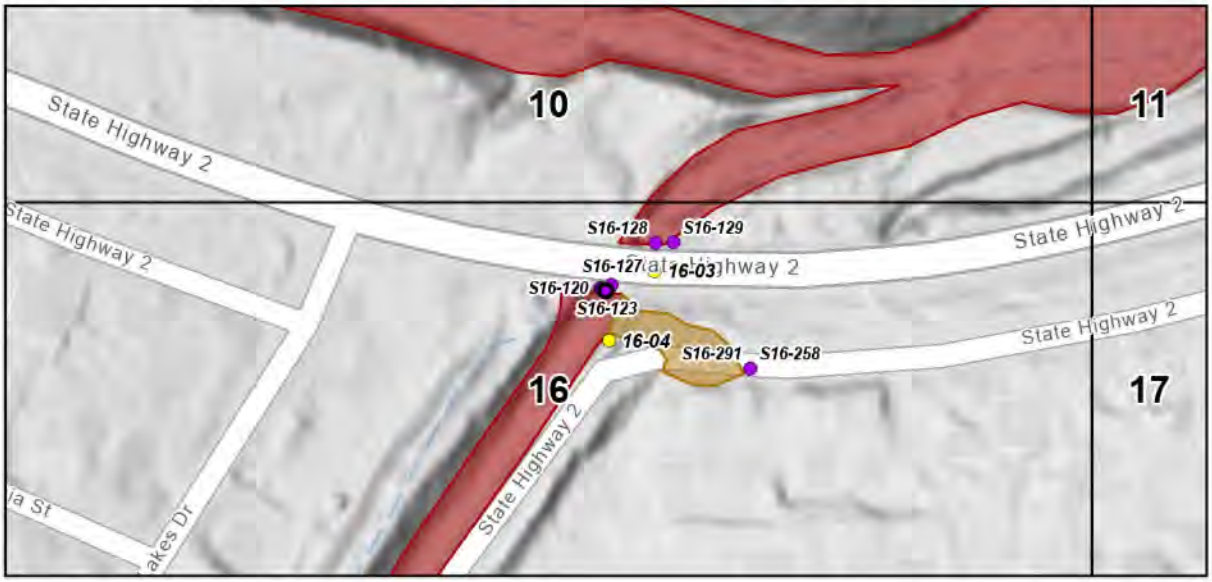
S16-122





Appendix D
SB County Obs.

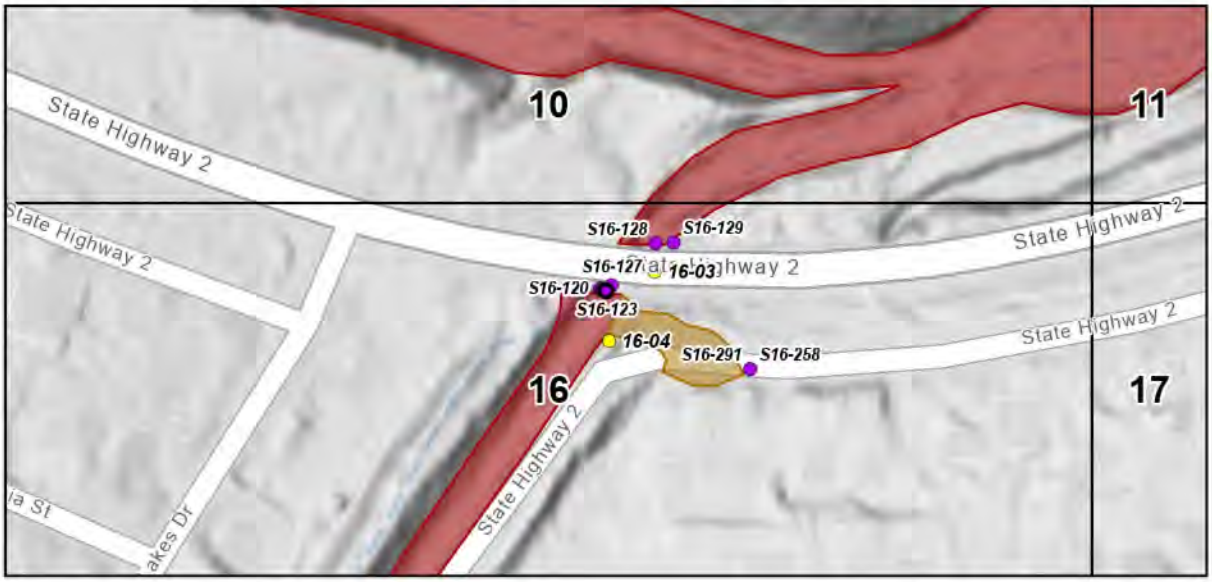
S16-123





Appendix D
SB County Obs.

S16-124



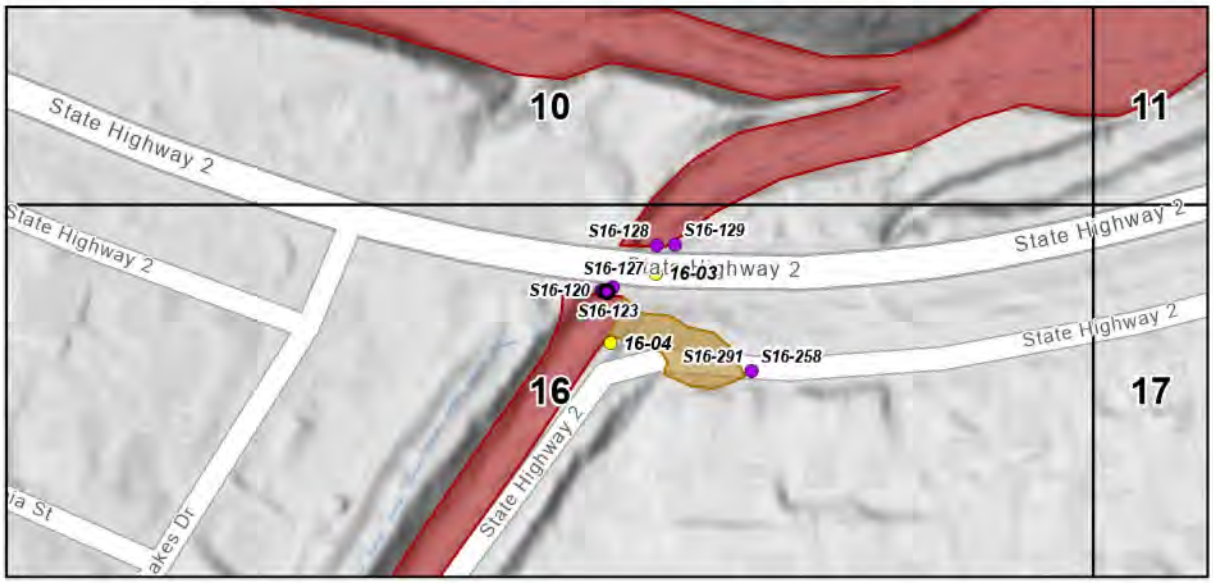


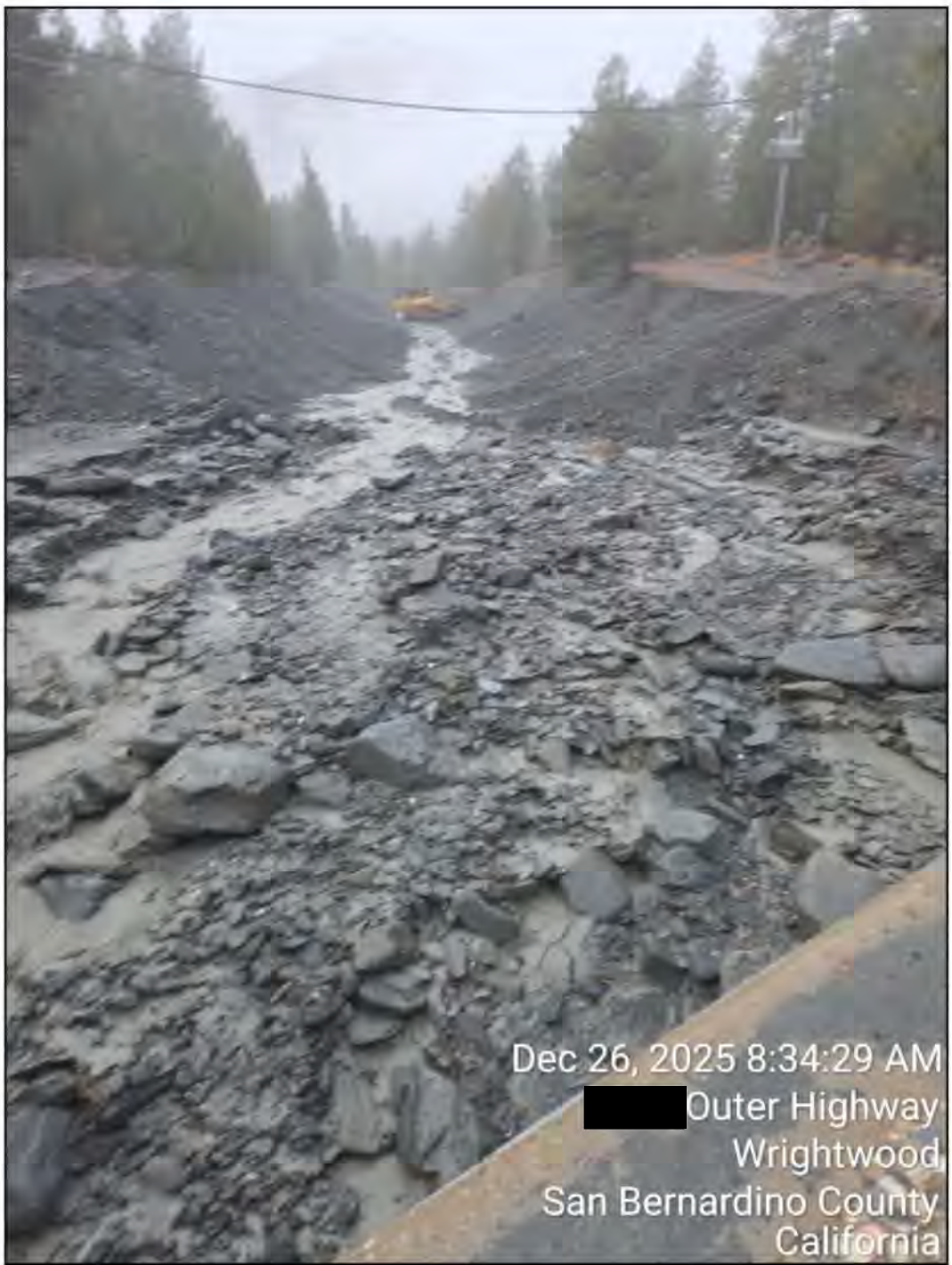
Appendix D
SB County Obs.

S16-125

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S16-126



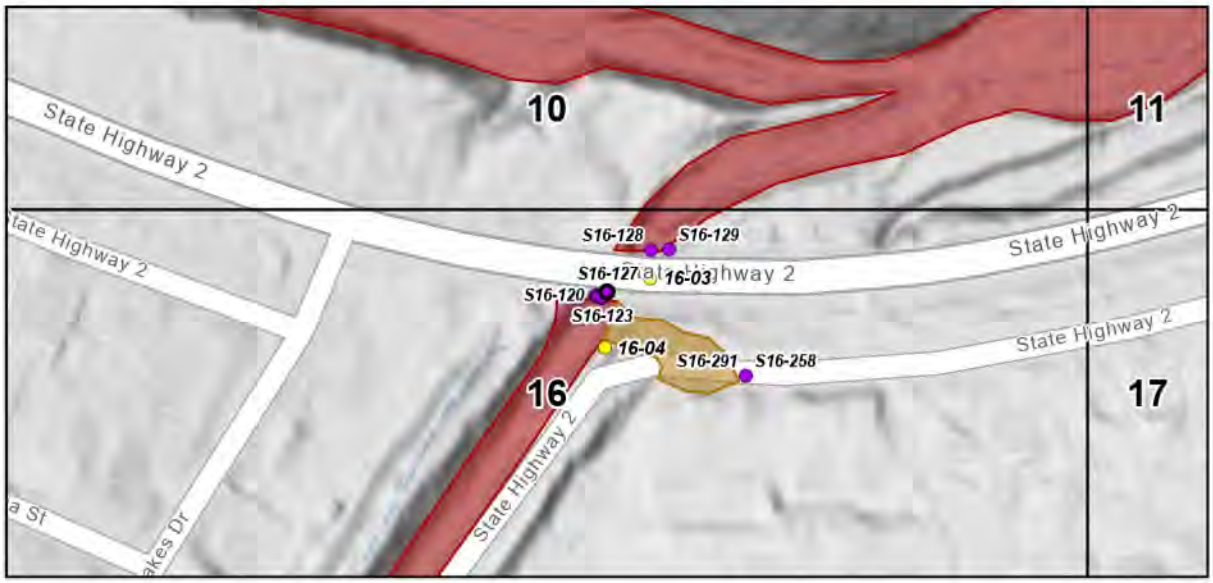


Appendix D
SB County Obs.

S16-127

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



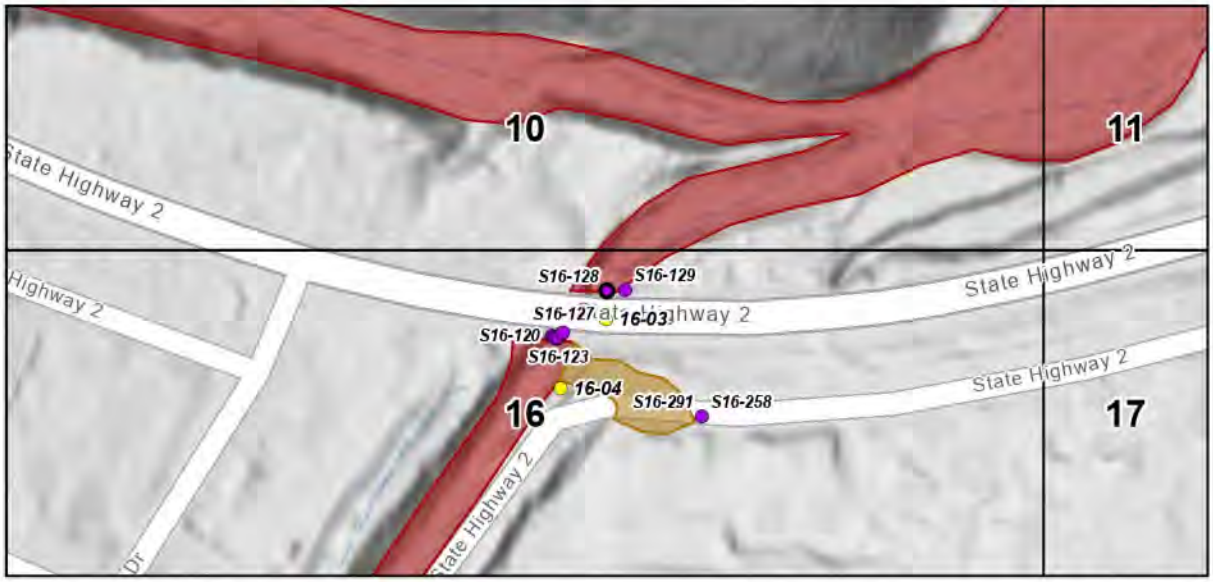


Appendix D
SB County Obs.

S16-128

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S16-129



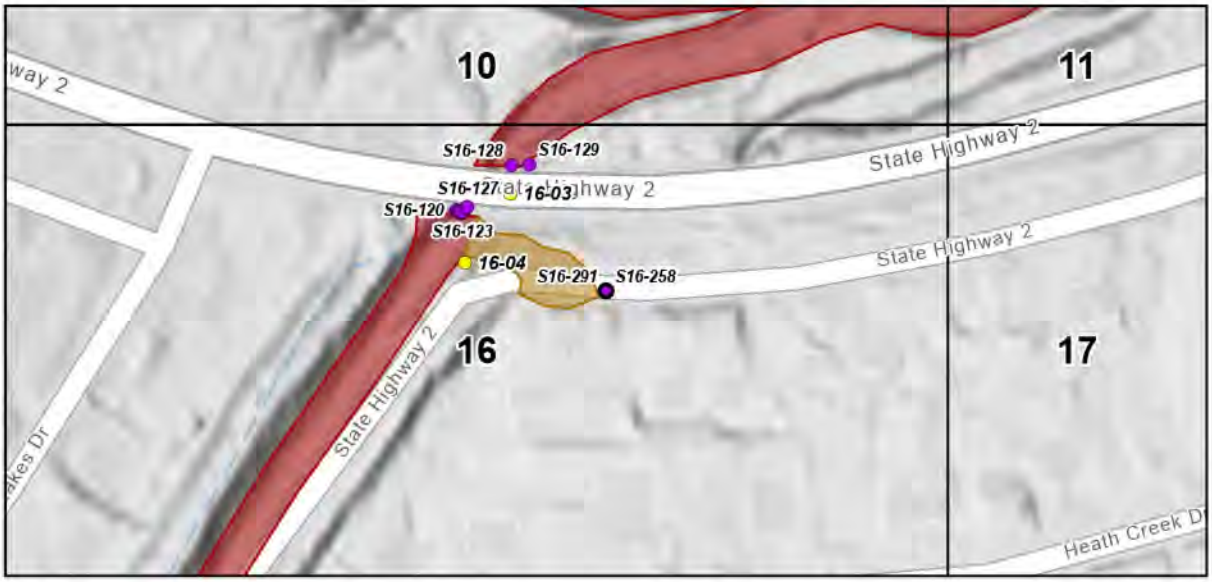


Appendix D
SB County Obs.

S16-258

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



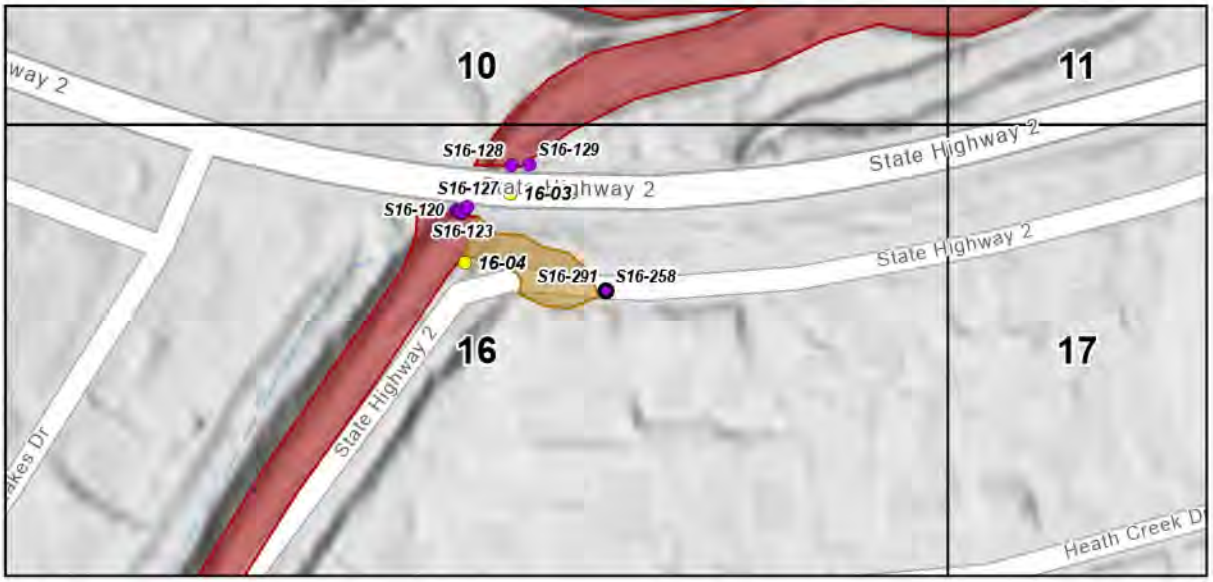


Appendix D
SB County Obs.

S16-291

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

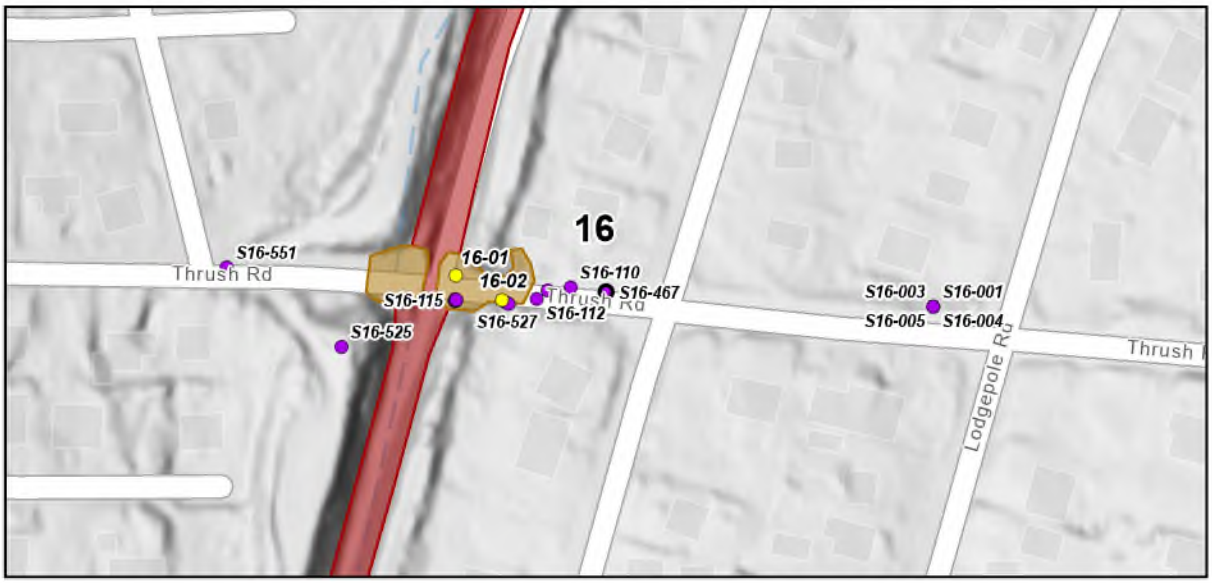
0 50 m





Appendix D
SB County Obs.

S16-467





Appendix D
SB County Obs.

S16-468

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



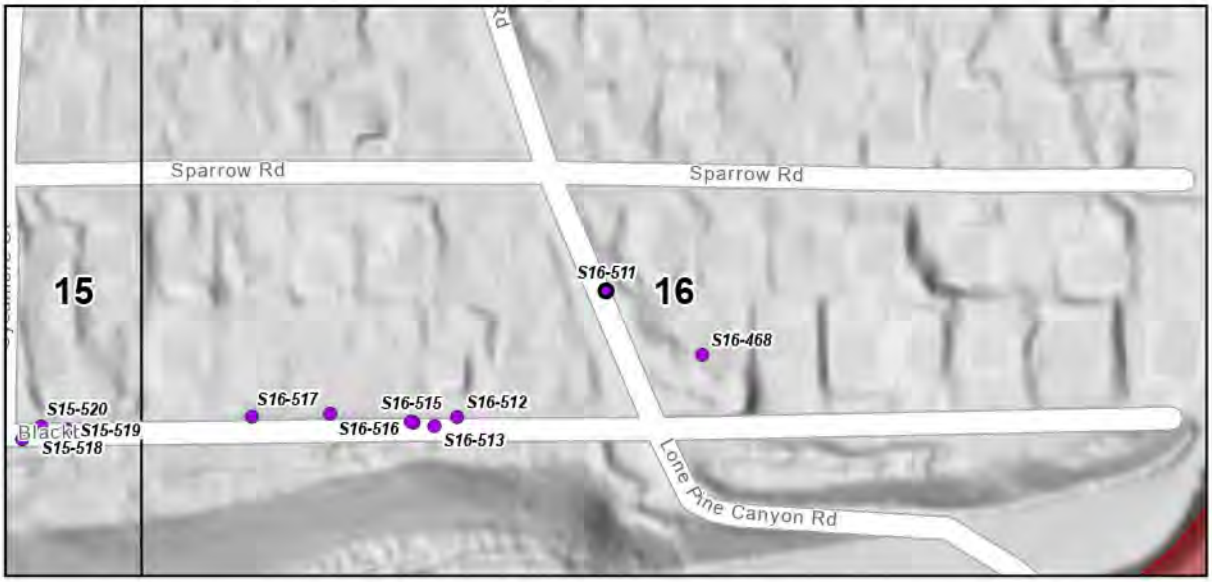


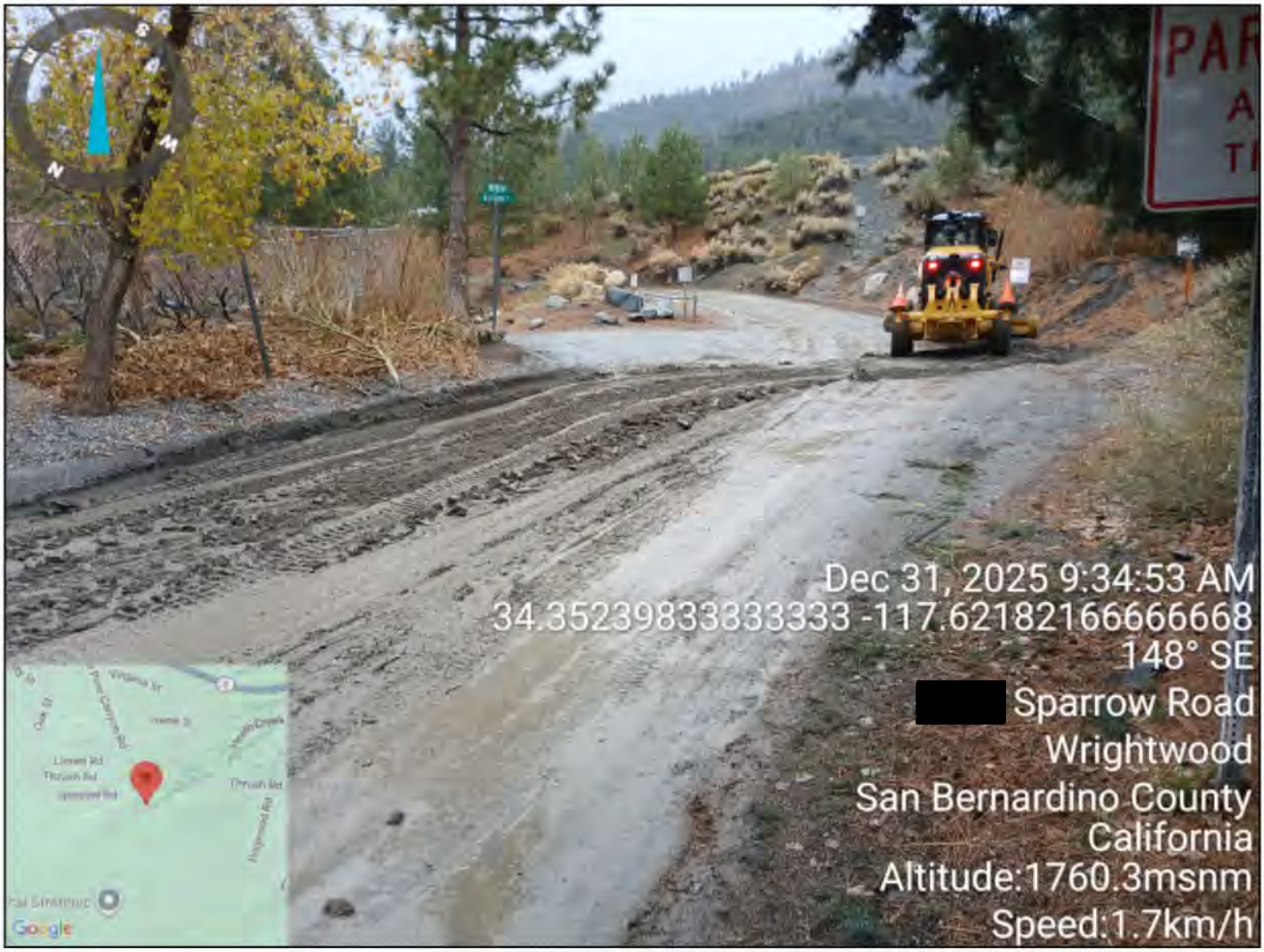
Appendix D
SB County Obs.

S16-511

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S16-512

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S16-513

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S16-514

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

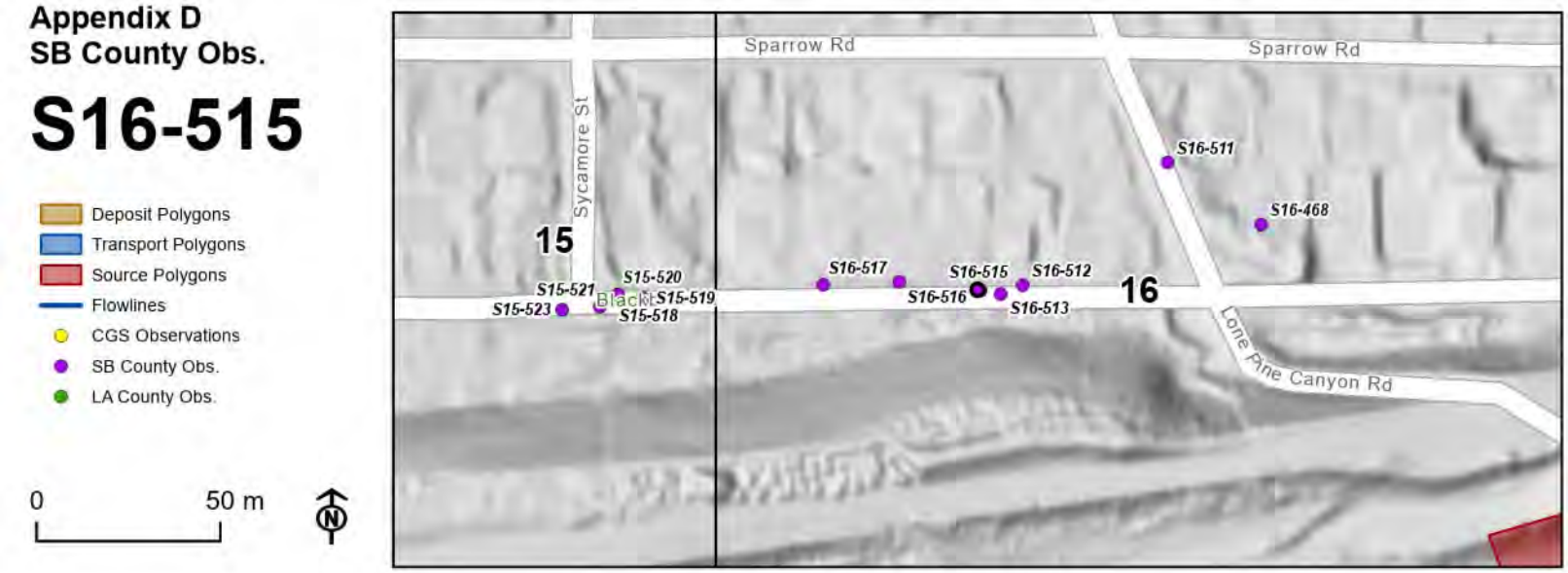
0 50 m





Appendix D
SB County Obs.

S16-515



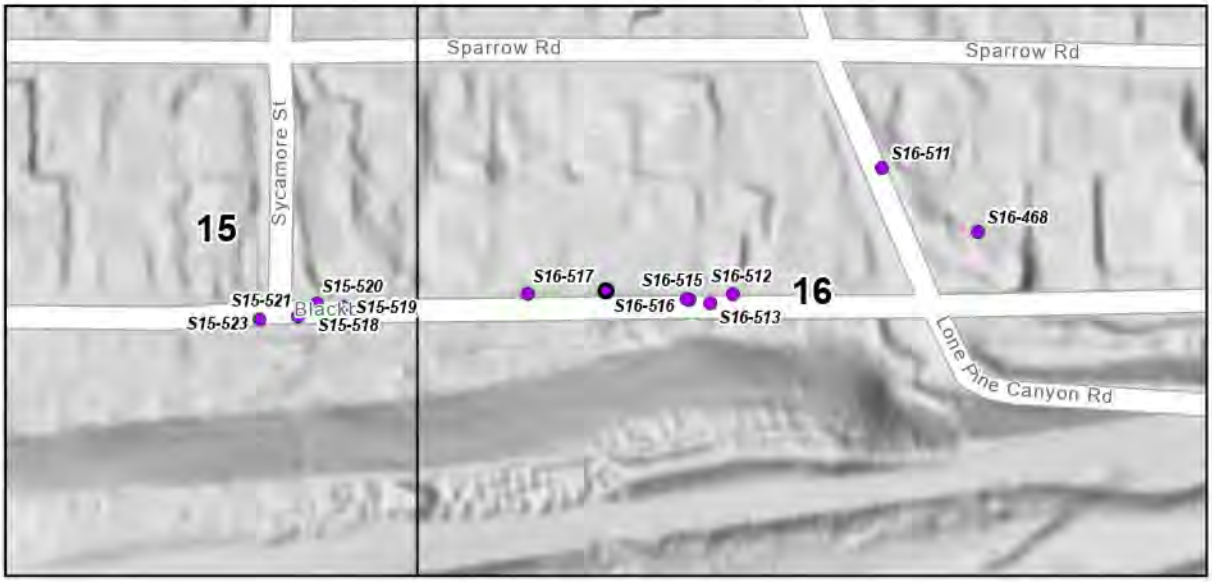


Appendix D
SB County Obs.

S16-516

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





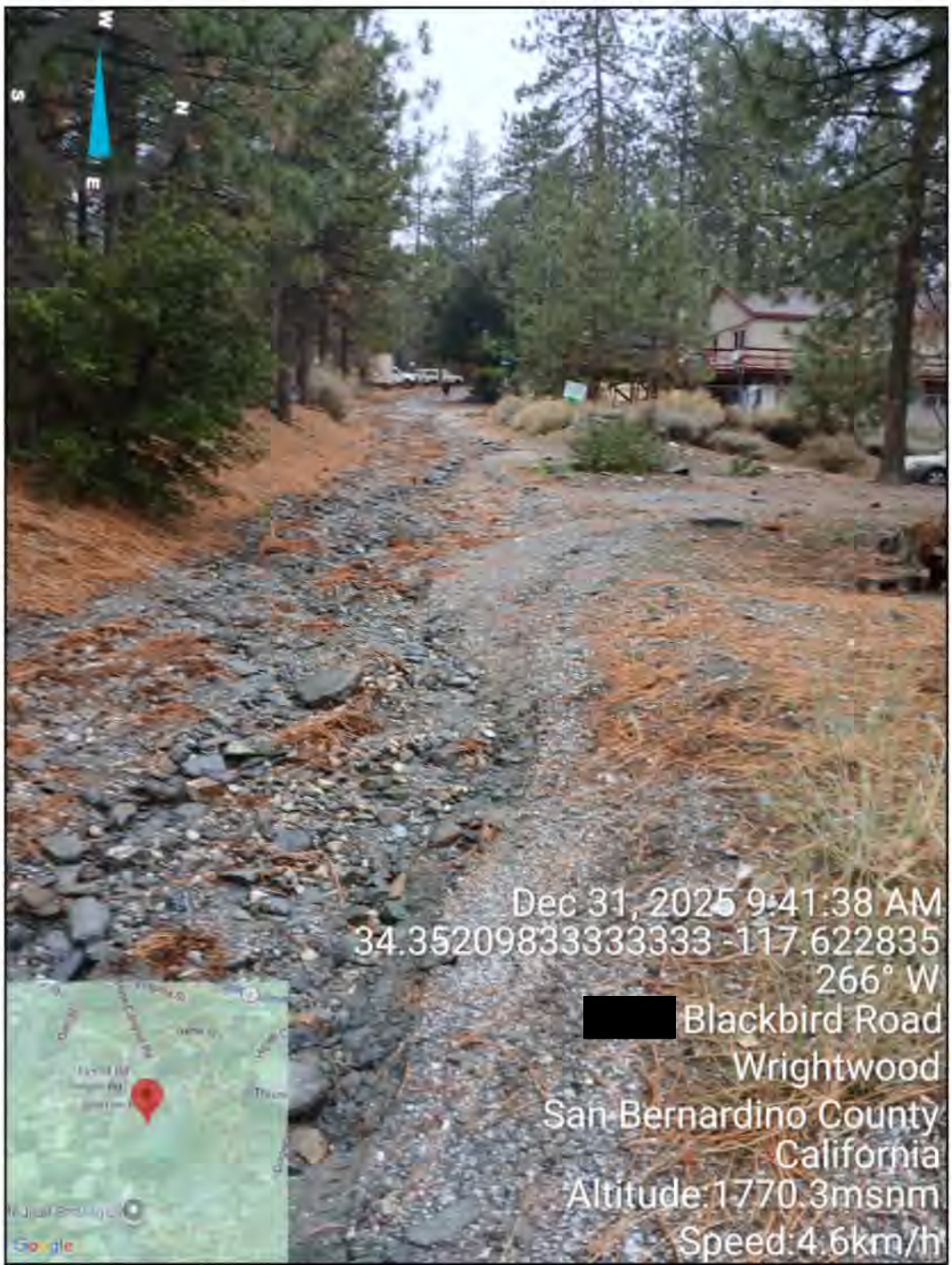
Appendix D
SB County Obs.

S16-517

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



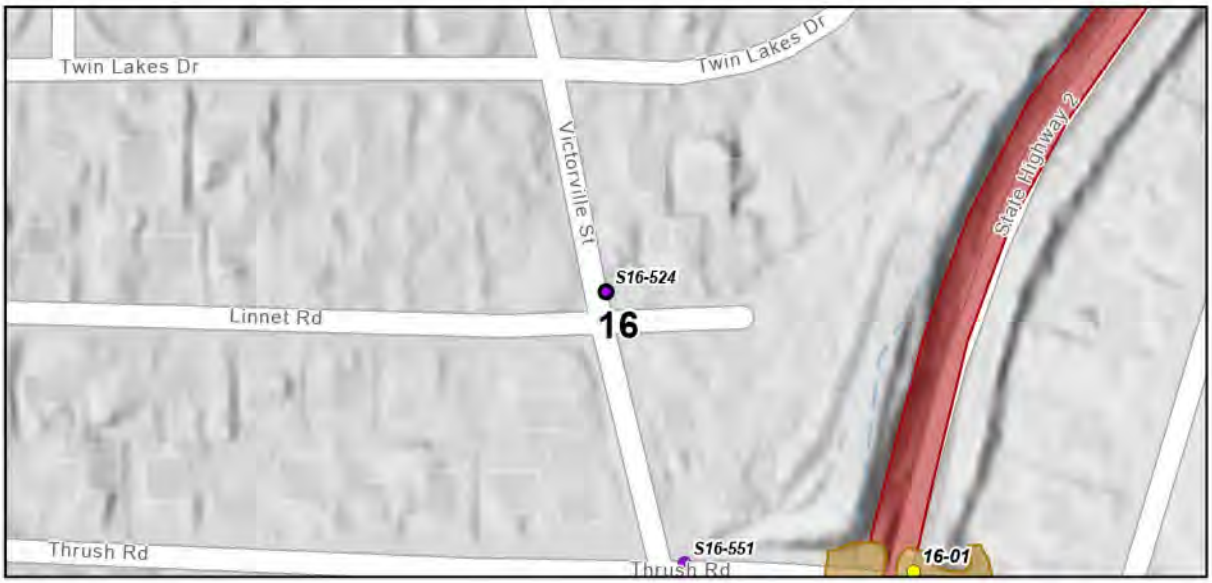


Appendix D
SB County Obs.

S16-524

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



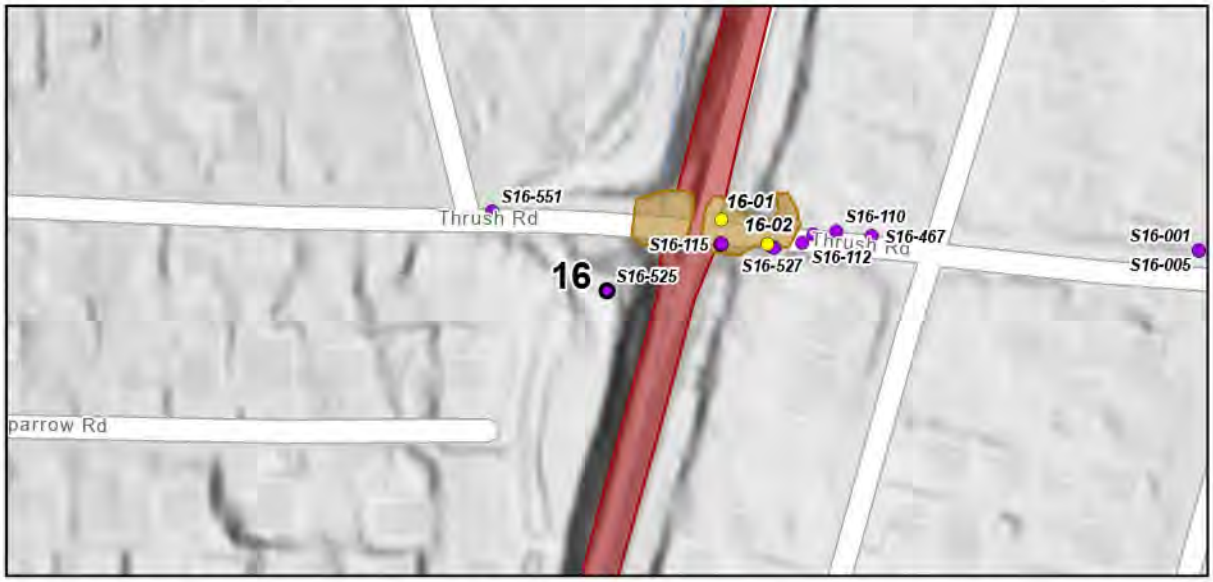


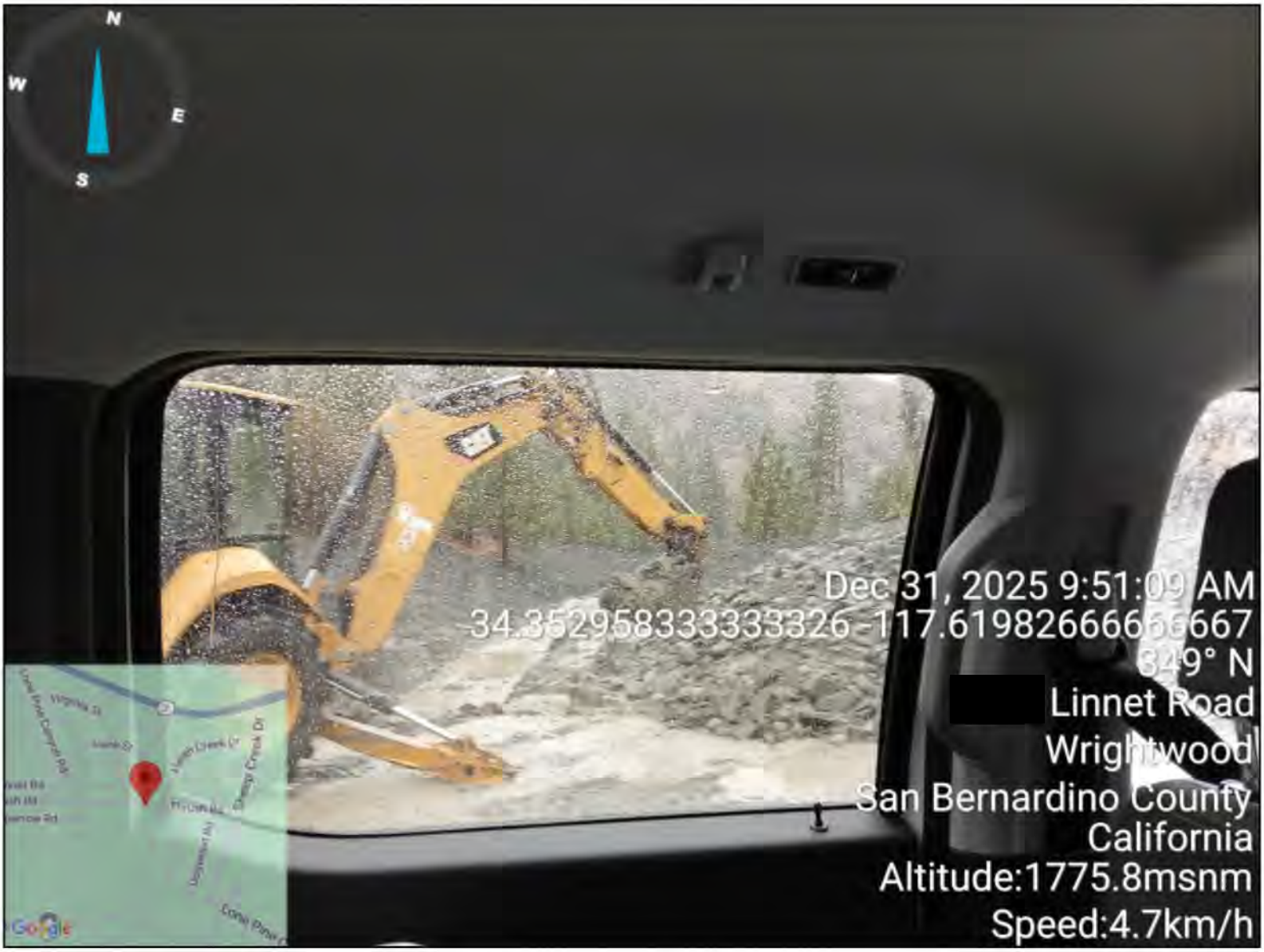
Appendix D
SB County Obs.

S16-525

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S16-526

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S16-527

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S16-551

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 — 50 m





Appendix D
SB County Obs.

S17-103

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S17-104

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



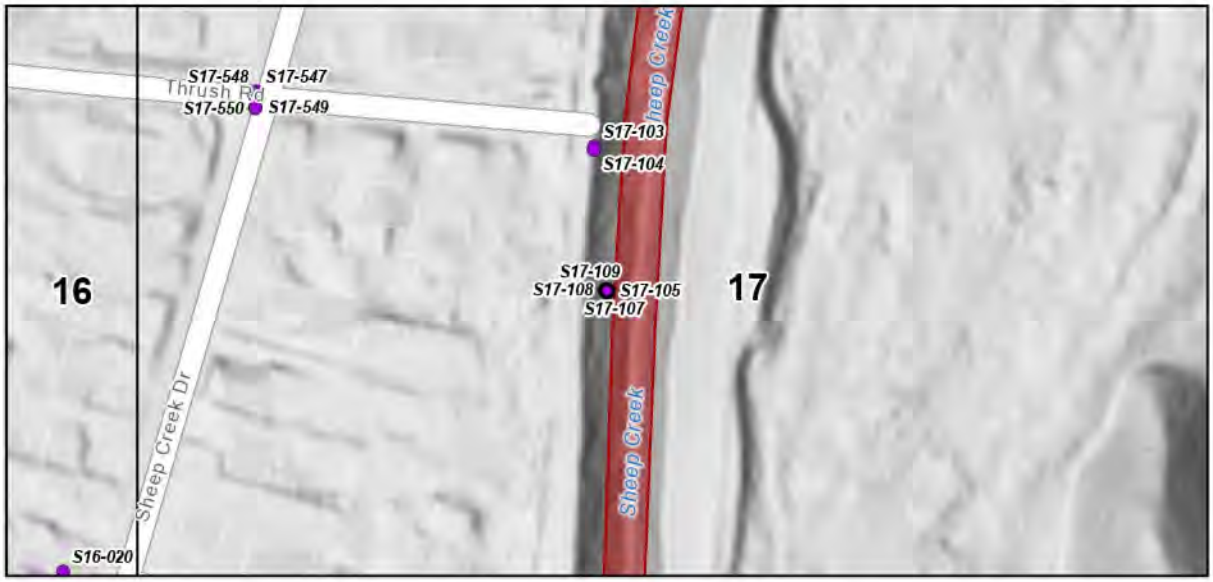


Appendix D
SB County Obs.

S17-105

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S17-106

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S17-107





Appendix D
SB County Obs.

S17-108

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S17-109

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S17-547

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S17-548

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S17-549

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



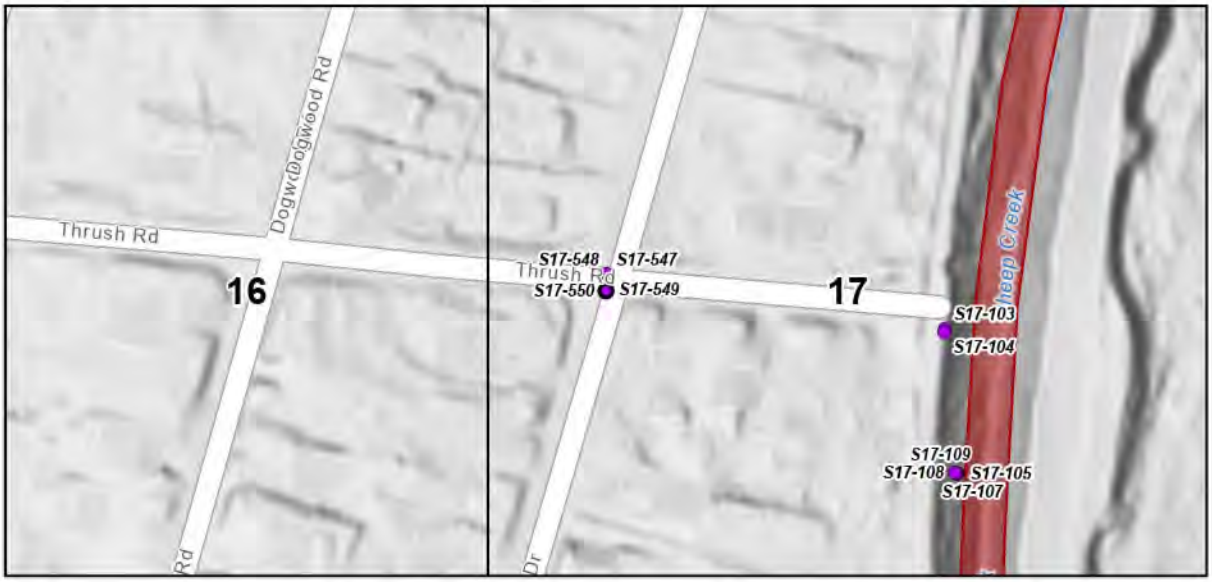


Appendix D
SB County Obs.

S17-550

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





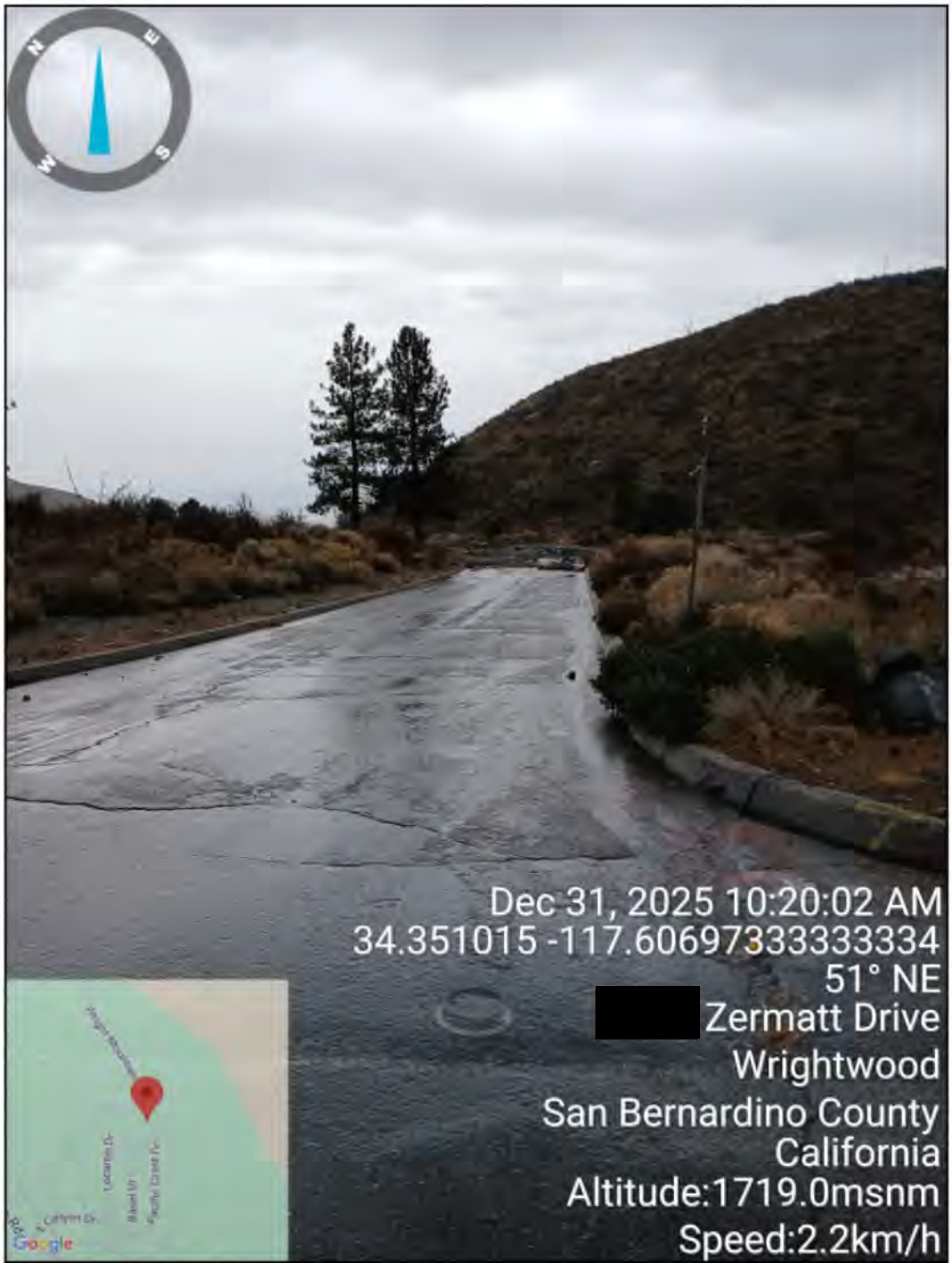
Appendix D
SB County Obs.

S18-539

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



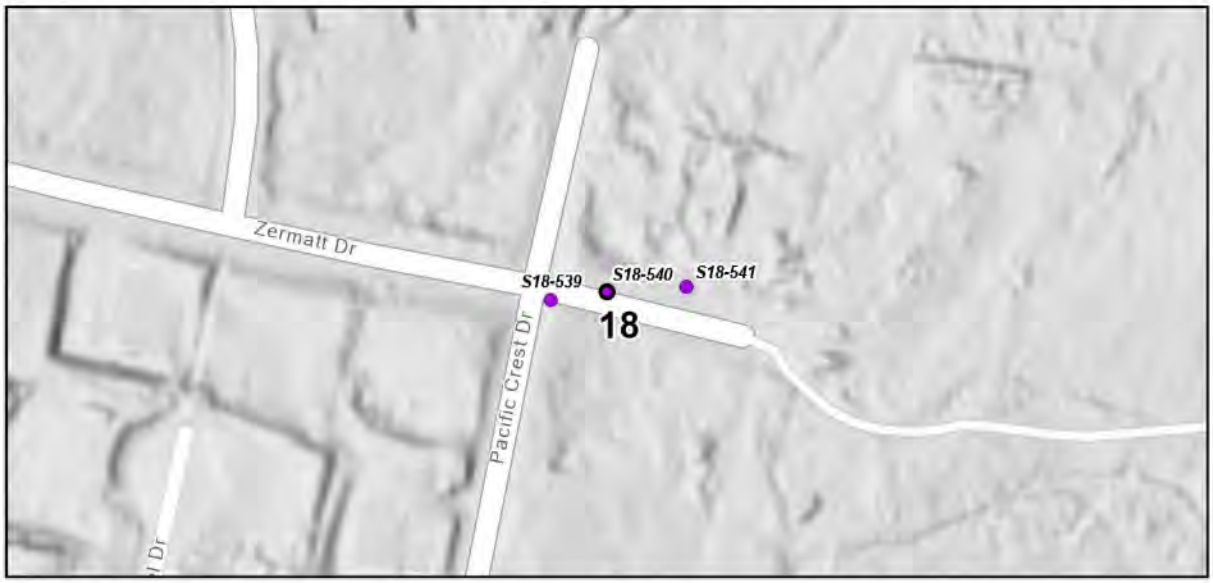


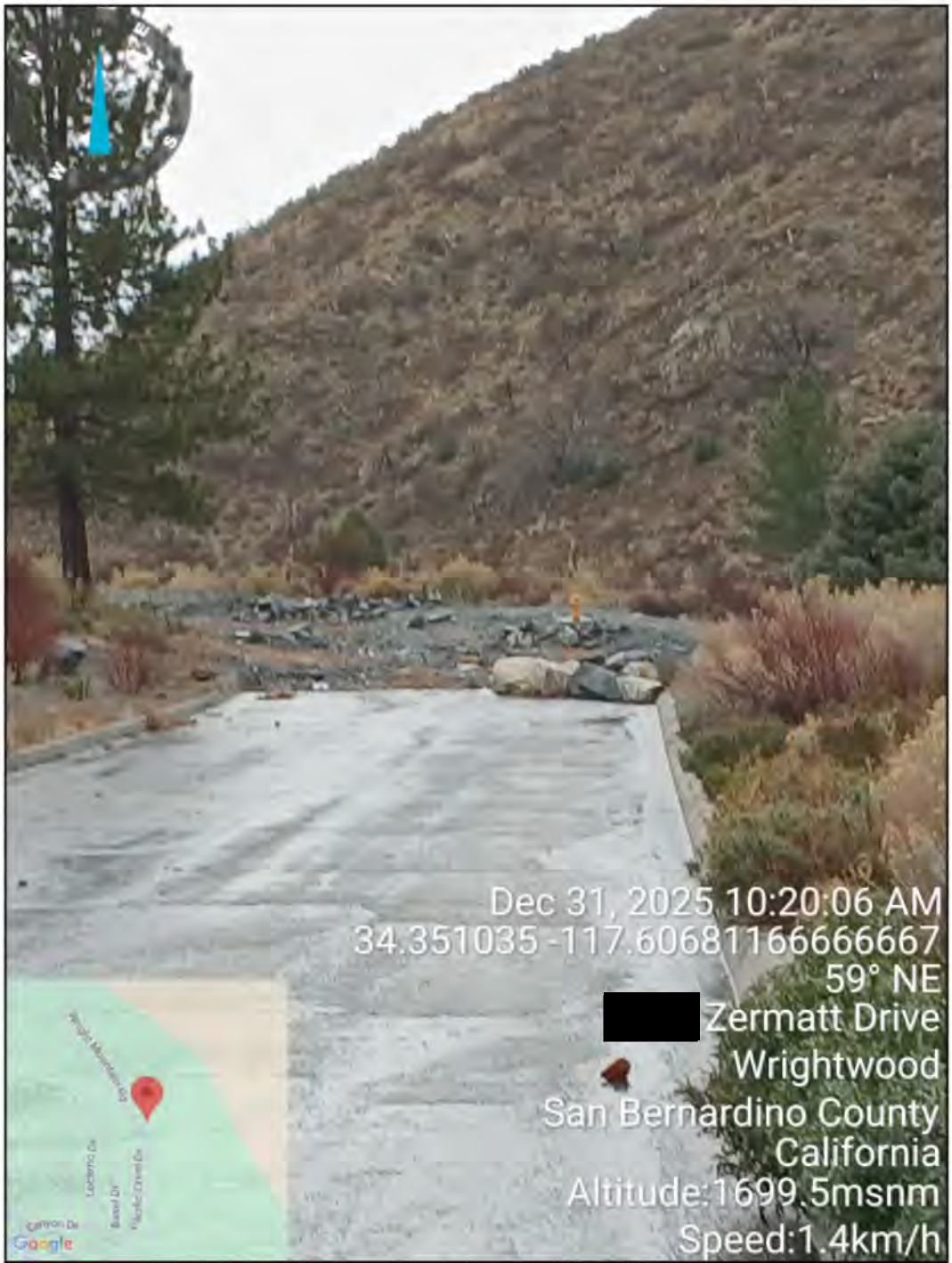
Appendix D
SB County Obs.

S18-540

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S18-541

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



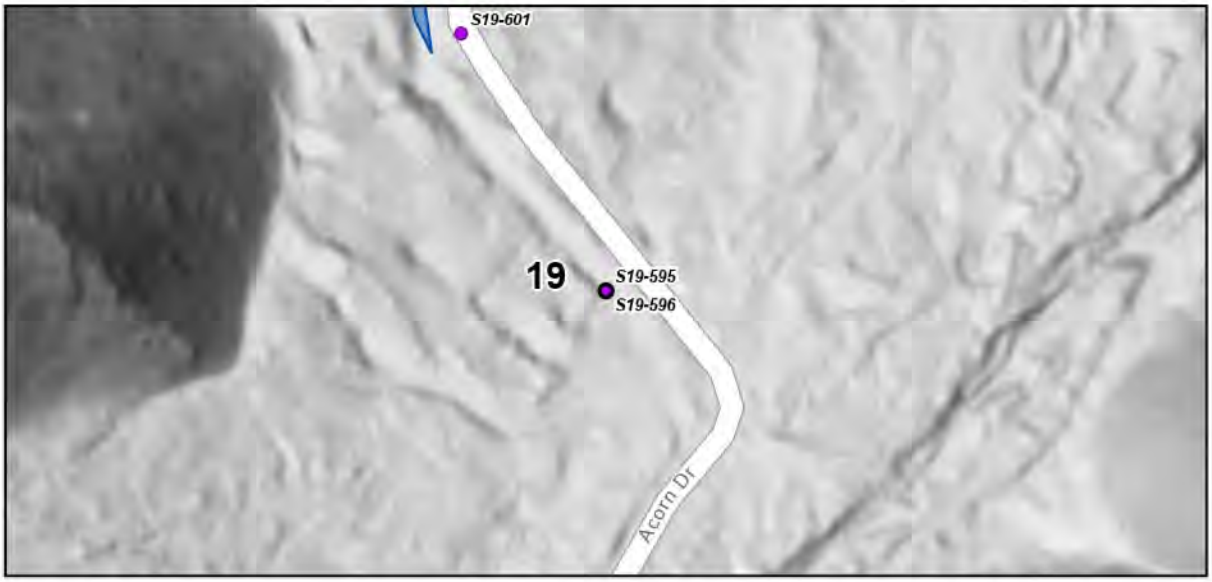


Appendix D
SB County Obs.

S19-595

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



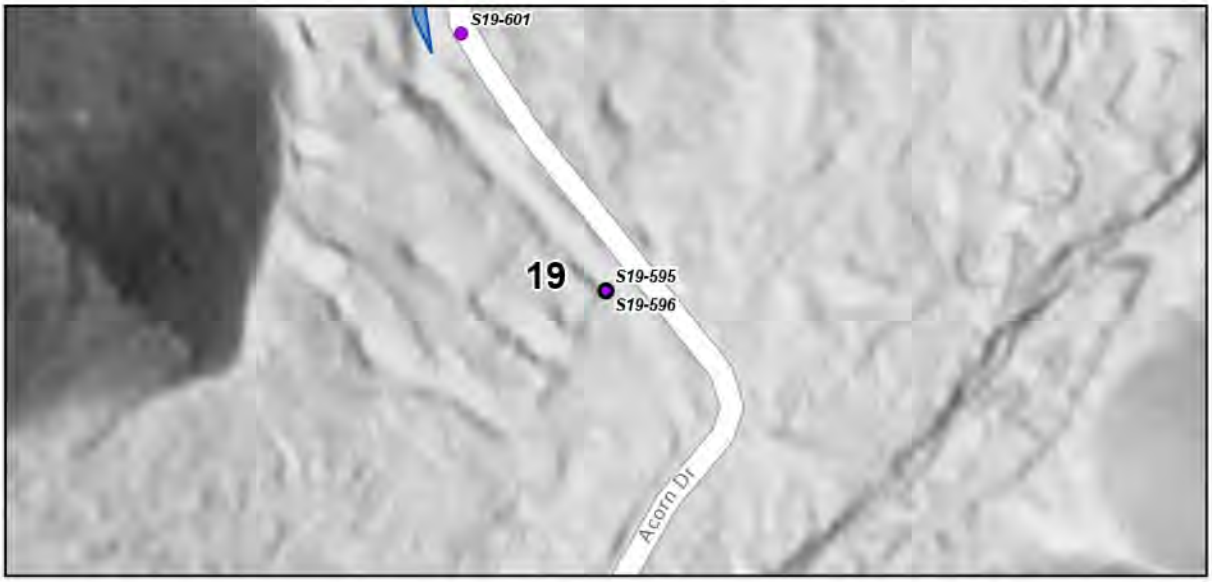


Appendix D
SB County Obs.

S19-596

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m

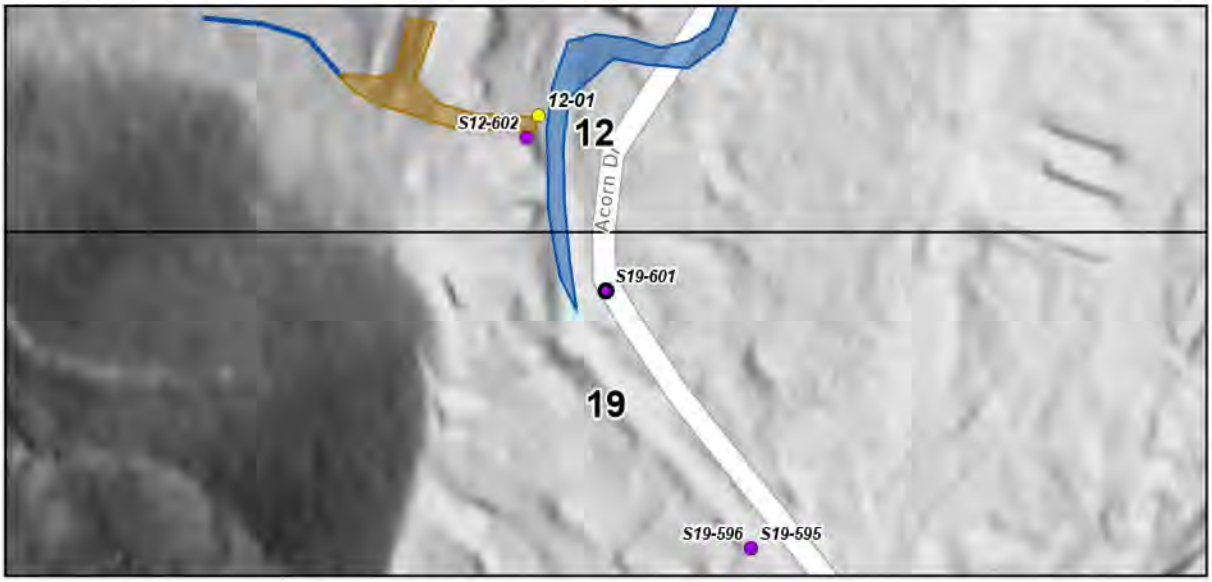




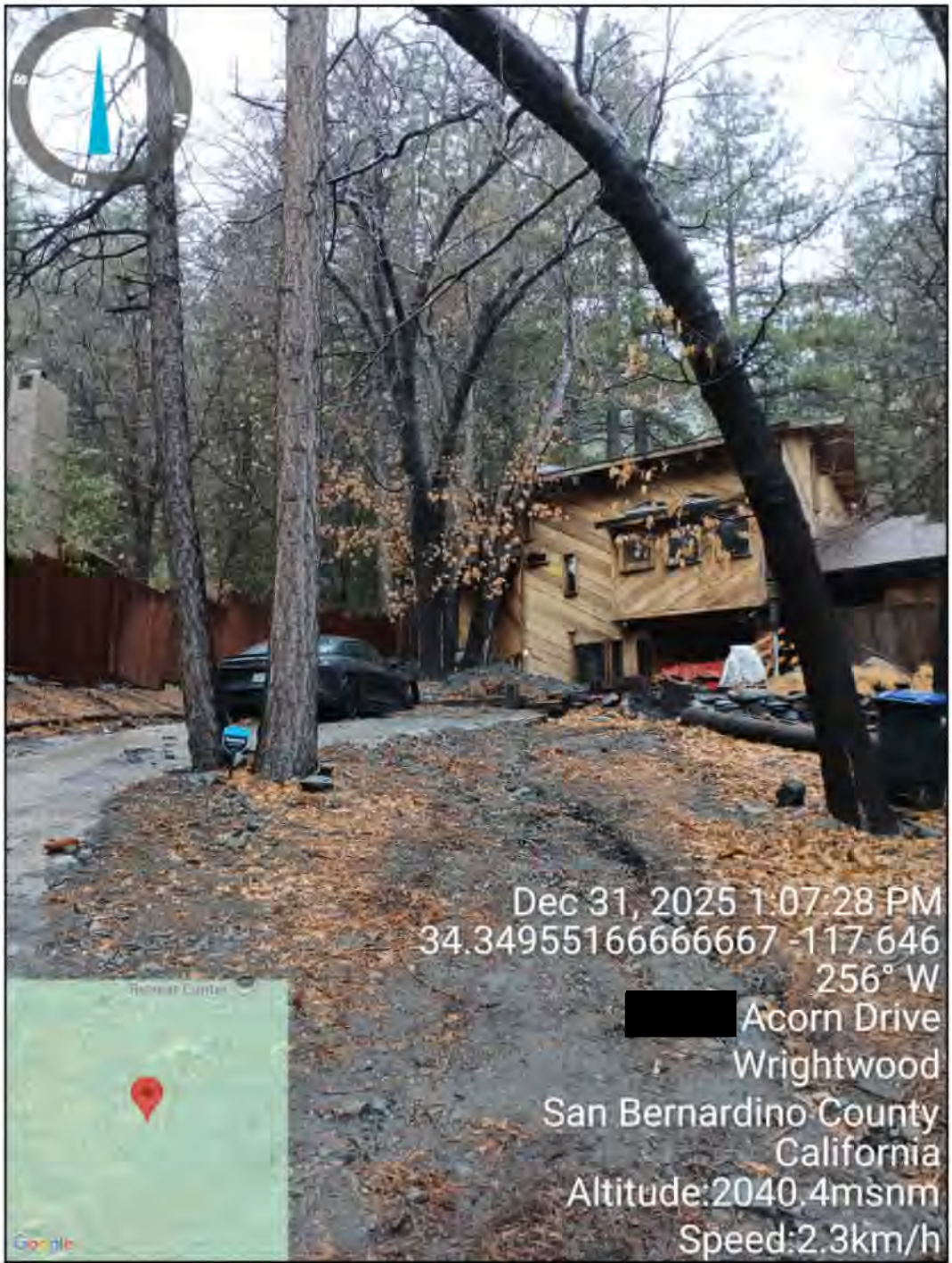
Appendix D
SB County Obs.

S19-601





0 50 m



Appendix D
SB County Obs.

S20-259

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S20-260

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S21-528

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





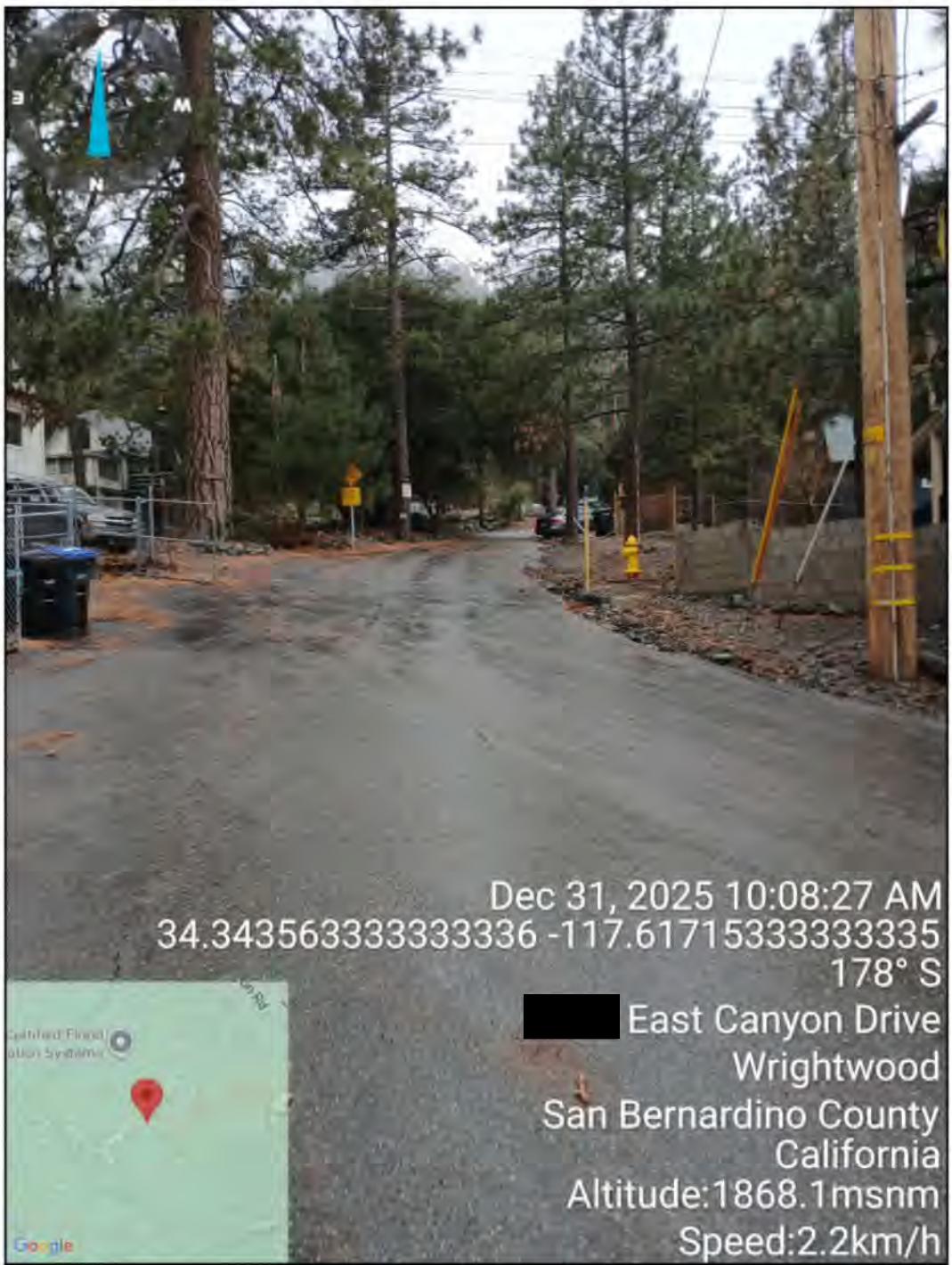
Appendix D
SB County Obs.

S21-538

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S22-021

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S22-022

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S22-023

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S22-024

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S22-025

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S22-529

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S22-530

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S22-531

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S22-532

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S22-533

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S22-534

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





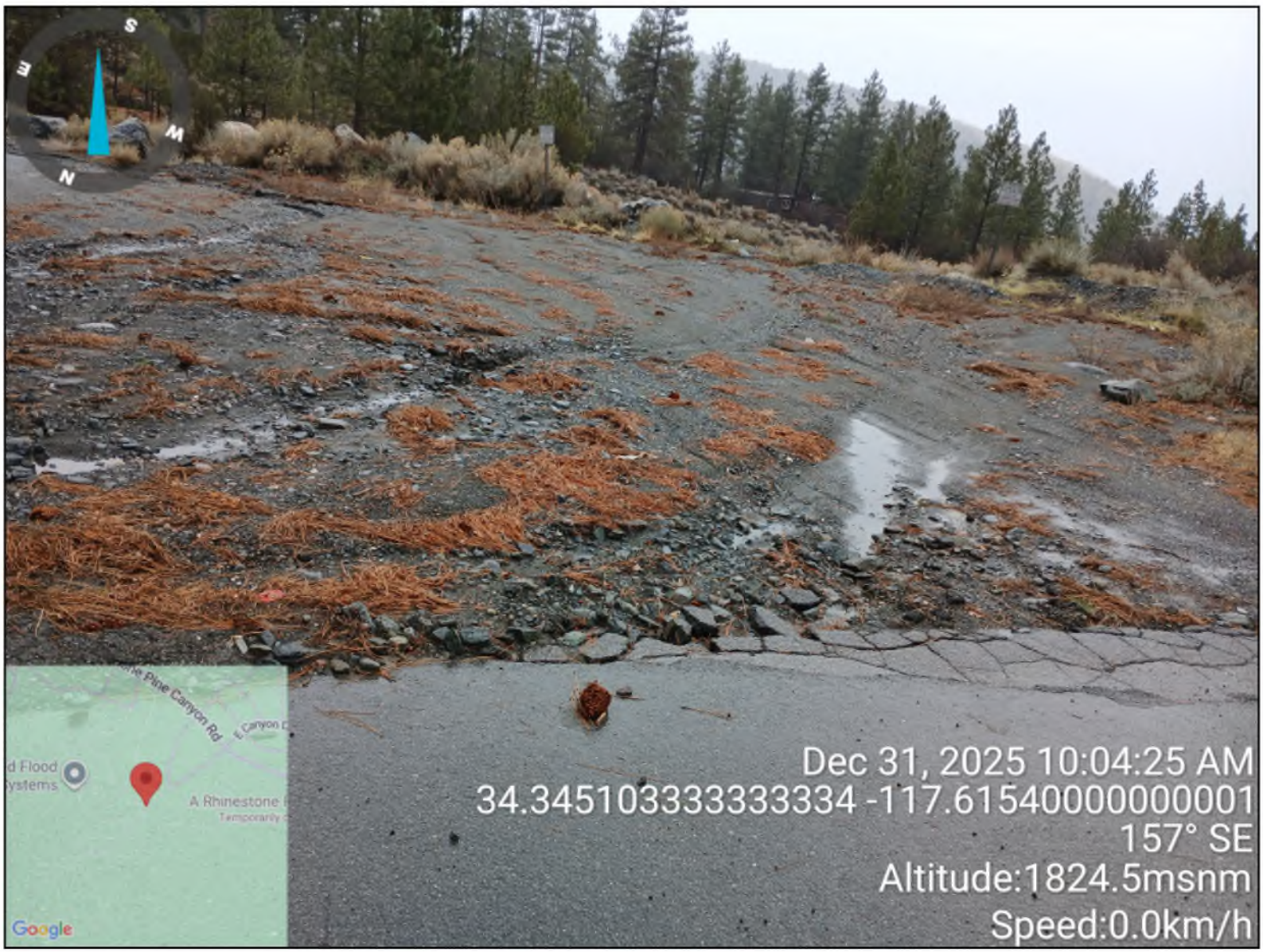
Appendix D
SB County Obs.

S22-535

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S22-536

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m





Appendix D
SB County Obs.

S22-537

- Deposit Polygons
- Transport Polygons
- Source Polygons
- Flowlines
- CGS Observations
- SB County Obs.
- LA County Obs.

0 50 m



