



CHIQUITA CANYON
A Waste Connections Company

September 9, 2025

Via E-Mail

Karen Gork
Chief Environmental Health Specialist
Los Angeles County Department of Public Health
Local Enforcement Agency
Environmental Programs Division
5050 Commerce Drive,
Baldwin Park, California 91706
KGork@ph.lacounty.gov

Re: Chiquita Canyon, LLC's Weekly Report on the Documentation and Tracking of Cover Issues, Monthly Summary and Monthly Isopach Map

Dear Ms. Gork:

In accordance with the Local Enforcement Agency's ("LEA") May 2, 2024 letter approving Chiquita's April 16, 2024 Second Revised Written Plan for Documenting and Tracking Cover Issues ("Second Revised Written Plan"), the LEA's May 29, 2024 letter, and the LEA's June 6, 2024 Compliance Order, Chiquita presents the enclosed report for documenting and tracking cover issues for the week of September 1, 2025 to September 6, 2025. Please note there are no logs for September 1, 2025, due to the federal holiday.

Also included in this report are the monthly isopach map and the monthly summary of fissures and tension cracks prepared for August 2025, pursuant to the Second Revised Written Plan.

Please contact me if you have any questions regarding this matter.

Regards,

Amanda Froman

Amanda Froman
Compliance Manager
Chiquita Canyon, LLC

Attachment: September 9, 2025 Weekly Cover Issues Report and Monthly Summary
cc: Mark Como, Department of Public Health
Eric Morofuji, Department of Public Health

Fissures and Tension Cracks

4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

2 Sep 2025 / Tom Roe

Complete

Conducted on

2 Sep 2025 7:59 AM PDT

Prepared by

Tom Roe

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks
1

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

147

Date and Time Found

2 Sep 2025 8:01 AM PDT

Image of Fissure/Tension Crack



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6

Length of crack (ft) or area containing multiple cracks (ft x ft)

155ft x 5ft

Not continuous crack over 50ft.

Horizontal Offset (width)

Small 0.5-2" in width

Vertical Offset (height)

Small 0.5-2" in height

Orientation (direction)

NW to SE

Location

Castaic CA 91384
United States
(34.43585040656491,
-118.64698804473485)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes



Photo 7

Date and time of repairs		2 Sep 2025 8:33 AM PDT
Description of repairs		Cracks were track walked.
Instability		
Are there any indications of slope stability concerns?		No

4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

3 Sep 2025 / Tom Roe

Complete

Conducted on

3 Sep 2025 9:47 AM PDT

Prepared by

Tom Roe

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks
1

Fissure or Tension Crack Found?

No

Grid 147



Photo 1

Instability

Are there any indications of slope stability concerns?

No

4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

4 Sep 2025 / John Boucher

Complete

Conducted on

4 Sep 2025 9:36 AM PDT

Prepared by

John Boucher

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks
1

Fissure or Tension Crack Found?

No

Grid 154



Photo 1

Instability

Are there any indications of slope stability concerns?

No

4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

5 Sep 2025 / John Boucher

Complete

Conducted on

5 Sep 2025 10:42 AM PDT

Prepared by

John Boucher

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks
1

Fissure or Tension Crack Found? Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location 146

Date and Time Found 5 Sep 2025 10:58 AM PDT

Image of Fissure/Tension Crack




Photo 1



Photo 2

Length of crack (ft) or area containing multiple cracks (ft x ft) 7ft

Horizontal Offset (width)	Extra Small <0.5 in width
Vertical Offset (height)	Extra small <0.5" in height
Orientation (direction)	N to S
Location	Castaic CA 91384 United States (34.43624834541708, -118.64696033177474)
Was Fissure or Crack fixed? If yes, add photo and description of repairs performed	Yes
	
Photo 3	
Date and time of repairs	5 Sep 2025 11:51 AM PDT
Description of repairs	Other (please describe)
Dirt added and compacted with loader	
Chiquita Reaction Area Tracking of Fissures and Tension Cracks 2	
Fissure or Tension Crack Found?	Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

147

Date and Time Found

5 Sep 2025 11:07 AM PDT

Image of Fissure/Tension Crack



Photo 4



Photo 5

Length of crack (ft) or area containing multiple cracks (ft x ft)

5ft

Horizontal Offset (width)

Medium 2-4" in width

Vertical Offset (height)

Extra small <0.5" in height

Orientation (direction)

NW to SE

Location

Castaic CA 91384
United States
(34.43570660571015,
-118.64685617367196)

Was Fissure or Crack fixed? If yes, add photo and description

Yes

of repairs performed



Photo 6

Date and time of repairs

5 Sep 2025 12:03 PM PDT

Description of repairs

Other (please describe)

Dirt added and compacted with loader

Instability

Are there any indications of slope stability concerns?

No

4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

6 Sep 2025 / John Boucher

Complete

Conducted on

6 Sep 2025 7:51 AM PDT

Prepared by

John Boucher

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks
1

Fissure or Tension Crack Found?

No

Grid 166



Photo 1

Instability

Are there any indications of slope stability concerns?

No

Settlement

The bi-weekly drone flyover was not conducted this week. The drone data from the next flyover event will be included in the next weekly report.

Geosynthetic Cover

4050 - Geosynthetic Cover Inspection

2 Sep 2025 / Tom Roe

Complete

Flagged items	0
Conducted on	2 Sep 2025 8:32 AM PDT
Prepared by	Tom Roe

Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3



Photo 4

Instability under the cover

Are there any anomalous (unusual or unexpected) areas of cover damage or deformation that may indicate underlying instability?

No

Are there any signs of a downslope tension crack at the top of the slope or bulging at or near the toe of the slope?

No

Is there any movement of the equipment that vertically penetrates the cover (e.g., tilting)?

No

4050 - Geosynthetic Cover Inspection

3 Sep 2025 / Tom Roe

Complete

Flagged items	0
Conducted on	3 Sep 2025 2:41 PM PDT
Prepared by	Tom Roe

Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3



Photo 4

Instability under the cover

Are there any anomalous (unusual or unexpected) areas of cover damage or deformation that may indicate underlying instability?

No

Are there any signs of a downslope tension crack at the top of the slope or bulging at or near the toe of the slope?

No

Is there any movement of the equipment that vertically penetrates the cover (e.g., tilting)?

No

4050 - Geosynthetic Cover Inspection

4 Sep 2025 / John Boucher

Complete

Flagged items	0
Conducted on	4 Sep 2025 10:19 AM PDT
Prepared by	John Boucher

Identification of Issues

Identified Issue

Identified Issue 1

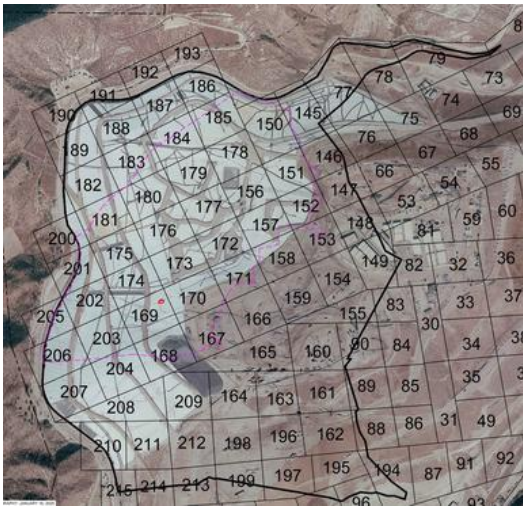
Are there any issues with the geosynthetic cover?

Yes

Date and Time Issue Found

4 Sep 2025 10:40 AM PDT

Grid Location



Grid 169

Take photo of identified issues



Photo 1

Notate what the issue is and what needs to be repaired

Small tear in liner. Needs to be extrusion welded

Take photo of repair



Photo 2

Description of repair work

Piece of flex tape placed over torn section until permanent repairs can be conducted

Date and time of repair (within 2 hours)

4 Sep 2025 10:51 AM PDT

Are further permanent repairs required?

Yes

Liner was patched and extrusion welded. Permanent repair was conducted on 09-05-2025



Photo 3

Instability under the cover

Are there any anomalous (unusual or unexpected) areas of cover damage or deformation that may indicate underlying instability?

No

Are there any signs of a downslope tension crack at the top of the slope or bulging at or near the toe of the slope?

No

Is there any movement of the equipment that vertically penetrates the cover (e.g., tilting)?

No

4050 - Geosynthetic Cover Inspection

5 Sep 2025 / John Boucher

Complete

Flagged items	0
Conducted on	5 Sep 2025 10:18 AM PDT
Prepared by	John Boucher

Identification of Issues

Identified Issue

Identified Issue 1

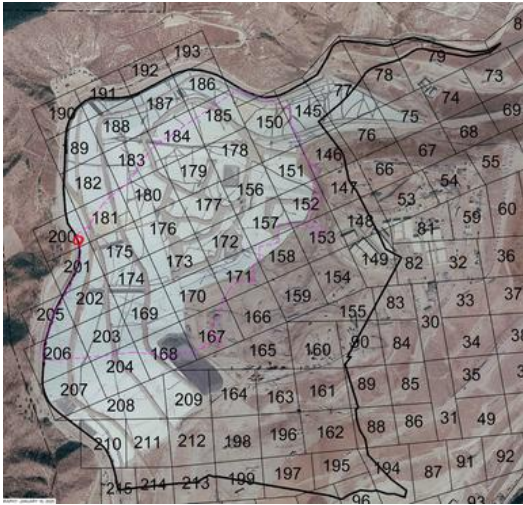
Are there any issues with the geosynthetic cover?

Yes

Date and Time Issue Found

5 Sep 2025 10:18 AM PDT

Grid Location



Grid 200

Take photo of identified issues



Photo 1

Notate what the issue is and what needs to be repaired

Liner torn open. Needs to be patched

Take photo of repair



Photo 2



Photo 3

Description of repair work

Liner sealed with tape, patched and extrusion welded on 9/8/25 at 8:30am

Date and time of repair (within 2 hours)

5 Sep 2025 11:48 AM PDT

Are further permanent repairs required?

No

Instability under the cover

Are there any anomalous (unusual or unexpected) areas of cover damage or deformation that may indicate underlying instability?

No

Are there any signs of a downslope tension crack at the top of the slope or bulging at or near the toe of the slope?

No

Is there any movement of the equipment that vertically penetrates the cover (e.g., tilting)?

No

4050 - Geosynthetic Cover Inspection

6 Sep 2025 / John Boucher

Complete

Flagged items	0
Conducted on	6 Sep 2025 7:51 AM PDT
Prepared by	John Boucher

Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3



Photo 4

Instability under the cover

Are there any anomalous (unusual or unexpected) areas of cover damage or deformation that may indicate underlying instability?

No

Are there any signs of a downslope tension crack at the top of the slope or bulging at or near the toe of the slope?

No

Is there any movement of the equipment that vertically penetrates the cover (e.g., tilting)?

No



September 9, 2025

Mr. Steve Cassulo
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, California 91384

**AUGUST 2025 FISSURE AND TENSION CRACK MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
CASTAIC, CALIFORNIA**

Dear Mr. Cassulo:

This monthly summary report was prepared by Geo-Logic Associates, Inc. (GLA) to summarize the monitoring and tracking of fissures and tension cracks that was performed at the Chiquita Canyon Landfill (Landfill) between August 1 and August 31, 2025, in accordance with Milestone 2B of the Local Enforcement Agency's (LEA) June 6, 2024 Compliance Order, formerly referred to as Mitigation Measure #2B. This summary was prepared in accordance with Chiquita Canyon, LLC's (Chiquita) April 16, 2024 Second Revised Written Plan (Second Revised Written Plan) to document and track cover issues and is associated with Milestone 2B. The conclusions in this summary are based on GLA's review and evaluation of Chiquita's daily Reaction Area Tracking of Fissures and Tension Cracks data sheets that document and track cover issues, on information from Chiquita's drone aerial surveys, and on observations during a site visit on September 3, 2025. The cracking documented herein is attributable to settlement and does not constitute evidence of slope instability, as further described below.

August Observations

Chiquita conducts daily monitoring of the soil cover for fissures and tension cracks and of the geomembrane-covered area for damage or evidence of possible instability. The cracks and fissures that were observed in August 2025 are summarized in Table 1. Table 2 summarizes the daily observations performed in geomembrane-covered areas in August 2025. Chiquita repaired all the cracks identified in Table 1 and all the small geomembrane tears identified in Table 2. As indicated in these tables, no evidence of instability was reported in the soil-covered areas or the geomembrane-covered areas.

The cracks and fissures summarized in Table 1 were reviewed with respect to the criteria for “significant” as that term is defined in Chiquita’s Second Revised Written Plan.¹ The classification of a crack or fissure as “significant” for purposes of this summary does not mean that there is a concern for slope instability or that the Landfill’s containment system is compromised. The criteria were established for comparison purposes only.

Based on these criteria, one crack meeting the definition of “significant,” was observed in Grid 147 on August 25, 2025. That crack had a length of 65 feet with a horizontal offset of “small” (0.5-in to 2-in width) and a vertical offset of “extra small” (<0.5-in height). In addition, although not “significant” under this definition, five cracks or fissures with “medium” horizontal offset were observed in August at the approximate locations shown in Figure 1. The observation of these cracks does not indicate slope instability or compromise of the Landfill’s containment system; rather, they were identified during routine inspection and are reported for consistency with prior documentation of all cracks or fissures with medium or greater horizontal and/or vertical offsets. These cracks and fissures include:

- An approximately 35 ft x 35 ft area with one or more cracks with “medium” horizontal offset and “small” vertical offset was identified in Grid 159 on August 6, 2025.
- An approximately 15 ft long crack with “medium” horizontal offset and “extra small” vertical offset was identified in Grid 146 on August 8, 2025.
- An approximately 6 ft x 20 ft area with one or more cracks with “medium” horizontal offset and “small” vertical offset was identified in Grid 147 on August 22, 2025.
- An approximately 1 ft long crack with “medium” horizontal offset and “large” vertical offset was identified in Grid 147 on August 26, 2025. The photograph of this feature shows that it was a small “collapse” feature likely associated with settlement and is unrelated to instability.
- An approximately 25 ft x 25 ft area with one or more cracks with “medium” horizontal offset and “medium” vertical offset was identified in Grid 147 on August 26, 2025.

¹ Pursuant to the Second Revised Written Plan, a “significant” fissure or tension crack is one that (1) is 100 feet or longer in length; (2) has a horizontal offset of 0.5 inches or more when the fissure/crack is at least 50 feet in length; or (3) has a vertical offset of 0.5 inches or more when the fissure/crack is at least 50 feet in length or there are multiple fissures/cracks oriented in the same direction.

All the cracks identified in Table 1, including the cracks identified above, were repaired. The grid locations of these cracks on the top deck of the landfill, the size and orientations of the cracks, their relatively significant distance from adjacent slopes, and visual observation of Grids 146 and 147 on September 3, 2025 by GLA personnel indicates that these cracks are likely associated with settlement and not with slope instability.

Cross Sections

Cross sections that compare July 31, 2025 and August 27, 2025 topography are shown in Figures 2A through 2E. The locations of the cross sections are shown in Figure 1. The sections show no significant differences in slope between the July 2025 and August 2025 profiles, and no evidence of deformation indicative of instability, which is consistent with the daily site observations and the information summarized in Tables 1 and 2, and with the GLA site observations on September 3, 2025.

Previous Monitoring Results and Trends

Monitoring in May, June, and December 2024 and in June and July 2025 documented cracks potentially meeting the definition of “significant”, as that term is defined in Chiquita’s Second Revised Written Plan, in the following grids:

- **Grid 183.** On May 23, 2024, a 65-ft tension crack with 0.5–2 in. horizontal offset (“small”) was observed. It was repaired by track-walking, and no further cracking was reported in subsequent May and June 2024 inspections. The grid has since been geomembrane-covered, with no evidence of instability observed from July 2024 through August 2025.
- **Grid 151.** Cracking was noted on May 20 and 28, 2024. A June 19, 2024 inspection confirmed multiple cracks within a 15 ft x 35 ft area, including one with >4 in. horizontal offset (“large”) and 0.5–2 in. vertical offset (“small”). On July 2, 2024, an additional nonsignificant crack with similar offsets was observed and repaired. No further cracking has been reported for more than one year, from August 2024 through August 2025.
- **Grid 180.** On June 3, 2024, a 60-ft crack with “small” horizontal offset was observed. The feature was not present in subsequent June 2024 monitoring. The grid has been geomembrane-covered, with no evidence of instability observed through August 2025.
- **Grid 152.** On June 24, 2024, a 55-ft crack with “small” horizontal offset was observed. No cracking was reported in this grid in subsequent inspections until more than a year later. On July 30, 2025, a 10 ft x 5 ft area of cracks with “medium” horizontal and “extra small” vertical offsets was documented, classified as

nonsignificant, and repaired. These cracks were absent during August 2025 monitoring. The grid is partially geomembrane-covered and located near the landfill's top deck center.

- **Grid 146.** On December 4, 2024, a 55-ft crack with “medium” horizontal and “extra small” vertical offsets was documented and repaired. Subsequent May and June 2025 monitoring identified additional nonsignificant cracks with “medium” to “large” horizontal offsets, all repaired. On July 8, 2025, a crack approximately 75 ft long, with “small” horizontal and “extra small” vertical offsets, was observed across a 75 ft x 10 ft area spanning the boundary of Grids 146 and 147; this crack was repaired. Two additional nonsignificant cracks were documented in July, and one in August 2025, as noted above; all were repaired by soil placement and track-walking.
- **Grid 147.** On June 23, 2025, a 100-ft crack with “large” horizontal and “medium” vertical offsets was documented and repaired. On July 8, 2025, a 75-ft crack with “small” horizontal and “extra small” vertical offsets was documented spanning Grids 146 and 147; this crack was repaired. Later July inspections identified one nonsignificant crack with “large” offsets and two with “medium” horizontal and “small” vertical offsets; these cracks were repaired. In August 2025, as noted above, one 65-ft crack and several localized cracks and small “collapse” features (6 ft x 20 ft, 1 ft long, and 25 ft x 25 ft) were documented, all with “medium” horizontal and variable vertical offsets. These were repaired, and photographic evidence indicates the collapse features were associated with settlement, not instability.

Overall, most cracks and fissures documented between April 2024 and August 2025 occurred on the top deck of the Landfill. As summarized in Table 1 and Figure 1, one potentially “significant” crack was identified in Grid 147, and five other non-significant cracks with “medium” to “large” offsets were observed in Grids 159, 146, and 147 during August 2025. Although much of the affected area is now geomembrane-covered, all monitoring to date, including GLA's September 3, 2025 observations and review of settlement plots, indicates the documented cracking is attributable to settlement and does not constitute evidence of slope instability.

Please let me know if you have any questions regarding the information in this report.

Very truly yours,

Geo-Logic Associates, Inc.



Richard A. Mitchell, PG, CEG
Principal Engineering Geologist



Table 1
SUMMARY OF AUGUST 2025 FISSURE AND TENSION CRACK OBSERVATIONS
Chiquita Canyon Landfill

DATE	INSPECTOR	GRID	LOCATION	TYPE	LENGTH (ft)	AREA (ft x ft)	HORIZONTAL OFFSET	VERTICAL OFFSET	ORIENTATION	LATITUDE	LONGITUDE	REPAIRED	INDICATIONS OF SLOPE STABILITY CONCERNS
8/1/2025	John Boucher		No Cracks Found	N/A									No
8/2/2025	John Boucher		No Cracks Found	N/A									No
8/4/2025	John Boucher	146	Top Deck	Area		8x12	Small	Extra Small	NS	34.436037	-118.646988	Yes	No
8/4/2025	John Boucher	147	Top Deck	Linear	40		Small	Extra Small	NW	34.435713	-118.647028	Yes	No
8/5/2025	Tom Roe	154	Top Deck	Linear	25		Small	Extra Small	NE	34.434382	-118.646632	Yes	No
8/6/2025	Tom Roe	159	Top Deck	Area		35x30	Medium	Small	NE	34.433993	-118.647362	Yes	No
8/7/2025	John Boucher	147	Top Deck	Area		2x9	Small	Extra Small	EW	34.435539	-118.646879	Yes	No
8/8/2025	John Boucher	146	Top Deck	Linear	15		Medium	Extra Small	NW	34.435661	-118.646747	Yes	No
8/9/2025	John Boucher		No Cracks Found	N/A									No
8/11/2025	Tom Roe	146	Top Deck	Linear	30		Small	Extra Small	NS	34.435912	-118.646791	Yes	No
8/12/2025	Tom Roe	146	Top Deck	Area		10x25	Small	Extra Small	NW	34.435933	-118.647007	Yes	No
8/12/2025	Tom Roe	148	Top Deck	Area		17x10	Extra Small	Extra Small	NS	34.435375	-118.646532	Yes	No
8/13/2025	Tom Roe	146	Top Deck	Area		45x35	Small	Extra Small	NW	34.436364	-118.646827	Yes	No
8/14/2025	John Boucher	90	Top Deck (South)	Area		20x30	Small	Extra Small	NE	34.435208	-118.644910	Yes	No
8/15/2025	John Boucher	160	Top Deck (South)	Area		20x30	Small	Extra Small	NE	34.433352	-118.646234	Yes	No
8/16/2025	John Boucher		No Cracks Found	N/A									No
8/18/2025	Tom Roe	147	Top Deck	Area		75x5	Extra Small	Extra Small	NW	34.435723	-118.647035	Yes	No
8/19/2025	Tom Roe	159	Top Deck	Area		55x20	Small	Small	NW	34.434231	-118.647605	Yes	No
8/20/2025	Tom Roe		No Cracks Found	N/A									No
8/21/2025	John Boucher		No Cracks Found	N/A									No
8/22/2025	John Boucher	147	Top Deck	Area		6x20	Medium	Small	NW	34.435811	-118.646251	Yes	No
8/23/2025	John Boucher		No Cracks Found	N/A									No
8/25/2025	Tom Roe	147	Top Deck	Linear	65		Small	Extra Small	NW	34.435872	-118.647211	Yes	No
8/26/2025	Tom Roe	149	Top Deck	Area		70x20	Extra Small	Extra Small	NW	34.434760	-118.645924	Yes	No
8/26/2025	Tom Roe	147	Top Deck	Linear	1		Medium	Large	NW	34.435867	-118.646757	Yes	No
8/26/2025	Tom Roe	147	Top Deck	Area		25x25	Medium	Medium	NW	34.435473	-118.646689	Yes	No
8/27/2025	Tom Roe	146	Top Deck	Linear	12		Small	Extra Small	NW	34.436298	-118.646982	Yes	No
8/27/2025	Tom Roe	146	Top Deck	Linear	30		Small	Extra Small	NS	34.435633	-118.647172	Yes	No
8/28/2025	Nancy Bahena		No Cracks Found	N/A									No
8/29/2025	John Boucher	146	Top Deck	Area		6x8	Small	Extra Small	NS	34.436278	-118.646881	Yes	No
8/30/2025	John Boucher		No Cracks Found	N/A									No

HORIZONTAL CRACK DEFINITIONS

Extra Small <0.5-in Width
Small 0.5-in to 2-in Width
Medium 2-in to 4-in Width
Large >4-in Width

VERTICAL CRACK DEFINITIONS

Extra Small <0.5-in Height
Small 0.5-in to 2-in Height
Medium 2-in to 4-in Height
Large >4-in Height

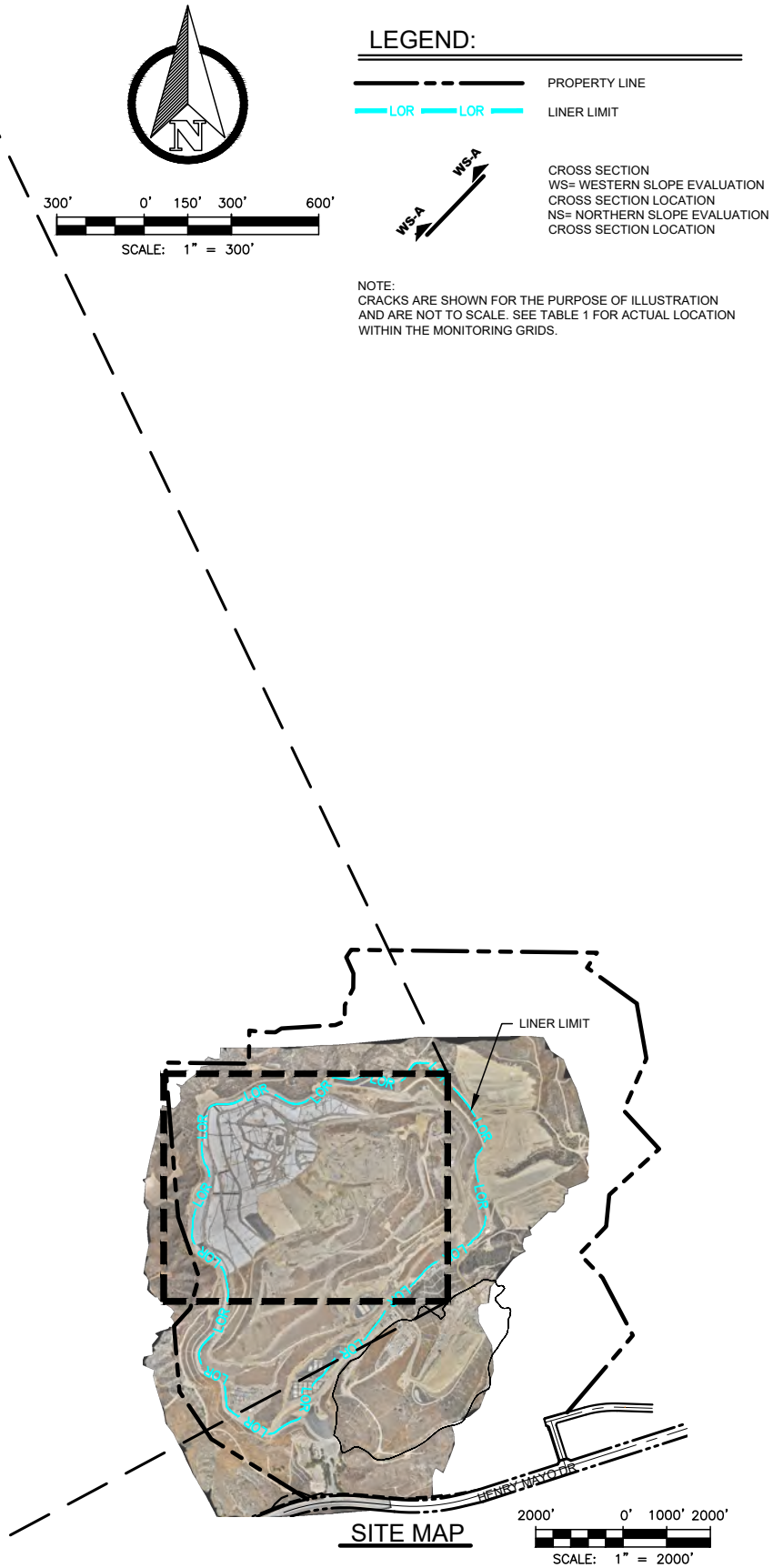
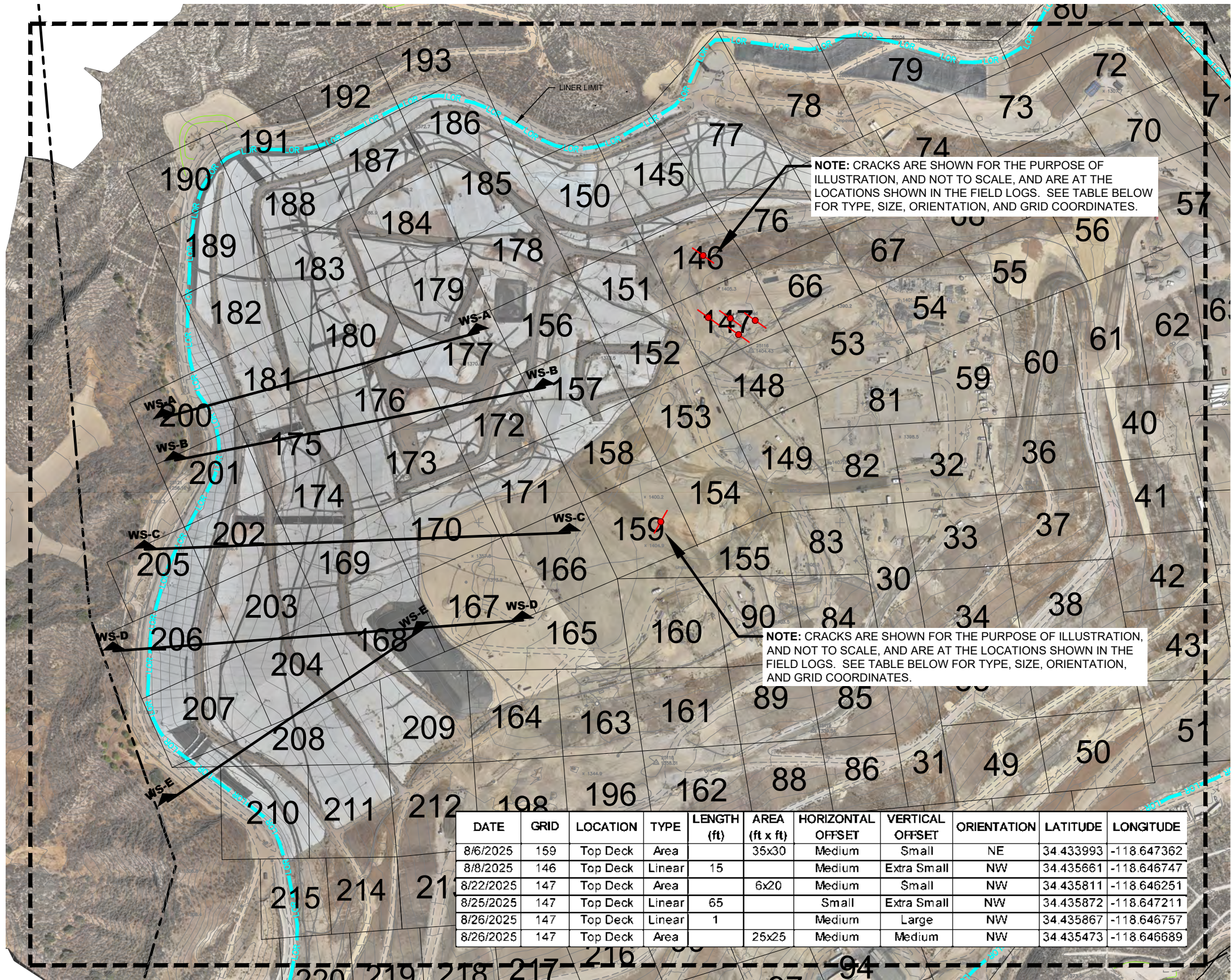
Table 2
SUMMARY OF AUGUST 2025 GEOMEMBRANE COVER OBSERVATIONS
Chiquita Canyon Landfill

DATE	ISSUES OR CONCERNS			
	Issue Identified	Evidence of Underlying Deformation	Tension Cracks at Top of Slope or Bulging at Toe of Slope	Vetical Deformation of Infrastructure Such as Wells or Probes
8/1/2025	No	No	No	No
8/2/2025	No	No	No	No
8/4/2025	Yes ¹	No	No	No
8/5/2025	No	No	No	No
8/6/2025	No	No	No	No
8/7/2025	No	No	No	No
8/8/2025	No	No	No	No
8/9/2025	No	No	No	No
8/11/2025	No	No	No	No
8/12/2025	No	No	No	No
8/13/2025	No	No	No	No
8/14/2025	No	No	No	No
8/15/2025	No	No	No	No
8/16/2025	No	No	No	No
8/18/2025	No	No	No	No
8/19/2025	No	No	No	No
8/20/2025	No	No	No	No
8/21/2025	No	No	No	No
8/22/2025	No	No	No	No
8/23/2025	No	No	No	No
8/25/2025	Yes ²	No	No	No
8/26/2025	No	No	No	No
8/27/2025	Yes ³	No	No	No
8/28/2025	No	No	No	No
8/29/2025	No	No	No	No
8/30/2025	No	No	No	No

August Notes:

1. Small tear in liner in Grid 150. Tear was taped on discovery and was patched on 8/5 at 0636.
2. Small tear in liner in Grid 179. Tear was taped on discovery and extrusion welded on 8/27 at 1113.
3. Tear in weld on liner in Grid 207. Tear was taped on discovery and patched on 8/28/2025.

P:\SITES\CHQUITA CYN L\ MONITORING SUMMARY\FIGURES\RM22.1077-CCL-MS-FIG 1-(2025-09-08).DWG September 8, 2025 - 10:59 AM BY: GLA-USER



This drawing has not been published but rather has been prepared by Geo-Logic Associates, Inc. for use by the client named in the title block, solely in respect of the construction operation, and maintenance of the facility named in the title block. Geo-Logic Associates, Inc. shall not be liable for the use of this drawing on any other facility or for any other purpose.

ISSUED FOR REVIEW
REFERENCE AERIAL TOPO BASED ON AUGUST 27, 2025 AERIAL SURVEY PROVIDED BY PROPELLER

REV. NO.	DATE	DESCRIPTION	APPROVED BY

DATE OF ISSUE: **SEPTEMBER 2025**
DESIGNED BY: R MITCHELL
CAD DESIGN BY: L PADILLA
CHECKED BY: R MITCHELL
APPROVED BY: R MITCHELL



Geo-Logic
ASSOCIATES

2777 EAST GUASTI ROAD
SUITE 1
ONTARIO, CA 91761
(909) 626-2282
www.geo-logic.com



CHIQUITA CANYON
A Waste Connections Company

29201 HENRY MAYO DRIVE
CASTAIC, CA 91384

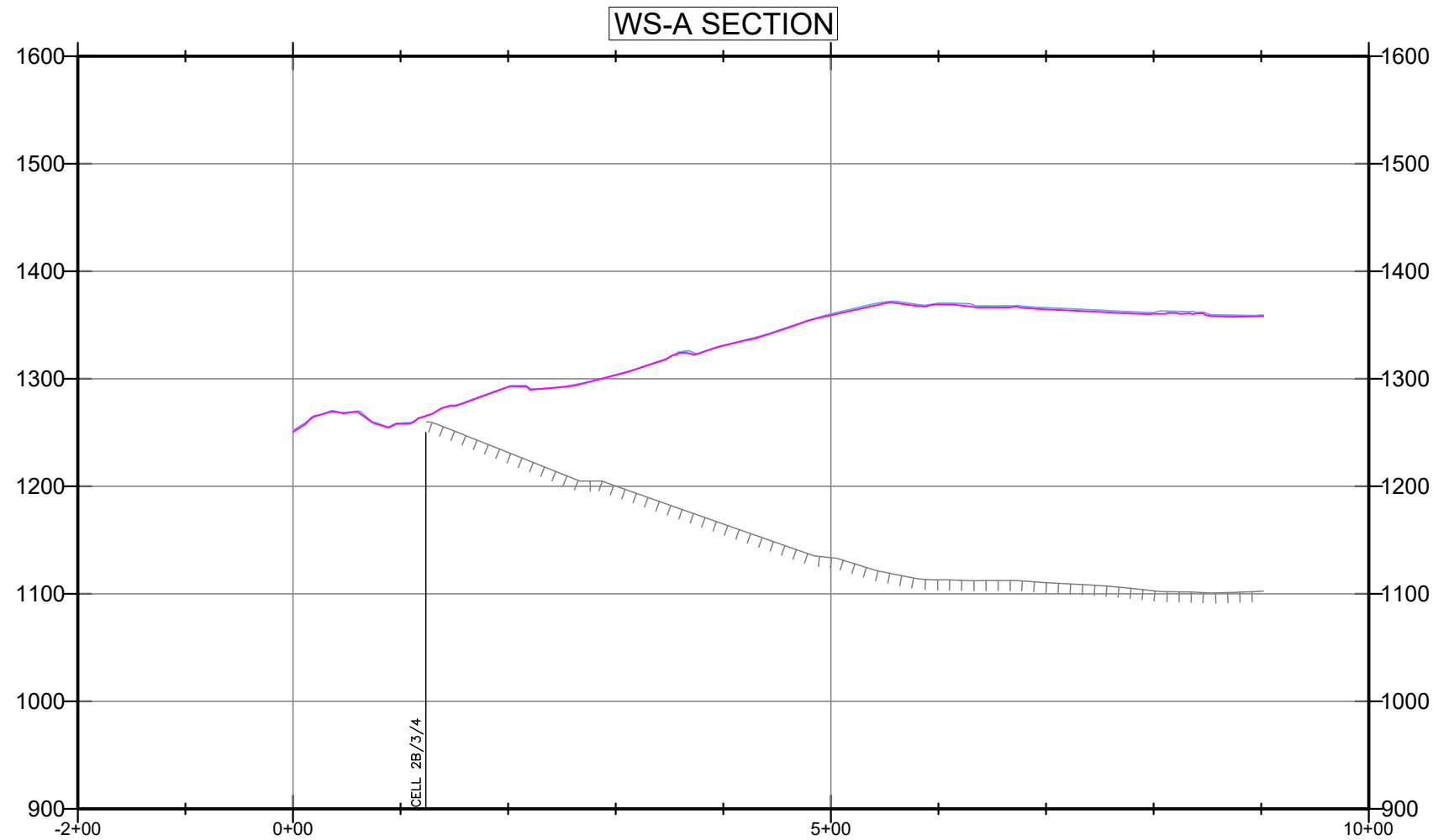
AUGUST 2025 MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
COUNTY OF LOS ANGELES, CA

MONITORING GRID

FIG NO.
01

PROJECT NO.
RM22.1077

P:\SITES\CHIQUITA CYN LF\MONITORING SUMMARY\FIGURES\RM22.1077-CCL-MS-FIG 2A-2E-(2025-09-08).DWG September 8, 2025 - 11:26 AM BY: GLA-USER



LEGEND:

- SUBGRADE
- TOPO 2025-07-31
- TOPO 2025-08-27

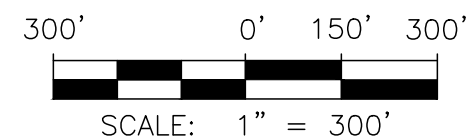
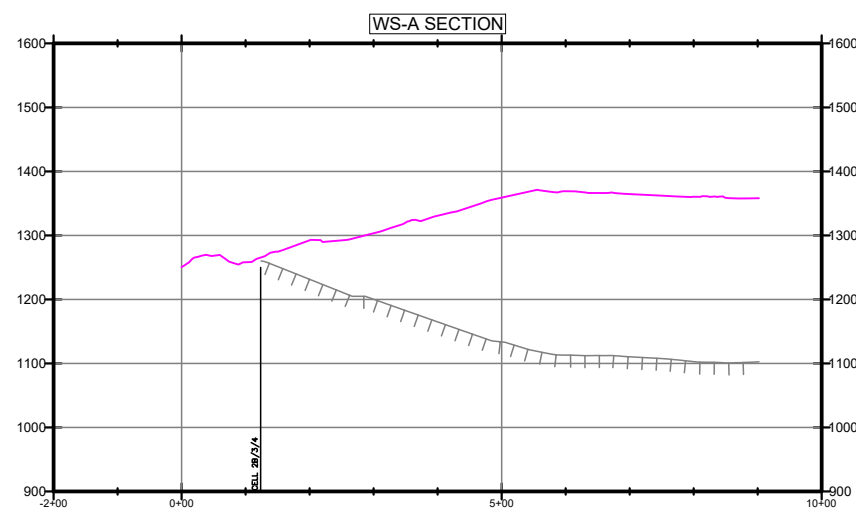
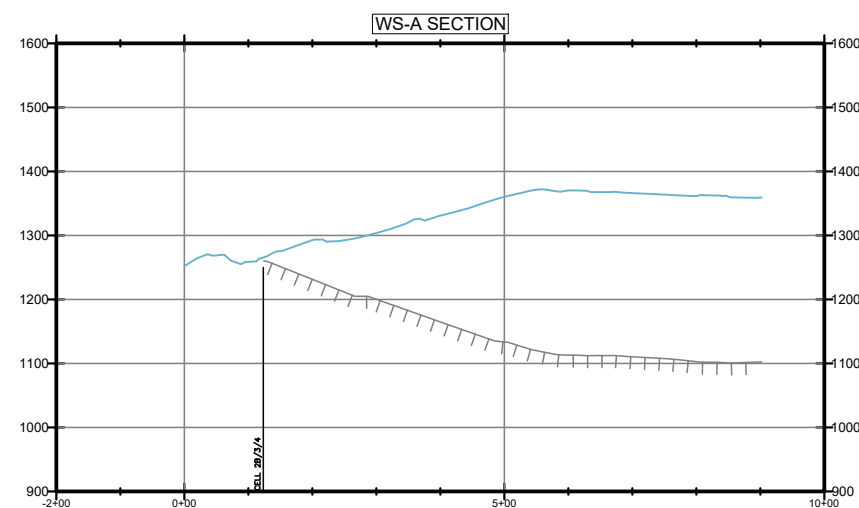
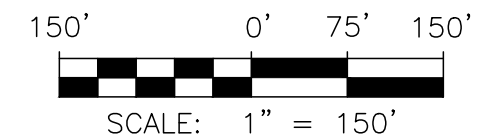


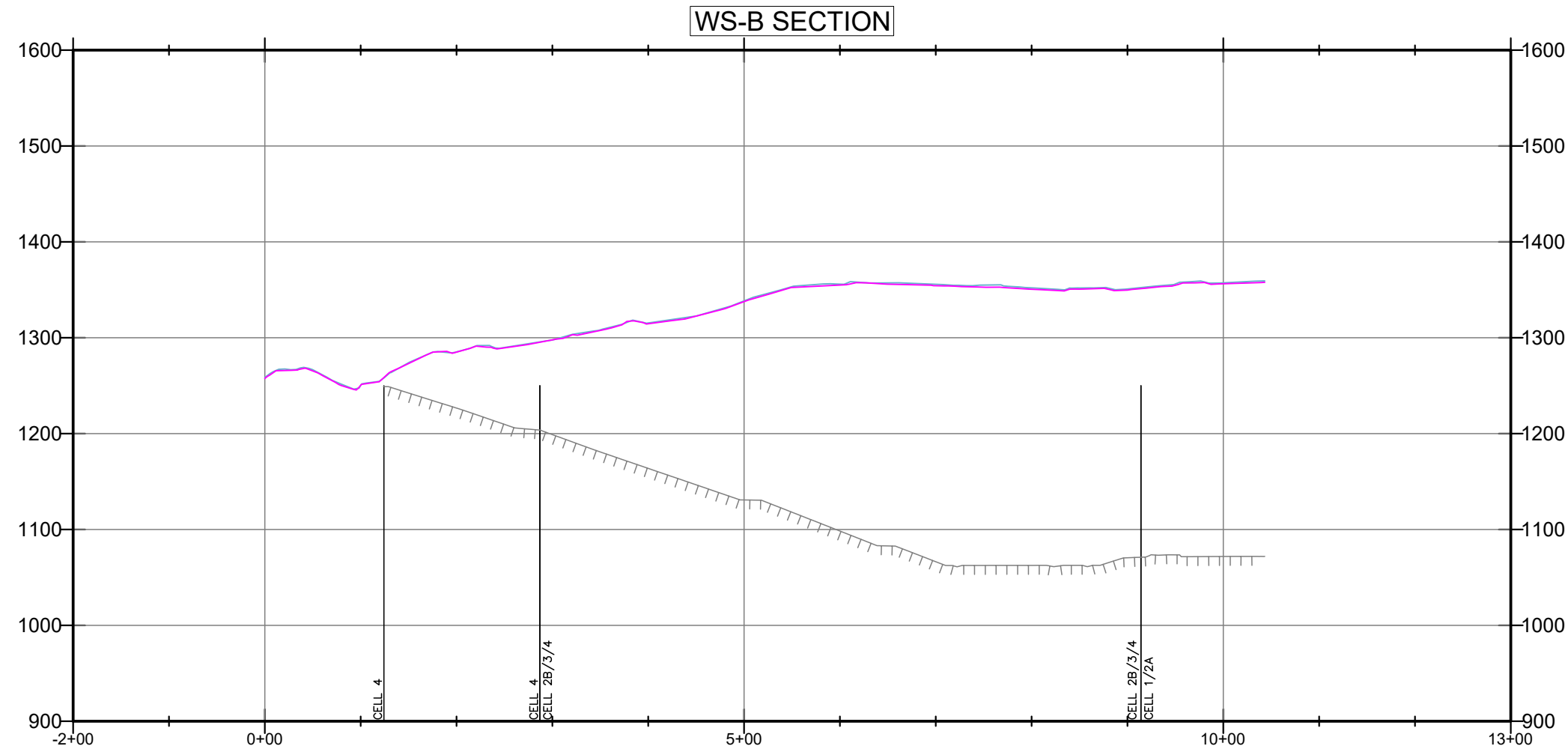
FIGURE 2A

WESTERN SLOPE CROSS SECTION A
AUGUST 2025 MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
COUNTY OF LOS ANGELES, CA

Geo-Logic
ASSOCIATES

DRAWN BY: LP/RM | DATE: SEPTEMBER 2025 | JOB NO.: RM22.1077

P:\SITES\CHIQUITA CYN LF\MONITORING SUMMARY\FIGURES\RM22.1077-CCL-MS-FIG 2A-2E-(2025-09-08).DWG September 8, 2025 - 11:25 AM BY: GLA-USER

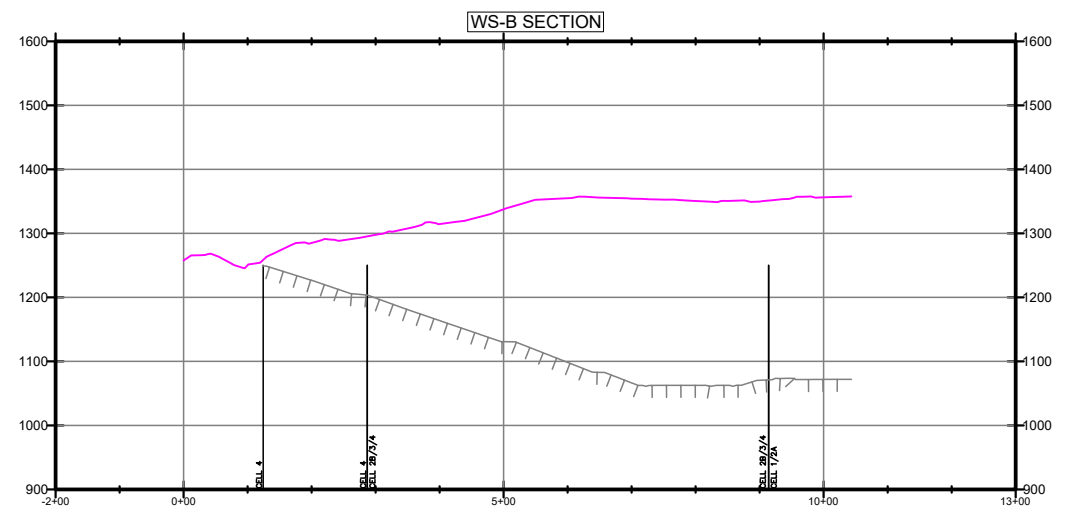
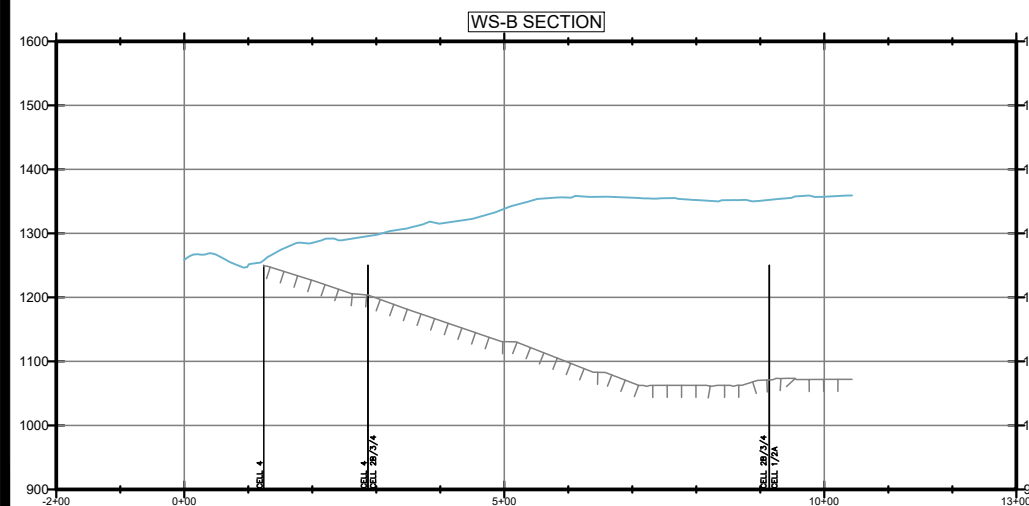


LEGEND:

- SUBGRADE
- TOPO 2025-07-31
- TOPO 2025-08-27

150' 0' 75' 150'

SCALE: 1" = 150'



300' 0' 150' 300'

SCALE: 1" = 300'

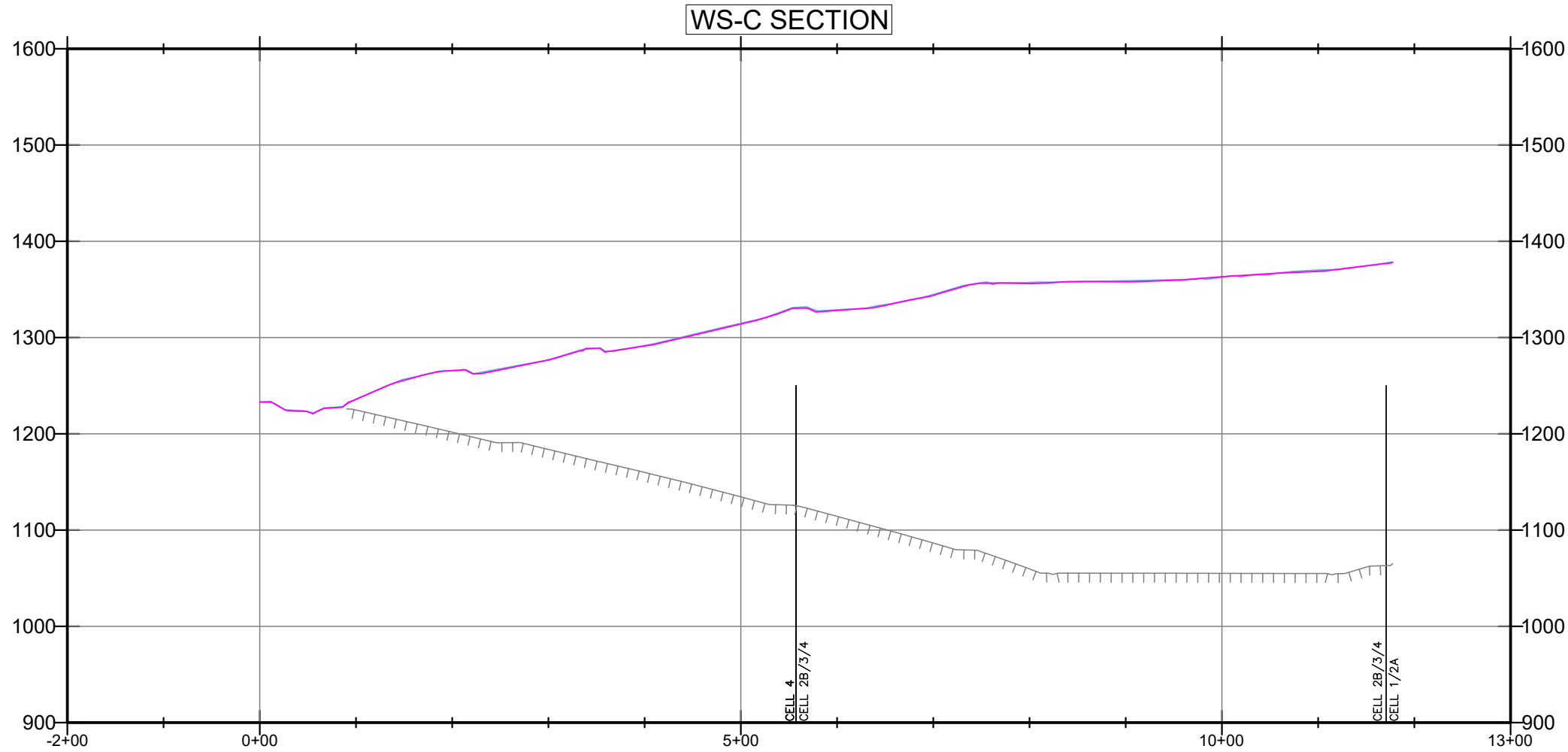
FIGURE 2B

WESTERN SLOPE CROSS SECTION B
AUGUST 2025 MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
COUNTY OF LOS ANGELES, CA

Geo-Logic
ASSOCIATES

DRAWN BY: LP/RM | DATE: SEPTEMBER 2025 | JOB NO.: RM22.1077

P:\SITES\CHIQUITA CYN LF\MONITORING SUMMARY\FIGURES\RM22.1077-CCL-MS-FIG 2A-2E-(2025-09-08).DWG September 8, 2025 - 11:25 AM BY: GLA-USER



LEGEND:

- SUBGRADE
- TOPO 2025-07-31
- TOPO 2025-08-27

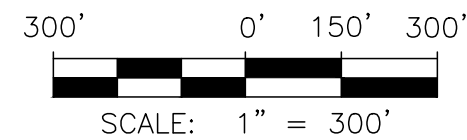
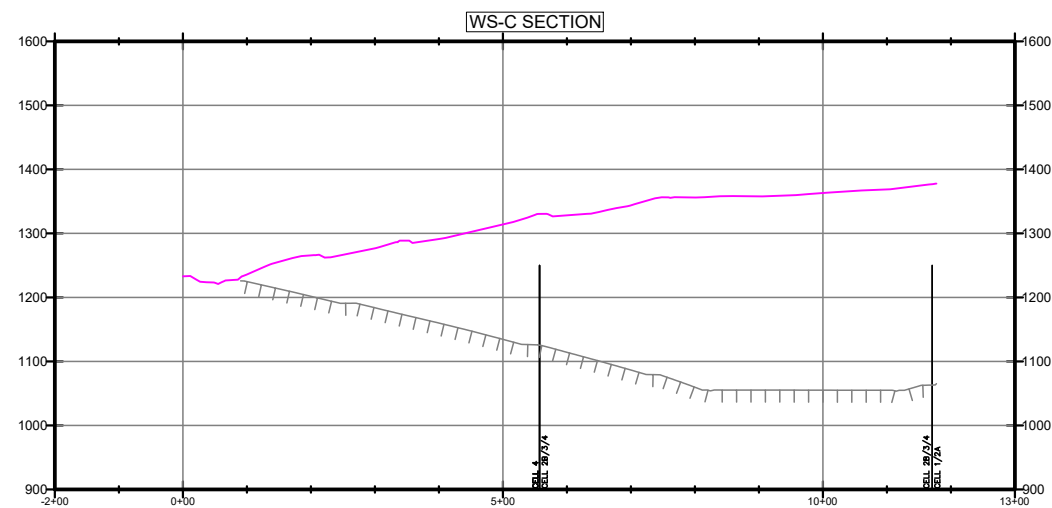
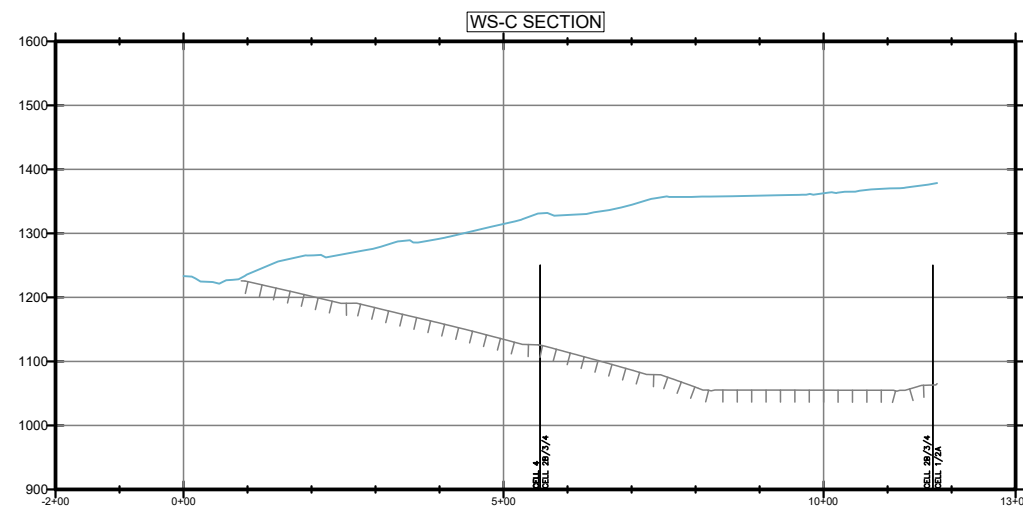
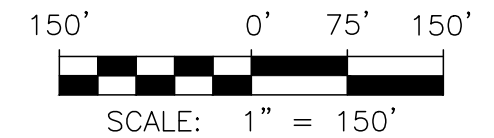


FIGURE 2C

WESTERN SLOPE CROSS SECTION C
AUGUST 2025 MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
COUNTY OF LOS ANGELES, CA

Geo-Logic
ASSOCIATES

DRAWN BY: LP/RM | DATE: SEPTEMBER 2025 | JOB NO.: RM22.1077

P:\SITES\CHIQUITA CYN LF\MONITORING SUMMARY\FIGURES\RM22.1077-CCL-MS-FIG 2A-2E-(2025-09-08).DWG September 8, 2025 - 11:25 AM BY: GLA-USER

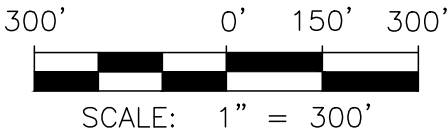
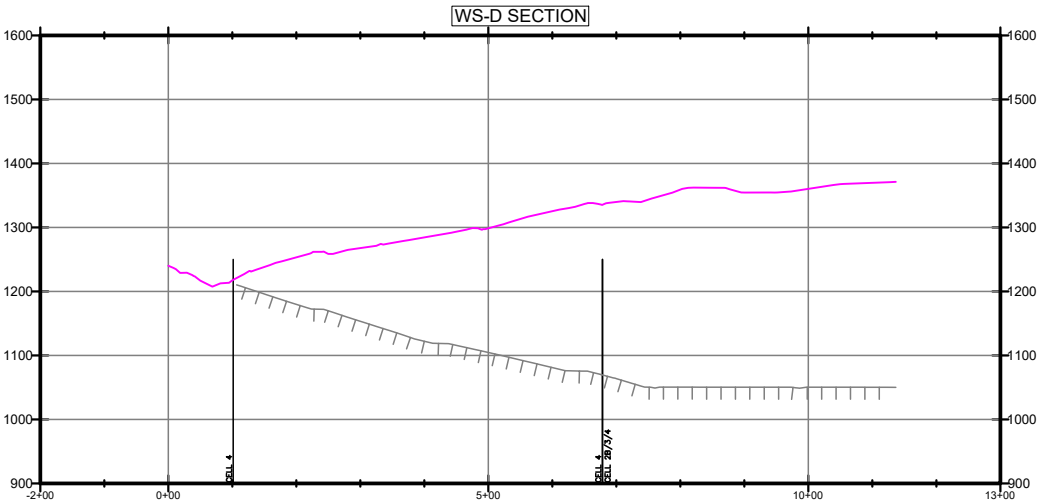
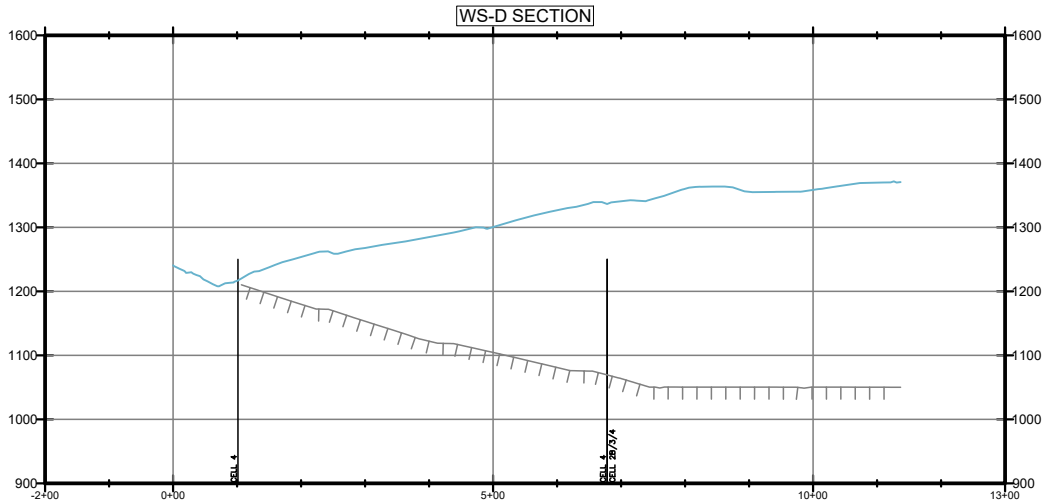
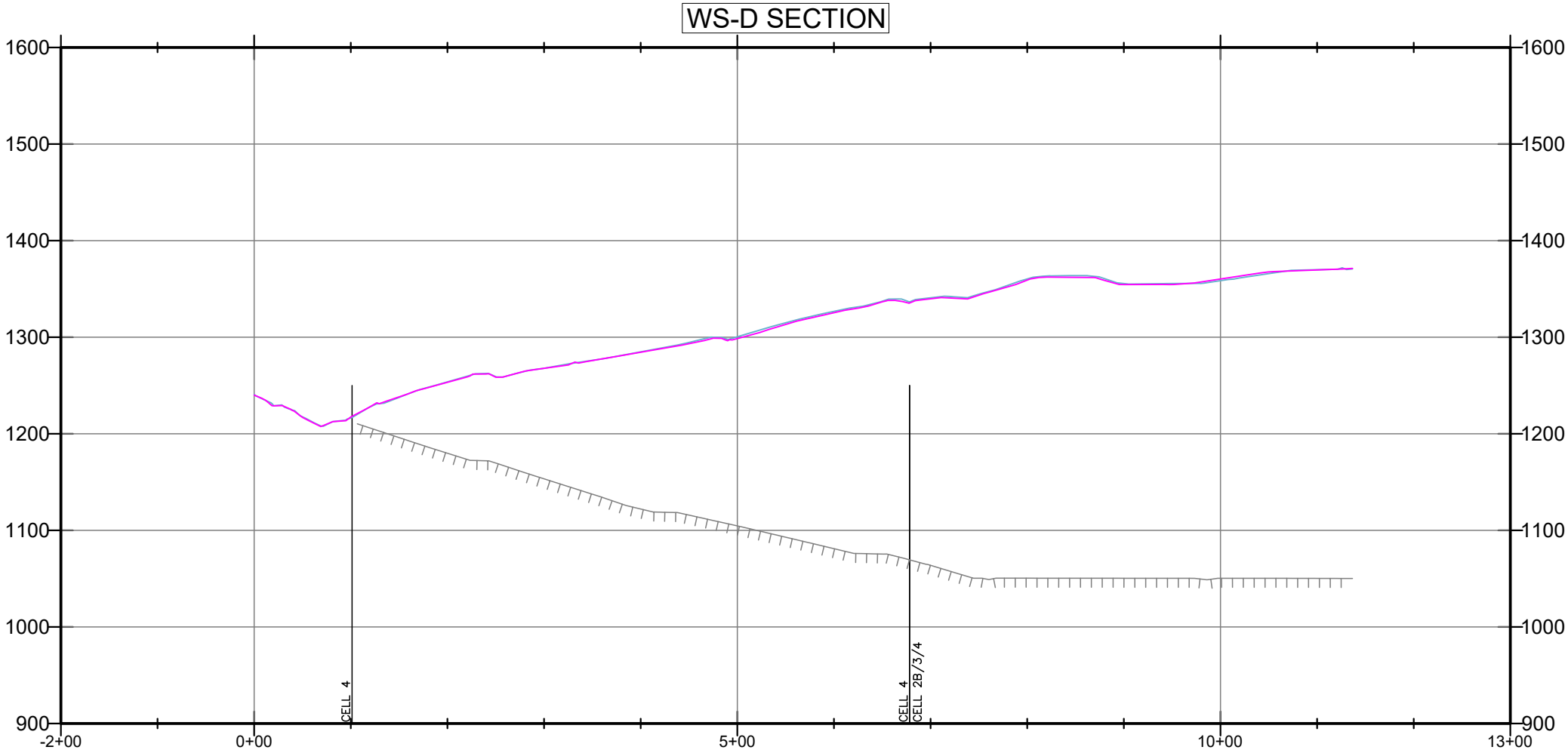


FIGURE 2D
WESTERN SLOPE CROSS SECTION D
AUGUST 2025 MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
COUNTY OF LOS ANGELES, CA



DRAWN BY: LP/RM | DATE: SEPTEMBER 2025 | JOB NO.: RM22.1077

P:\SITES\CHIQUITA CYN LF\MONITORING SUMMARY\FIGURES\RM22.1077-CCL-MS-FIG 2A-2E-(2025-09-08).DWG September 8, 2025 - 11:24 AM BY: GLA-USER

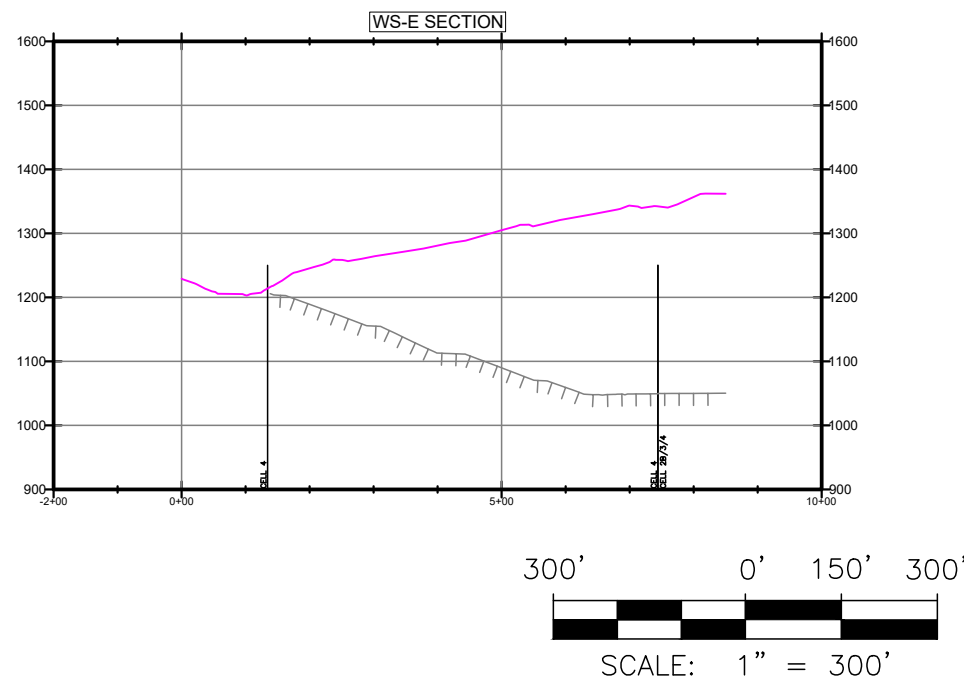
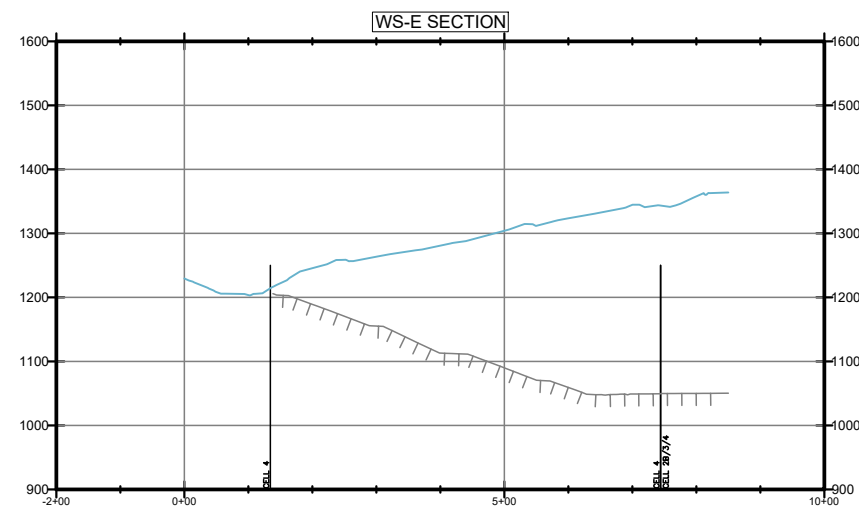
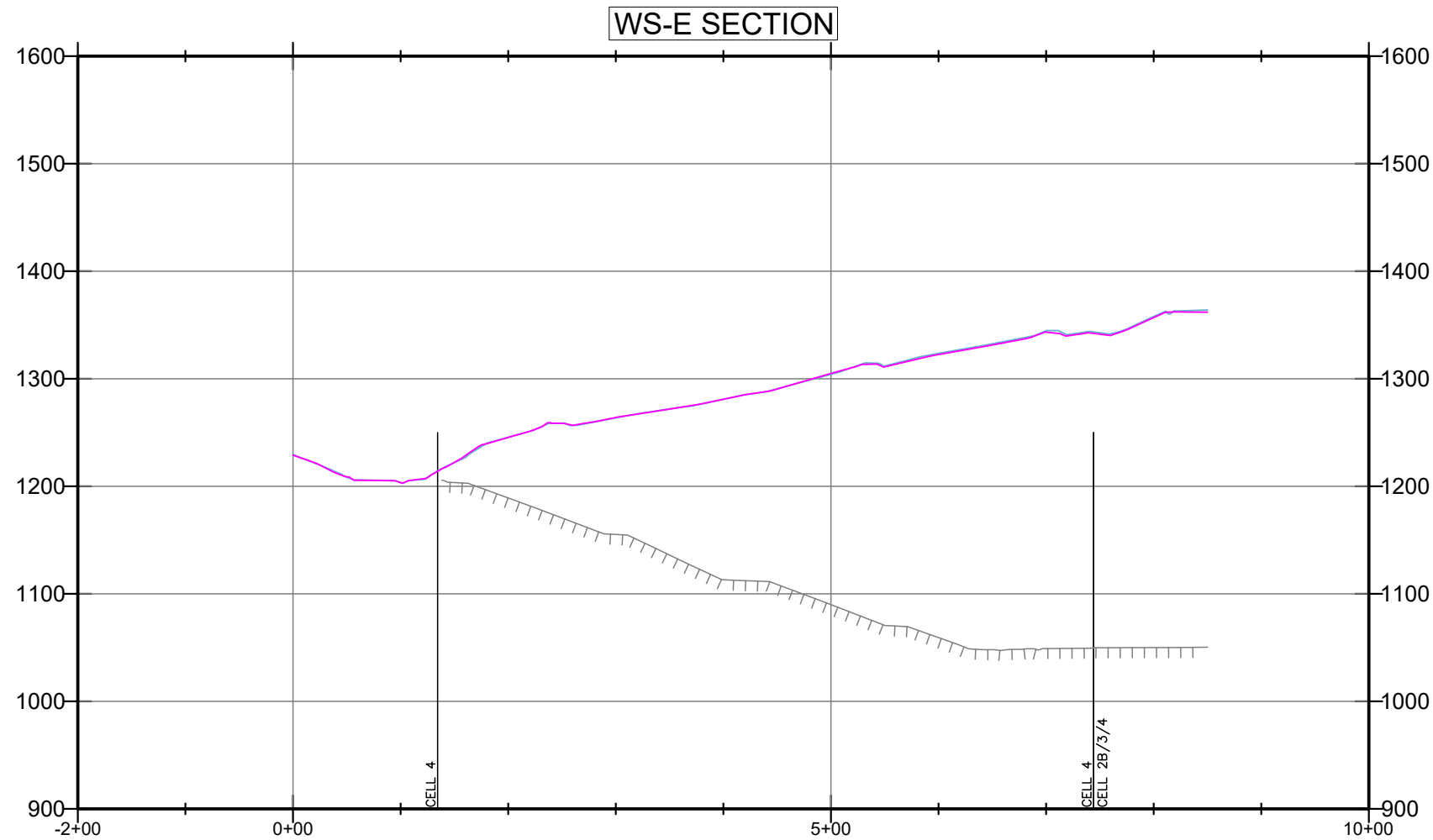
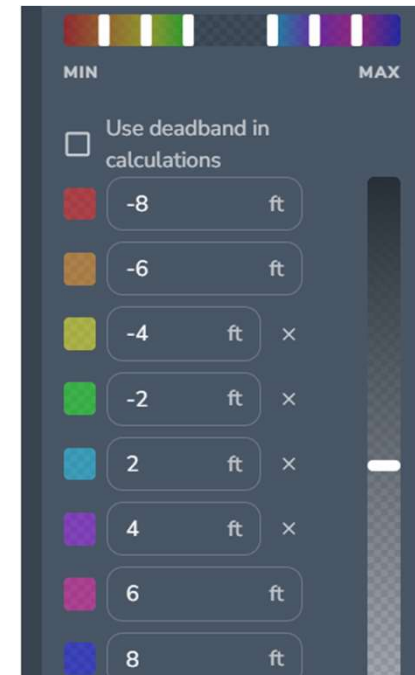
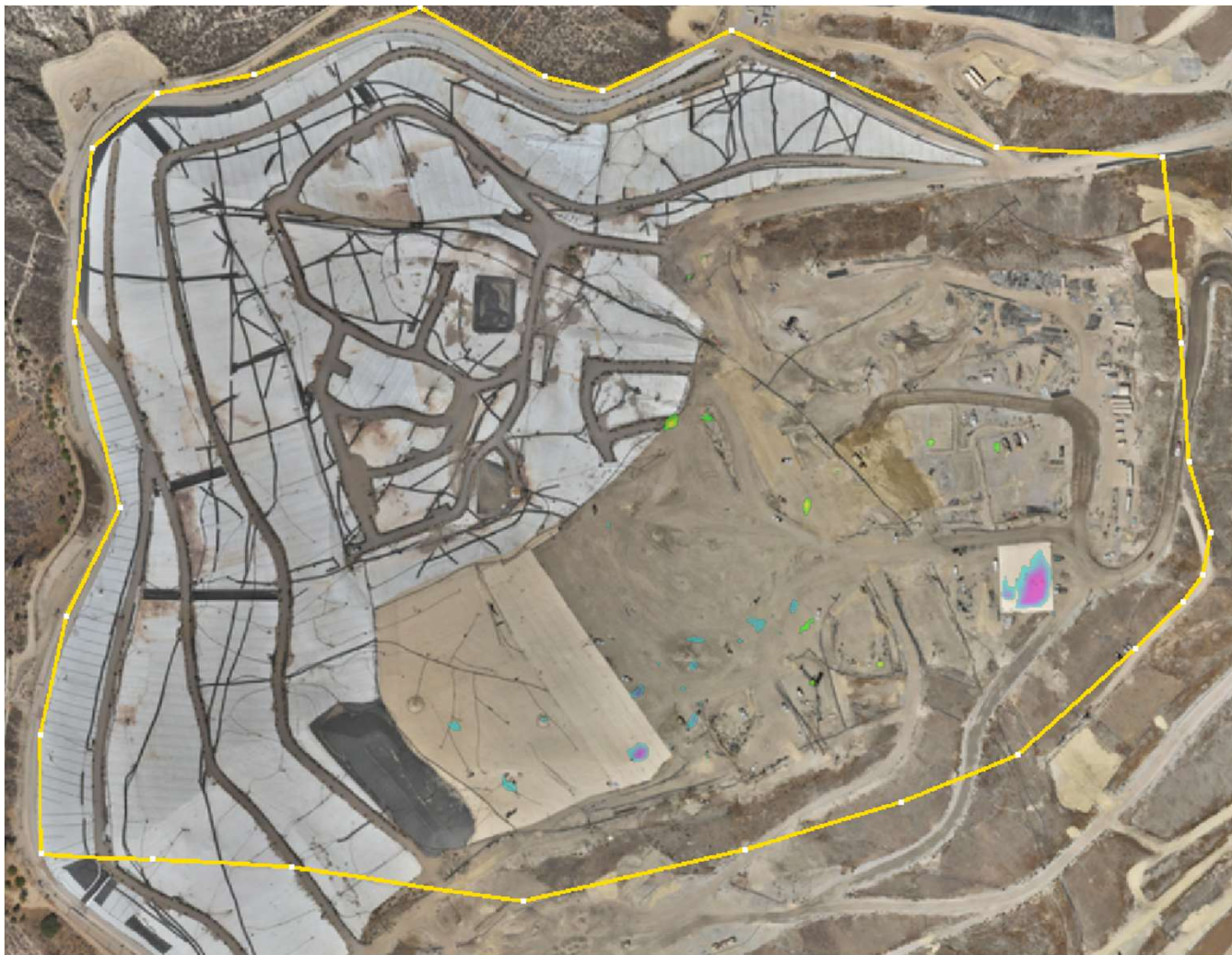


FIGURE 2E
WESTERN SLOPE CROSS SECTION E
AUGUST 2025 MONITORING SUMMARY
CHIQUITA CANYON LANDFILL
COUNTY OF LOS ANGELES, CA

Geo-Logic
ASSOCIATES

DRAWN BY: LP/RM | DATE: SEPTEMBER 2025 | JOB NO.: RM22.1077

Chiquita Canyon Landfill - Isopach



August 27, 2025 Survey Image. July 31, 2025 vs August 27, 2025



September 9, 2025

Via E-Mail

Eric Morofuji
Environmental Health Specialist
Los Angeles County Department of Public
Health Local Enforcement Agency
Environmental Programs Division
5050 Commerce Drive
Baldwin Park, California 91706
emorofuji@ph.lacounty.gov

**Re: Chiquita Canyon, LLC Analysis of August 5, 2025 FLIR Survey in
Response to the December 24, 2024 LEA Letter Regarding
Milestone 2B Compliance, Chiquita Canyon Landfill**

Dear Mr. Morofuji:

Chiquita Canyon, LLC (“Chiquita”) hereby provides this analysis of the August 5, 2025 aerial Forward Looking Infrared (“FLIR”) survey of the geosynthetic cover area of the Chiquita Canyon Landfill (“Landfill”) in response to the December 24, 2024 letter from the Los Angeles County Department of Public Health, Solid Waste Management Program, acting as the Local Enforcement Agency (“LEA”).

This survey is the last of the bi-monthly FLIR surveys required by the LEA’s December 24, 2024 letter. In accordance with that letter, Chiquita hereby requests a reduction in frequency of FLIR surveys to a quarterly basis, as discussed further below.

Aerial FLIR Survey of the Geosynthetic Cover

As previously discussed in Chiquita’s November 12, 2024 response to the LEA, Chiquita engaged Sniffer Robotics, Inc. (“Sniffer”) to perform aerial FLIR surveys of the geosynthetic cover area of the Landfill via radiometric thermal imagery. Sniffer performed the most recent FLIR survey on August 5, 2025. A radiometric thermal camera measured the temperature of the surface by interpreting the intensity of the infrared signal reaching the camera. As explained in Chiquita’s November 12, 2024

letter to the LEA (transmitting the October 2024 survey), certain variables such as ambient temperature, humidity, dew on the geosynthetic cover, rain, the color of surface objects, and solar insolation can affect the accuracy and quality of these surveys. Considering these variables, Chiquita noted that the FLIR technology appears to be detecting heat data not accurately representing potential fissures or tension cracks. Chiquita therefore continues to have significant concerns about the reliability and accuracy of this technology for the purpose of identifying fissures and tension cracks.

Chiquita has prepared this analysis of the August 5, 2025 survey to address the LEA's requests in its December 24, 2024 letter. Sniffer's survey report is included as **Attachment A**. As requested in the LEA's letter, Sniffer's report shows GPS coordinates and quantitative thermal data. In addition, Chiquita has investigated each area previously identified by the LEA and marked as Areas A through E in Figure 1 of CalRecycle's November 25, 2024 letter.

Area A

The area designated by the LEA as "Area A" appears to be in grid 150. The Sniffer data reference points in Area A for the August 5, 2025 survey are points 09-12.¹ As discussed in Chiquita's previous submittals for past surveys, there is active gas collection occurring in this area. Chiquita's Gas Collection and Control System ("GCCS") conveys warm gas to the Landfill's flares, as designed. There is a high concentration of GCCS piping in this area relative to the rest of the Landfill, including multiple vertical paths (landfill gas wellheads), horizontal paths (landfill gas header lines), and conveyance lines that remove hot gases and liquids from the north slope of the Landfill. It is expected that the GCCS system will have higher temperatures in this area, particularly given the higher concentration of GCCS infrastructure. The August 2025 survey shows that the area is improving—there are only four (4) reference points within the Area A boundary in this survey as compared to six (6) in the June 2025 survey, showing that at the time of the survey, the Landfill's GCCS infrastructure was concentrating hot gas and liquids through the piping as needed.

Area B

The area designated by the LEA as "Area B" appears to be in grid 185. The Sniffer data reference point in Area B for the August 5, 2025 survey is point 08. Please note that, as with the June 2025 survey, Sniffer's thermal camera did not detect any elevated temperatures in Area B, one of the areas of interest previously identified in

¹ Reference point 10 is adjacent to the LEA's designated Area A. A gas extraction well is located here which, as described above, would be expected to exhibit higher temperatures. Please note that Sniffer's thermal camera did not detect any elevated temperatures in this area – reference point 10 was included to track trends in this area over time.

the LEA's and CalRecycle's letters. Nevertheless, Sniffer included reference point 08 and thermal images, photographs, and GPS coordinates in accordance with the LEA's directive to track trends in Area B over time. As with the nearby Area A, GCCS infrastructure is highly concentrated in this area. As discussed in Chiquita's previous submittals for past surveys, because the GCCS system is designed to convey the landfill gas from the north slope to the flares, we may expect to see elevated temperatures here, particularly given the higher concentration of GCCS infrastructure. As discussed in Chiquita's previous submittals, this area was previously subject to elevated temperatures where the integrity of the dirt cover was previously compromised, which may explain the elevated temperatures in the October 2024 survey. Chiquita repaired the dirt cover, reinstalled the geomembrane cover, and performed related work during the fourth quarter of 2024 to address this issue.

Since October 2024, the maximum temperatures noted in this area have decreased dramatically from between 152–154 degrees down to about 69 degrees (compare reference points 23 and 25 in the October 2024 thermal images report to reference point 08 in the August 2025 thermal images report). The last two surveys did not result in heat signatures in this area, and a comparison of the June 2025 and August 2025 thermal images in Area B indicates stabilization in temperature in Area B.

Area C

The area designated by the LEA as "Area C" appears to be in grid 181. The Sniffer data reference point in Area C for the August 2025 survey are points 04 and 05. Please note that Sniffer's thermal camera did not detect any elevated temperatures at reference point 05. Nevertheless, Sniffer included reference point 05 and thermal images, photographs, and GPS coordinates in accordance with the LEA's directive to track trends in Area C over time. As discussed in Chiquita's previous submittals for past surveys, this area is along the western portion of the Landfill, where the reaction is closer to the surface relative to the rest of the reaction area, meaning elevated temperatures are closer to the surface and therefore more readily detected by the radiometric thermal camera. In late April to early May 2024, Chiquita installed a horizontal collector for the GCCS system in this area and the nearby Area D in order to collect additional hot gas for conveyance to the flares and thereby further mitigate elevated temperatures in this area.

A comparison of the June 2025 and August 2025 thermal images in Area C indicates an increase of about twelve (12) degrees in average temperature in that area (compare reference point 07 in the June 2025 thermal images report to reference points 04 & 05 in the August 2025 thermal images report). However, heat signatures were confined to a much smaller area than in June 2025.

Area D

The area designated by the LEA as “Area D” appears to be in grid 181. The Sniffer data reference point within Area D for the August 5, 2025 survey is 06. Please note that, as with the June 2025 survey, Sniffer’s thermal camera did not detect any elevated temperatures in Area D, one of the areas of interest previously identified in the LEA’s and CalRecycle’s letters. Nevertheless, Sniffer included reference point 06 and thermal images, photographs, and GPS coordinates in accordance with the LEA’s directive to track trends in Area D over time. The horizontal collector for the GCCS discussed above in Area C also runs through Area D. As discussed in Chiquita’s previous submittals for past surveys, Chiquita installed the horizontal collector for the GCCS system in this area and the nearby Area C in order to collect additional hot gas for conveyance to the flares and thereby further address elevated temperatures in this area.

A comparison of the June 2025 and August 2025 thermal images in Area D indicates a decrease of about two (2) degrees in average temperature in that area and maximum detected temperature decreasing about four (4) degrees (compare reference point 10 in the June 2025 thermal images report to reference point 06 in the August 2025 thermal images report), showing continued decrease in heat signatures.

Area E

The area designated by the LEA as “Area E” appears to be in grid 177. The Sniffer data reference point within Area E for the August 2025 survey is 02. Please note that Sniffer’s thermal camera did not detect any elevated temperatures in Area E, one of the areas of interest previously identified in the LEA’s and CalRecycle’s letters. Nevertheless, Sniffer included reference point 02 and thermal images, photographs, and GPS coordinates in accordance with the LEA’s directive to track trends in Area E over time. An abandoned gas well, well CV-2302, exists within Area E and is photographed on PDF page 5 of Attachment A under “Reference # 02.” Additional gas wells and dewatering pumps were installed in the area to replace CV-2302. However, as discussed in previous survey analyses, the abandoned borehole for CV-2302 may be continuing to emit heat to the surface, which may explain the elevated temperatures detected in the area. The other gas wells and pumps installed in the area continue to remove hot gas and liquids from the Landfill.

Nevertheless, the maximum temperature detected in the thermal images for this area decreased over seventy-eight (78) degrees since the June 2025 survey and the average temperature has decreased about thirty-eight (38) degrees since the June 2025 survey (compare reference point 11 in the June 2025 thermal images report to reference point 02 in the August 2025 thermal images report). Maximum temperatures decreased between the April 2025 and June 2025 surveys as well, as noted in the June 2025 analysis, showing continued decrease in heat signatures.

Other Areas

On the whole, the August 2025 survey detected fewer heat signatures than the April 2025 survey (seven total detections in August compared to eleven total in June). Reference points 01, 03, and 07 were detected outside of Areas A – E. These locations are nearly identical to those detected in the June 2025 survey (reference points 1, 8/9, and 12) and therefore do not represent new or expanding areas impacted by heat signatures. As acknowledged by CalRecycle in its November 25, 2024 letter, FLIR surveys can detect heat sources that may or may not be significant. Similarly, Chiquita believes that these three (3) reference points detected during the August 2025 survey indicate heat sources that are not significant. As explained in the June 2025 analysis, reference point 03 was likely detected because it is in an area densely populated with gas collection wells and pipes. The elevated temperatures detected in reference point 03 are in close proximity or directly over landfill gas piping, which collects and distributes hot landfill gases. (see thermal image labeled “Reference # 03” in the August 2025 thermal inspection report). Similarly, reference point 07 is located directly over an active gas well, CV-24048. Reference point 01 is in the location of a condensate collection sump, which collects liquids that form in the landfill gas conveyance lines of the GCCS, and includes a large infrastructure of black HDPE pipes on top of surrounding white liner.² In addition, fluctuations in the surface temperatures as detected by FLIR may be influenced by operational changes, including changes to the landfill gas or leachate capture and conveyance.

Conclusions and Request to Reduce Survey Frequency

The Sniffer survey results do not show an increase in intensity or expansion of the reaction. Rather, the results demonstrate that the GCCS system is functioning as designed, and conveying hot liquids and gas through the GCCS system as designed. In addition, the FLIR technology detected no heat signatures in three of the five areas of concern: Areas B, D, and E, showing progress in collecting more of the hot landfill gas underneath these lined areas. Chiquita therefore proposes to reduce the frequency of surveys to quarterly, starting in the 4th Quarter of 2025.

Regards,

Kate Logan

Kate Logan
Regional Engineer
Chiquita Canyon Landfill

² This location was also discussed in the February 2025 and June 2025 surveys and analyses.

Attachment: Sniffer Robotics, Inc., Emission Study Thermal Report (dated August 11, 2025)

cc: Steve Cassulo, Chiquita Canyon
John Perkey, Waste Connections
Robert Ragland, Los Angeles County Department of Public Health
Liza Frias, Los Angeles County Department of Public Health
Nichole Quick, M.D., Los Angeles County Department of Public Health
Robert Ragland, Los Angeles County Department of Public Health
Mark Como, Los Angeles County Department of Public Health
Ken Habaradas, Los Angeles County LEA
Karen Gork, Los Angeles County LEA
Renee Jensen, LEA Counsel
Blaine McPhillips, Senior Deputy County Counsel
Emiko Thompson, Los Angeles County Department of Public Works
Alex Garcia, Los Angeles County Department of Regional Planning
Phillip Chen, Los Angeles County Department of Regional Planning
Steven Jareb, Los Angeles County Department of Regional Planning
Wes Mindermann, CalRecycle
Rachel Beck, CalRecycle
Todd Thalhamer, CalRecycle
Mark Debie, CalRecycle
Trevor Anderson, California DTSC
Jeff Lindberg California Air Resources Board
Nancy Fletcher, California Air Resources Board
Jack Cheng, South Coast Air Quality Management Board
Larry Israel, South Coast Air Quality Management Board
Enrique Casas, Los Angeles Regional Water Quality Control Board
Milasol Gaslan, Los Angeles Regional Water Quality Control Board
Terrence Mann, South Coast AQMD
Tyler Holybee, United States Environmental Protection Agency
Allison Watanabe, United States Environmental Protection Agency
Laura Friedli, United States Environmental Protection Agency



Waste Connections Chiquita Canyon Landfill
Project: 2025 08 Week 32 Emission Study
Job: Emission Study
Report Submitted Aug 11, 2025

Emission Study Thermal Report

Information presented within provides results from the emissions monitoring inspection performed by technicians with Sniffer Robotics, Inc. associated with the emission study site and date listed herein.

This report provides details of peak temperature locations as determined by the SnifferDRONE™. Report details include: coordinate locations, date and time of data collection, measured peak temperatures (Fahrenheit), additional notes, map(s) displaying locations of peaks, and photographic documentation of peaks.

Key

Peak Temperature $\geq 70^{\circ}\text{F}$

Peak Temperature $< 70^{\circ}\text{F}$

This daily report is not meant for compliance purposes and only intended for customer review.

WEATHER CONDITIONS	Date:	5-Aug
	Sky:	Few Clouds
	Ground:	Dry
	Temperature:	90 °F
	Wind Direction:	S
	Wind Speed:	8 MPH
	Barometric Pressure:	30.42"
	Humidity:	23%

LOCATION DETAILS			INSPECTION RESULTS				
Ref	SnifferDRONE Lat	SnifferDRONE Long	Date (UTC)	Time (UTC)	Class	Peak Temperature °F	Notes
1	34.43476	-118.64872	8/5/2025	7:09	Thermal Imagery	144	
2	34.43485	-118.64909	8/5/2025	7:11	Thermal Imagery	73	
3	34.43420	-118.65060	8/5/2025	7:12	Thermal Imagery	118	
4	34.43477	-118.65085	8/5/2025	7:15	Thermal Imagery	118	

LOCATION DETAILS			INSPECTION RESULTS				
Ref	SnifferDRONE Lat	SnifferDRONE Long	Date (UTC)	Time (UTC)	Class	Peak Temperature °F	Notes
5	34.43477	-118.65085	8/5/2025	7:15	Thermal Imagery	114	
6	34.43490	-118.65067	8/5/2025	7:15	Thermal Imagery	78	
7	34.43538	-118.64800	8/5/2025	7:17	Thermal Imagery	121	
8	34.43627	-118.64882	8/5/2025	7:18	Thermal Imagery	69	
9	34.43650	-118.64863	8/5/2025	7:18	Thermal Imagery	140	
10	34.43637	-118.64810	8/5/2025	7:19	Thermal Imagery	138	
11	34.43693	-118.64803	8/5/2025	7:20	Thermal Imagery	150	
12	34.43693	-118.64803	8/5/2025	7:20	Thermal Imagery	167	



Chiquita Canyon Landfill Discrete Thermal Image Locations over Thermal Reflectance as Recorded by the SnifferDRONE™

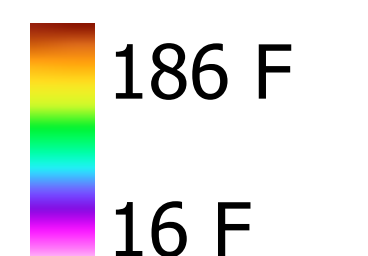
Aug 05, 2025

Notes:

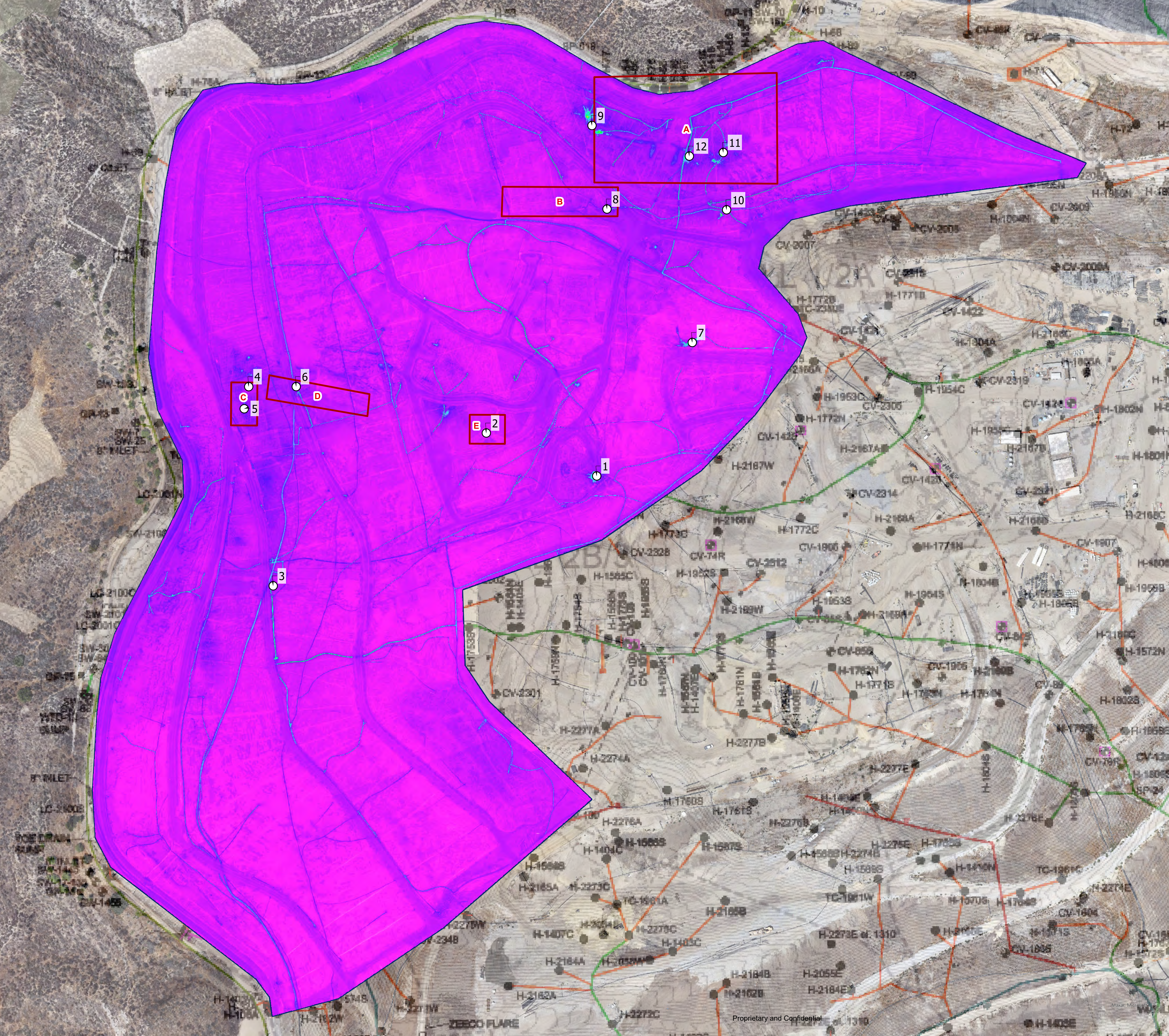
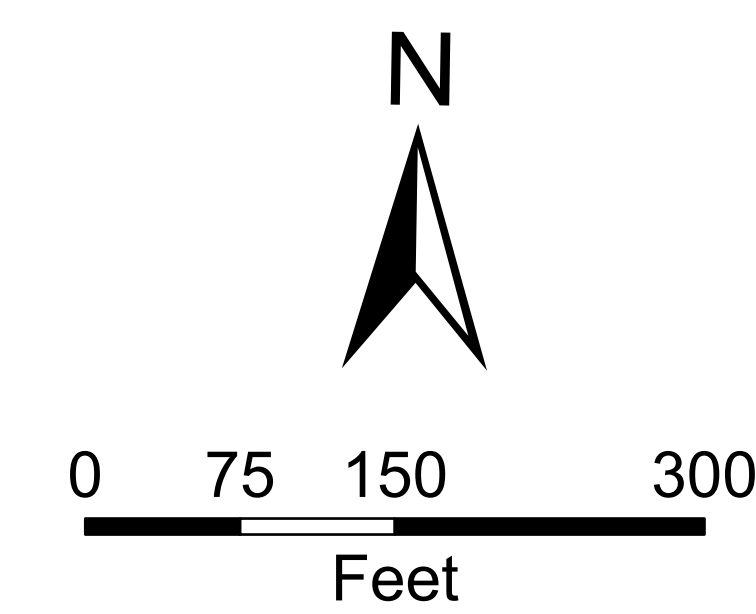
1. Basemap: As-built drawing provided by SCS Engineers, dated Dec 2023; high resolution RGB imagery provided by Waste Connections, dated Jul 2025.
2. Projected Coordinate System: WGS 1984 UTM Zone 11N
3. Proprietary and Confidential

Legend

Thermal Reflectance



○ Image Capture Location



Proprietary and Confidential

Reference # 01

Measurements

SQ1	Max	144.1 °F
	Min	37.8°F
	Average	91.0 °F
Sp1		98.1 °F
Sp2		86.9°F

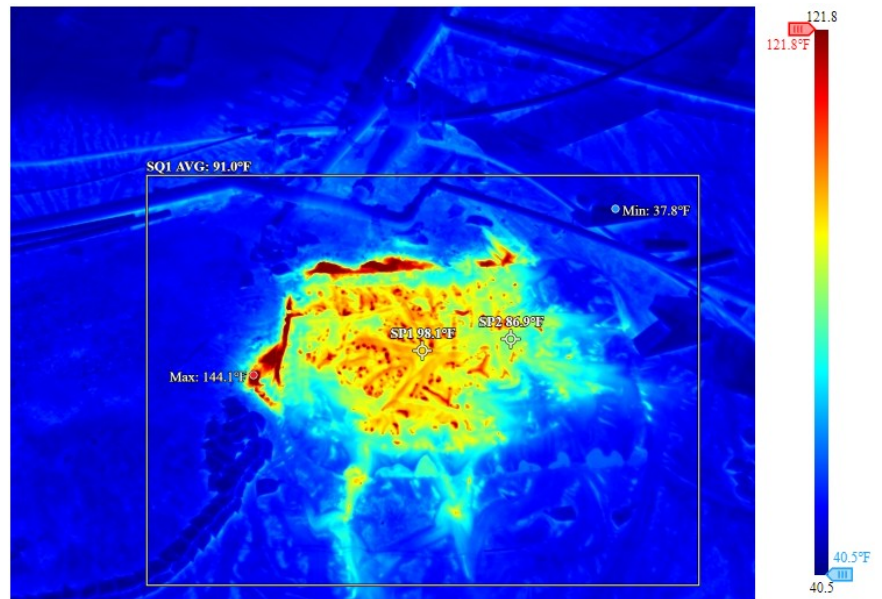
Parameters

Emissivity	1
Refl. temp.	73.4 °F

Geolocation

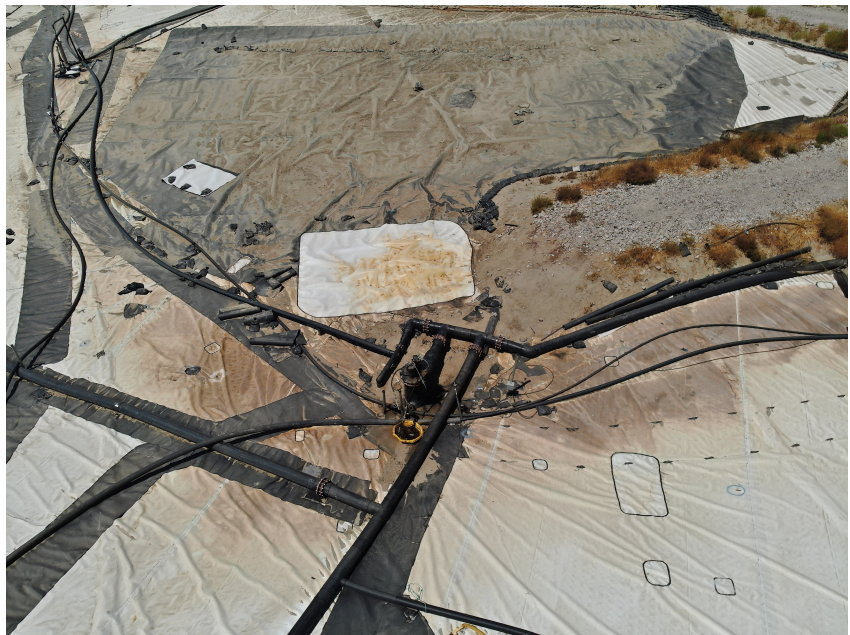
Location	W118° 38' 54.54" N34° 26' 5.08"
----------	---------------------------------

8/05/2025 07:09:53 AM



DJI_20250805070953_0003_T

8/05/2025 03:21:00 PM



DJI_20250805152152_0001_W

Reference # 02

Measurements

SQ1	Max	72.9 °F
	Min	37.0 °F
	Average	55.0 °F
Sp1		55.4°F
Sp2		51.4 °F
Sp3		42.8 °F

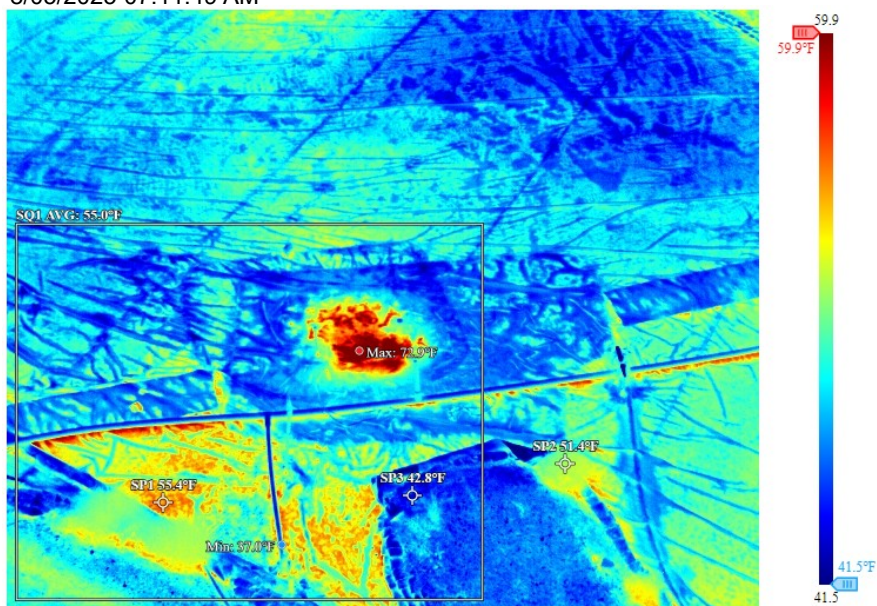
Parameters

Emissivity	1
Refl. temp.	73.4 °F

Geolocation

Location	W118° 38' 57.4" N34° 26' 5.96"
----------	--------------------------------

8/05/2025 07:11:49 AM



DJI_20250805071149_0004_T

8/05/2025 03:23:00 PM



DJI_20250805152320_0003_W

Reference # 03

Measurements

SQ1	Max	117.9 °F
	Min	45.0 °F
	Average	81.3 °F
Sp1		99.0°F
Sp2		92.7 °F
Sp3		79.0 °F

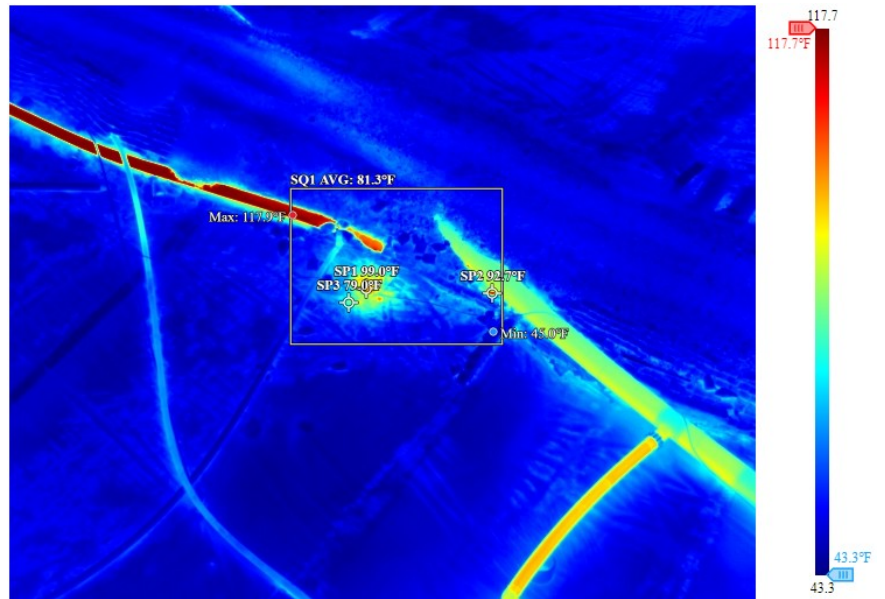
Parameters

Emissivity	1
Refl. temp.	73.4 °F

Geolocation

Location	W118° 39' 2.82" N34° 26' 2.62"
----------	--------------------------------

8/05/2025 07:12:55 AM



DJI_20250805071255_0005_T

8/05/2025 03:23:00 PM



DJI_20250805152354_0004_W

Reference # 04

Measurements

SQ1	Max	117.9 °F
	Min	47.8 °F
	Average	82.9 °F
Sp1		93.6 °F
Sp2		82.6 °F
Sp3		65.8 °F

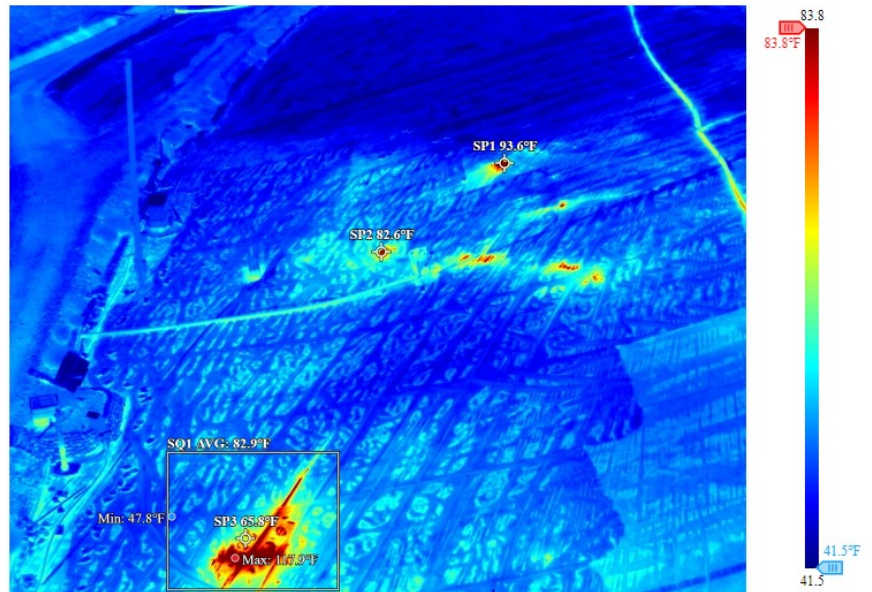
Parameters

Emissivity	1
Refl. temp.	73.4 °F

Geolocation

Location	W118° 39' 3.53" N34° 26' 6.86"
----------	--------------------------------

8/05/2025 07:15:09 AM



DJI_20250805071509_0007_T

8/05/2025 03:24:00 PM



DJI_20250805152436_0005_W

Reference # 05

Measurements

SQ1	Max	114.3 °F
	Min	48.4 °F
	Average	81.3 °F
Sp1		73.8 °F
Sp2		78.1 °F
Sp3		60.3 °F

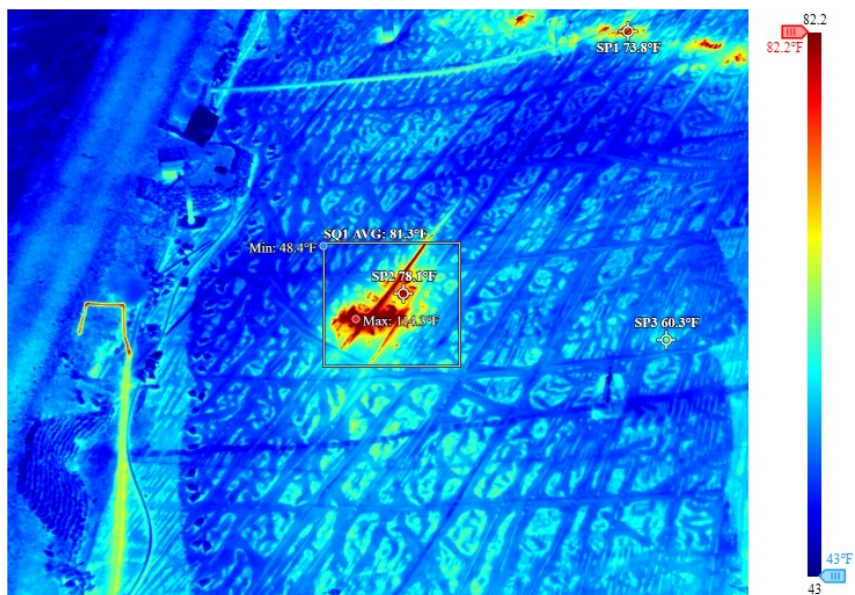
Parameters

Emissivity	1
Refl. temp.	73.4 °F

Geolocation

Location	W118° 39' 3.64" N34° 26' 6.39"
----------	--------------------------------

8/05/2025 07:15:14 AM



DJI_20250805071514_0008_T



Reference # 06

Measurements

SQ1	Max	78.3 °F
	Min	36.0 °F
	Average	57.0 °F
Sp1		70.3 °F
Sp2		60.3 °F
Sp3		57.6 °F

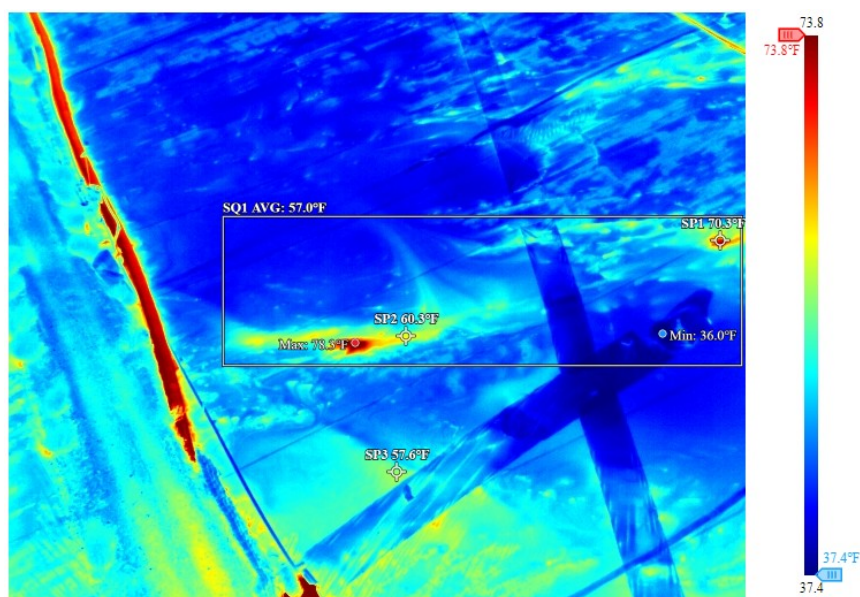
Parameters

Emissivity	1
Refl. temp.	73.4 °F

Geolocation

Location	W118° 39' 2.31" N34° 26' 6.88"
----------	--------------------------------

8/05/2025 07:15:32 AM



DJI_20250805071532_0009_T

8/05/2025 03:24:00 PM



DJI_20250805152455_0007_W

Reference # 07

Measurements

SQ1	Max	121.1 °F
	Min	36.9 °F
	Average	79.0 °F
Sp1		118.0 °F
Sp2		106.0 °F

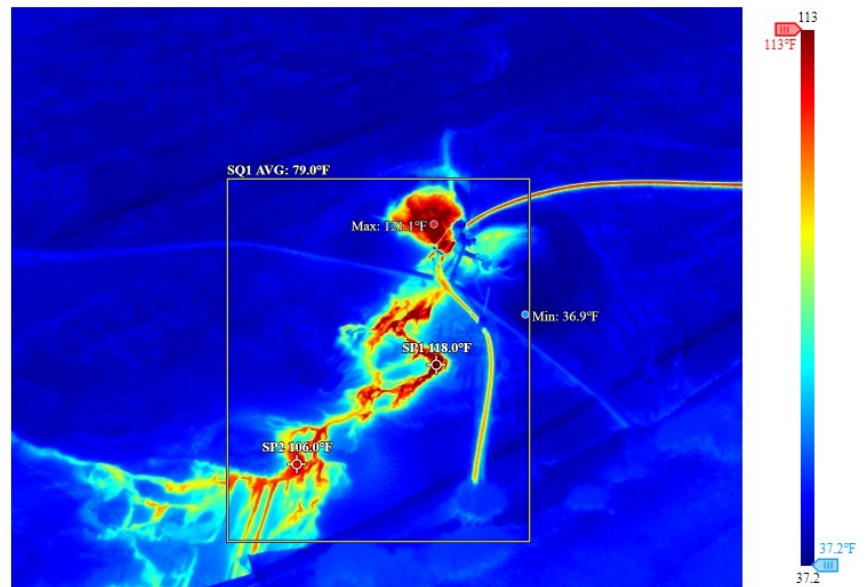
Parameters

Emissivity	1
Refl. temp.	73.4 °F

Geolocation

Location	W118° 38' 52.14" N34° 26' 7.96"
----------	---------------------------------

8/05/2025 07:17:09 AM



DJI_20250805071709_0011_T

8/05/2025 03:22:00 PM



DJI_20250805152234_0002_W

Reference # 08

Measurements

SQ1	Max	69.1 °F
	Min	49.5 °F
	Average	59.4 °F

Sp1	67.5 °F
Sp2	63.1 °F

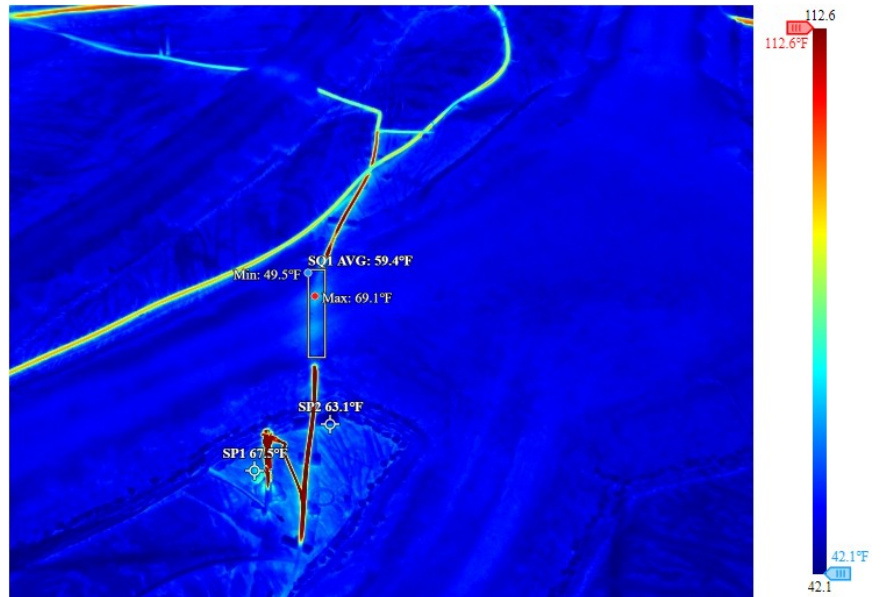
Parameters

Emissivity	1
Refl. temp.	73.4 °F

Geolocation

Location	W118° 38' 54.39" N34° 26' 10.77"
----------	----------------------------------

8/05/2025 07:18:33 AM



DJI_20250805071833_0013_T

8/05/2025 03:25:00 PM



DJI_20250805152541_0008_W

Measurements

SQ1	Max	140.4 °F
	Min	45.0 °F
	Average	92.7 °F
Sp1		133.2 °F
Sp2		95.0 °F
Sp3		90.0 °F

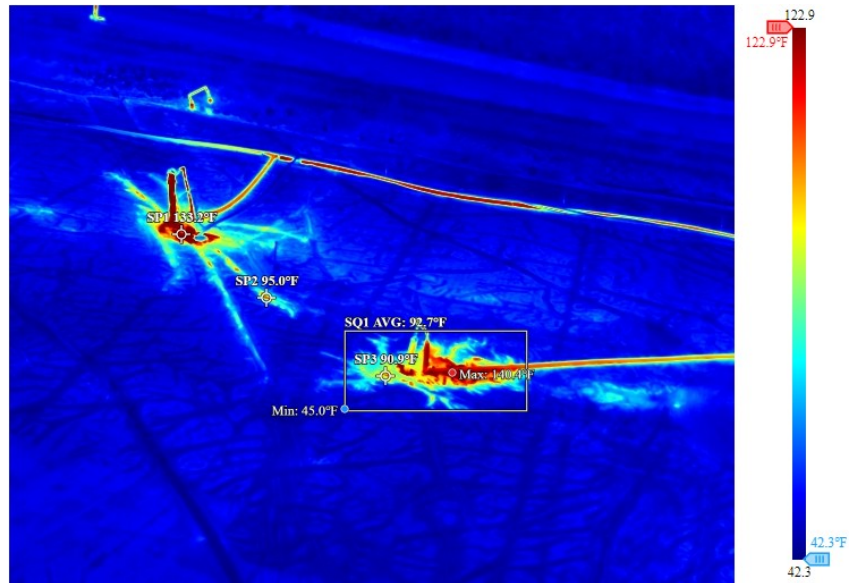
Parameters

Emissivity	1
Refl. temp.	73.4 °F

Geolocation

Location	W118° 38' 54.81" N34° 26' 12.55"
----------	----------------------------------

8/05/2025 07:18:55 AM



DJI_20250805071855_0014_T

8/05/2025 03:26:00 PM



DJI_20250805152647_0010_W

Reference # 10

Measurements

SQ1	Max	137.8°F
	Min	43.7 °F
	Average	90.7 °F
Sp1		85.3 °F
Sp2		121.3 °F
Sp3		81.0 °F

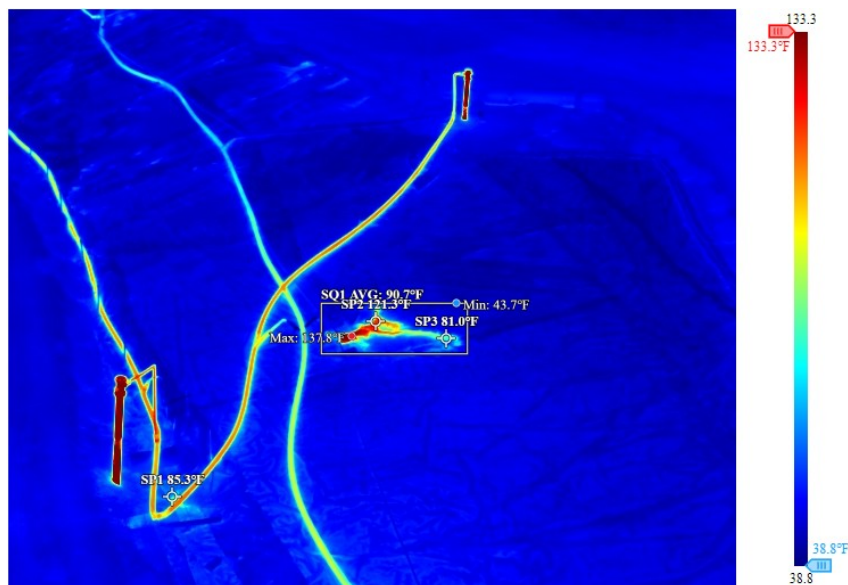
Parameters

Emissivity	1
Refl. temp.	73.4 °F

Geolocation

Location	W118° 38' 51.31" N34° 26' 10.8"
----------	---------------------------------

8/05/2025 07:19:30 AM



DJI_20250805071930_0016_T

8/05/2025 03:28:00 PM



DJI_20250805152826_0014_W

Reference # 11

Measurements

SQ1	Max	150.3 °F
	Min	49.5 °F
	Average	99.9 °F
Sp1		133.9 °F
Sp2		80.6 °F
Sp3		90.0 °F
Sp4		90.5 °F

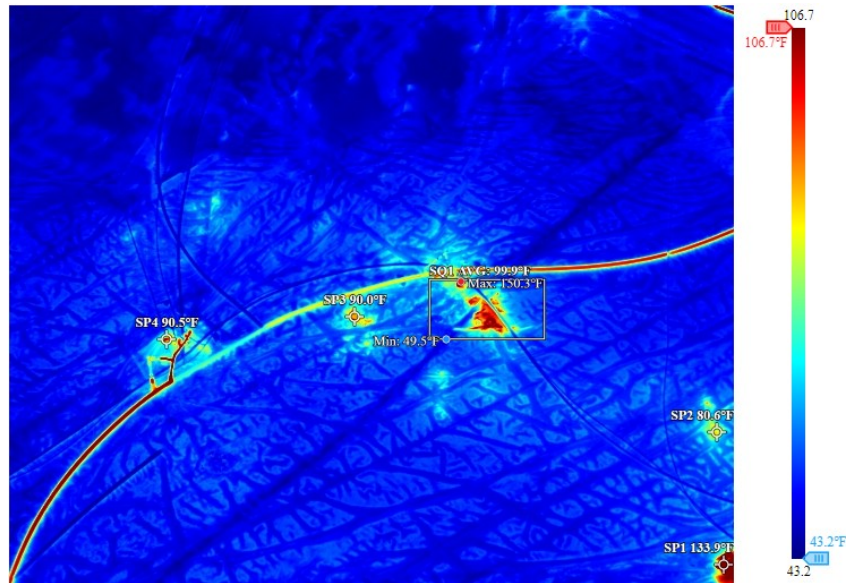
Parameters

Emissivity	1
Refl. temp.	73.4 °F

Geolocation

Location	W118° 38' 51.42" N34° 26' 12.02"
----------	----------------------------------

8/05/2025 07:20:48 AM



DJI_20250805072048_0019_T

8/05/2025 03:28:00 PM



DJI_20250805152803_0013_W

Reference # 12

Measurements

SQ1	Max	167.0 °F
	Min	32.0 °F
	Average	99.5 °F
Sp1		106.3 °F
Sp2		123.3 °F

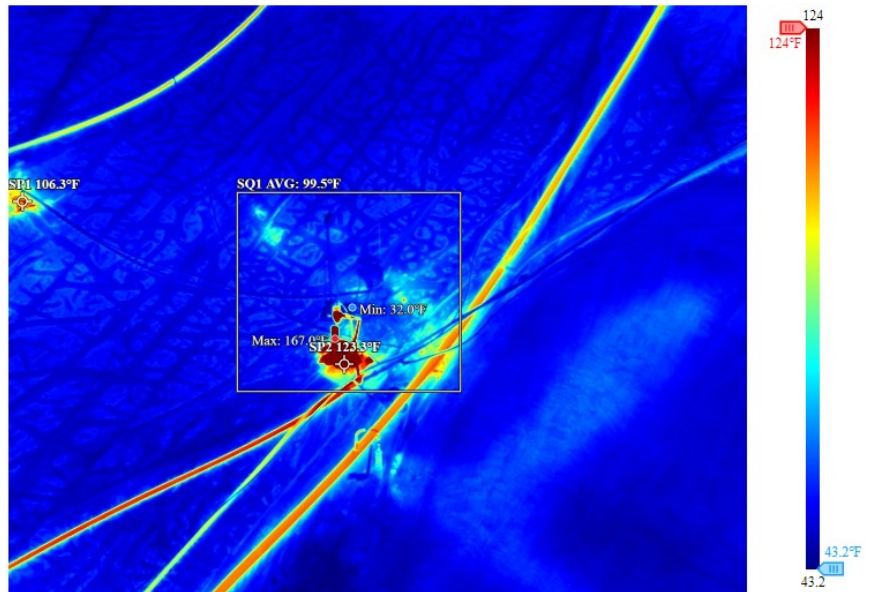
Parameters

Emissivity	1
Refl. temp.	73.4 °F

Geolocation

Location	W118° 38' 52.3" N34° 26' 11.93"
----------	---------------------------------

8/05/2025 07:20:52 AM



DJI_20250805072052_0020_T

8/05/2025 03:28:46 PM



DJI_20250805152847_0015_W