Organic Assessment Report

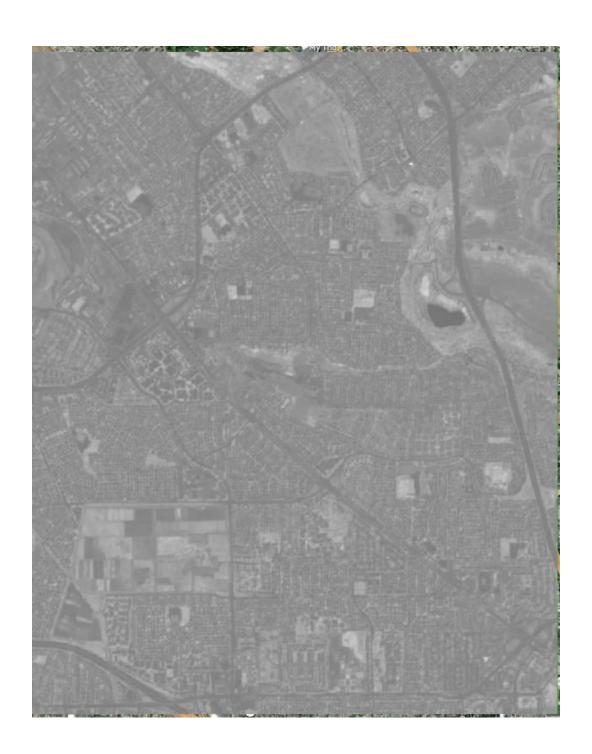
Fashion For Biodiversity Solutions



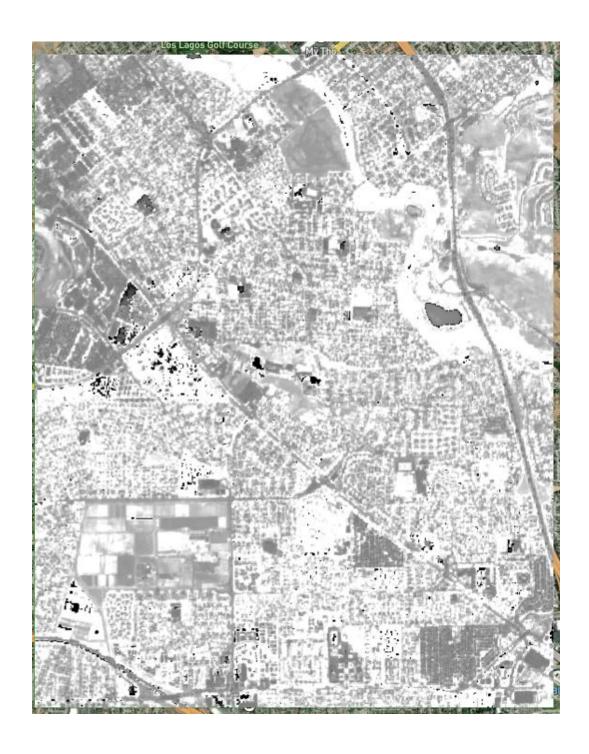
1. Project Overview

Sensor	Sentinel-2A
Location	Farm C
Coordinates	Center: [-121.825, 37.275]
Start Date	30 April 2025
End Date	15 May 2025
Cloud Cover	50%

Frequency: Weekly



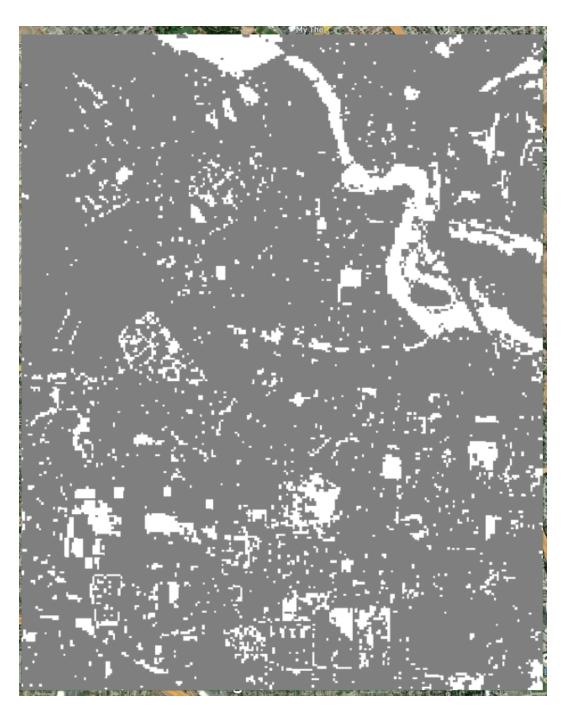




2. Vegetation Indices

- NDVI Normalized Difference Vegetation Index
- SAVI Soil Adjusted Vegetation Index
- PVI Perpendicular Vegetation Index

- Greenness / Forest Cover General vegetation density
- NDWI Normalized Difference Water Index



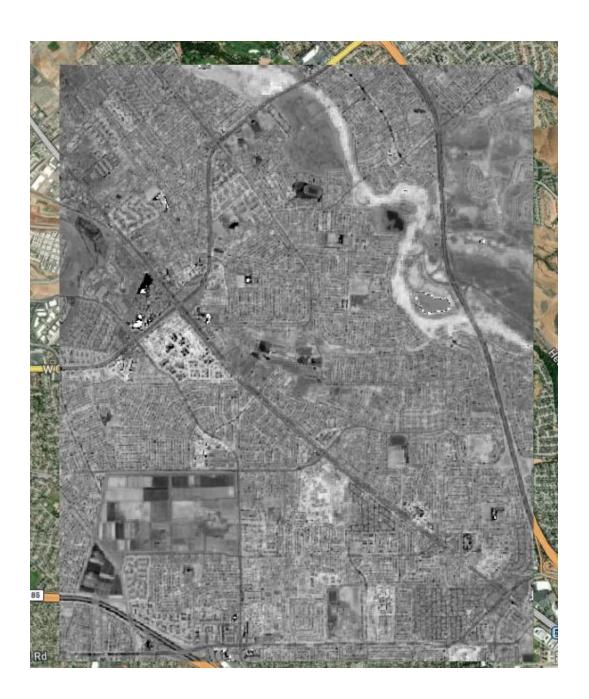
• NDMI – Normalized Difference Moisture Index

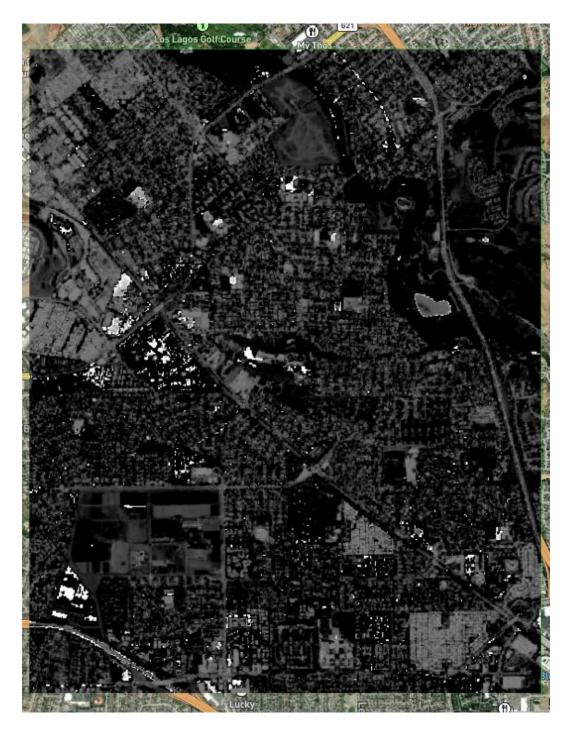
 Moisture Stress Index – Indicator of vegetation water stress

[Insert vegetation index graphs here]

3. Moisture Stress Index



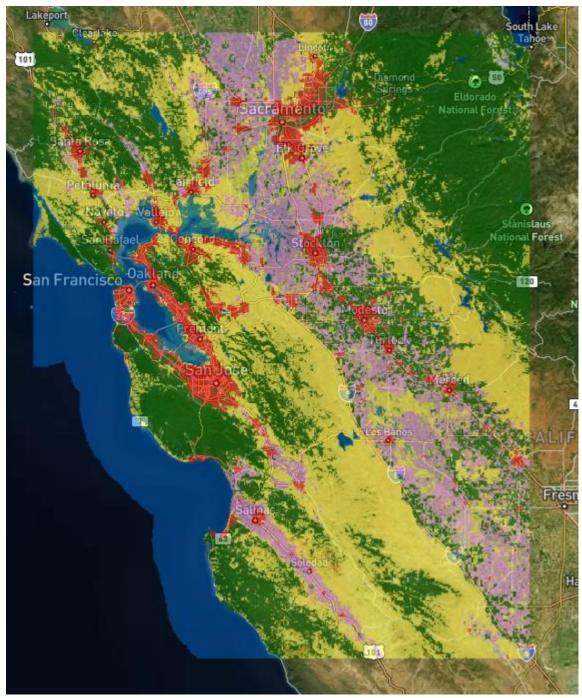




Source: ESA Global Land Cover 2021

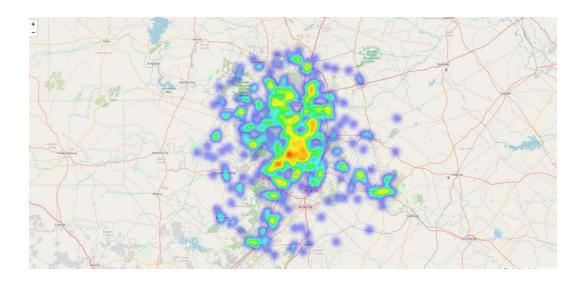
Use: Baseline classification to understand land use patterns across the study area.

Dominant Class in AOI: Vegetation



4. Biodiversity Assessment

Biodiversity was evaluated using observational data from three platforms: eBird, GBIF, and iNaturalist.



a. eBird Records

Total Species Observed: 254

b. GBIF Records

Total Species Observed: 138

c. iNaturalist Records

Total Species Observed: 101

[Insert species richness maps or density plots here]

5. Fashion for Biodiversity

- High Species Richness: Over 450 unique observations from 3 platforms.
- Organic Land Use: Remote sensing indicators suggest consistent vegetation health and moisture retention.

- Transparency: Spatiotemporal data and open biodiversity logs provide full traceability.
- Brand Alignment: Supports eco-labels and sustainability reporting for agricultural products.

Recommendations:

- 1. Position Farm C as a testbed for biodiversity-conscious product sourcing.
- 2. Use NDVI and species heatmaps as evidence in sustainability audits.
- 3. Leverage open biodiversity records (GBIF/iNat/eBird) for environmental storytelling.