



# Remote Monitoring with Lens

March 25, 2024

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Leveraging Remote Data for Mitigation  
Project Success

Clay Word

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# Who we are

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Upstream Tech is a **mission-driven technology company**. Our software tools help accelerate the **pace, scale, and impact** of conservation.



## Our goal for Lens

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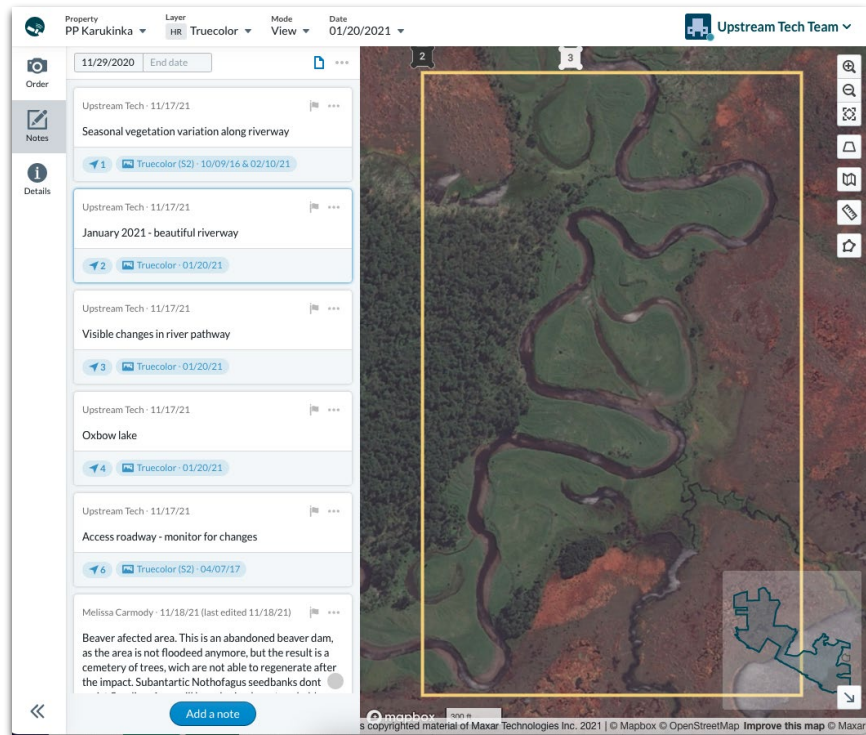
**Make remote sensing accessible**  
with an easy to use tool focused  
on conservation and natural  
resource management





## LENS ENABLES EASY, EFFICIENT MONITORING

- Web-based application
- No geospatial expertise required
- Collaborative - work collectively with your team
- Easy reporting to increase efficiency



# Who uses Lens?

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**250+** Organizations using Lens

**170 M** Acres monitored globally





# Compare time steps and make notes

The screenshot shows a web application interface for comparing satellite imagery time steps and adding notes. The interface is divided into a left sidebar and a main map area.

**Top Bar:** Property: Idaho Red Bridge; Layer: HR Truecolor; Mode: Compare; Start Date: 10/18/2022; End Date: 10/24/2022; User: Carolyn.

**Left Sidebar:**

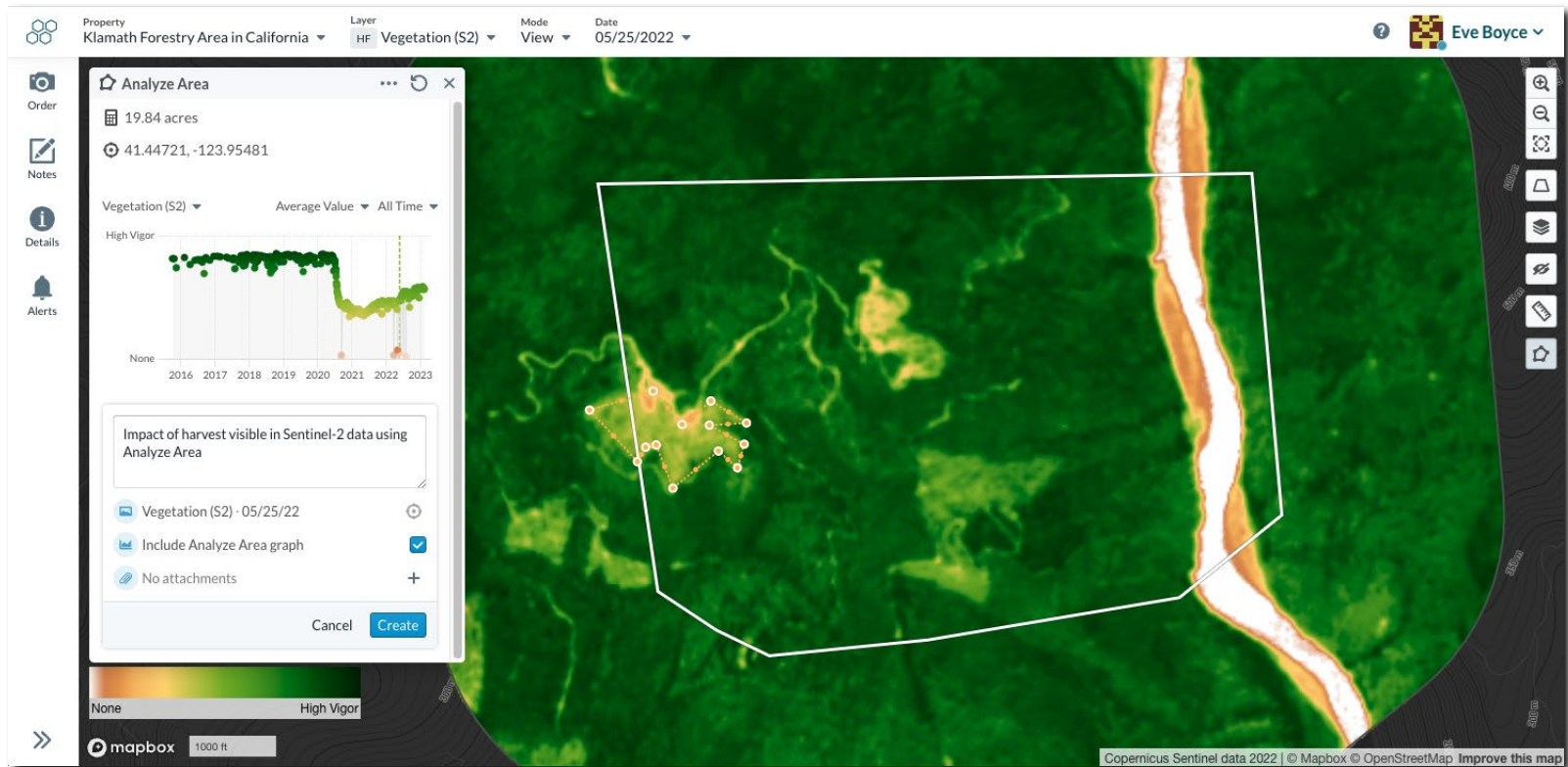
- Order:** 02/24/2022; End date; Report
- Notes:** abby@upstream.tech · 11/03/22 (last edited 11...); Wildfire occurred on October 21, 2022 and burned approximately 300 acres; Truecolor - 10/18/22 & 10/24/22
- Details:** abby@upstream.tech · 11/03/22 (last edited 11...); Photo from KMMT news crews showing BLM crews controlling Red Bridge Fire; Truecolor - 07/24/19 & 10/24/22
- Alerts:** abby@upstream.tech · 11/03/22; This center pivot field appears to have been planted and irrigated consistently for the last several years; High Vigor; None; Add a note

**Main Map Area:** A satellite image showing a landscape with a large, dark, irregularly shaped area (likely a wildfire impact) on the right side. A white box highlights a specific area in the center, and a white box highlights a specific area on the right. A blue circular navigation control is visible in the center of the map.

**Bottom Bar:** mapbox; 1000 ft; © CNES 2022, Distribution AIRBUS DS, © CNES 2022, Distribution AIRBUS DS | © Mapbox © OpenStreetMap Improve this map



# Analyze changes in vegetation and water data



# Management Use Cases

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# View site changes

The screenshot displays a web-based map application interface. At the top, the page title is "View site changes". The application header includes a logo on the left, followed by a dropdown menu for "Mulberry River Resto". To the right of this are two date-based filters: "HR Truecolor 09/27/2009" and "HR Truecolor 10/02/2019". Further right are "Help" and "Clay Word" dropdown menus.

The main map area shows an aerial view of a landscape with a river and surrounding fields. A white polygonal boundary is overlaid on the map, indicating a specific site area. On the left side of the map, there is a vertical toolbar with icons for "Notes", "Details", and "Alerts". On the right side, there is a vertical toolbar with icons for various map functions such as zoom, pan, and layers. A circular navigation button with a right-pointing arrow is located on the left edge of the map area.

At the bottom right corner of the application, there is a small circular icon representing a mobile device with signal waves, indicating a mobile interface or connectivity status.

# Analyze ecosystem data





# Up to date parcel records

Property: Wetland Restoration in Massachusetts | Layer: HR Truecolor | Mode: View | Date: 03/16/2023 | Help | Clay Word

Parcel owner change detected on 09/26/2022

Parcel [045-000-055-002] owner changed from KARINA SALGADO to MASS AUDUBON SOCIETY INC on 2017-10-10

Save as note  Dismiss alert

Parcel owner change detected on 09/26/2022

Parcel [075-000-005-031] owner changed from RICKY PARK to JOYCE STEPHEN M on 2001-10-22

Save as note  Dismiss alert

Parcel owner change detected on 09/26/2022

Parcel [045-000-046D-000] owner changed from ANGEL TORRES to MASS AUDUBON SOCIETY INC on 2017-10-10

Save as note  Dismiss alert

Location Details

Type	Center	Area
Polygon	41.91607, -70.56337	13.59 acres





# Thank You!

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Clay Word, Growth and  
Partnerships, Lens

[Upstream.Tech/Lens](https://Upstream.Tech/Lens)

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