

# AERIAL IMAGERY AND DATA COLLECTION

EA operates and maintains a drone program to capture high resolution aerial imagery and video. We have the knowledge and experience to fully plan and execute flight operations including developing a flight plan, placing and measuring ground control points, completing the drone flight, and processing the data.

Our team of drone operators are fully insured and licensed to comply with the FAA Part 107 guidelines. We can safely fly anywhere in the United States and several of our drones are equipped with specialty sensors including the following:

- Thermal – Infrastructure inspections, leachate identification
- Normalized Difference Vegetation Index (NDVI) – Determining plant stand populations



## Services



Aerial Photography and Video



Photogrammetry



Thermal Data Collection



Vegetation Studies



3D Modeling



Recreational Surveys



Construction Monitoring

## Benefits



Access



Documentation



Monitoring



Safety

## Contact Us



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## National Presence. Regional Connections.

● PROJECT LOCATIONS ● OFFICE LOCATIONS



### Copper Bluff

Working with a third-party vendor, specialized drones were deployed to collect video and LiDAR data, which were used to create a 3D model of mine adits that were unsafe to traverse.



### Spirit Lake

Drones were deployed on a regular basis to monitor construction progress during remediation at the Spirit Lake estuary.



### Iona Island

Data collected by drone and GPS were combined with GIS information as part of a remedial investigation on a 40-acre site.



### Narragansett

EA conducted a drone survey as part of a beach study to inform recommendations for operations, management, sustainability, and maintenance.



### Point Hope

A 3D model was created using data collected during drone flights to monitor shoreline erosion as part of a study on ways to improve coastal resiliency.



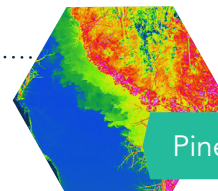
### ESA Site Inspections

Drones were deployed at multiple locations to help a private client complete site inspections as part of an Environmental Site Assessment. Data were used to identify areas of concern, including dumping sites, pesticide/herbicide sheds, and areas of filling or distressed vegetation.



### Swan Island

Aerial imagery and topographic data collected via drone were used as part of monitoring efforts to support the collection of data to evaluate the success of restoration efforts.



### Pine Creek

EA used thermal drone technology to collect data along a privately owned section of creek to study upwellings and spring seeps. Scientists used the data to identify target locations and study their influence on the creek to aid restoration decisions.

