

EarthWorks Mining

Dig Deeper into Soil Moisture Risk Management

EarthWorks Mining is the world's first L-band SAR satellite-based solution for detecting subsurface soil moisture risks in mining environments. With patented technology and unmatched accuracy, EarthWorks delivers high-resolution insights into actual soil moisture levels, allowing early risk detection to support safe, long-term operations and resilience.

Long-Lasting Infrastructure Starts with EarthWorks Mining

Don't wait for damage to surface—moisture risks run deeper than you think. Hidden moisture buildup, seepage, and drainage issues can compromise safety and lead to expensive repairs. With our satellite view of subsurface risks, you can steer clear of unseen threats to your mining infrastructure.

Why Choose EarthWorks?

EarthWorks Mining gives you a system-wide view of moisture risks, enabling you to:

- ✦ **Maximize ROI** by preventing costly failures
- ✦ **Extend asset lifespan** by detecting issues early
- ✦ **Track moisture trends** to monitor changes for proactive decisions

Other Industries Served by EarthWorks

Dams and Levees | Rail | Roads | Property

Key Features



Trend Analysis

Monitor moisture changes over time



Alert & Alarm Grid

Categorize at-risk areas to identify sections that need closer inspection

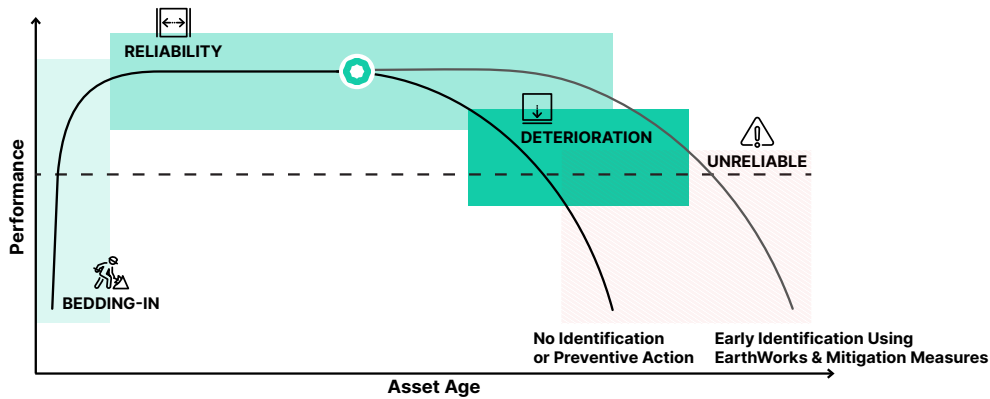


Mobile-Optimized Reporting

Access digital reports on the go via mobile apps for faster response times



ASTERRA EarthWorks Contributes to Extended Asset Lifespan



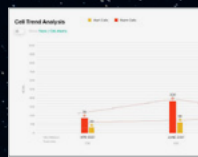
Something for Everyone

EarthWorks Mining serves every level of your organization. From decision-makers focused on maximizing longevity, to managers optimizing workflows, to field crews assessing site conditions—our solution meets the needs of all teams.

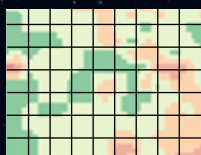
How it Works



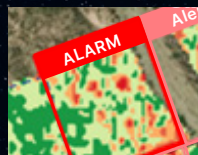
1 Provide Your Map
Share your area of interest



4 Track Moisture Trends
EarthWorks monitors moisture changes over time



2 Grid Division
We'll break it down into smaller sections



5 Act on Insights
Receive targeted insights for informed action



3 Prioritize Risks
Define high-risk zones with our guidance



For more information: inquiry@asterra.io

