



# NEXTWave™ Rail

## Flood Risk Management

### Flood Risk Management for Railways

When the original railroad networks were built, they needed to be near water. Today, with the climate changing and river networks evolving, that proximity to water means significant flood risk to manage. Every year, hundreds of miles of tracks are affected by high water, from low-level submersion to full destruction of the tracks. The key to risk management is understanding the risk. With rail networks spread over entire continents, it can be challenging to gather and organize all the necessary data. GIS departments face challenges regarding risk analysis because high-quality data is expensive to obtain.

Now, Intermap Technologies offers a flood risk management solution for railway operators with [NEXTWave Rail](#). Risk managers can evaluate flood risk across entire rail networks by accessing high-acuity flood risk analytics, supported by industry-leading elevation datasets. Better risk management enables improved risk mitigation and more effective disaster response.

### Key Benefits and Features



#### Subscribe to Services

Access Intermap's industry-leading geospatial datasets and analytics with NEXTWave's subscription packages



#### Integrate with an API

Integrate risk analytics directly into existing workflows using NEXTWave's API and web services capabilities



#### Leverage Decades of Expertise

Leverage risk expertise developed over decades of working with global insurance companies



#### Customize Solutions

Customize solutions to include entire rail networks and necessary supporting data to ensure the best solution possible



## Risk Mitigation Pays for Itself

Repairing a washed-out track can be costly, in both direct costs and delayed freight, depending on track location and flood extents. However, effective risk mitigation can reduce or eliminate those repair costs and freight delays by proactively preventing the washout. A year's subscription to NEXTWave Rail would pay for itself by preventing even a small rail closure by identifying track segments most at risk to flooding and enabling preemptive mitigation actions to be taken.

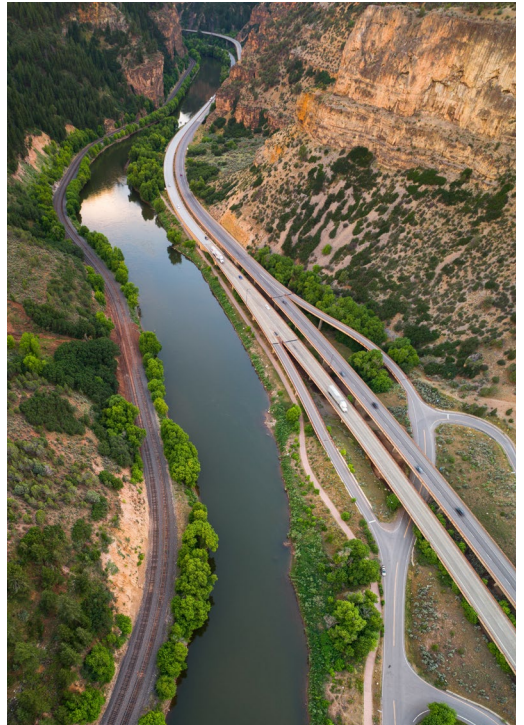


*NEXTWave Rail includes flood risk information to proactively prevent track washout.*



## Protecting Railways Is Essential

It is hard to predict when flooding will happen, but NEXTWave Rail can help predict where flooding is most likely to occur. With globally consistent datasets and models covering entire continents, risk managers can identify high-priority segments of track where flood mitigation is most urgent. Operations managers now can efficiently and economically access data and analytics to protect their rail networks from high water and flood.



*Use NEXTWave Rail to determine track locations vulnerable to flooding.*



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