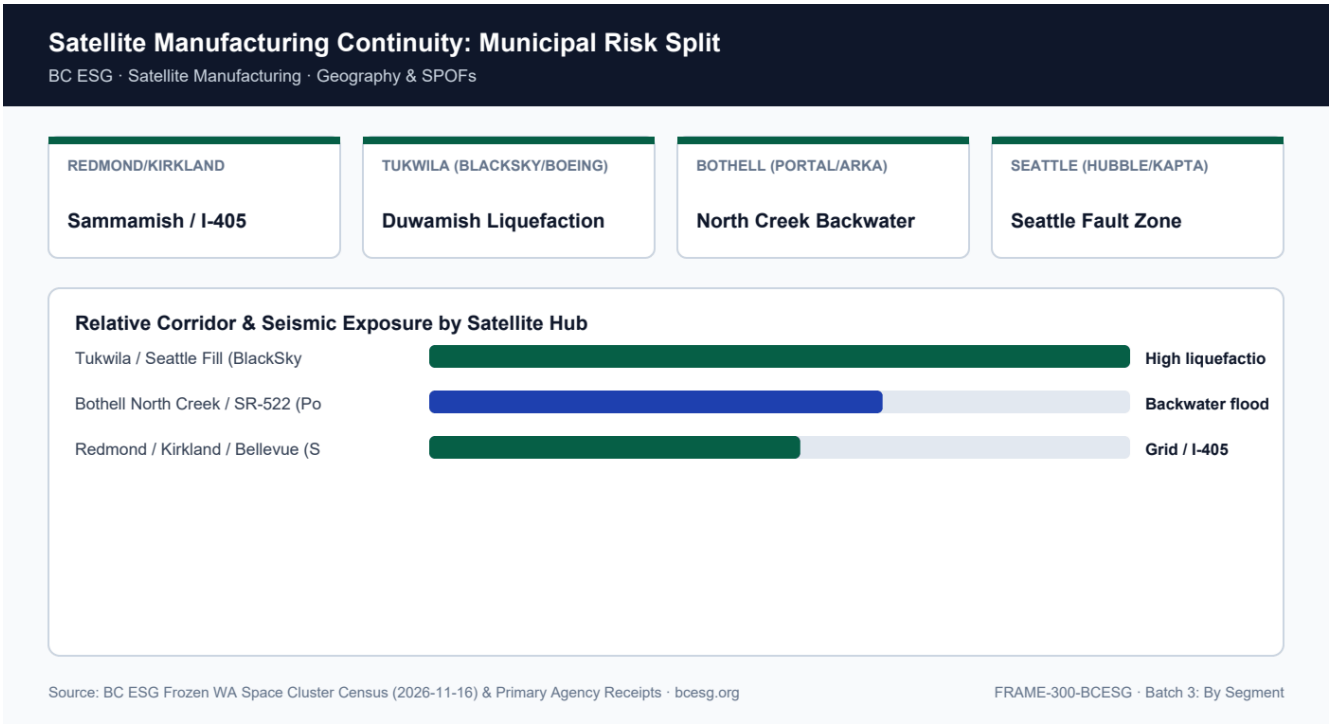
Satellite Manufacturing Continuity: Eastside vs. Tukwila/Bothell Nodes

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Verification & Scope Baseline: Redmond/Kirkland sit on Sammamish basin / I-405 corridors (no deep dam-breach risk); Tukwila sits on Lower Duwamish high-liquefaction fill; Bothell sits on North Creek.



Sub-Corridor	Satellite Firms	Primary Hazard	Single Point of Failure
Redmond / Kirkland	SpaceX, Amazon Leo, Eclipse	I-405 congestion, power feeder load	Cleanroom HV/clean power
Bellevue	K2 Space, Xplore	Kelsey Creek / I-405-I-90	Engineering workforce & lab power
Bothell	Portal Space Systems, ARKA	North Creek bidirectional backwater	SR-522 / I-405 access
Tukwila / Seattle	BlackSky, Boeing, Hubble, Kapta	Duwamish/SODO liquefaction	Cleanroom floor & Boeing Field freight

Distinct Hazard Profiles Across Four Metro Sub-Corridors

Satellite manufacturing does not share a single uniform floodplain. On the Eastside, SpaceX Starlink and Amazon Leo operate in Redmond and Kirkland along the Sammamish River corridor—facing localized 100-year backwatering and **I-405/SR-520** commute/freight bottlenecks without deep-impoundment dam-breach exposure.

By contrast, BlackSky (12501 E Marginal Wy S, Tukwila) and Boeing (Tukwila/Kent) sit in the Lower Duwamish / Green River corridor on historical alluvial fill with elevated liquefaction susceptibility, while Portal Space Systems and ARKA sit in Bothell's North Creek / Sammamish confluence.

Verified Primary Sources & Internal Bridges

- City of Redmond Natural Resources: https://www.redmond.gov/224/Natural-Resources
- City of Bothell Surface Water: https://www.bothellwa.gov/306/Surface-Water
- Seattle Emergency Management: https://www.seattle.gov/emergency-management
- King County DNRP: https://kingcounty.gov/en/dept/dnrp