

USGS National Enhanced Elevation Assessment Summary of Documented Federal High-Resolution Elevation Data Needs for Alaska

Dept	Agency	Business Use	Functional Activity Reported	Quality Level Required	Square miles of Alaska Requested
DHS	DHS	Homeland Security, Law Enforcement and Disaster Response	Special Security Events	2 (LiDAR)	439
			Infrastructure Protection	3 (LiDAR)	3,107
			Coastal Search and Rescue	3 (LiDAR)	16,298
	FEMA	Flood Risk Management	Flood Risk Analysis	3 (LiDAR)	3,114
				4 (IfSAR)	86,181
5 (IfSAR)				485,128	
DOC	NOAA	Coastal Zone Management	Coastal Mapping and Modeling	2 (LiDAR)	44,991
				5 (IfSAR)	577,693
		Flood Risk Management	Advanced Hydrologic Prediction Service Static Inundation Mapping	3 (LiDAR)	3,114
				4 (IfSAR)	86,181
	5 (IfSAR)			485,128	
Natural Resources Conservation	Coastal and Marine Resources Conservation	2 (LiDAR)	44,991		
DOD	DISDI	Infrastructure and Construction Management	Defense Installation Geospatial Information and Services	2 (LiDAR)	2,628
	NGA	Homeland Security, Law Enforcement and Disaster Response	Homeland Security and Disaster Preparedness	2 (LiDAR)	439
	USACE	Flood Risk Management	Flood Risk and Emergency Management	3 (LiDAR)	3,114
		Infrastructure and Construction Management	Infrastructure and Construction Management	1 (LiDAR)	2,628
DOE	DOE	Homeland Security, Law Enforcement and Disaster Response	Population Distributions and Dynamics	1 (LiDAR)	439

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DOI	BIA	Natural Resources Conservation	Protection and Enhancement of American Indian Trust (AIT) Assets	3 (LiDAR)	1,457
	BLM	Natural Resources Conservation	Multi-Use Land Management in Alaska	5 (IfSAR)	577,693
		Wildfire Management, Planning and Response	Wildland Fire Fighting	3 (LiDAR)	99,965
	FWS	Natural Resources Conservation	Wetlands Inventory and Mapping	Special Need	577,693
		Sea Level Rise and Subsidence	Landscape Conservation Cooperatives (LCCs)	1 (LiDAR)	46,525
		Wildlife and Habitat Management	National Wildlife Refuge System	2 (LiDAR)	36,814
			Endangered Species (ES) and Fisheries and Habitat Conservation (FHC)	5 (IfSAR)	103,107
			Migratory Birds	5 (IfSAR)	571,484
	NPS	Natural Resources Conservation	Preservation and Protection of Natural and Cultural Resources	5 (IfSAR)	83,567
	OSM	Resource Mining	Regulation and Reclamation of Coal Mining Activities	2 (LiDAR)	34,386
	USGS	Flood Risk Management	Flood Risk Management	3 (LiDAR)	1,720
		Geologic Resources Assessment and Hazard Mitigation	Volcano Hazards	1 (LiDAR)	1,447
			Landslide Hazards	3 (LiDAR)	12,183
			Geologic Mapping	1 (LiDAR)	247,472
		Natural Resources Conservation	Mapping, Monitoring, and Assessment of Biological Carbon Stocks	5 (IfSAR)	573,105
Wildlife and Habitat Management			Mapping, Monitoring, and Assessment of Habitat	1 (LiDAR)	469,512
			2 (LiDAR)	103,592	
DOJ	FBI	Homeland Security, Law Enforcement and Disaster Response	3-D Modeling and Analysis	2 (LiDAR)	439
DOT	FAA	Aviation Navigation and Safety	Terminal Instrument Procedure Development	1 (LiDAR)	48,930
			Enroute Instrument Procedure Development	5 (IfSAR)	577,693
EPA	EPA	Natural Resources Conservation	Environmental Protection, Land Cover Characterization, and Runoff Modeling	5 (IfSAR)	577,693
		Sea Level Rise and Subsidence	Sea Level Rise (SLR) Vulnerability Assessments	2 (LiDAR)	44,991
		Water Supply and Quality	Broad Area Air and Water Quality Research	5 (IfSAR)	577,693

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FCC	FCC	Telecommunications	Spectrum Management and Frequency Coordination	5 (IfSAR)	577,693	
FERC	FERC	Homeland Security, Law Enforcement and Disaster Response	Flood Risk Mapping for Hydroelectric Dam Break Failures and Analysis	5 (IfSAR)	118,919	
		Oil and Gas Resources	Pipeline Routing and Facility Siting	5 (IfSAR)	577,693	
HHS	CDC	Health and Human Services	Human, Animal, and Environmental Health	5 (IfSAR)	577,693	
			Waterborne Disease Prevention	Special Need	577,693	
NASA	NASA	Education K-12 and Beyond	Advanced Earth Science Mission Support	5 (IfSAR)	577,693	
NSF	NSF	Education K-12 and Beyond	National Ecological Observatory Network (NEON)	2 (LiDAR)	577,693	
		Geologic Resources Assessment and Hazard Mitigation	EarthScope Initiative	1 (LiDAR)	577,693	
USDA	NRCS	Natural Resources Conservation	Conservation Engineering and Practices	5 (IfSAR)	178,644	
			NRCS Specialized Mapping Applications	5 (IfSAR)	573,104	
	USFS	Natural Resources Conservation	Forest Resources Management	Forest Inventory and Assessment	5 (IfSAR)	156,330
			Infrastructure and Construction Management	Infrastructure Management	5 (IfSAR)	35,354
			Wetlands Mapping and Characterization	5 (IfSAR)	35,354	
				Soils and Geology Inventory	5 (IfSAR)	35,354
			River and Stream Resource Management	Watershed Analysis	5 (IfSAR)	68,261
			Wildfire Management, Planning and Response	Wildfire Management	5 (IfSAR)	156,330