

Model	Approach	Inputs	Limitations	Spatial extent
USGS	Manual sieving	sediments	grains > 2mm	point (double-check)
NEXSS	Model	<i>watershed characteristics</i>	Model generalizations	reach-scale
Abeyshu et al. 2022	Model	<i>watershed characteristics</i>	Model generalizations	reach-scale
YOLO (this study)	Computer vision	images	obscured/small (< 2mm) grains	0.8mx0.8m