

MexicoBeach-10-13-2018 Mission Data

Example User

Generated July 12, 2026 at 11:28

Road damage class labels are generated by AI. Consider this when interpreting these labels, and verify all outputs before operational use. This slide deck presents road damage assessment (RDA) results only.

Survey Summary



Model	RDA_UNet_v1_CCE_Full_NoAttention
Road lines assessed	351
Total road length assessed	15.68 km
Orthomosaics	10132018-MexicoBeach
Surveyed area	4.84 km ² (1,197 acres)
Ground resolution	1.96 cm/pixel
Coordinate system	EPSG:32616
Model run completed	2026-07-12 16:27 UTC
Capture location	29.9477° N, 85.4166° W

Road Damage Breakdown



Road condition	Length (km)	Share
Road Line	6.32	40%
Partial	5.59	36%
Total	3.77	24%
Total	15.68	100%

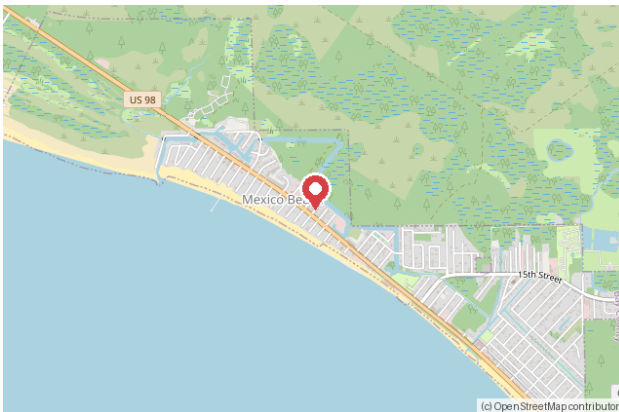


Figure: Approximate capture location (marker at survey centroid).

29.9477° N, 85.4166° W [Open in Google Maps](#)

Orthomosaic Results



Key: Road Line (passable), Partial (partially blocked), Total (fully blocked)



Figure: Predicted road damage labels overlaid on the sUAS imagery.

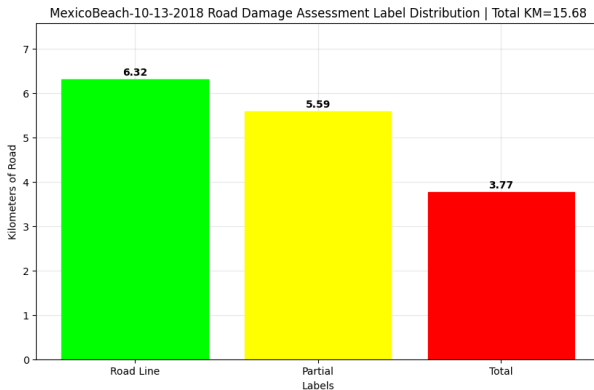


Figure: Distribution of predicted road length by label.

Confidence Distribution: Road Line

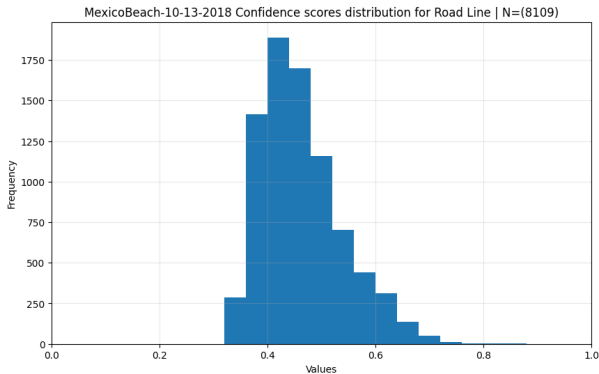


Figure: Confidence distribution for roads labeled 'Road Line'.

Confidence Distribution: Partial

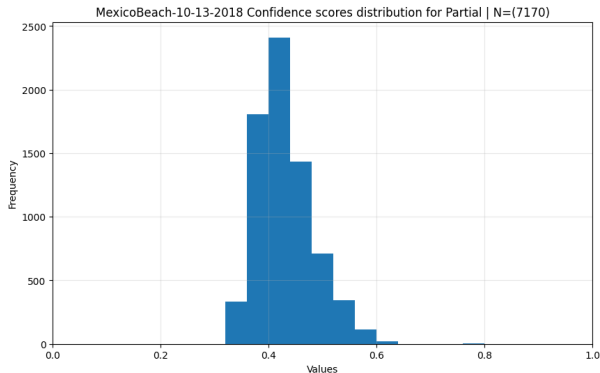


Figure: Confidence distribution for roads labeled 'Partial'.

Confidence Distribution: Total

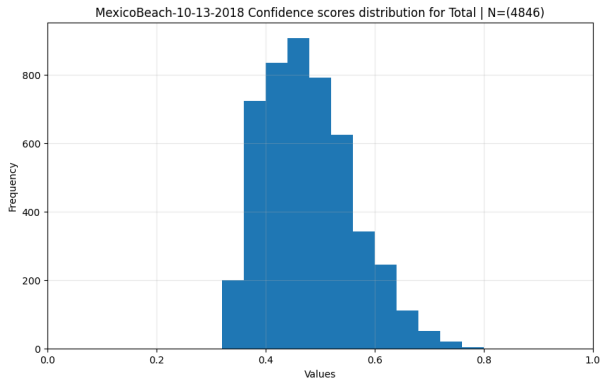


Figure: Confidence distribution for roads labeled 'Total'.



- Example User (info@crasar.org)