

MexicoBeach-10-13-2018 Mission Data

Example User

Generated July 12, 2026 at 10:48

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

Survey Summary



Model	BDA_UperNet_ScaleMae_CCE_Pretrained
Buildings assessed	510
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 15:46 UTC
Capture location	29.9477° N, 85.4166° W

Damage Breakdown



Damage class	Buildings	Share
no damage	169	33%
minor damage	59	12%
major damage	47	9%
destroyed	207	41%
un-classified	28	5%
Total	510	100%

Capture Location

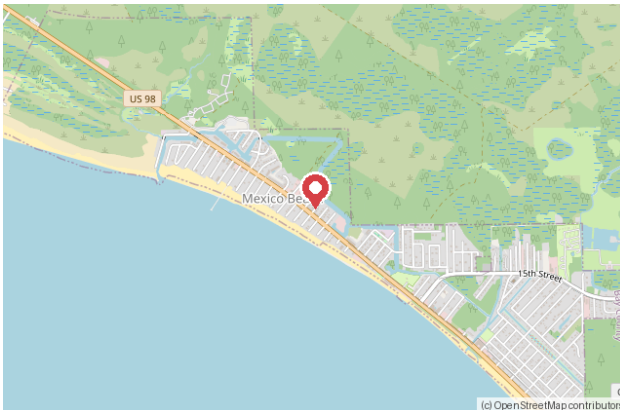


Figure: Approximate capture location (marker at survey centroid).

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

Orthomosaic Results



Key: no damage, minor damage, major damage, destroyed, un-classified



Figure: Predicted damage labels overlaid on the sUAS imagery.

Orthomosaic Results (Buildings Only)



Key: no damage, minor damage, major damage, destroyed, un-classified

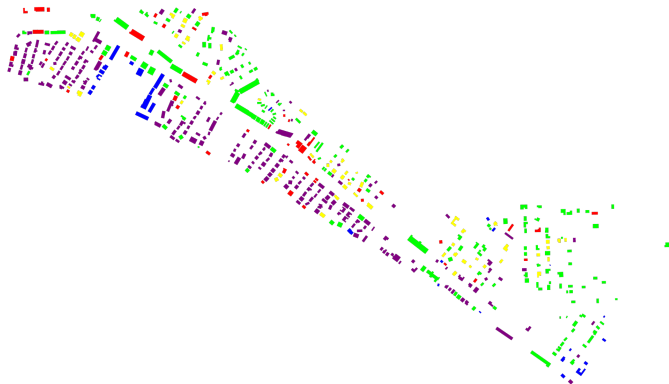


Figure: Predicted damage labels.

Model Confidence Map



Buildings recolored by model confidence: **high** to **low**.



Figure: Predicted buildings colored by model confidence, overlaid on the sUAS imagery (blue high, red low).

Model Confidence Map (Buildings Only)



Buildings recolored by model confidence: high to low.

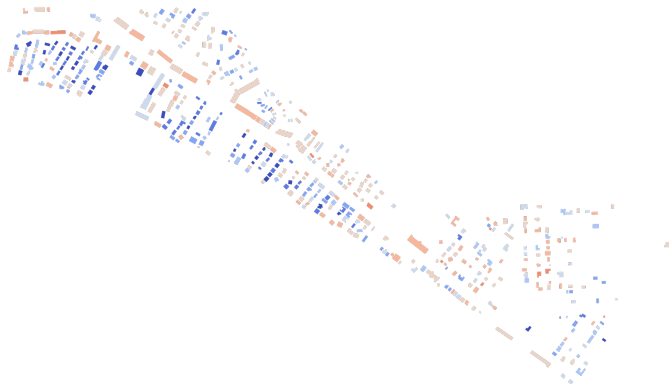


Figure: Predicted buildings colored by model confidence (blue high, red low).

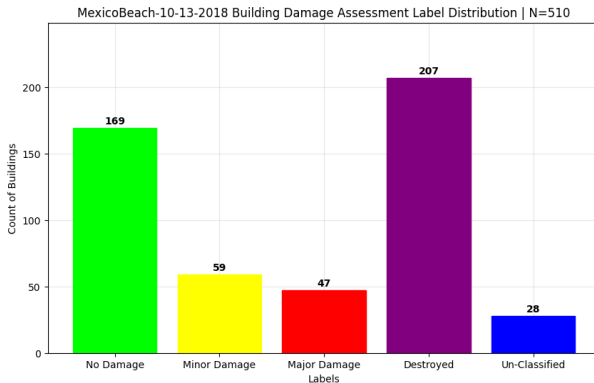


Figure: Distribution of predicted labels.

Example Buildings: no damage



Example Buildings: minor damage



Example Buildings: major damage



Example Buildings: destroyed



Example Buildings: un-classified



Confidence Distribution: no damage

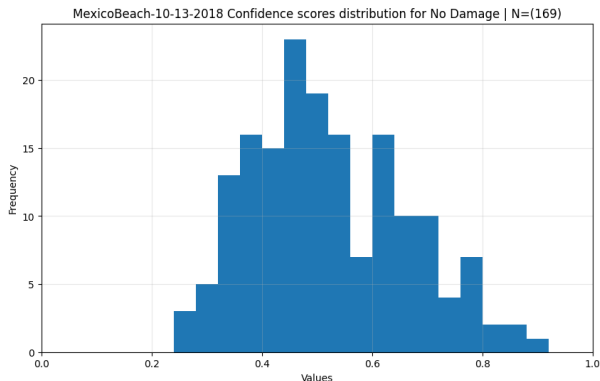


Figure: Confidence distribution for buildings labeled 'no damage'.

Confidence Distribution: minor damage

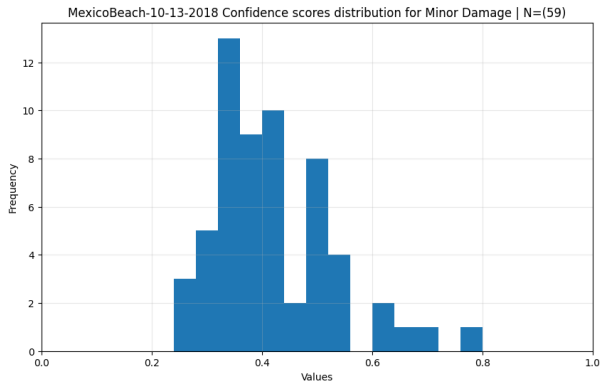


Figure: Confidence distribution for buildings labeled 'minor damage'.

Confidence Distribution: major damage

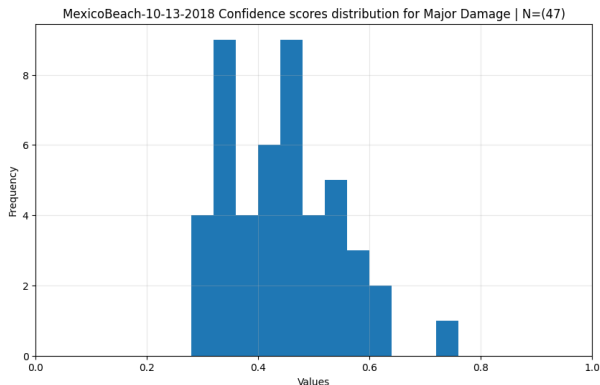


Figure: Confidence distribution for buildings labeled 'major damage'.

Confidence Distribution: destroyed

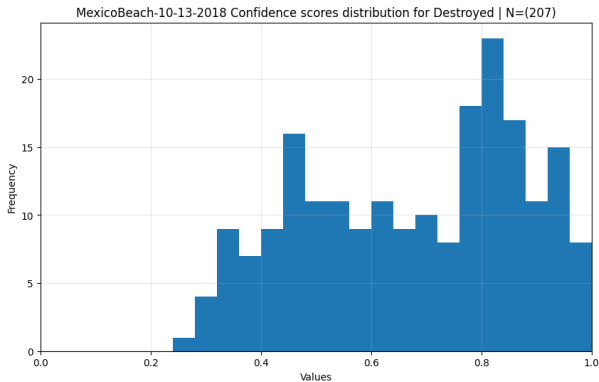


Figure: Confidence distribution for buildings labeled 'destroyed'.

Confidence Distribution: un-classified

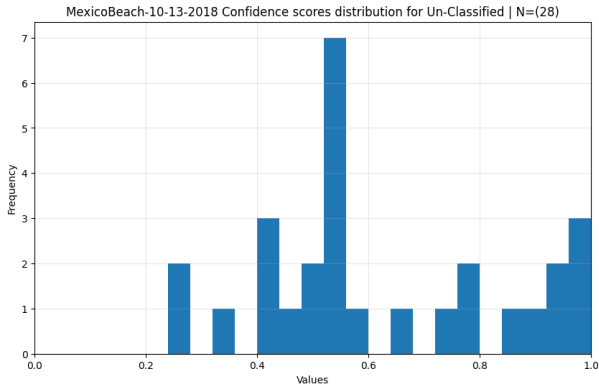


Figure: Confidence distribution for buildings labeled 'un-classified'.



- Example User (info@crasar.org)