Stock YOLOv9c Testing

Summary

I found a couple images of each of the SUAS objects on the internet, fed them through the stock model, and recorded how well it detected each of them. Many of these images were not ideal because they had watermarks or were not from a true aerial perspective like the drone would have, so further testing is needed.

The model detected almost all of the objects. A few were incorrectly classified but still a part of the SUAS set. The model struggled the most with the vehicles (cars, motorcycles, buses, and boats), but correctly detected every object more than half the time. The raw data is below.

Object	Detected at least One	Detected at least Half	Detected All
Person/Mannequin	x	x	x
Car	x	x	
Motorcycle	x	x	
Airplane	x	x	x
Bus	x	x	
Boat	x	x	
Stop Sign	x	x	x
Snowboard	x	x	x
Umbrella	x	x	x
Sports Ball	x	x	x
Baseball Bat	x	x	x
Bed/Mattress	x	x	x
Tennis Racket	x	x	x
Suitcase	x	x	x
Skis	x	x	x