

Appendix 5. Maxent Jackknife validation assessment model output, including area under the receiver-operating curve (AUC) and percent contribution of model predictor variables for each model.

Model Run	AUC	Variable Contribution
Model 1	0.644	Distance to water (78%), Distance to roads (10%), August NDVI (9%), Slope (2%), Elevation (1%), Distance to settlements, (0%), CTI (0%).
Model 2	0.998	Distance to water (75%), August NDVI (12%), Distance to roads (10%), Slope (2%), Elevation (1%), Distance to settlements, (0%), CTI (0%).
Model 3	0.989	Distance to water (73%), August NDVI (12%), Distance to roads (10%), Slope (3%), Elevation (2%), Distance to settlements, (0%), CTI (0%).
Model 4	0.792	Distance to water (62%), August NDVI (24%), Distance to roads (8%), Slope (5%), Elevation (1%), Distance to settlements, (0%), CTI (0%).
Model 5	0.980	Distance to water (73%), August NDVI (11%), Distance to roads (12%), Slope (3%), Elevation (1%), Distance to settlements, (0%), CTI (0%).
Model 6	0.931	Distance to water (68%), August NDVI (15%), Distance to roads (11%), Elevation (3%), Slope (3%), Distance to settlements, (0%), CTI (0%).
Model 7	0.964	Distance to water (71%), August NDVI (18%), Distance to roads (9%), Slope (2%), Elevation (0%), Distance to settlements, (0%), CTI (0%).
Model 8	0.262	Distance to water (66%), Distance to roads (17%), August NDVI (14%), Slope (2%), CTI (1%), Distance to settlements, (0%), Elevation (0%).
Model 9	0.927	Distance to water (69%), August NDVI (13%), Distance to roads (9%), slope (7%), Elevation (2%), Distance to settlements, (0%), CTI (0%).
Model 10	0.972	Distance to water (72%), August NDVI (12%), Distance to roads (9%), Slope (4%), Elevation (3%), Distance to settlements, (0%), CTI (0%).
Model 11	0.458	Distance to water (64%), August NDVI (13%), Elevation (12%), Distance to roads (8%), Slope (3%), Distance to settlements, (0%), CTI (0%).
Model 12	0.830	Distance to water (76%), Distance to roads (10%), August NDVI (10%), Slope (3%), Elevation (1%), Distance to settlements, (0%), CTI (0%).
Model 13	0.883	Distance to water (65%), August NDVI (24%), Distance to roads (8%), Slope (3%), Elevation (0%), Distance to settlements, (0%), CTI (0%).
Model 14	0.529	Distance to water (68%), August NDVI (20%), Distance to roads (8%), Slope (2%), Elevation (2%), Distance to settlements, (0%), CTI (0%).
Model 15	0.891	Distance to water (68%), August NDVI (13%), Distance to roads (9%), Slope (7%), Elevation (3%), Distance to settlements, (0%), CTI (0%).
Model 16	0.846	Distance to water (65%), August NDVI (20%), Distance to roads (10%), Slope (3%), Elevation (2%), Distance to settlements, (0%), CTI (0%).
Model 17	0.967	Distance to water (71%), August NDVI (17%), Distance to roads (9%), Slope (2%), Elevation (1%), Distance to settlements, (0%), CTI (0%).
Model 18	0.479	Distance to water (69%), August NDVI (21%), Distance to roads (7%), Slope (2%), Elevation (1%), Distance to settlements, (0%), CTI (0%).