

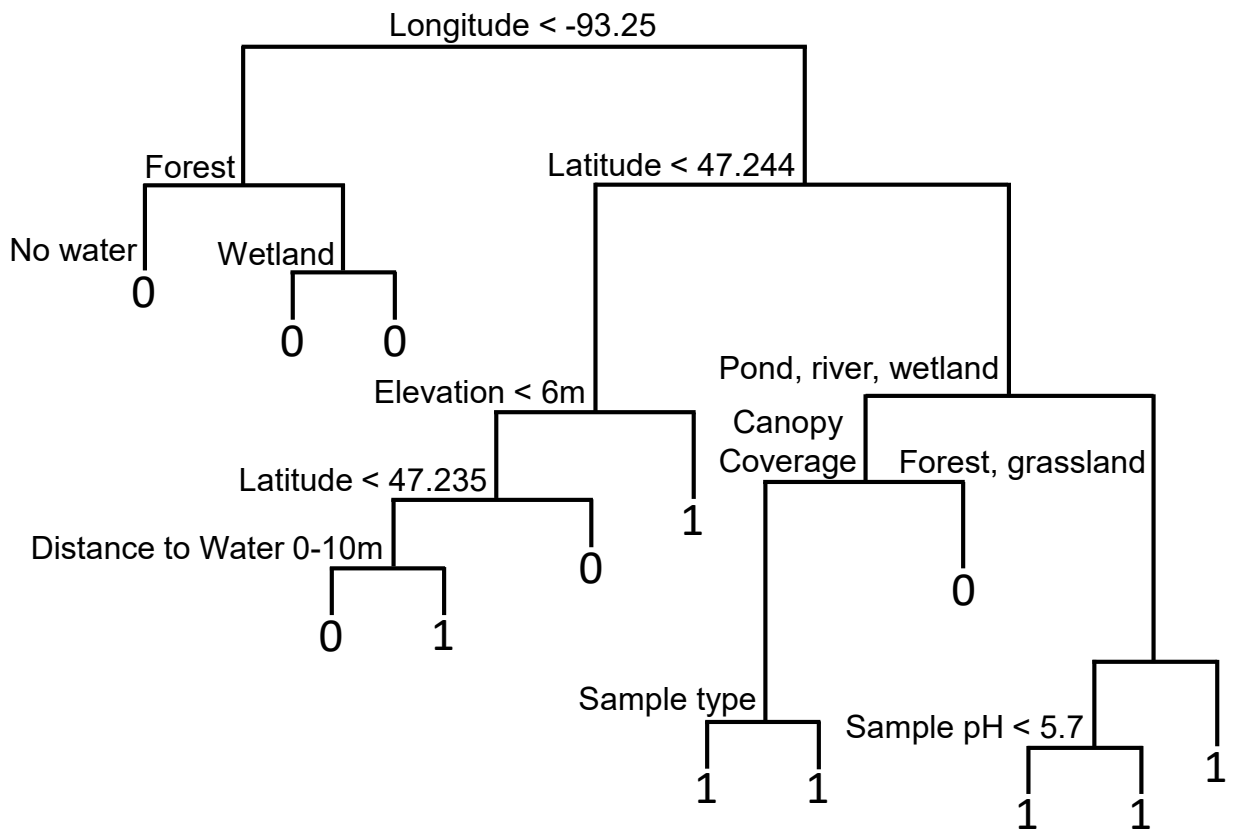
Table S1. ANOVA analysis of deviance indicated that longitude, water classification, and nearby fecal matter had significant effects when added individually to the logistic regression model*

Landscape Characteristic[†]	Df	Residual Df	Deviance	Residual Deviance	P-value[‡]
NULL		100		137.14	
Latitude	1	99	3.55	133.59	0.06
Longitude	1	98	5.55	128.04	0.02
Elevation (m)	1	97	0.19	127.85	0.66
Site Classification	3	94	5.19	122.66	0.16
Groundcover	5	89	4.92	117.74	0.43
Canopy Classification	2	87	0.90	116.84	0.64
Distance to Water	3	84	3.48	113.36	0.32
Water Classification	5	79	13.28	100.08	0.02
Landform	5	74	10.51	89.57	0.06
Nearby Fecal Matter	1	73	5.09	84.48	0.02
Rotting Wood Present	1	72	0.01	84.47	0.91
Sample Type	4	68	1.33	83.14	0.86
Soil pH	1	67	0.03	83.11	0.85

* No p-values were <0.05 when all landscape characteristics were analyzed simultaneously

[†] Landscape characteristics were added sequentially from top to bottom of the table

[‡] p-values <0.05 are indicated in bold



Supplemental Figure 1. Classification Tree with 14 nodes.
 The tree nodes describe factors that predict *B. dermatitidis* DNA presence or absence.