

Upper Boundary

(a)

Minimum Extent

Sentinel-1

OIB

	Yes	No
Yes	74,479 (True Positive Rate: 89%)	9,403 (False Negative Rate: 11%)
No	27,681 (False Positive Rate: 12%)	198,733 (True Negative Rate: 88%)

F1 Score: 0.8
 κ : 0.716

(b)

Most Likely Extent

Sentinel-1

OIB

	Yes	No
Yes	78,653 (True Positive Rate: 94%)	5,229 (False Negative Rate: 6%)
No	31,323 (False Positive Rate: 14%)	195,091 (True Negative Rate: 86%)

F1 Score: 0.811
 κ : 0.728

(c)

Maximum Extent

Sentinel-1

OIB

	Yes	No
Yes	81,670 (True Positive Rate: 97%)	2,212 (False Negative Rate: 3%)
No	41,920 (False Positive Rate: 19%)	184,494 (True Negative Rate: 81%)

F1 Score: 0.787
 κ : 0.686

(d)

Sentinel-1

OIB

	Yes	No
Yes	29,925 (True Positive Rate: 48%)	32,269 (False Negative Rate: 52%)
No	14,935 (False Positive Rate: 10%)	139,966 (True Negative Rate: 90%)

F1 Score: 0.559
 κ : 0.42

(e)

Sentinel-1

OIB

	Yes	No
Yes	58,747 (True Positive Rate: 94%)	3,447 (False Negative Rate: 6%)
No	53,211 (False Positive Rate: 34%)	101,690 (True Negative Rate: 66%)

F1 Score: 0.674
 κ : 0.485

(f)

Sentinel-1

OIB

	Yes	No
Yes	61,741 (True Positive Rate: 99%)	453 (False Negative Rate: 1%)
No	66,979 (False Positive Rate: 43%)	87,922 (True Negative Rate: 57%)

F1 Score: 0.647
 κ : 0.424

Lower Boundary