

1 **Supplementary Materials:**2 **Ivan Castillo-Riffart ¹, Mauricio Galleguillos ^{1,2,*}, Javier Lopatin ³, and Jorge Perez-Quezada ^{1,4}**3 **Table S1. Species cover by peatland.**

Species/Peatland	Mean			Minimum			Maximum			Standard deviation		
	P1	P2	P3	P1	P2	P3	P1	P2	P3	P1	P2	P3
<i>Agrostis capillaris</i> L.	6	0	2	3	0	5	35	0	15	11	0	6
<i>Agrostis tenuis</i> L.	2	0	0	3	0	0	15	0	0	5	0	0
<i>Aster vahlii</i> (Gaudich.) Hooker et Armott	1	0	0	2	0	0	5	0	0	2	0	0
<i>Avena</i> sp	1	0	0	10	0	0	10	0	0	0	0	0
<i>Baccharis patagonica</i> Hook. & Arn.	20	13	8	3	1	10	75	30	55	23	9	19
<i>Baccharis sagittalis</i> (Less.) DC.	0	0	0	1	0	0	1	0	0	0	0	0
<i>Berberis microphylla</i> G. Forst.	5	0	0	35	1	0	35	1	0	0	0	0
<i>Blechnum chilensis</i>	2	0	2	2	0	1	30	0	10	14	0	3
<i>Blechnum cordatum</i> (Desv.) Hieron.	0	5	0	0	1	0	0	50	0	0	17	0
<i>Blechnum magellanicum</i> (Desv.) Mett.	0	0	0	0	5	0	0	5	0	0	0	0
<i>Blechnum penna-marina</i> (Poir.) Kuhn	19	1	1	3	1	1	50	1	5	15	0	2
<i>Carex distenta</i> Kunze ex Kuhn	9	0	0	10	0	0	60	0	0	19	0	0
<i>Carex eamatorrhyncha</i> É. Desv.	6	0	0	2	0	0	40	0	0	12	0	0
<i>Carex magellanica</i> Lam.	1	0	2	3	1	1	5	5	5	1	2	2
<i>Centella asiatica</i> (L.) Urb.	12	0	0	1	1	0	50	1	0	18	0	0
<i>Danthonia chilensis</i> E. Desv.	2	0	0	5	0	5	20	0	5	11	0	0
<i>Eleocharis pachycarpa</i> É. Dsv.	1	0	1	5	0	2	5	0	10	0	0	6
<i>Empetrum rubrum</i> Vahl ex Willd.	2	0	15	30	0	5	30	0	40	0	0	11
<i>Gaultheria insana</i> (Molina) D.J. Middleton	0	0	0	0	1	0	0	1	0	0	0	0
<i>Gaultheria mucronata</i> (L. f.) Hook. & Arn.	18	7	11	5	1	2	35	25	20	9	8	6
<i>Holcus lanatus</i> L.	0	0	0	1	0	0	2	0	0	1	0	0
<i>Hypochaeris radicata</i> L.	1	0	0	1	0	0	10	0	0	4	0	0
<i>Juncus planifolius</i> R. Br.	4	1	1	10	15	1	20	15	5	4	0	2
<i>Juncus procerus</i> E. Mey.	2	8	2	5	10	1	10	60	15	3	22	6
<i>Juncus stipulatus</i> Nees & Meyen	0	2	0	0	1	0	0	20	0	0	10	0
<i>Lotus pedunculatus</i> Cav.	0	0	0	3	0	0	3	0	0	0	0	0
<i>Luma apiculata</i> (DC.) Burret	0	0	0	0	1	0	0	1	0	0	0	0
<i>Myrteola nummularia</i> (Poir.) O. Berg	15	4	22	2	1	5	35	20	40	10	6	10
<i>Nothofagus nitida</i> (Phil.) Krasser	0	0	0	0	1	0	0	1	0	0	0	0
<i>Oreobolus obtusangulus</i> Gaudich	0	0	1	0	0	1	0	0	15	0	0	7
<i>Ovidia pillo-pillo</i> (Gay) meism.	0	0	1	0	0	18	0	0	18	0	0	0
<i>Philesia magellanica</i> J.F. Gmel.	0	0	19	0	1	5	0	1	60	0	0	15
<i>Pilgerodendron uviferum</i> (D. Don) Florin.	0	0	11	0	0	5	0	0	40	0	0	12
<i>Poaceae</i> sp. 1	0	0	0	5	0	0	5	0	0	0	0	0
<i>Polypogon linearis</i> Trin.	1	0	1	2	0	2	4	0	3	1	0	1
<i>Schizaea fiotulosa</i> Labill	0	0	0	0	0	2	0	0	2	0	0	0
<i>Schoenus rhynchosporoides</i> (Steud.) Kük.	1	4	6	20	1	2	20	45	25	0	20	8
<i>Sticherus cryptocarpus</i> (Hook.) Ching	12	43	18	10	10	1	35	90	70	9	25	19
<i>Tepualia stipularis</i> (Hook. & Arn.) Griseb.	0	0	0	0	1	0	0	1	0	0	0	0
<i>Trifolium repens</i> L.	0	0	0	2	0	0	2	0	0	0	0	0

<i>Uncinia sp.</i>	0	0	0	0	5	0	0	5	0	0	0	0
<i>Uncinia tenuis Poepp. ex Kunth</i>	4	1	0	1	1	0	20	20	0	10	11	0

4 **Table S2.** Spectral resolution of sensors. The sensor bands are divided by spectral range, where NIR
5 is near infrared and SWIR is short wave infrared.

Sensor	Bands		Central wavelength (nm)	Bandwidth (nm)	Spatial resolution (m)
OLI	Blue	B2	482	60	30
	Green	B3	561	57	30
	Red	B4	655	37	30
	NIR	B5	865	28	30
	SWIR 1	B6	1609	85	30
	SWIR 2	B7	2200	187	30
	ASTER	Green	B1	560	80
Red		B2	660	60	15
NIR		B3N	810	100	15
MSI	Blue	B2	490	64	10
	Green	B3	560	36	10
	Red	B4	665	30	10
	NIR	B8	842	115	10
	NIR	B5	705	15	20
	NIR	B6	740	15	20
	NIR	B7	783	20	20
	NIR	B8a	865	20	20
	SWIR 1	B11	1610	90	20
	SWIR 2	B12	2190	180	20

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