

Supplementary Materials: Long-Term Monitoring of the Flooding Regime and Hydroperiod of Doñana Marshes with Landsat Time Series (1974–2014). Remote Sensing 2016, 8, Article No. Manuscript ID

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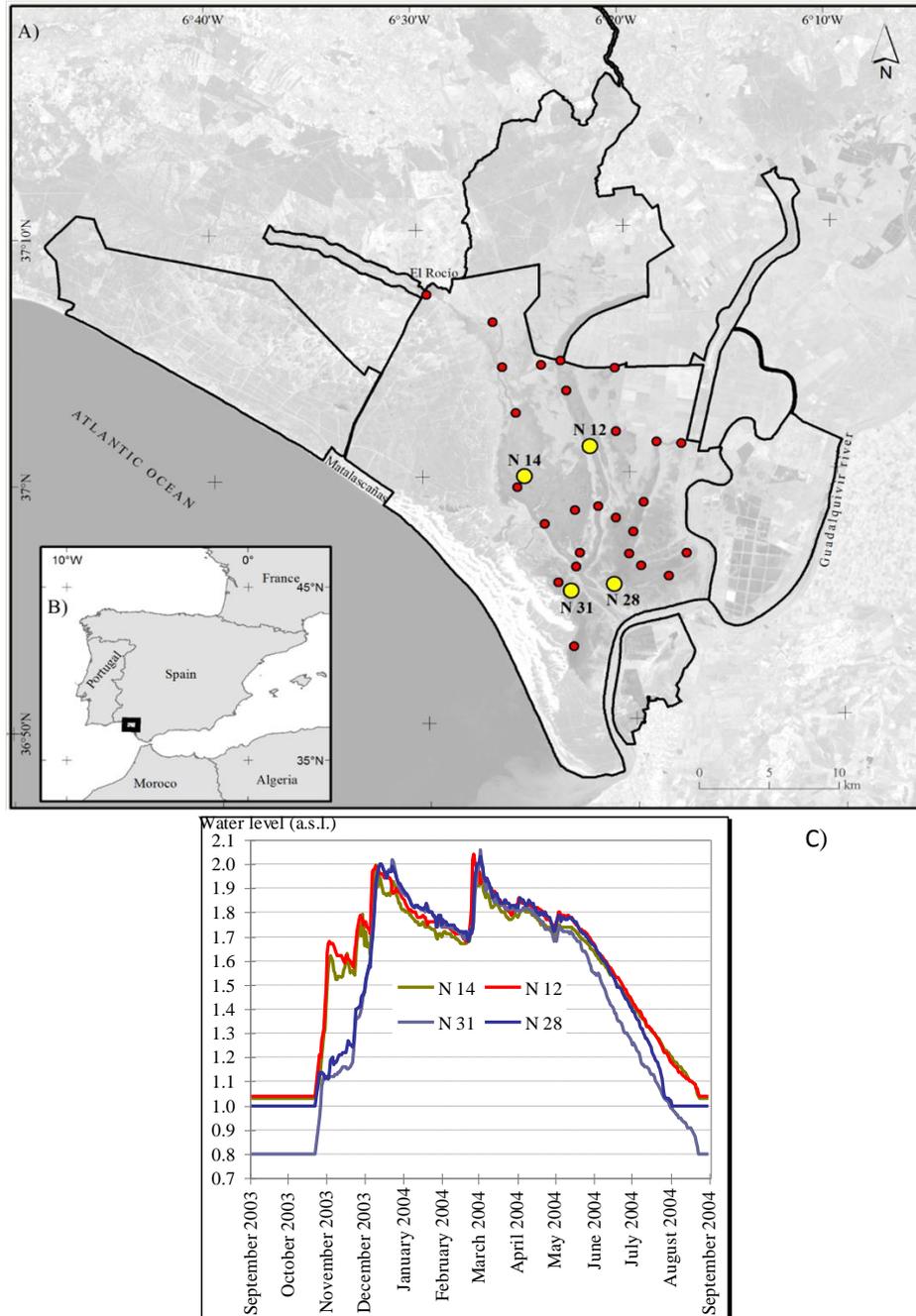


Figure S1. Location of limnimetric scales in Doñana marshes and water level readings. (A) Location of limnimetric scales in Doñana marshes (red dots). Yellow dots are the ones selected for the plot S2C. Black lines depict the limits of Doñana protected area; (B) Location of Doñana in Spain; (C) Water level readings above sea level (a.s.l.) during the 2003–2004 flooding cycle of the yellow dotted scales in figure S2A.

Table S1. Ground-truth data and used training scenes.

Scene Date	Sensor	Flooded	Non-Flooded	Total	Training Set	Testing Set
25 March 2004	TM	89	23	112	90	22
11 February 2006	TM	41	9	50	40	10
8 April 2006	ETM+	40	10	50	40	10
2 May 2006	TM	23	30	53	42	11
3 June 2006	TM	77	45	122	98	24
10 November 2006	TM	76	17	93	74	19
2 March 2007	TM	102	36	138	110	28
18 March 2007	TM	123	37	160	128	32
Total		571	207	778	622	156

Note: Acquisition dates of the scenes used to compare the different classification techniques. The same subset was used to retrieve the classification tree thresholds and for the Jackknife inter-scene cross-validation approach which provided the optimal threshold. Flooded and Non-flooded columns refer to the number of sampling points collected in the field for every category during coincident field campaigns. Training and testing columns refer to the total number of points used for training and testing procedures in the validation assessment.



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