

Table B1. Dates and short description of Landsat data used for retrieving spectral indices and further land-cover classification.

Focus area	Landsat acquisition			Short description (season/ Landsat mission/ spatial resolution)
	year	Month	day	
16-KP-01	2001	7	30	peak-summer, Landsat-7, 30 m
	2001	3	24	snow-covered, Landsat-7, 30 m
	2016	7	31	peak-summer, Landsat-8, 30 m
	2016	3	16	snow-covered, Landsat-8, 30 m
16-KP-02	2000	8	8	peak-summer, Landsat-7, 30 m
	2001	3	22	snow-covered, Landsat-7, 30 m
	2016	8	12	peak-summer, Landsat-8, 30 m
	2016	3	5	snow-covered, Landsat-8, 30 m
16-KP-03	2001	7	30	peak-summer, Landsat-7, 30 m
	2001	3	24	snow-covered, Landsat-7, 30 m
	2016	7	31	peak-summer, Landsat-8, 30 m
	2016	3	16	snow-covered, Landsat-8, 30 m
16-KP-04	2002	8	9	peak-summer, Landsat-7, 30 m
	2001	3	24	snow-covered, Landsat-7, 30 m
	2017	8	10	peak-summer, Landsat-8, 30 m
	2016	3	16	snow-covered, Landsat-8, 30 m