

Supplementary Material

A remotely-sensed based analysis about climatic and landscape change effects on phytoplankton bloom in Barra Bonita Reservoir (São Paulo State, Brazil)

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Phytoplankton and cloud/shadow occurrence maps for the period of 1985–2018.

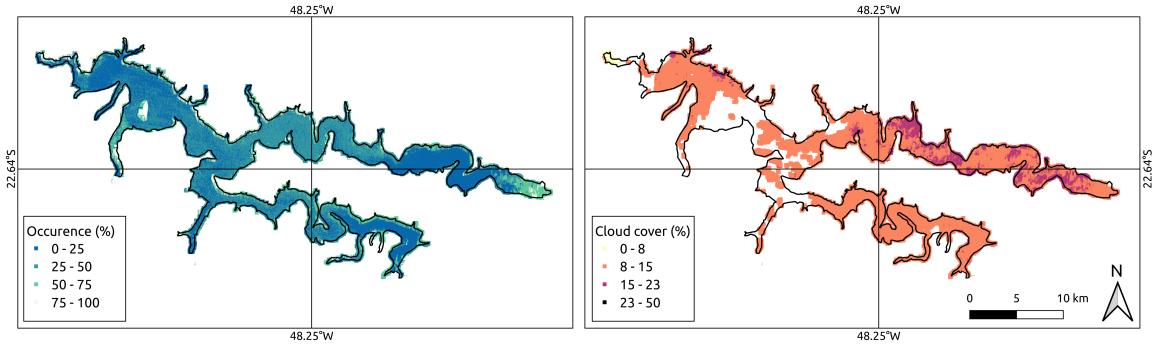


Figure 1: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 1985.

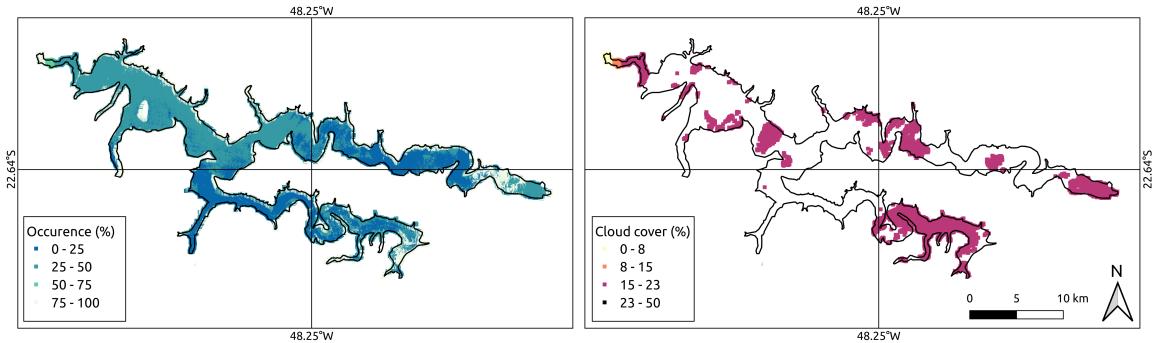


Figure 2: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 1986.

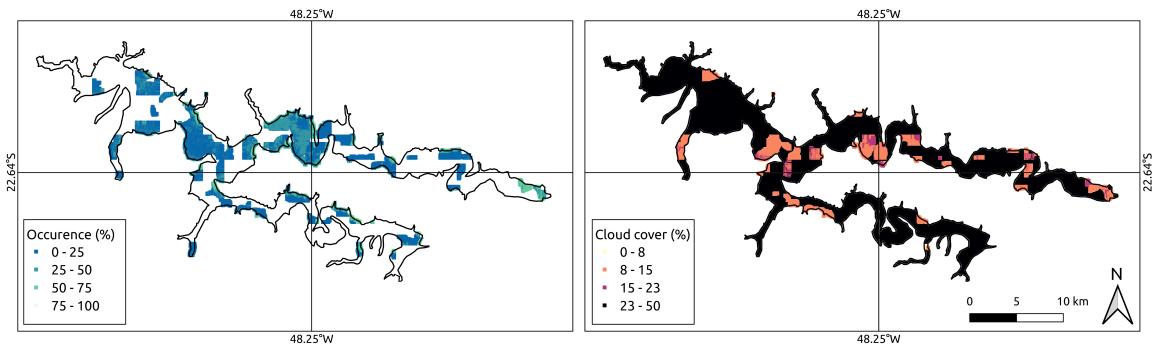


Figure 3: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 1987.

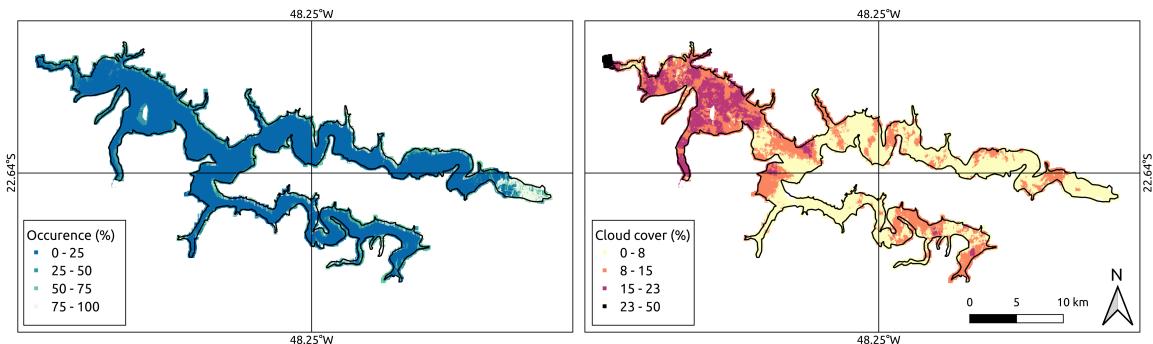


Figure 4: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 1988.

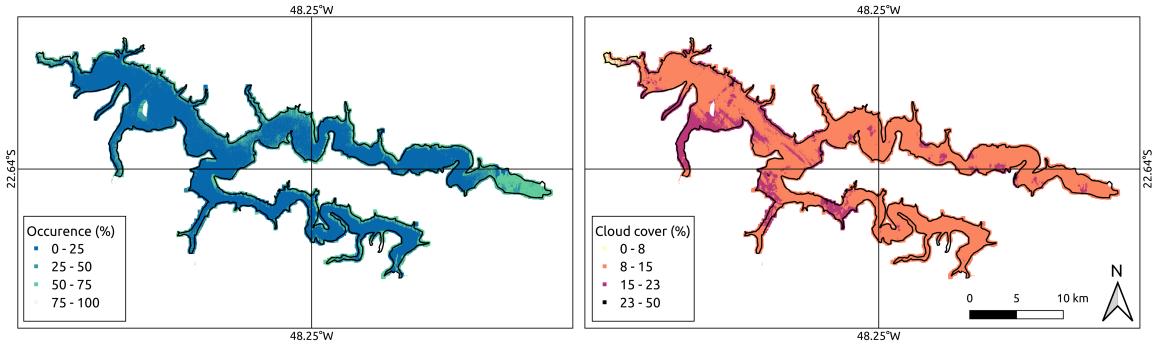


Figure 5: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 1989.

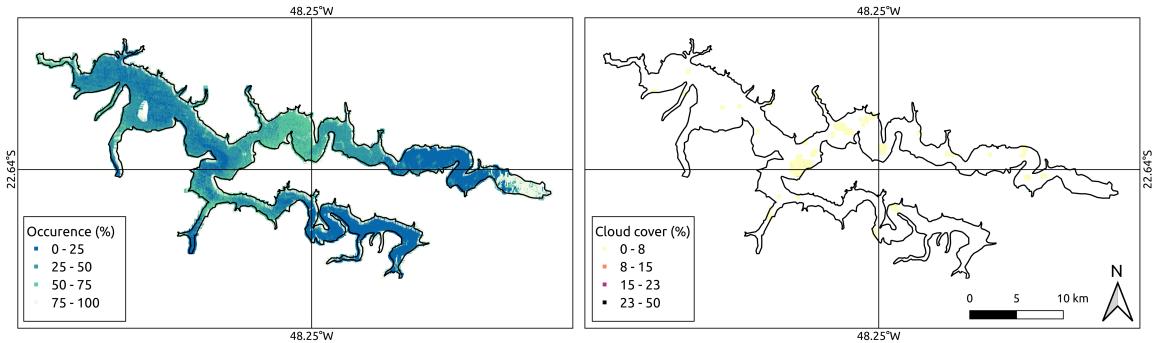


Figure 6: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 1990.

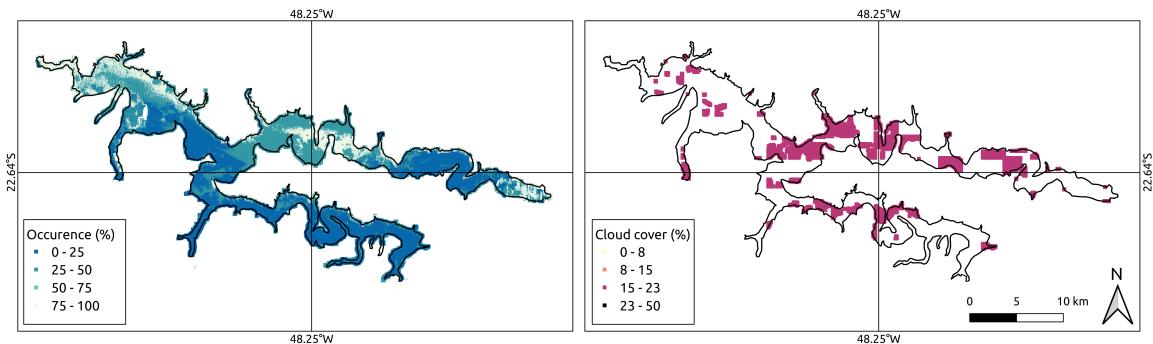


Figure 7: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 1991.

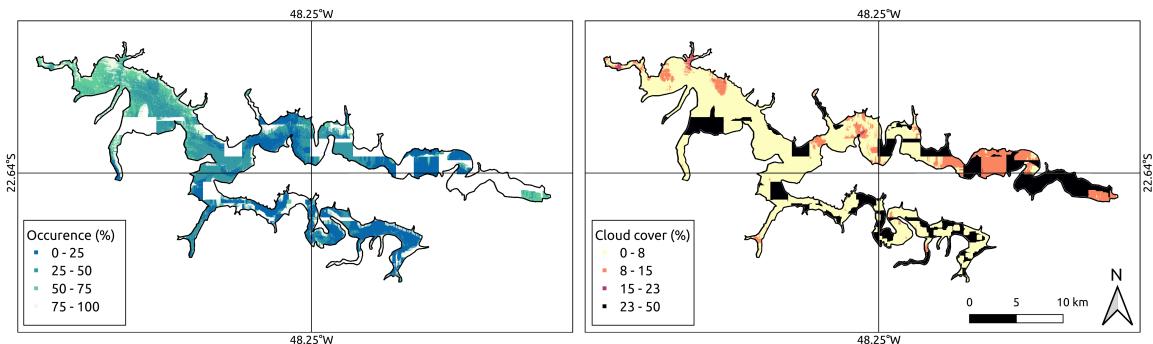


Figure 8: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 1992.

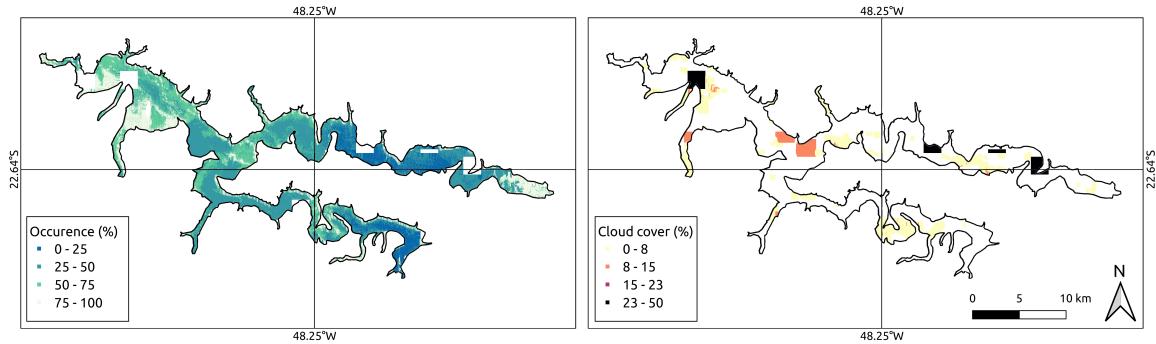


Figure 9: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 1993.

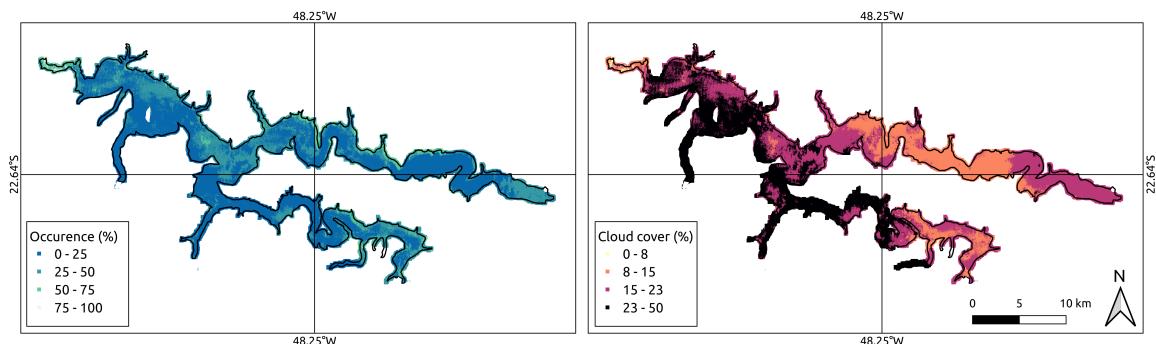


Figure 10: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 1994.

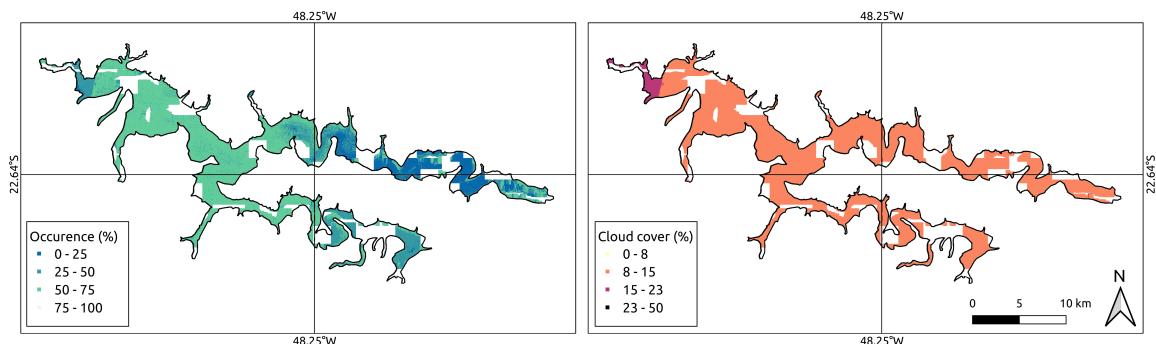


Figure 11: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 1995.

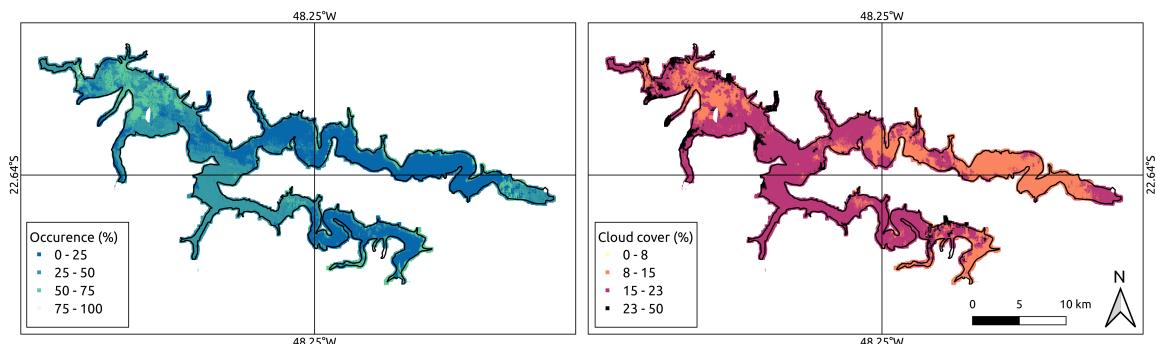


Figure 12: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 1996.

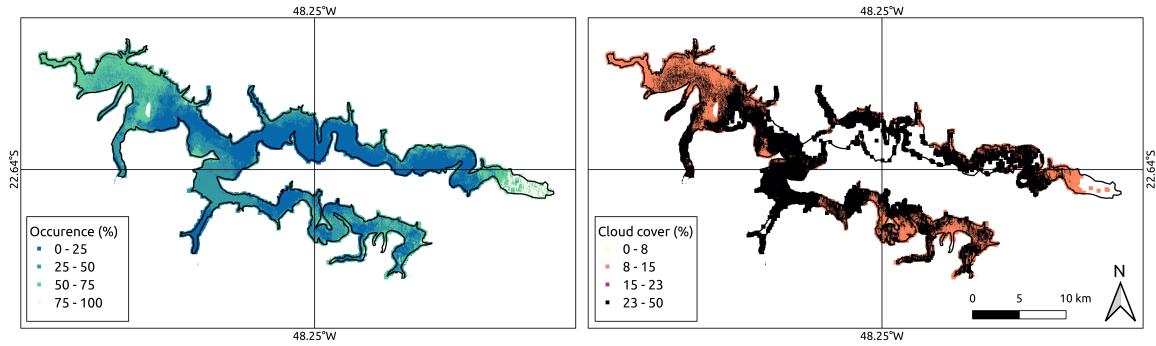


Figure 13: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 1997.

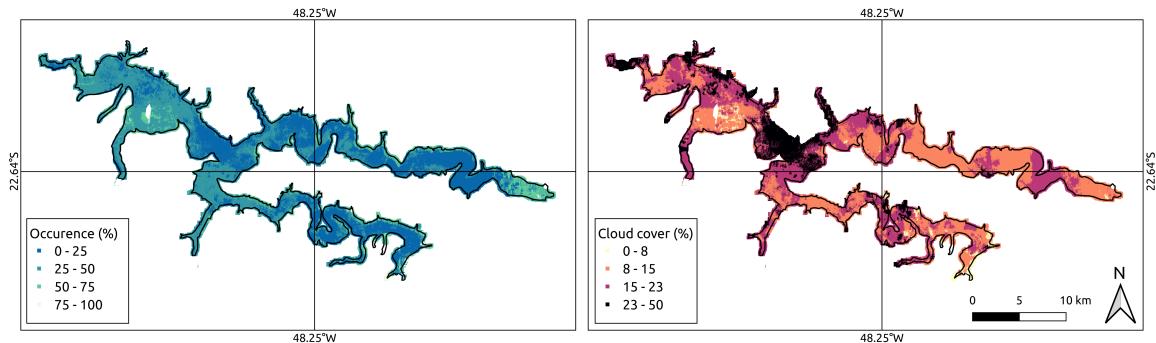


Figure 14: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 1998.

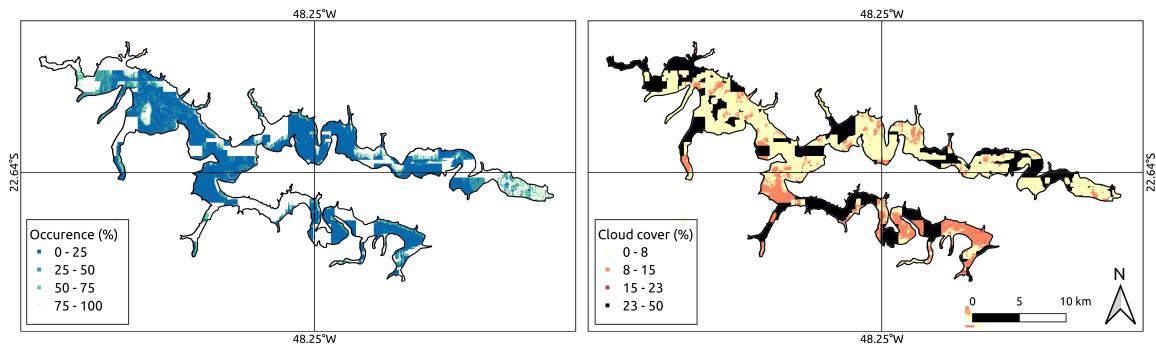


Figure 15: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 1999.

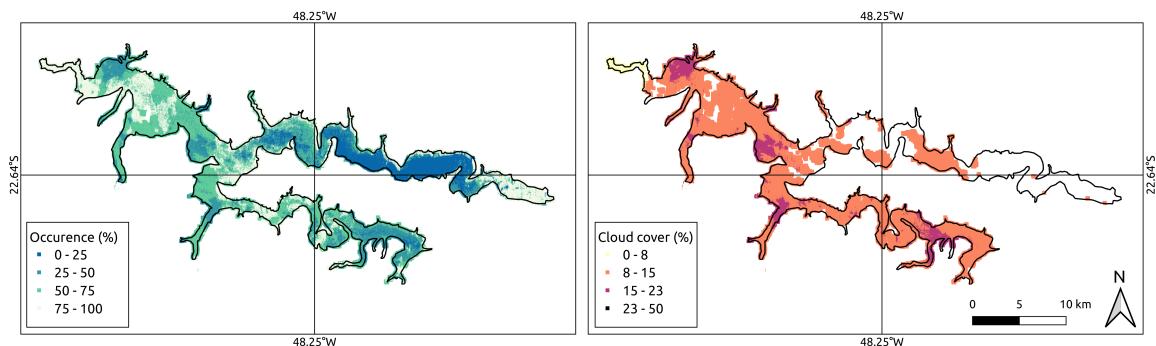


Figure 16: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 2000.

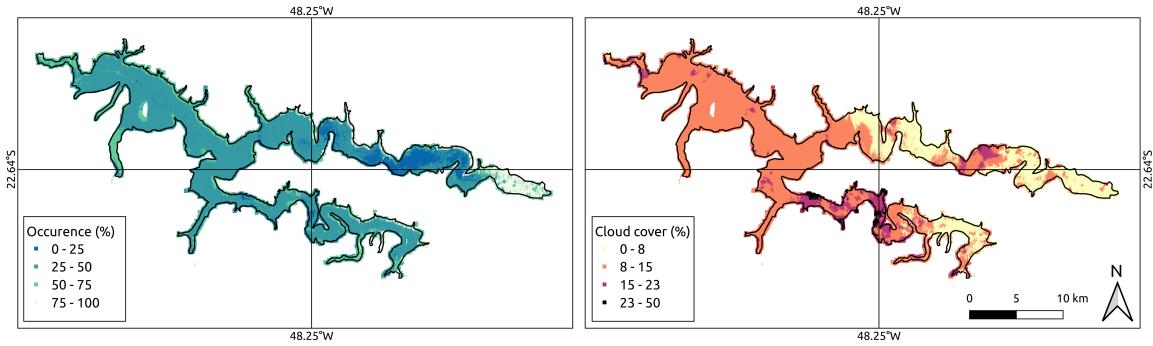


Figure 17: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 2001.

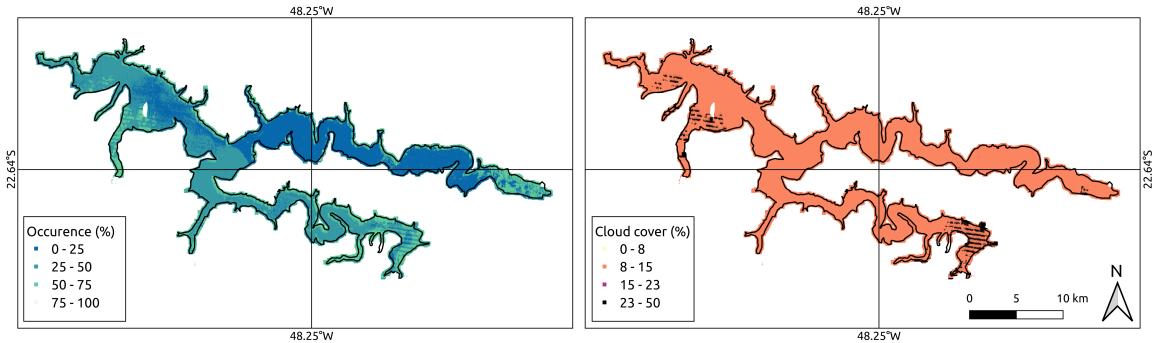


Figure 18: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 2002.

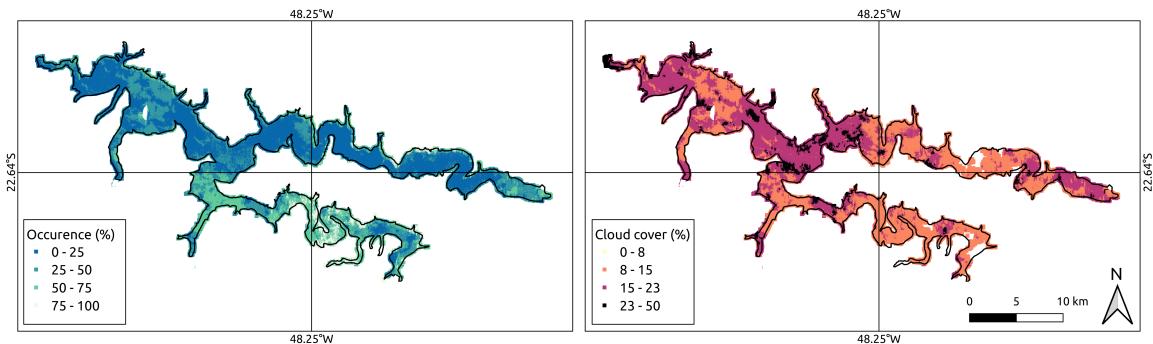


Figure 19: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 2003.

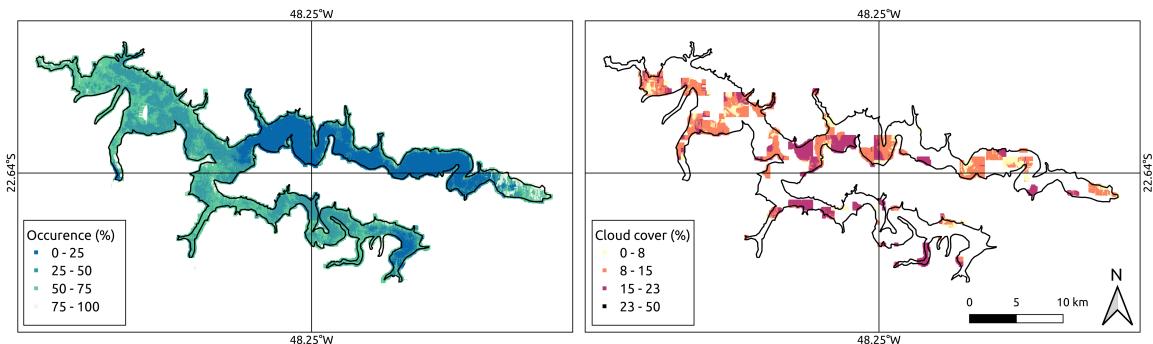


Figure 20: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 2004.

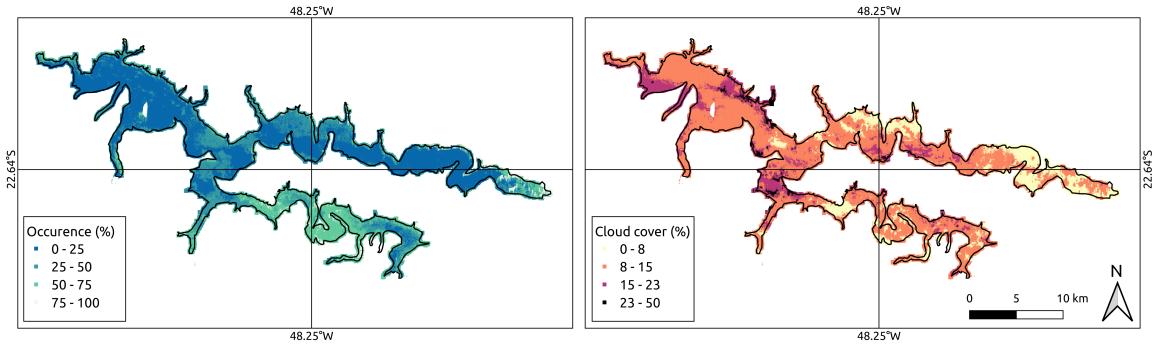


Figure 21: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 2005.

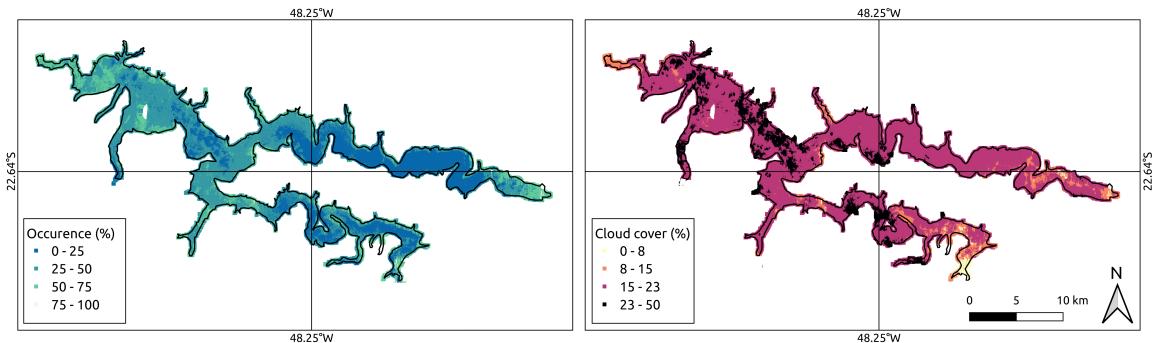


Figure 22: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 2006.

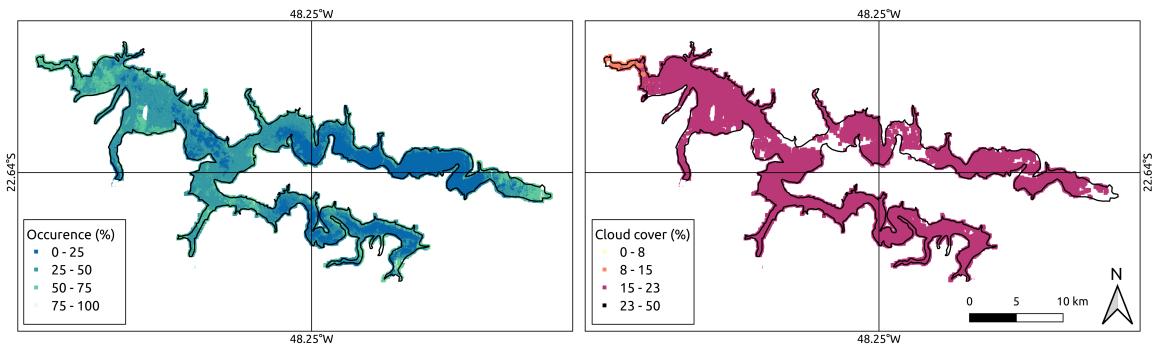


Figure 23: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 2007.

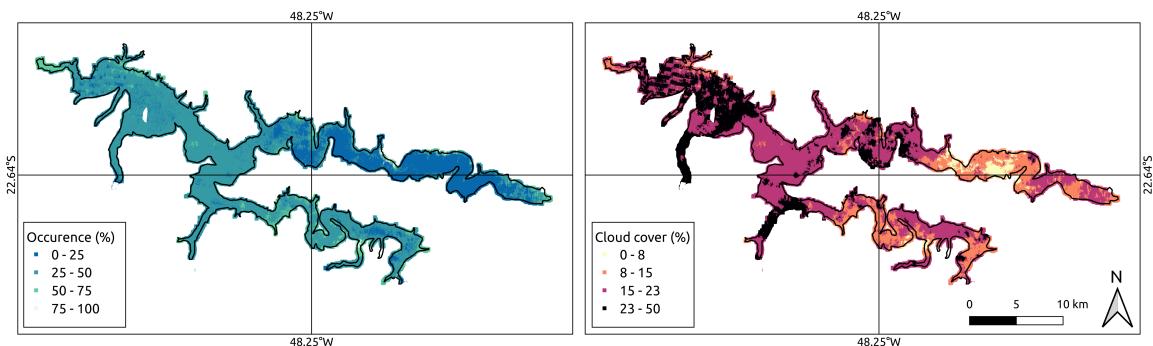


Figure 24: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 2008.

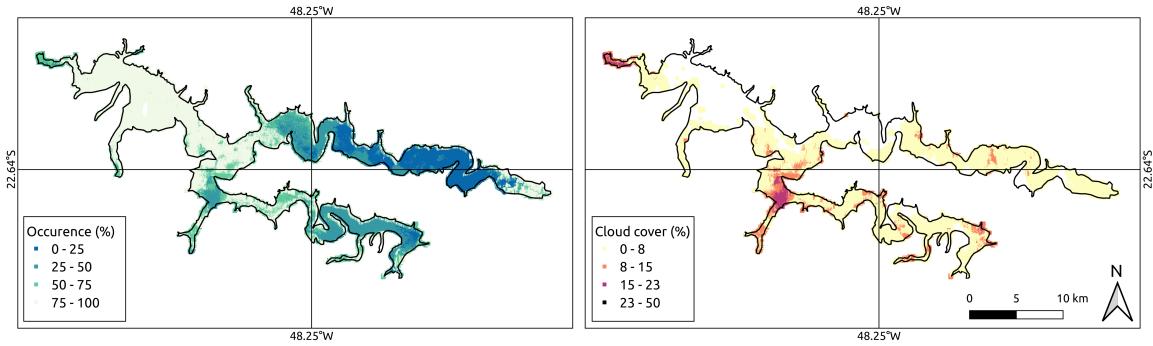


Figure 25: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 2009.

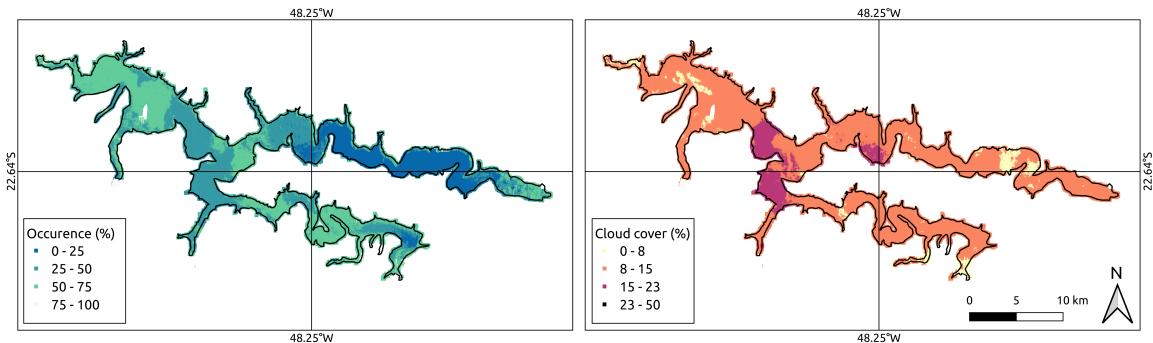


Figure 26: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 2010.

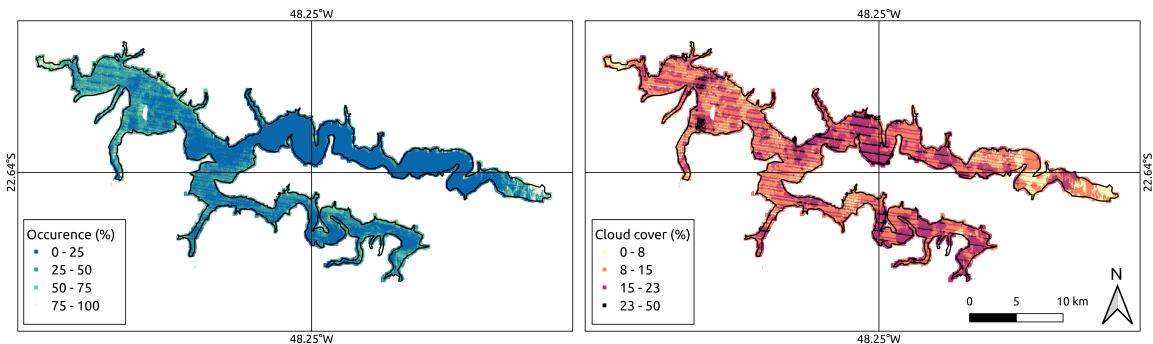


Figure 27: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 2011.

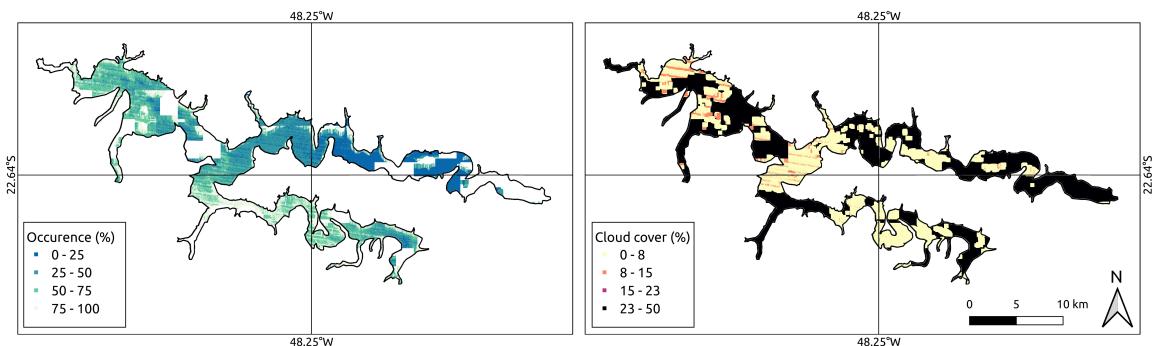


Figure 28: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 2012.

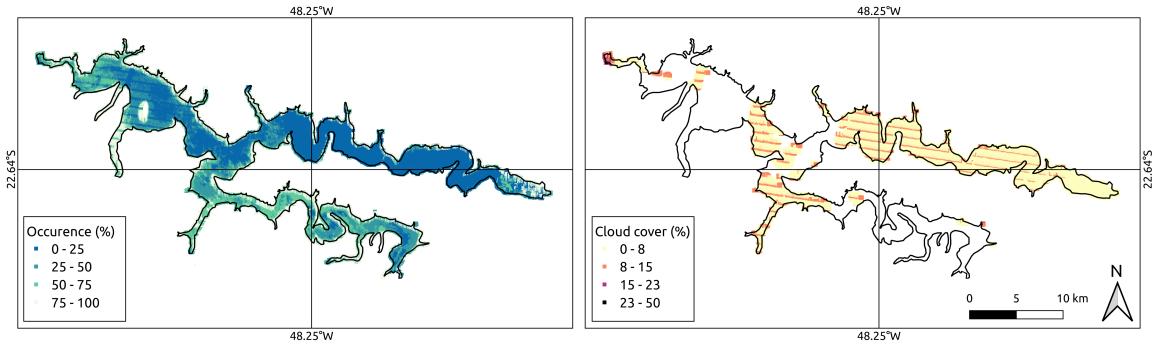


Figure 29: Phytoplankton bloom occurence (left) and cloud/shadow cover (right) – 2013.

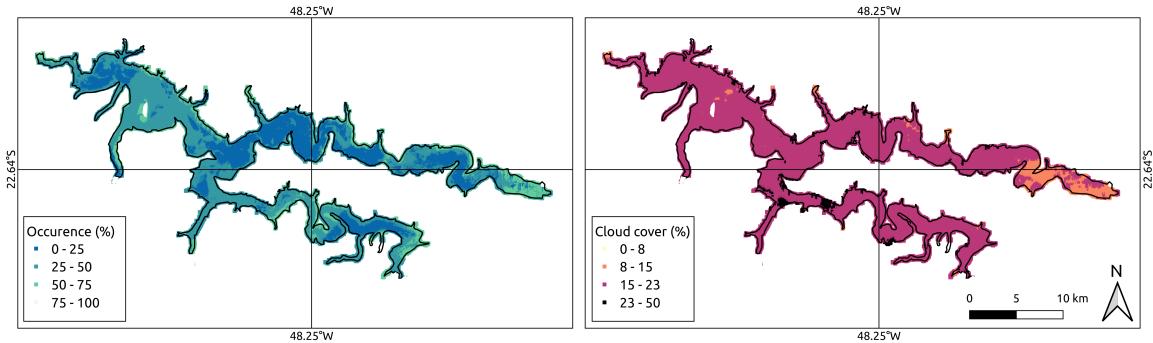


Figure 30: Phytoplankton bloom occurence (left) and cloud/shadow cover (right) – 2014.

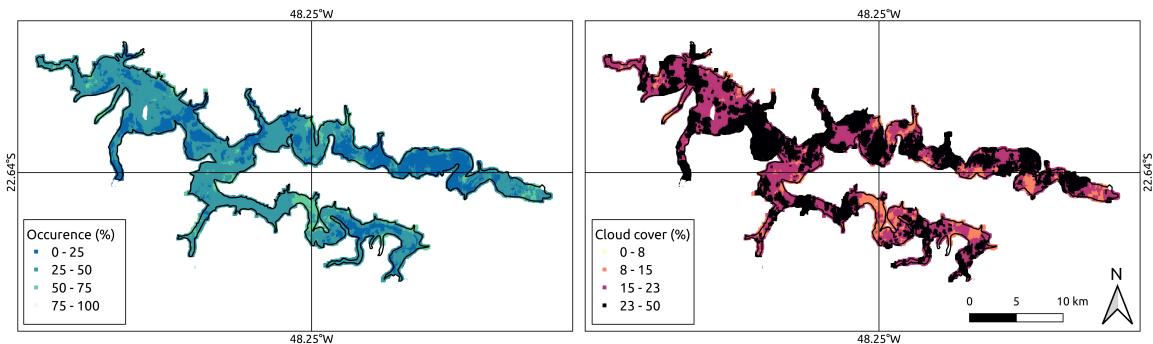


Figure 31: Phytoplankton bloom occurence (left) and cloud/shadow cover (right) – 2015.

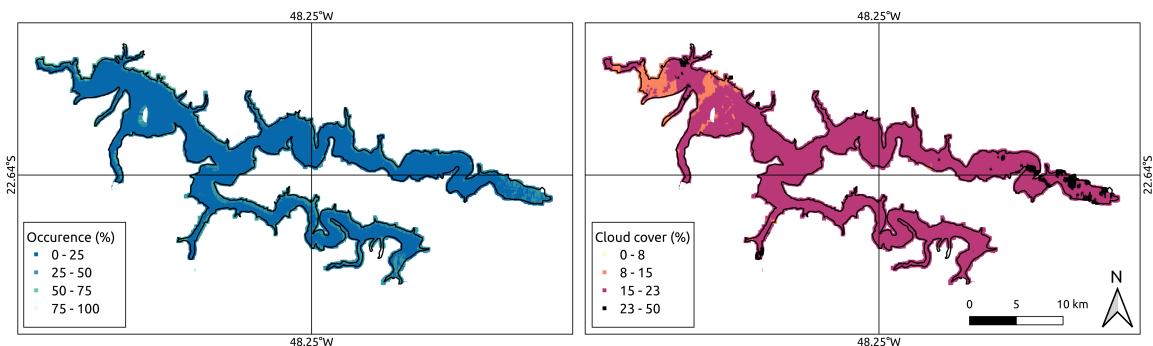


Figure 32: Phytoplankton bloom occurence (left) and cloud/shadow cover (right) – 2016.

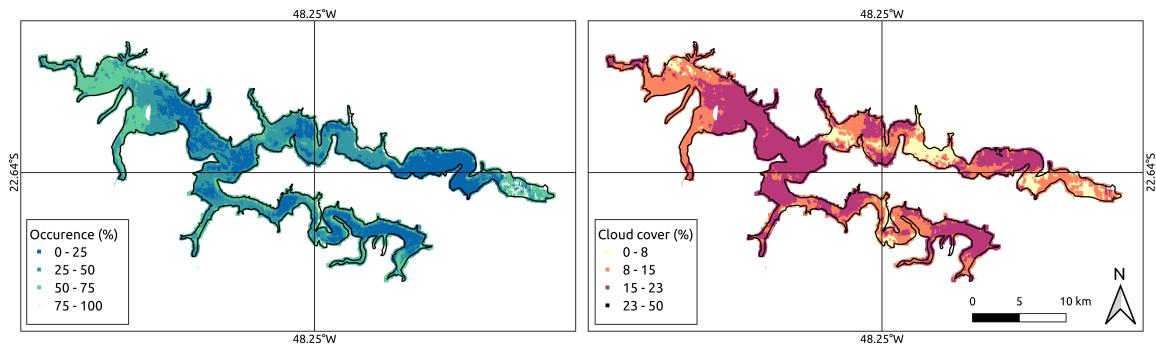


Figure 33: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 2017.

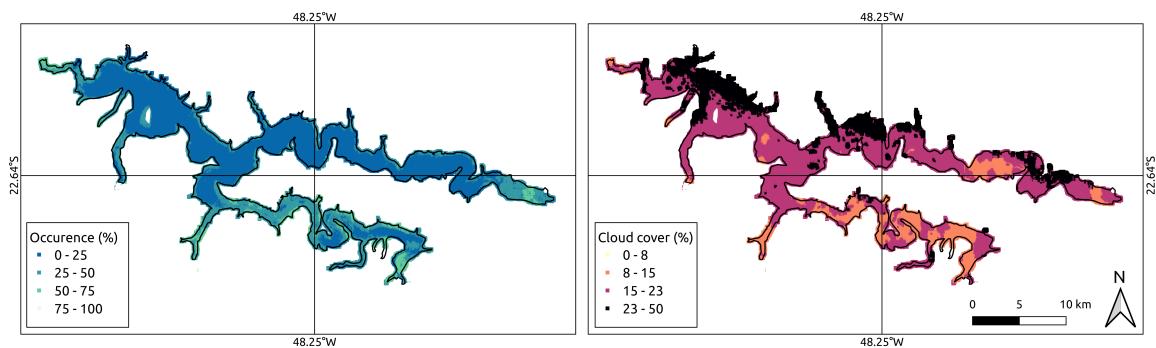


Figure 34: Phytoplankton bloom occurrence (left) and cloud/shadow cover (right) – 2018.