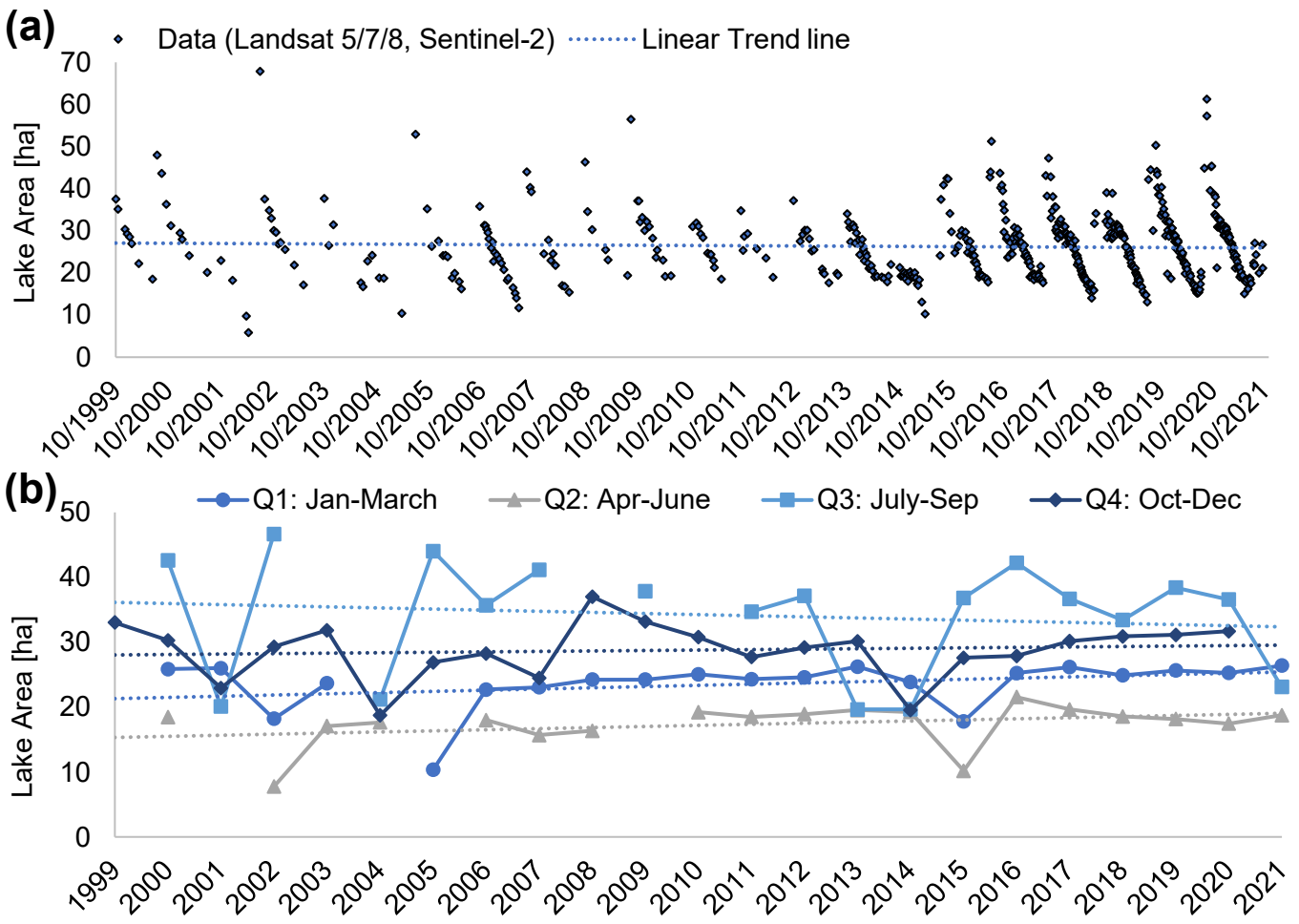
(a)
Data (Landsat 5/7/8, Sentinel-2)
Linear Trend line
Lake Area [ha]
70
60
50
40
30
20
10
0
10/1999
10/2000
10/2001
10/2002
10/2003
10/2004
10/2005
10/2006
10/2007
10/2008
10/2009
10/2010
10/2011
10/2012
10/2013
10/2014
10/2015
10/2016
10/2017
10/2018
10/2019
10/2020
10/2021
(b)
Q1: Jan-March
Q2: Apr-June
Q3: July-Sep
Q4: Oct-Dec
Lake Area [ha]
50
40
30
20
10
0
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021