**Supplementary information**

**Average width**

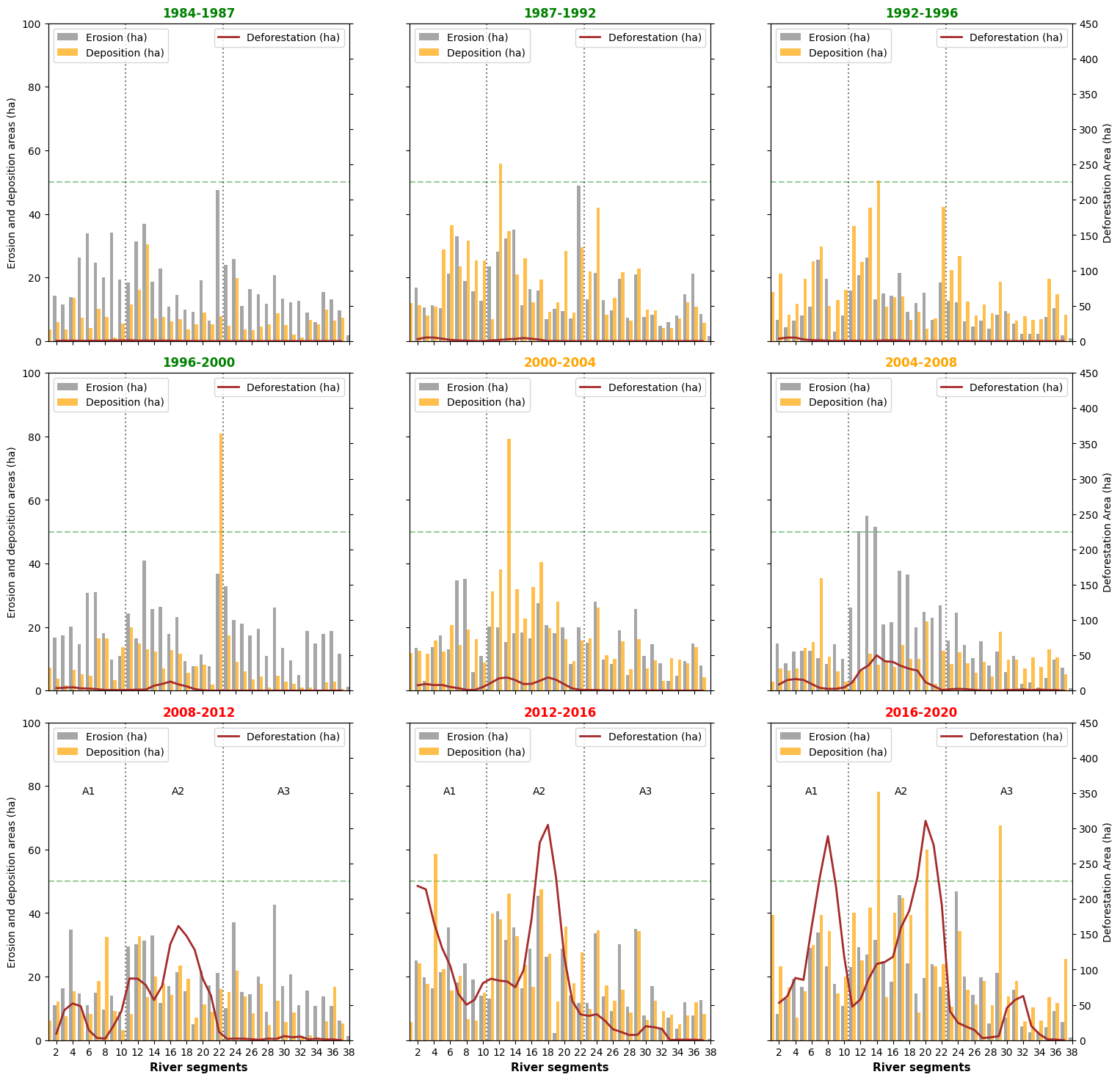
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ASGM-impact period** | **Year** | **Section A1** | **Section A2** | **Section A3** | **Total** |
| Minimal mining | 1984 | 115.7 | 114.5 | 164.9 | 131.7 |
| 1987 | 147.1 | 129.8 | 182.4 | 153.1 |
| 1992 | 146.0 | 125.7 | 179.0 | 150.2 |
| 1996 | 110.1 | 122.1 | 163.9 | 132.0 |
| 2000 | 157.1 | 147.8 | 186.3 | 163.7 |
| **Median per period** | **146.0** | **125.7** | **179.0** | **150.2** |
| Moderate mining | 2004 | 116.8 | 144.0 | 183.2 | 148.0 |
| 2008 | 142.3 | 191.9 | 184.7 | 173.0 |
| **Median per period** | **129.5** | **168.0** | **184.0** | **160.5** |
| Intensive mining | 2012 | 155.3 | 182.6 | 192.2 | 176.7 |
| 2016 | 176.6 | 190.5 | 187.6 | 184.9 |
| 2020 | 158.5 | 191.5 | 180.0 | 176.7 |
| **Median per period** | **158.5** | **190.5** | **187.6** | **178.9** |
| **Total** | | **143.0** | **155.7** | **181.1** | **160.0** |

Table 1. Average width medians per period and sub-periods

**Erosion and deposition**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ASGM-impact Period** | **Sub-period** | **Erosion (ha)** | | | **Deposition (ha)** | | |
| **A1** | **A2** | **A3** | **A1** | **A2** | **A3** |
| Minimal mining | 1984-1987 | 206.4 | 245.8 | 217.4 | 62.4 | 116.7 | 95.5 |
| 1987-1992 | 162.5 | 245.3 | 186.3 | 212.9 | 264.4 | 205.3 |
| 1992-1996 | 99.4 | 188.6 | 96.8 | 171.3 | 261.8 | 189.1 |
| 1996-2000 | 183.3 | 247.6 | 260.9 | 79.2 | 195.7 | 64.5 |
| Moderate mining | 2000-2004 | 155.4 | 222.3 | 184.8 | 143.1 | 365.0 | 169.2 |
| 2004-2008 | 114.9 | 393.8 | 145.0 | 106.7 | 117.3 | 139.8 |
| Intensive mining | 2008-2012 | 142.1 | 254.7 | 255.2 | 122.7 | 193.3 | 140.5 |
| 2012-2016 | 224.3 | 294.7 | 215.9 | 191.8 | 365.7 | 203.2 |
| 2016-2020 | 180.3 | 299.0 | 195.0 | 240.0 | 438.8 | 275.1 |

**Table 2.** Erosion and deposition areas (ha) per sub-periods and river section.

****

**Figure 1.** Erosion and deposition areas (ha) per sub-periods and river section.

**Migration**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ASGM-impact period** | **Sub-periods** | **A2** | **A3** | **Total** |
| Minimal mining | 1984-1987 | 11.01 | 13.15 | 12.77 |
| 1987-1992 | 10.39 | 7.00 | 8.29 |
| 1992-1996 | 8.27 | 5.48 | 6.41 |
| 1996-2000 | 6.94 | 4.73 | 5.33 |
| **Median per period** | **8.56** | **5.96** | **7.26** |
| Moderate mining | 2000-2004 | 12.32 | 6.05 | 7.14 |
| 2004-2008 | 9.86 | 4.86 | 5.82 |
| **Median per period** | **11.09** | **5.45** | **8.27** |
| Intensive mining | 2008-2012 | 9.93 | 5.55 | 6.53 |
| 2012-2016 | 13.08 | 7.97 | 9.10 |
| 2016-2020 | 15.65 | 9.05 | 10.48 |
| **Median per period** | **11.15** | **6.67** | **8.91** |
| **Total** | | **9.20** | **5.92** | **8.27** |

**Table 3**. Migration rates medians per period and sub-periods

**Satellite images catalog**

| **Year** | **ID** | **Satellite** | **Path** | **Row** | **Date of acquisition** |
| --- | --- | --- | --- | --- | --- |
| 1984 | LT05\_002069\_19840426 | Landsat 5 | 002 | 069 | 4/26/1984 |
| 1984 | LT05\_002069\_19840901 | Landsat 5 | 002 | 069 | 9/1/1984 |
| 1984 | LT05\_003069\_19840620 | Landsat 5 | 003 | 069 | 6/20/1984 |
| 1984 | LT05\_003069\_19840706 | Landsat 5 | 003 | 069 | 7/6/1984 |
| 1984 | LT05\_003069\_19840722 | Landsat 5 | 003 | 069 | 7/22/1984 |
| 1984 | LT05\_003069\_19840807 | Landsat 5 | 003 | 069 | 8/7/1984 |
| 1984 | LT05\_003069\_19841010 | Landsat 5 | 003 | 069 | 10/10/1984 |
| 1987 | LT05\_002069\_19870302 | Landsat 5 | 002 | 069 | 3/2/1987 |
| 1987 | LT05\_002069\_19870318 | Landsat 5 | 002 | 069 | 3/18/1987 |
| 1987 | LT05\_002069\_19870521 | Landsat 5 | 002 | 069 | 5/21/1987 |
| 1987 | LT05\_002069\_19870622 | Landsat 5 | 002 | 069 | 6/22/1987 |
| 1987 | LT05\_002069\_19870708 | Landsat 5 | 002 | 069 | 7/8/1987 |
| 1987 | LT05\_002069\_19870724 | Landsat 5 | 002 | 069 | 7/24/1987 |
| 1987 | LT05\_002069\_19870809 | Landsat 5 | 002 | 069 | 8/9/1987 |
| 1987 | LT05\_002069\_19870825 | Landsat 5 | 002 | 069 | 8/25/1987 |
| 1987 | LT05\_002069\_19870926 | Landsat 5 | 002 | 069 | 9/26/1987 |
| 1987 | LT05\_002069\_19871012 | Landsat 5 | 002 | 069 | 10/12/1987 |
| 1987 | LT05\_003069\_19870309 | Landsat 5 | 003 | 069 | 3/9/1987 |
| 1987 | LT05\_003069\_19870325 | Landsat 5 | 003 | 069 | 3/25/1987 |
| 1987 | LT05\_003069\_19870410 | Landsat 5 | 003 | 069 | 4/10/1987 |
| 1987 | LT05\_003069\_19870426 | Landsat 5 | 003 | 069 | 4/26/1987 |
| 1987 | LT05\_003069\_19870512 | Landsat 5 | 003 | 069 | 5/12/1987 |
| 1987 | LT05\_003069\_19870613 | Landsat 5 | 003 | 069 | 6/13/1987 |
| 1987 | LT05\_003069\_19870629 | Landsat 5 | 003 | 069 | 6/29/1987 |
| 1987 | LT05\_003069\_19870816 | Landsat 5 | 003 | 069 | 8/16/1987 |
| 1987 | LT05\_003069\_19870901 | Landsat 5 | 003 | 069 | 9/1/1987 |
| 1992 | LT05\_002069\_19920331 | Landsat 5 | 002 | 069 | 3/31/1992 |
| 1992 | LT05\_002069\_19920416 | Landsat 5 | 002 | 069 | 4/16/1992 |
| 1992 | LT05\_002069\_19920619 | Landsat 5 | 002 | 069 | 6/19/1992 |
| 1992 | LT05\_002069\_19920705 | Landsat 5 | 002 | 069 | 7/5/1992 |
| 1992 | LT05\_002069\_19920721 | Landsat 5 | 002 | 069 | 7/21/1992 |
| 1992 | LT05\_002069\_19920806 | Landsat 5 | 002 | 069 | 8/6/1992 |
| 1992 | LT05\_002069\_19920907 | Landsat 5 | 002 | 069 | 9/7/1992 |
| 1992 | LT05\_002069\_19920923 | Landsat 5 | 002 | 069 | 9/23/1992 |
| 1992 | LT05\_002069\_19921025 | Landsat 5 | 002 | 069 | 10/25/1992 |
| 1992 | LT05\_003069\_19920322 | Landsat 5 | 003 | 069 | 3/22/1992 |
| 1992 | LT05\_003069\_19920423 | Landsat 5 | 003 | 069 | 4/23/1992 |
| 1992 | LT05\_003069\_19920509 | Landsat 5 | 003 | 069 | 5/9/1992 |
| 1992 | LT05\_003069\_19920610 | Landsat 5 | 003 | 069 | 6/10/1992 |
| 1992 | LT05\_003069\_19920626 | Landsat 5 | 003 | 069 | 6/26/1992 |
| 1992 | LT05\_003069\_19920813 | Landsat 5 | 003 | 069 | 8/13/1992 |
| 1992 | LT05\_003069\_19920914 | Landsat 5 | 003 | 069 | 9/14/1992 |
| 1992 | LT05\_003069\_19920930 | Landsat 5 | 003 | 069 | 9/30/1992 |
| 1996 | LT05\_002069\_19960310 | Landsat 5 | 002 | 069 | 3/10/1996 |
| 1996 | LT05\_002069\_19960427 | Landsat 5 | 002 | 069 | 4/27/1996 |
| 1996 | LT05\_002069\_19960513 | Landsat 5 | 002 | 069 | 5/13/1996 |
| 1996 | LT05\_002069\_19960529 | Landsat 5 | 002 | 069 | 5/29/1996 |
| 1996 | LT05\_002069\_19960614 | Landsat 5 | 002 | 069 | 6/14/1996 |
| 1996 | LT05\_002069\_19960630 | Landsat 5 | 002 | 069 | 6/30/1996 |
| 1996 | LT05\_002069\_19960716 | Landsat 5 | 002 | 069 | 7/16/1996 |
| 1996 | LT05\_002069\_19960801 | Landsat 5 | 002 | 069 | 8/1/1996 |
| 1996 | LT05\_002069\_19960817 | Landsat 5 | 002 | 069 | 8/17/1996 |
| 1996 | LT05\_002069\_19960902 | Landsat 5 | 002 | 069 | 9/2/1996 |
| 1996 | LT05\_002069\_19961004 | Landsat 5 | 002 | 069 | 10/4/1996 |
| 1996 | LT05\_002069\_19961020 | Landsat 5 | 002 | 069 | 10/20/1996 |
| 1996 | LT05\_003069\_19960402 | Landsat 5 | 003 | 069 | 4/2/1996 |
| 1996 | LT05\_003069\_19960418 | Landsat 5 | 003 | 069 | 4/18/1996 |
| 1996 | LT05\_003069\_19960504 | Landsat 5 | 003 | 069 | 5/4/1996 |
| 1996 | LT05\_003069\_19960520 | Landsat 5 | 003 | 069 | 5/20/1996 |
| 1996 | LT05\_003069\_19960605 | Landsat 5 | 003 | 069 | 6/5/1996 |
| 1996 | LT05\_003069\_19960621 | Landsat 5 | 003 | 069 | 6/21/1996 |
| 1996 | LT05\_003069\_19960707 | Landsat 5 | 003 | 069 | 7/7/1996 |
| 1996 | LT05\_003069\_19960723 | Landsat 5 | 003 | 069 | 7/23/1996 |
| 1996 | LT05\_003069\_19960808 | Landsat 5 | 003 | 069 | 8/8/1996 |
| 1996 | LT05\_003069\_19960824 | Landsat 5 | 003 | 069 | 8/24/1996 |
| 1996 | LT05\_003069\_19960909 | Landsat 5 | 003 | 069 | 9/9/1996 |
| 1996 | LT05\_003069\_19961011 | Landsat 5 | 003 | 069 | 10/11/1996 |
| 1996 | LT05\_003069\_19961027 | Landsat 5 | 003 | 069 | 10/27/1996 |
| 2000 | LE07\_002069\_20000313 | Landsat 7 | 002 | 069 | 3/13/2000 |
| 2000 | LE07\_002069\_20000414 | Landsat 7 | 002 | 069 | 4/14/2000 |
| 2000 | LE07\_002069\_20000430 | Landsat 7 | 002 | 069 | 4/30/2000 |
| 2000 | LE07\_002069\_20000516 | Landsat 7 | 002 | 069 | 5/16/2000 |
| 2000 | LE07\_002069\_20000601 | Landsat 7 | 002 | 069 | 6/1/2000 |
| 2000 | LE07\_002069\_20000703 | Landsat 7 | 002 | 069 | 7/3/2000 |
| 2000 | LE07\_002069\_20000719 | Landsat 7 | 002 | 069 | 7/19/2000 |
| 2000 | LE07\_002069\_20000804 | Landsat 7 | 002 | 069 | 8/4/2000 |
| 2000 | LE07\_002069\_20000820 | Landsat 7 | 002 | 069 | 8/20/2000 |
| 2000 | LE07\_002069\_20000905 | Landsat 7 | 002 | 069 | 9/5/2000 |
| 2000 | LE07\_002069\_20000921 | Landsat 7 | 002 | 069 | 9/21/2000 |
| 2000 | LE07\_002069\_20001007 | Landsat 7 | 002 | 069 | 10/7/2000 |
| 2000 | LE07\_002069\_20001023 | Landsat 7 | 002 | 069 | 10/23/2000 |
| 2000 | LE07\_003069\_20000405 | Landsat 7 | 003 | 069 | 4/5/2000 |
| 2000 | LE07\_003069\_20000421 | Landsat 7 | 003 | 069 | 4/21/2000 |
| 2000 | LE07\_003069\_20000507 | Landsat 7 | 003 | 069 | 5/7/2000 |
| 2000 | LE07\_003069\_20000523 | Landsat 7 | 003 | 069 | 5/23/2000 |
| 2000 | LE07\_003069\_20000624 | Landsat 7 | 003 | 069 | 6/24/2000 |
| 2000 | LE07\_003069\_20000726 | Landsat 7 | 003 | 069 | 7/26/2000 |
| 2000 | LE07\_003069\_20000827 | Landsat 7 | 003 | 069 | 8/27/2000 |
| 2000 | LE07\_003069\_20000912 | Landsat 7 | 003 | 069 | 9/12/2000 |
| 2000 | LE07\_003069\_20000928 | Landsat 7 | 003 | 069 | 9/28/2000 |
| 2000 | LE07\_003069\_20001014 | Landsat 7 | 003 | 069 | 10/14/2000 |
| 2004 | LE07\_002069\_20040511 | Landsat 7 | 002 | 069 | 5/11/2004 |
| 2004 | LE07\_002069\_20040628 | Landsat 7 | 002 | 069 | 6/28/2004 |
| 2004 | LE07\_002069\_20040714 | Landsat 7 | 002 | 069 | 7/14/2004 |
| 2004 | LE07\_002069\_20040815 | Landsat 7 | 002 | 069 | 8/15/2004 |
| 2004 | LE07\_002069\_20040831 | Landsat 7 | 002 | 069 | 8/31/2004 |
| 2004 | LE07\_002069\_20040916 | Landsat 7 | 002 | 069 | 9/16/2004 |
| 2004 | LE07\_002069\_20041002 | Landsat 7 | 002 | 069 | 10/2/2004 |
| 2004 | LE07\_002069\_20041018 | Landsat 7 | 002 | 069 | 10/18/2004 |
| 2004 | LE07\_003069\_20040315 | Landsat 7 | 003 | 069 | 3/15/2004 |
| 2004 | LE07\_003069\_20040518 | Landsat 7 | 003 | 069 | 5/18/2004 |
| 2004 | LE07\_003069\_20040603 | Landsat 7 | 003 | 069 | 6/3/2004 |
| 2004 | LE07\_003069\_20040619 | Landsat 7 | 003 | 069 | 6/19/2004 |
| 2004 | LE07\_003069\_20040705 | Landsat 7 | 003 | 069 | 7/5/2004 |
| 2004 | LE07\_003069\_20040721 | Landsat 7 | 003 | 069 | 7/21/2004 |
| 2004 | LE07\_003069\_20040806 | Landsat 7 | 003 | 069 | 8/6/2004 |
| 2004 | LE07\_003069\_20040822 | Landsat 7 | 003 | 069 | 8/22/2004 |
| 2004 | LE07\_003069\_20040907 | Landsat 7 | 003 | 069 | 9/7/2004 |
| 2004 | LE07\_003069\_20040923 | Landsat 7 | 003 | 069 | 9/23/2004 |
| 2004 | LE07\_003069\_20041009 | Landsat 7 | 003 | 069 | 10/9/2004 |
| 2004 | LE07\_003069\_20041025 | Landsat 7 | 003 | 069 | 10/25/2004 |
| 2008 | LE07\_002069\_20080420 | Landsat 7 | 002 | 069 | 4/20/2008 |
| 2008 | LE07\_002069\_20080506 | Landsat 7 | 002 | 069 | 5/6/2008 |
| 2008 | LE07\_002069\_20080522 | Landsat 7 | 002 | 069 | 5/22/2008 |
| 2008 | LE07\_002069\_20080607 | Landsat 7 | 002 | 069 | 6/7/2008 |
| 2008 | LE07\_002069\_20080725 | Landsat 7 | 002 | 069 | 7/25/2008 |
| 2008 | LE07\_002069\_20080810 | Landsat 7 | 002 | 069 | 8/10/2008 |
| 2008 | LE07\_002069\_20080826 | Landsat 7 | 002 | 069 | 8/26/2008 |
| 2008 | LE07\_002069\_20080911 | Landsat 7 | 002 | 069 | 9/11/2008 |
| 2008 | LE07\_002069\_20080927 | Landsat 7 | 002 | 069 | 9/27/2008 |
| 2008 | LE07\_002069\_20081013 | Landsat 7 | 002 | 069 | 10/13/2008 |
| 2008 | LE07\_002069\_20081029 | Landsat 7 | 002 | 069 | 10/29/2008 |
| 2008 | LE07\_003069\_20080326 | Landsat 7 | 003 | 069 | 3/26/2008 |
| 2008 | LE07\_003069\_20080411 | Landsat 7 | 003 | 069 | 4/11/2008 |
| 2008 | LE07\_003069\_20080427 | Landsat 7 | 003 | 069 | 4/27/2008 |
| 2008 | LE07\_003069\_20080513 | Landsat 7 | 003 | 069 | 5/13/2008 |
| 2008 | LE07\_003069\_20080529 | Landsat 7 | 003 | 069 | 5/29/2008 |
| 2008 | LE07\_003069\_20080614 | Landsat 7 | 003 | 069 | 6/14/2008 |
| 2008 | LE07\_003069\_20080630 | Landsat 7 | 003 | 069 | 6/30/2008 |
| 2008 | LE07\_003069\_20080716 | Landsat 7 | 003 | 069 | 7/16/2008 |
| 2008 | LE07\_003069\_20080801 | Landsat 7 | 003 | 069 | 8/1/2008 |
| 2008 | LE07\_003069\_20080817 | Landsat 7 | 003 | 069 | 8/17/2008 |
| 2008 | LE07\_003069\_20080902 | Landsat 7 | 003 | 069 | 9/2/2008 |
| 2008 | LE07\_003069\_20080918 | Landsat 7 | 003 | 069 | 9/18/2008 |
| 2008 | LE07\_003069\_20081020 | Landsat 7 | 003 | 069 | 10/20/2008 |
| 2012 | LE07\_002069\_20120314 | Landsat 7 | 002 | 069 | 3/14/2012 |
| 2012 | LE07\_002069\_20120330 | Landsat 7 | 002 | 069 | 3/30/2012 |
| 2012 | LE07\_002069\_20120415 | Landsat 7 | 002 | 069 | 4/15/2012 |
| 2012 | LE07\_002069\_20120501 | Landsat 7 | 002 | 069 | 5/1/2012 |
| 2012 | LE07\_002069\_20120602 | Landsat 7 | 002 | 069 | 6/2/2012 |
| 2012 | LE07\_002069\_20120618 | Landsat 7 | 002 | 069 | 6/18/2012 |
| 2012 | LE07\_002069\_20120720 | Landsat 7 | 002 | 069 | 7/20/2012 |
| 2012 | LE07\_002069\_20120805 | Landsat 7 | 002 | 069 | 8/5/2012 |
| 2012 | LE07\_002069\_20120821 | Landsat 7 | 002 | 069 | 8/21/2012 |
| 2012 | LE07\_002069\_20120906 | Landsat 7 | 002 | 069 | 9/6/2012 |
| 2012 | LE07\_002069\_20121024 | Landsat 7 | 002 | 069 | 10/24/2012 |
| 2012 | LE07\_003069\_20120305 | Landsat 7 | 003 | 069 | 3/5/2012 |
| 2012 | LE07\_003069\_20120321 | Landsat 7 | 003 | 069 | 3/21/2012 |
| 2012 | LE07\_003069\_20120406 | Landsat 7 | 003 | 069 | 4/6/2012 |
| 2012 | LE07\_003069\_20120508 | Landsat 7 | 003 | 069 | 5/8/2012 |
| 2012 | LE07\_003069\_20120524 | Landsat 7 | 003 | 069 | 5/24/2012 |
| 2012 | LE07\_003069\_20120609 | Landsat 7 | 003 | 069 | 6/9/2012 |
| 2012 | LE07\_003069\_20120625 | Landsat 7 | 003 | 069 | 6/25/2012 |
| 2012 | LE07\_003069\_20120711 | Landsat 7 | 003 | 069 | 7/11/2012 |
| 2012 | LE07\_003069\_20120727 | Landsat 7 | 003 | 069 | 7/27/2012 |
| 2012 | LE07\_003069\_20120812 | Landsat 7 | 003 | 069 | 8/12/2012 |
| 2012 | LE07\_003069\_20120828 | Landsat 7 | 003 | 069 | 8/28/2012 |
| 2012 | LE07\_003069\_20120929 | Landsat 7 | 003 | 069 | 9/29/2012 |
| 2012 | LE07\_003069\_20121015 | Landsat 7 | 003 | 069 | 10/15/2012 |
| 2014 | LC08\_002069\_20140328 | Landsat 8 | 002 | 069 | 3/28/2014 |
| 2014 | LC08\_002069\_20140413 | Landsat 8 | 002 | 069 | 4/13/2014 |
| 2014 | LC08\_002069\_20140515 | Landsat 8 | 002 | 069 | 5/15/2014 |
| 2014 | LC08\_002069\_20140531 | Landsat 8 | 002 | 069 | 5/31/2014 |
| 2014 | LC08\_002069\_20140702 | Landsat 8 | 002 | 069 | 7/2/2014 |
| 2014 | LC08\_002069\_20140718 | Landsat 8 | 002 | 069 | 7/18/2014 |
| 2014 | LC08\_002069\_20140803 | Landsat 8 | 002 | 069 | 8/3/2014 |
| 2014 | LC08\_002069\_20140819 | Landsat 8 | 002 | 069 | 8/19/2014 |
| 2014 | LC08\_002069\_20140904 | Landsat 8 | 002 | 069 | 9/4/2014 |
| 2014 | LC08\_002069\_20140920 | Landsat 8 | 002 | 069 | 9/20/2014 |
| 2014 | LC08\_002069\_20141006 | Landsat 8 | 002 | 069 | 10/6/2014 |
| 2014 | LC08\_002069\_20141022 | Landsat 8 | 002 | 069 | 10/22/2014 |
| 2014 | LC08\_003069\_20140404 | Landsat 8 | 003 | 069 | 4/4/2014 |
| 2014 | LC08\_003069\_20140420 | Landsat 8 | 003 | 069 | 4/20/2014 |
| 2014 | LC08\_003069\_20140506 | Landsat 8 | 003 | 069 | 5/6/2014 |
| 2014 | LC08\_003069\_20140607 | Landsat 8 | 003 | 069 | 6/7/2014 |
| 2014 | LC08\_003069\_20140623 | Landsat 8 | 003 | 069 | 6/23/2014 |
| 2014 | LC08\_003069\_20140709 | Landsat 8 | 003 | 069 | 7/9/2014 |
| 2014 | LC08\_003069\_20140810 | Landsat 8 | 003 | 069 | 8/10/2014 |
| 2014 | LC08\_003069\_20140826 | Landsat 8 | 003 | 069 | 8/26/2014 |
| 2014 | LC08\_003069\_20140927 | Landsat 8 | 003 | 069 | 9/27/2014 |
| 2014 | LC08\_003069\_20141013 | Landsat 8 | 003 | 069 | 10/13/2014 |
| 2014 | LC08\_003069\_20141029 | Landsat 8 | 003 | 069 | 10/29/2014 |
| 2015 | LC08\_002069\_20150315 | Landsat 8 | 002 | 069 | 3/15/2015 |
| 2015 | LC08\_002069\_20150331 | Landsat 8 | 002 | 069 | 3/31/2015 |
| 2015 | LC08\_002069\_20150416 | Landsat 8 | 002 | 069 | 4/16/2015 |
| 2015 | LC08\_002069\_20150518 | Landsat 8 | 002 | 069 | 5/18/2015 |
| 2015 | LC08\_002069\_20150603 | Landsat 8 | 002 | 069 | 6/3/2015 |
| 2015 | LC08\_002069\_20150619 | Landsat 8 | 002 | 069 | 6/19/2015 |
| 2015 | LC08\_002069\_20150721 | Landsat 8 | 002 | 069 | 7/21/2015 |
| 2015 | LC08\_002069\_20150806 | Landsat 8 | 002 | 069 | 8/6/2015 |
| 2015 | LC08\_002069\_20150822 | Landsat 8 | 002 | 069 | 8/22/2015 |
| 2015 | LC08\_002069\_20150907 | Landsat 8 | 002 | 069 | 9/7/2015 |
| 2015 | LC08\_002069\_20150923 | Landsat 8 | 002 | 069 | 9/23/2015 |
| 2015 | LC08\_002069\_20151009 | Landsat 8 | 002 | 069 | 10/9/2015 |
| 2015 | LC08\_002069\_20151025 | Landsat 8 | 002 | 069 | 10/25/2015 |
| 2015 | LC08\_003069\_20150322 | Landsat 8 | 003 | 069 | 3/22/2015 |
| 2015 | LC08\_003069\_20150407 | Landsat 8 | 003 | 069 | 4/7/2015 |
| 2015 | LC08\_003069\_20150423 | Landsat 8 | 003 | 069 | 4/23/2015 |
| 2015 | LC08\_003069\_20150509 | Landsat 8 | 003 | 069 | 5/9/2015 |
| 2015 | LC08\_003069\_20150525 | Landsat 8 | 003 | 069 | 5/25/2015 |
| 2015 | LC08\_003069\_20150610 | Landsat 8 | 003 | 069 | 6/10/2015 |
| 2015 | LC08\_003069\_20150626 | Landsat 8 | 003 | 069 | 6/26/2015 |
| 2015 | LC08\_003069\_20150712 | Landsat 8 | 003 | 069 | 7/12/2015 |
| 2015 | LC08\_003069\_20150728 | Landsat 8 | 003 | 069 | 7/28/2015 |
| 2015 | LC08\_003069\_20150829 | Landsat 8 | 003 | 069 | 8/29/2015 |
| 2015 | LC08\_003069\_20150914 | Landsat 8 | 003 | 069 | 9/14/2015 |
| 2015 | LC08\_003069\_20150930 | Landsat 8 | 003 | 069 | 9/30/2015 |
| 2015 | LC08\_003069\_20151016 | Landsat 8 | 003 | 069 | 10/16/2015 |
| 2016 | LC08\_002069\_20160301 | Landsat 8 | 002 | 069 | 3/1/2016 |
| 2016 | LC08\_002069\_20160317 | Landsat 8 | 002 | 069 | 3/17/2016 |
| 2016 | LC08\_002069\_20160402 | Landsat 8 | 002 | 069 | 4/2/2016 |
| 2016 | LC08\_002069\_20160418 | Landsat 8 | 002 | 069 | 4/18/2016 |
| 2016 | LC08\_002069\_20160504 | Landsat 8 | 002 | 069 | 5/4/2016 |
| 2016 | LC08\_002069\_20160520 | Landsat 8 | 002 | 069 | 5/20/2016 |
| 2016 | LC08\_002069\_20160605 | Landsat 8 | 002 | 069 | 6/5/2016 |
| 2016 | LC08\_002069\_20160621 | Landsat 8 | 002 | 069 | 6/21/2016 |
| 2016 | LC08\_002069\_20160723 | Landsat 8 | 002 | 069 | 7/23/2016 |
| 2016 | LC08\_002069\_20160808 | Landsat 8 | 002 | 069 | 8/8/2016 |
| 2016 | LC08\_002069\_20160824 | Landsat 8 | 002 | 069 | 8/24/2016 |
| 2016 | LC08\_002069\_20160909 | Landsat 8 | 002 | 069 | 9/9/2016 |
| 2016 | LC08\_002069\_20160925 | Landsat 8 | 002 | 069 | 9/25/2016 |
| 2016 | LC08\_003069\_20160308 | Landsat 8 | 003 | 069 | 3/8/2016 |
| 2016 | LC08\_003069\_20160324 | Landsat 8 | 003 | 069 | 3/24/2016 |
| 2016 | LC08\_003069\_20160409 | Landsat 8 | 003 | 069 | 4/9/2016 |
| 2016 | LC08\_003069\_20160425 | Landsat 8 | 003 | 069 | 4/25/2016 |
| 2016 | LC08\_003069\_20160511 | Landsat 8 | 003 | 069 | 5/11/2016 |
| 2016 | LC08\_003069\_20160527 | Landsat 8 | 003 | 069 | 5/27/2016 |
| 2016 | LC08\_003069\_20160612 | Landsat 8 | 003 | 069 | 6/12/2016 |
| 2016 | LC08\_003069\_20160628 | Landsat 8 | 003 | 069 | 6/28/2016 |
| 2016 | LC08\_003069\_20160714 | Landsat 8 | 003 | 069 | 7/14/2016 |
| 2016 | LC08\_003069\_20160730 | Landsat 8 | 003 | 069 | 7/30/2016 |
| 2016 | LC08\_003069\_20160815 | Landsat 8 | 003 | 069 | 8/15/2016 |
| 2016 | LC08\_003069\_20160831 | Landsat 8 | 003 | 069 | 8/31/2016 |
| 2016 | LC08\_003069\_20160916 | Landsat 8 | 003 | 069 | 9/16/2016 |
| 2016 | LC08\_003069\_20161018 | Landsat 8 | 003 | 069 | 10/18/2016 |
| 2017 | LC08\_002069\_20170304 | Landsat 8 | 002 | 069 | 3/4/2017 |
| 2017 | LC08\_002069\_20170320 | Landsat 8 | 002 | 069 | 3/20/2017 |
| 2017 | LC08\_002069\_20170405 | Landsat 8 | 002 | 069 | 4/5/2017 |
| 2017 | LC08\_002069\_20170421 | Landsat 8 | 002 | 069 | 4/21/2017 |
| 2017 | LC08\_002069\_20170507 | Landsat 8 | 002 | 069 | 5/7/2017 |
| 2017 | LC08\_002069\_20170608 | Landsat 8 | 002 | 069 | 6/8/2017 |
| 2017 | LC08\_002069\_20170624 | Landsat 8 | 002 | 069 | 6/24/2017 |
| 2017 | LC08\_002069\_20170710 | Landsat 8 | 002 | 069 | 7/10/2017 |
| 2017 | LC08\_002069\_20170726 | Landsat 8 | 002 | 069 | 7/26/2017 |
| 2017 | LC08\_002069\_20170811 | Landsat 8 | 002 | 069 | 8/11/2017 |
| 2017 | LC08\_002069\_20170827 | Landsat 8 | 002 | 069 | 8/27/2017 |
| 2017 | LC08\_002069\_20170928 | Landsat 8 | 002 | 069 | 9/28/2017 |
| 2017 | LC08\_003069\_20170311 | Landsat 8 | 003 | 069 | 3/11/2017 |
| 2017 | LC08\_003069\_20170327 | Landsat 8 | 003 | 069 | 3/27/2017 |
| 2017 | LC08\_003069\_20170428 | Landsat 8 | 003 | 069 | 4/28/2017 |
| 2017 | LC08\_003069\_20170514 | Landsat 8 | 003 | 069 | 5/14/2017 |
| 2017 | LC08\_003069\_20170530 | Landsat 8 | 003 | 069 | 5/30/2017 |
| 2017 | LC08\_003069\_20170615 | Landsat 8 | 003 | 069 | 6/15/2017 |
| 2017 | LC08\_003069\_20170701 | Landsat 8 | 003 | 069 | 7/1/2017 |
| 2017 | LC08\_003069\_20170717 | Landsat 8 | 003 | 069 | 7/17/2017 |
| 2017 | LC08\_003069\_20170802 | Landsat 8 | 003 | 069 | 8/2/2017 |
| 2017 | LC08\_003069\_20170903 | Landsat 8 | 003 | 069 | 9/3/2017 |
| 2017 | LC08\_003069\_20170919 | Landsat 8 | 003 | 069 | 9/19/2017 |
| 2017 | LC08\_003069\_20171005 | Landsat 8 | 003 | 069 | 10/5/2017 |
| 2017 | LC08\_003069\_20171021 | Landsat 8 | 003 | 069 | 10/21/2017 |
| 2018 | LC08\_002069\_20180323 | Landsat 8 | 002 | 069 | 3/23/2018 |
| 2018 | LC08\_002069\_20180424 | Landsat 8 | 002 | 069 | 4/24/2018 |
| 2018 | LC08\_002069\_20180510 | Landsat 8 | 002 | 069 | 5/10/2018 |
| 2018 | LC08\_002069\_20180526 | Landsat 8 | 002 | 069 | 5/26/2018 |
| 2018 | LC08\_002069\_20180611 | Landsat 8 | 002 | 069 | 6/11/2018 |
| 2018 | LC08\_002069\_20180627 | Landsat 8 | 002 | 069 | 6/27/2018 |
| 2018 | LC08\_002069\_20180713 | Landsat 8 | 002 | 069 | 7/13/2018 |
| 2018 | LC08\_002069\_20180729 | Landsat 8 | 002 | 069 | 7/29/2018 |
| 2018 | LC08\_002069\_20180814 | Landsat 8 | 002 | 069 | 8/14/2018 |
| 2018 | LC08\_002069\_20180830 | Landsat 8 | 002 | 069 | 8/30/2018 |
| 2018 | LC08\_002069\_20180915 | Landsat 8 | 002 | 069 | 9/15/2018 |
| 2018 | LC08\_002069\_20181001 | Landsat 8 | 002 | 069 | 10/1/2018 |
| 2018 | LC08\_002069\_20181017 | Landsat 8 | 002 | 069 | 10/17/2018 |
| 2018 | LC08\_003069\_20180330 | Landsat 8 | 003 | 069 | 3/30/2018 |
| 2018 | LC08\_003069\_20180415 | Landsat 8 | 003 | 069 | 4/15/2018 |
| 2018 | LC08\_003069\_20180501 | Landsat 8 | 003 | 069 | 5/1/2018 |
| 2018 | LC08\_003069\_20180517 | Landsat 8 | 003 | 069 | 5/17/2018 |
| 2018 | LC08\_003069\_20180602 | Landsat 8 | 003 | 069 | 6/2/2018 |
| 2018 | LC08\_003069\_20180618 | Landsat 8 | 003 | 069 | 6/18/2018 |
| 2018 | LC08\_003069\_20180704 | Landsat 8 | 003 | 069 | 7/4/2018 |
| 2018 | LC08\_003069\_20180720 | Landsat 8 | 003 | 069 | 7/20/2018 |
| 2018 | LC08\_003069\_20180805 | Landsat 8 | 003 | 069 | 8/5/2018 |
| 2018 | LC08\_003069\_20180906 | Landsat 8 | 003 | 069 | 9/6/2018 |
| 2018 | LC08\_003069\_20180922 | Landsat 8 | 003 | 069 | 9/22/2018 |
| 2018 | LC08\_003069\_20181008 | Landsat 8 | 003 | 069 | 10/8/2018 |
| 2020 | LC08\_002069\_20200312 | Landsat 8 | 002 | 069 | 3/12/2020 |
| 2020 | LC08\_002069\_20200413 | Landsat 8 | 002 | 069 | 4/13/2020 |
| 2020 | LC08\_002069\_20200429 | Landsat 8 | 002 | 069 | 4/29/2020 |
| 2020 | LC08\_002069\_20200515 | Landsat 8 | 002 | 069 | 5/15/2020 |
| 2020 | LC08\_002069\_20200531 | Landsat 8 | 002 | 069 | 5/31/2020 |
| 2020 | LC08\_002069\_20200616 | Landsat 8 | 002 | 069 | 6/16/2020 |
| 2020 | LC08\_002069\_20200718 | Landsat 8 | 002 | 069 | 7/18/2020 |
| 2020 | LC08\_002069\_20200803 | Landsat 8 | 002 | 069 | 8/3/2020 |
| 2020 | LC08\_002069\_20200819 | Landsat 8 | 002 | 069 | 8/19/2020 |
| 2020 | LC08\_002069\_20200904 | Landsat 8 | 002 | 069 | 9/4/2020 |
| 2020 | LC08\_002069\_20200920 | Landsat 8 | 002 | 069 | 9/20/2020 |
| 2020 | LC08\_002069\_20201006 | Landsat 8 | 002 | 069 | 10/6/2020 |
| 2020 | LC08\_002069\_20201022 | Landsat 8 | 002 | 069 | 10/22/2020 |
| 2020 | LC08\_003069\_20200303 | Landsat 8 | 003 | 069 | 3/3/2020 |
| 2020 | LC08\_003069\_20200319 | Landsat 8 | 003 | 069 | 3/19/2020 |
| 2020 | LC08\_003069\_20200404 | Landsat 8 | 003 | 069 | 4/4/2020 |
| 2020 | LC08\_003069\_20200420 | Landsat 8 | 003 | 069 | 4/20/2020 |
| 2020 | LC08\_003069\_20200506 | Landsat 8 | 003 | 069 | 5/6/2020 |
| 2020 | LC08\_003069\_20200522 | Landsat 8 | 003 | 069 | 5/22/2020 |
| 2020 | LC08\_003069\_20200607 | Landsat 8 | 003 | 069 | 6/7/2020 |
| 2020 | LC08\_003069\_20200623 | Landsat 8 | 003 | 069 | 6/23/2020 |
| 2020 | LC08\_003069\_20200709 | Landsat 8 | 003 | 069 | 7/9/2020 |
| 2020 | LC08\_003069\_20200725 | Landsat 8 | 003 | 069 | 7/25/2020 |
| 2020 | LC08\_003069\_20200810 | Landsat 8 | 003 | 069 | 8/10/2020 |
| 2020 | LC08\_003069\_20200826 | Landsat 8 | 003 | 069 | 8/26/2020 |
| 2020 | LC08\_003069\_20200911 | Landsat 8 | 003 | 069 | 9/11/2020 |
| 2020 | LC08\_003069\_20200927 | Landsat 8 | 003 | 069 | 9/27/2020 |
| 2020 | LC08\_003069\_20201013 | Landsat 8 | 003 | 069 | 10/13/2020 |
| 2020 | LC08\_003069\_20201029 | Landsat 8 | 003 | 069 | 10/29/2020 |