

Table S3. Mean and Standard deviations of the TCA estimated whole-site CH₄ emissions (mol s⁻¹) from 2009 – 2012.

| Mean CH ₄ Emission | Standard deviation (1σ) | Measurement Date | Number of TCA Runs |
|-------------------------------|-------------------------|------------------|--------------------|
| 14.0 | 3.7 | 20 May 2009 | 12 |
| 7.3 | | 21 July 2010 | 1 |
| 15.2 | 3.7 | 22 July 2010 | 8 |
| 12.6 | | 17 Aug 2010 | 1 |
| 12.1 | 2.7 | 18 Aug 2010 | 6 |
| 7.7 | | 14 Sept 2010 | 1 |
| 7.4 | 0.6 | 15 Sept 2010 | 2 |
| 6.2 | | 11 Nov 2010 | 1 |
| 6.0 | 1.1 | 12 Nov 2010 | 3 |
| 12.5 | 2.5 | 24 Aug 2011 | 7 |
| 8.7 | 1.0 | 25 Aug 2011 | 4 |
| 18.3 | 18.2 | 13 Sept 2011 | 8 |
| 7.2 | 2.2 | 14 Sept 2011 | 4 |
| 12.2 | 2.3 | 2 Nov 2011 | 7 |
| 10.0 | | 4 Nov 2011 | 1 |
| 10.9 | 2.8 | 11 Dec 2011 | 6 |
| 13.9 | 7.0 | 24 May 2012 | 4 |
| 9.4 | 3.1 | 25 May 2012 | 7 |
| 8.4 | 1.9 | 28 Aug 2012 | 7 |
| 8.1 | 0.7 | 31 Aug 2012 | 4 |