

Dear Referee #1

We are grateful for your positive comments and we suggest to perform the following minor technical/typographical corrections:

P5560 line 9: Consider “Presently” instead of “Nowadays”, and on the same line delete “s” from areas.

DONE

P5572 lines 18-20: It is slightly confusing to state that the “highest monthly NEE value . . .” is a negative number. Consider re-wording to “highest monthly CO2 uptake . . .”

DONE

P5574 lines 19-21: The mean values are higher in Year 2 not in year 1 – but I would say that both years are not significantly different (Fig 8 and Table 4).

Done. Data has been re-checked and is correct but the sentence is indeed not correct. We propose to change the sentence in the text to: “Annual CH₄-C emissions were not significantly different between years with 1.3±1.09 g CH₄-C m⁻² yr⁻¹ in Year 1 and 1.4±1.1 g CH₄-C m⁻² yr⁻¹ in Year 2 (Table 4).”

P5575 lines 17, 18, 22: Consider replacing “total C flux” with “waterborne C flux” or “fluvial C flux”.

DONE

Section 3 Results overall: In some cases the variability of a result is indicated by a number in brackets () - e.g. 265 (27) - and in other cases as +/- - e.g. 1.3 +/- 1.09. The caption to Table 4 explains the meaning of the () values. If the others are the same, then be consistent.

DONE

P5576 line 16: Checking the values from Table 4 the NECB for Site ad (Year 1) should be 358 not 342 as stated here and listed in Table 4. The others are correct.

An error occurred in the mean NECB for Site Ad (extra cell included in the spread sheet) and 358 is indeed correct. However, the SD was correct. Edits have been done both in the text and Table 4.

P5577 line 2: use “among sites” instead of “at each site”

DONE

P5577 line 20: add “s” to year

DONE

P5579 line 16 and 23: replace “between” with “among”

DONE

P5579 lines 22 & 23: Change “explain the variation in Reco between sites” to “explain the differences in Reco”.

DONE

P5587 line 29 and P5588 Line 1: It’s a small point but to avoid confusion with the publication date of the IPCC report which is 2014, change the first part of this sentence to: As per the updated IPCC guidance, a 90% . . . [correct citation appears at end of sentence]

DONE

P5588 line 15: Similar to above change phrase to "IPCC 2013 Wetland Supplement"
DONE