

Supplement of Geosci. Model Dev., 13, 3553–3569, 2020
<https://doi.org/10.5194/gmd-13-3553-2020-supplement>
© Author(s) 2020. This work is distributed under
the Creative Commons Attribution 4.0 License.



Supplement of

**A multirate mass transfer model to represent the interaction of
multicomponent biogeochemical processes between surface water and
hyporheic zones (SWAT-MRMT-R 1.0)**

Yilin Fang et al.

Correspondence to: Yilin Fang (yilin.fang@pnnl.gov)

The copyright of individual parts of the supplement might differ from the CC BY 4.0 License.

Contents of this file

1. Table S1
2. Figure S1

Table S1. Vertical and lateral residence times at selected reaches along the Columbia River.

Reach number	Vertical RT (h)	Lateral RT (h)
27	8.98	1380
28	8.98	1380
20	8.98	1380
24	8.99	1380
43	143	46100
53	143	46100
67	143	46100
77	8.49	408
88	7.88	408
93	112	22100
100	258	93800
101	267	93800

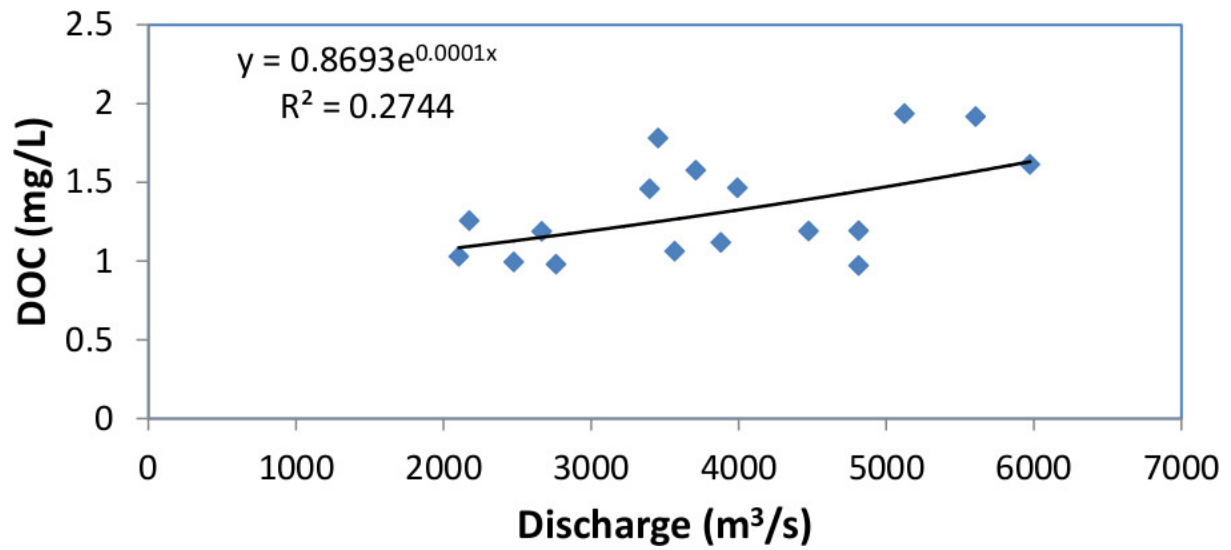


Figure S1. Relationship between observed DOC and stream flow discharge.