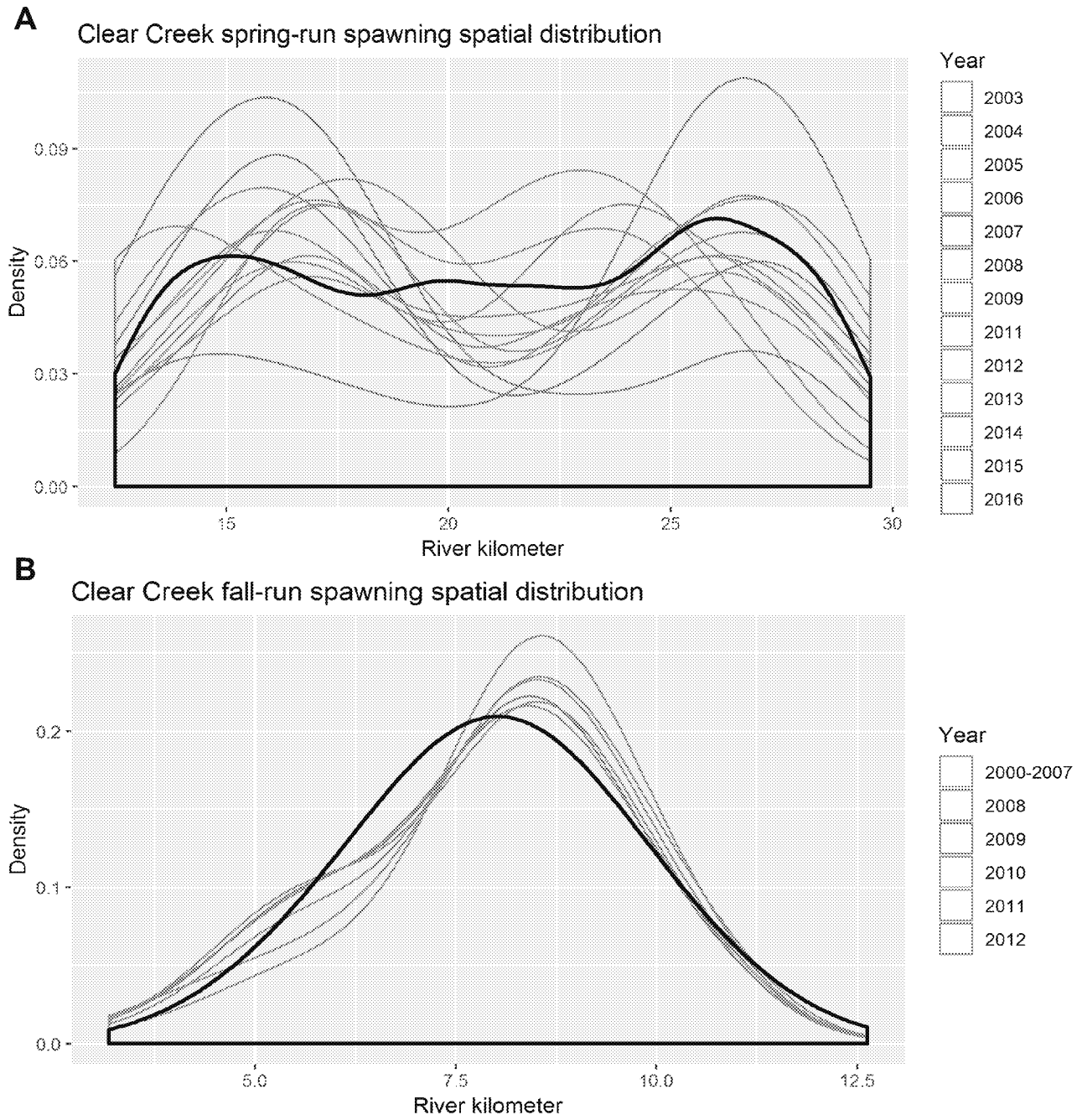

Figure S3.1. Empirical and fitted distributions of spatial locations of A) spring-run and B) fall-run on Clear Creek. The x-axis shows the spatial location (river kilometer) of the redd. River km 0 is the confluence with the Sacramento River, and river km 29 is the Whiskeytown Dam.

Supplement 4 – Framework results

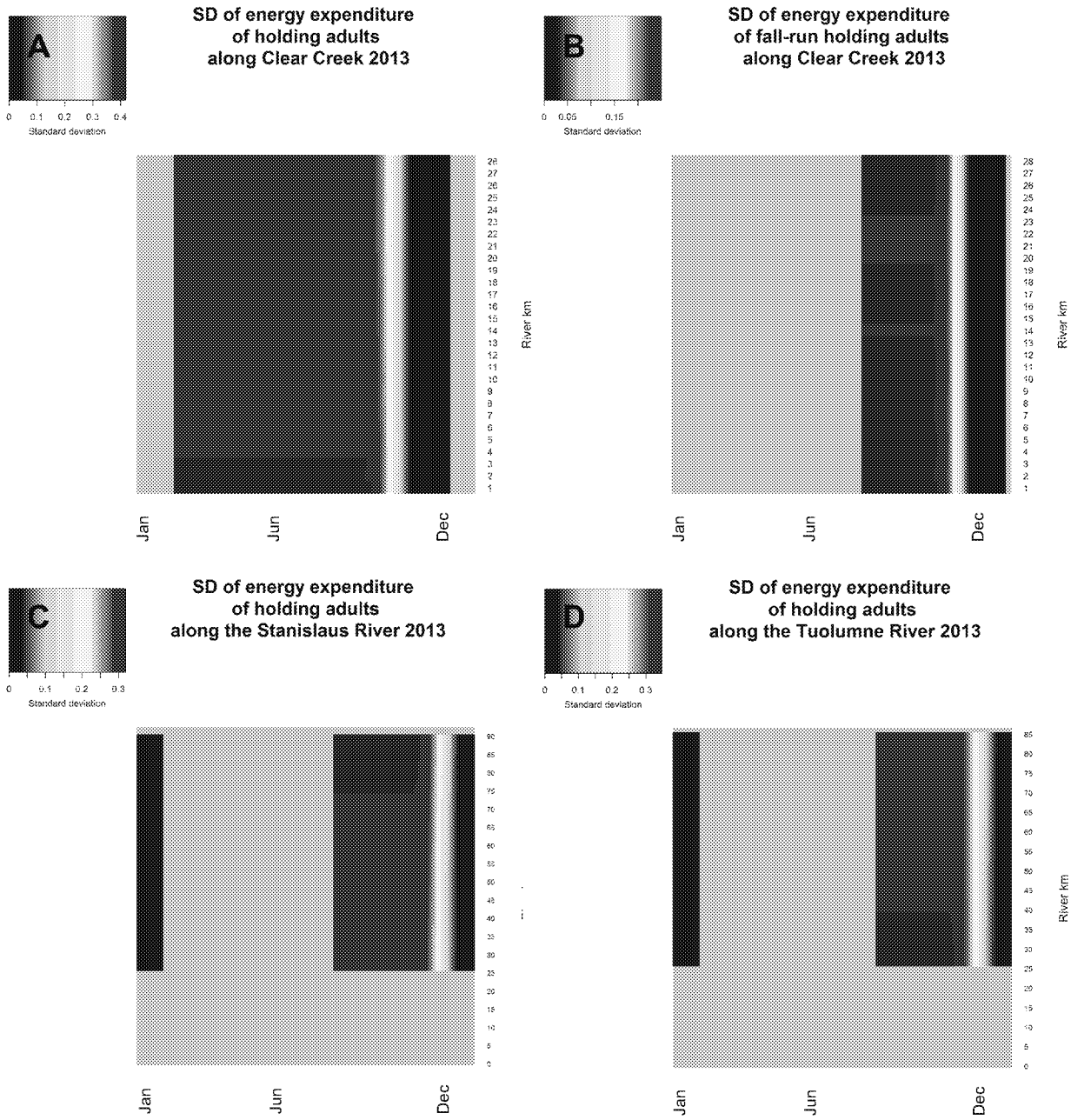

Figure S4.1. Standard deviation of energy expenditure of holding adults from 2013, based on 1000 replicates. A) Spring-run along Clear Creek, B) fall-run along Clear Creek, C) fall-run along the Stanislaus River. The maximum standard deviation was 0.419. Gray locations show where the model was not run (see Methods).

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