Supporting Information

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Overview

This PDF file is supporting information for "Non-random dispersal in sympatric stream fishes: influences of natural disturbance and body size". This includes:

- Tables S1 - Descriptive statistics for the mark-recapture data
- Tables S2 - Model comparison using Widely Applicable Information Criterion
- Tables S3 - Parameter estimates from the Bayesian dispersal model
- Figures S1 - Frequency distributions for dispersal distance of bluehead chub
- Figures S2 - Frequency distributions for dispersal distance of creek chub
- Figures S3 - Frequency distributions for dispersal distance of striped jumprock

Table S1 Descriptive statistics for the mark-recapture data of bluehead chub (BHC), creek chub (CRC) and striped jumprock (STJ). *Unique* individuals captured or recaptured are the number of individuals excluding repeated counts of the same individuals. *Total replicate* is the total number of individuals captured or recaptured including repeated counts of the same individuals.

Stream	Species	Capture (unique)	Recapture (unique)	Capture (total replicate)	Recapture (total replicate)
Indian	BHC	470	171	968	284
Indian	CRC	723	261	1454	431
Indian	STJ	265	89	472	138
Todd	BHC	3362	834	5103	1102
Todd	CRC	170	47	266	61
Todd	STJ	614	254	1334	401

Figure S1 Frequency distributions for dispersal distance of bluehead chub (*Nocomis leptocephalus*). Data from two streams (Indian and Todd Creeks) were combined. Each panel corresponds to a 2-month sampling interval. Red-colored panels are the sampling intervals with extreme flows exceeding the 99th percentile of daily water levels.

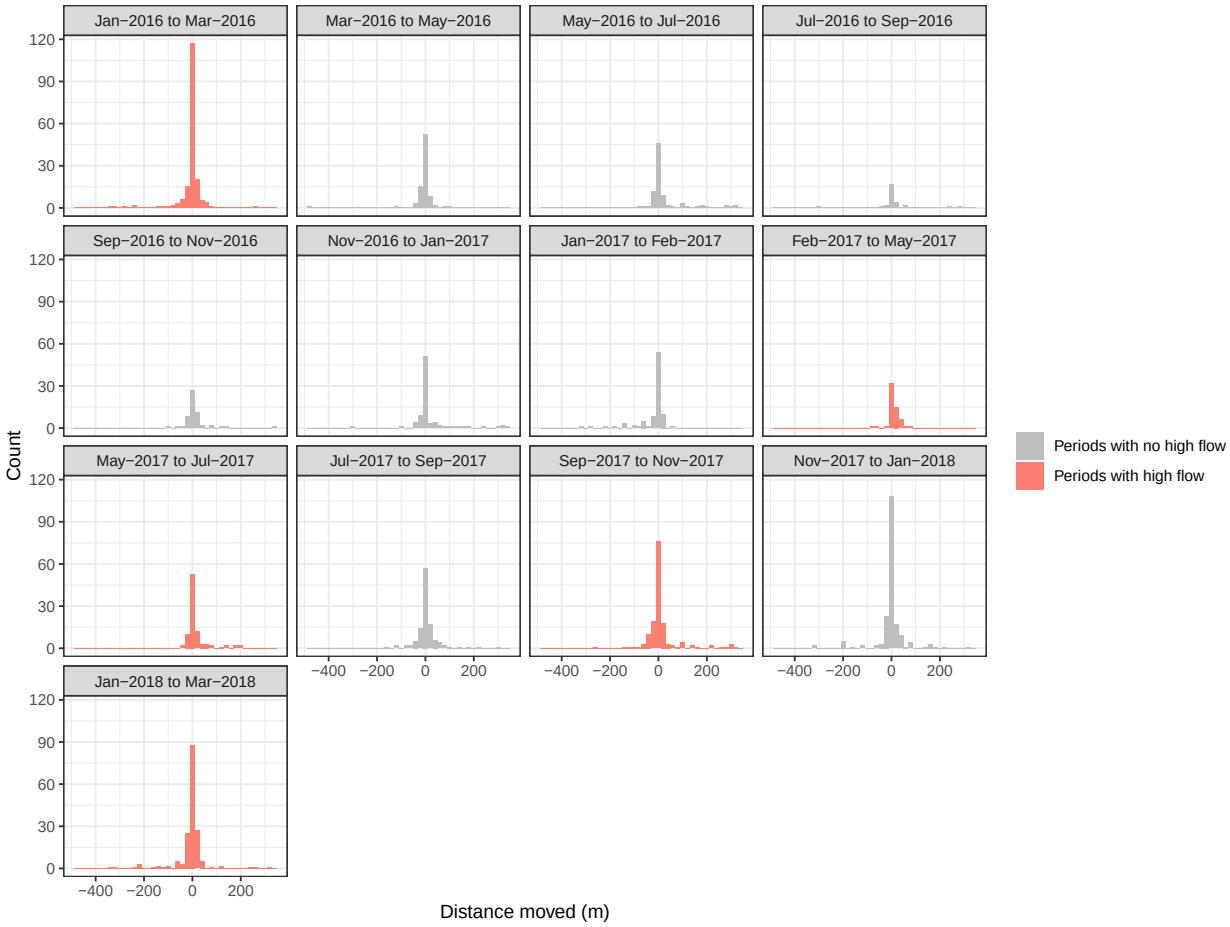

Figure S2 Frequency distributions for dispersal distance of creek chub (*Semotilus atromaculatus*). Data from two streams (Indian and Todd Creeks) were combined. See Figure S1 for details.

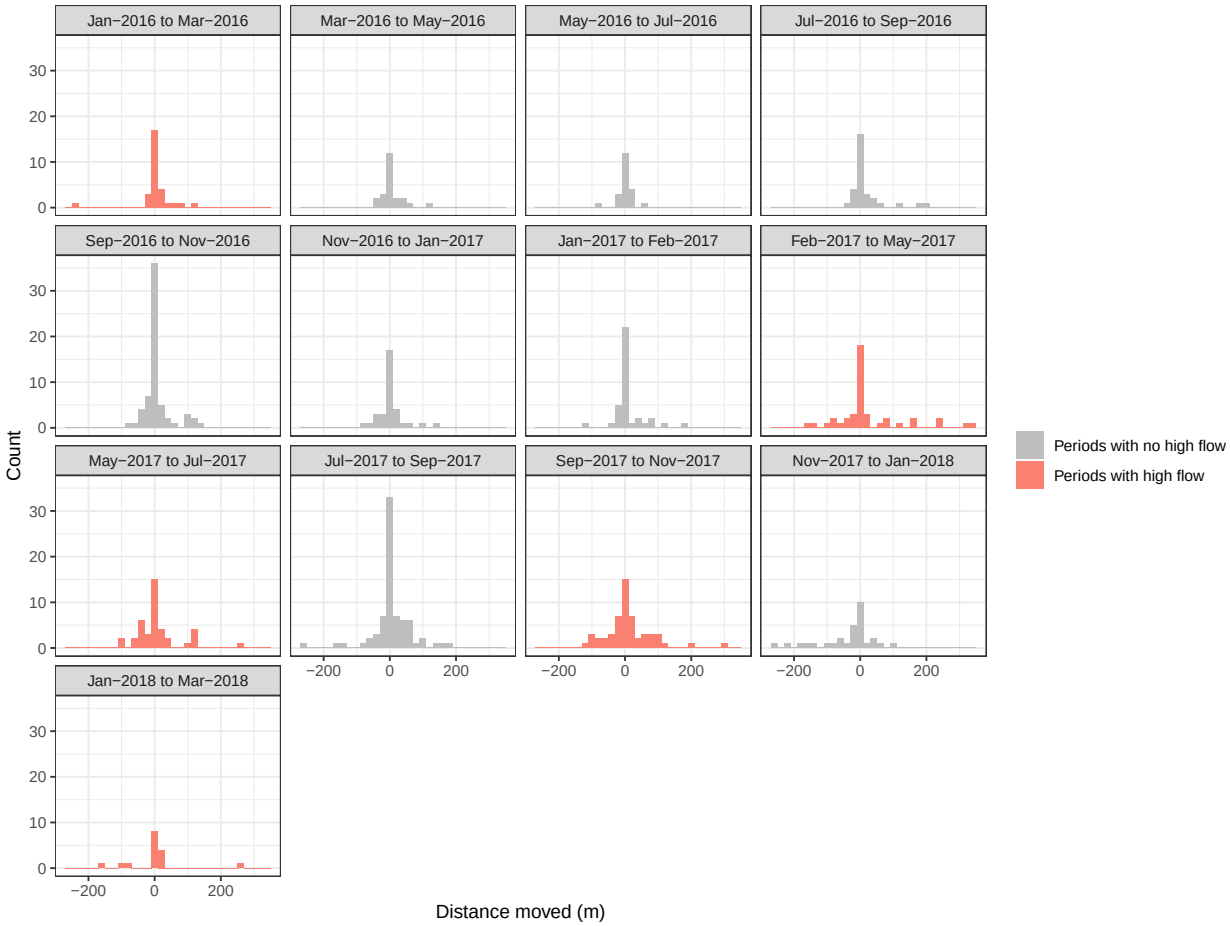

Figure S3 Frequency distributions for dispersal distance of striped jumprock (*Moxostoma rupicartes*). Data from two streams (Indian and Todd Creeks) were combined. See Figure S1 for details.