# Woodland Valley Beaver Present No Yes Beaver Present No Total Event Rainfall (mm) Beaver Present Total Event Rainfall (mm) Beaver Present No Total Event Rainfall (mm) Beaver Present No Total Event Rainfall (mm)

# **Woodland Valley Regression Summary**

term	estimate	std.error	T.statistic	p.value
Intercept	0.173	0.024	7.373	< 0.001 **
Beaver	-0.065	0.023	-2.832	0.005 *
Total Rainfall	0.012	0.002	7.537	< 0.001 **

# **Marginal Means**

Beaver	estimate	std.error
No	0.288	0.021
Yes	0.223	0.011

# **Budleigh Brook Regression Summary**

term	estimate	std.error	T.statistic	p.value
Intercept	0.204	0.048	4.251	< 0.001 **
Beaver	-0.170	0.047	-3.609	< 0.001 **
Total Rainfall	0.041	0.005	8.048	< 0.001 **

### **Marginal Means**

Beaver	estimate	std.error
No	0.66	0.047
Yes	0.49	0.048

# Yorkshire Forest of Dean Beaver Present No Yes Beaver Present No Yes 2.0 2.0 1.5 Peak Q $(m^3 s^{-1})$ Peak Q $(m^3 s^{-1})$ 1.0 0.5 0.5 0.0 50 10 40 20 Total Event Rainfall (mm) Total Event Rainfall (mm)

# **Yorkshire Regression Summary**

term	estimate	std.error	T.statistic	p.value
Intercept	0.253	0.046	5.470	< 0.001 **
Beaver	-0.104	0.051	-2.023	0.046 *
Total Rainfall	0.024	0.005	5.151	< 0.001 **

# **Marginal Means**

Beaver	estimate	std.error
No	0.460	0.053
Yes	0.356	0.032

# **Forest of Dean Regression Summary**

term	estimate	std.error	T.statistic	p.value
Intercept	0.888	0.050	17.908	< 0.001 **
Beaver	-0.359	0.048	-7.401	< 0.001 **
Total Rainfall	0.005	0.003	1.627	0.106

# **Marginal Means**

Beaver	estimate	std.error
No	0.921	0.044
Yes	0.563	0.020