

Supplementary material

All species observed (includes incidentals) in 83 river and stream reaches of the Mattole watershed. Species with (*) were used in the analysis of evenness, the MRPP, ANOVA and proportion tests. Species with (+) were used in the NPMR analyses of environmental relationships (see methods). † Larval stages analyzed separately from adult stages. Species not detected in protocol (i.e. incidentals) are noted by ('); these data were used only in the analysis of species richness. Number/number = post-metamorphic/larvae.

Common name	Scientific name	Detections by channel type			
		I	II	III	IV
Salamanders					
Southern torrent salamander**	<i>Rhyacotriton variegatus</i>	20	2	0	0
Coastal giant salamander**	<i>Dicamptodon tenebrosus</i>	405	367	12	0
Rough-skinned newt**	<i>Taricha granulosa</i>	108	67	298	34
Red-bellied newt**	<i>Taricha rivularis</i>	17	0	5/104	2
Ensatina salamander	<i>Ensatina eschscholtzii</i>	1'	2'	0	0
Black salamander**	<i>Aneides flavipunctatus</i>	18	9	0	0
Wandering salamander	<i>Aneides vagrans</i>	1'	12'	0	0
California slender salamander	<i>Batrachoseps attenuatus</i>	3	0	0	0
Frogs					
Western toad†**	<i>Anaxyrus boreas</i>	0	1/0	13/627	12/6537
Pacific chorus frog*	<i>Pseudacris regilla</i>	1	27	15	8
Pacific tailed frog**	<i>Ascaphus truei</i>	35	8	0	0
Foothill yellow-legged frog †**	<i>Rana boylei</i>	62/88	126/339	505/11559	295/12616
American bullfrog	<i>Lithobates catesbeianus</i>	0	0	3	0
Turtles					
Western pond turtle**	<i>Actinemys marmorata</i>	0	0	18	21
Lizards					
Western fence lizard**	<i>Sceloporus occidentalis</i>	7	22	116	83
Western skink*	<i>Plestiodon skiltonianus</i>	2	4	4	2
Southern alligator lizard	<i>Elgaria multicarinata</i>	0	0	1	0
Northern alligator lizard*	<i>Elgaria coerulea</i>	0	0	16	7
Snakes					
Rubber boa	<i>Charina bottae</i>	1'	0	0	0
Racer	<i>Coluber constrictor</i>	0	0	0	1
Gopher snake	<i>Pituophis catenifer</i>	0	0	1	1
Ring-necked snake	<i>Diadophis punctatus</i>	1	0	0	0
Common garter snake**	<i>Thamnophis sirtalis</i>	0	8	15	14
Western terrestrial garter snake*	<i>Thamnophis elegans</i>	1	2	5	2
Pacific aquatic garter snake**	<i>Thamnophis atratus</i>	8	13	139	80