

# The *Salmoperla* Safari: Hit and Run Stonefly Collecting in Nevada and California

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In April, 1987, the authors were involved in a collecting foray of selected localities in western Nevada and northern California. Our primary objective on this trip was to obtain additional specimens of a recently discovered large perlodid which was described by Baumann and Lauck (1987), but during the course of our seven days of collecting, 81 total Plecoptera species were taken. Because both the time and geographic area were limited on this safari, we are calling attention to what we feel is an extraordinary Plecoptera collecting event. We recognize that stonefly enthusiasts do not ordinarily publish species lists from single collecting trips, but we thought an ongoing and informal (non-Olympian) competition in this area might be of some interest. Collectors at localities 1–7 included R. W. Baumann, C. R. Nelson, and S. A. Wells. Bill P. Stark joined these collectors for the remaining localities and J. A. Stanger collected with us in Glenn County. D. R. Lauck assisted in locating *Salmoperla* sites in Humboldt County. Locality data for our collecting sites are given in Table 1, and the corresponding site numbers are used in the systematic list of Table 2. Question marks in Table 2 indicate tentative identifications.

## *Literature Cited*

Baumann, R. W. and D. R. Lauck. 1987. *Salmoperla*, a new stonefly genus from Northern California (Plecoptera: Perlodidae). Proc. Entomol. Soc. Wash. 89: 825–830.

Table 1. Collecting localities visited during the *Salmoperla* Safari, April, 1987.

1. NEVADA, Washoe Co., Galena Creek, Hwy 431, 21-IV–1987.
2. NEVADA, Washoe Co., Third Creek, Hwy 431, Incline Village, 21-IV–1987.
3. CALIFORNIA, Placer Co., Lake Tahoe, Hwy 28, Agate Bay, 21-IV–1987.
4. CALIFORNIA, Placer Co., Bear Cr. below Alpine Meadows Ski Area, 21-IV–1987.

5. CALIFORNIA, Nevada Co., Summit Creek, above Donner Lake, 21-IV-1987.
6. CALIFORNIA, Placer Co., South Yuba River, Hwy I-15, Cisco Grove, 21-IV-1987.
7. CALIFORNIA, Nevada Co., Bear River, Hwy 20 at Placer Co. line, 21-IV-1987.
8. CALIFORNIA, Marin Co., Redwood Creek, near Mt. Tamalpais State Park, 22-IV-1987.
9. CALIFORNIA, Marin Co., Bear Valley Creek, W of Olema, 22-IV-1987.
10. CALIFORNIA, Marin Co., Olema Creek, Olema, 22-IV-1987.
11. CALIFORNIA, Sonoma Co., Russian River, Hwy 101, N of Cloverdale, 23-IV-1987.
12. CALIFORNIA, Mendocino Co., creek, Hwy 175, 1.5 mi above Hopland, 23-IV-1987.
13. CALIFORNIA, Mendocino Co., seep, Hwy 175, ca. 9 miles E of Hopland, 23-IV-1987.
14. CALIFORNIA, Lake Co., East Fork Middle Cr., 1/2 mi above Middle Cr. Cmpg, 23-IV-1987.
15. CALIFORNIA, Lake Co., Parramore Creek, Bear Creek Road, 23-IV-1987.
16. CALIFORNIA, Lake Co., Rice Fork Eel River near Bear Creek Cmpg., 23-IV-1987.
17. CALIFORNIA, Lake Co., Bear Creek below Bear Creek Cmpg, 23-IV-1987.
18. CALIFORNIA, Humboldt Co., Willow Creek, Hwy 299, below Berry summit, 24-IV-1987.
19. CALIFORNIA, Humboldt Co., East Fork Willow Creek, East Fork Cmpg, jct. Willow Creek, 24-IV-1987.
20. CALIFORNIA, Humboldt Co., Fish Lake, Fish Lake Cmpg, 24-IV-1987.
21. CALIFORNIA, Humboldt Co., creek N of Fish Lake, 24-IV-1987.
22. CALIFORNIA, Humboldt Co., Aikens Creek, Fish Lake Road, 24-IV-1987.
23. CALIFORNIA, Humboldt Co., Cedar Creek, Hwy 299, above jct. Willow Creek, 25-IV-1987.
24. CALIFORNIA, Humboldt Co., stream, Hwy 299 1/2 mi E Cedar Creek, 25-IV-1987.
25. CALIFORNIA, Humboldt Co., creek 1/3 mi W Ruby Cr., above jct. Willow Cr., 25-IV-1987.
26. CALIFORNIA, Humboldt Co., East Fork Willow Creek, East Fork Cmpg, 25-IV-1987.
27. CALIFORNIA, Humboldt Co., East Fork Willow Creek, above East Fork Cmpg, 25-IV-1987.
28. CALIFORNIA, Humboldt Co., Ruby Creek, above jct. Willow Creek, 25-IV-1987.

29. CALIFORNIA, Trinity Co., Hennessey Creek, Hwy 299, above Burnt Ranch Cmpg, 25-IV-1987.
30. CALIFORNIA, Trinity Co., Bidden Creek, Hwy 299 W Cedar Flat, 25-IV-1987.
31. CALIFORNIA, Shasta Co., Lost Creek, Hwy 89, below Lassen National Park, 26-IV-1987.
32. CALIFORNIA, Shasta Co., Hat Creek, Big Pine Cmpg, 26-IV-1987.
33. CALIFORNIA, Shasta Co., Hat Creek, Big Spring, 26-IV-1987.
34. CALIFORNIA, Shasta Co., North Fork Battle Creek, Hwy 44, W Viola, 26-IV-1987.
35. CALIFORNIA, Shasta Co., Lack Creek, SW Shingletown, 26-IV-1987.
36. CALIFORNIA, Shasta Co., North Fork Battle Creek, SW Shingletown, 26-IV-1987.
37. CALIFORNIA, Shasta Co., spring entering North Fork Battle Creek, SW Shingletown, 26-IV-1987.
38. CALIFORNIA, Tehama Co., South Fork Battle Creek, Hwy A-6, 26-IV-1987.
39. CALIFORNIA, Glenn Co., Salt Creek, near Alder Springs, 27-IV-1987.

Table 2. Stoneflies collected on the Salmoperla Safari, April 1987. Tentative identifications are marked with a “?”.

### Capniidae

1. <i>Capnia barberi</i> .....	1, 7.
2. <i>Capnia californica</i> .....	14, 24?, 39.
3. <i>Capnia elongata</i> .....	4, 6.
4. <i>Capnia excavata</i> .....	22, 23, 25, 27, 34, 36.
5. <i>Capnia glabra</i> .....	2, 4.
6. <i>Capnia hitchcocki</i> .....	27 (females, ?).
7. <i>Capnia regilla</i> .....	9.
8. <i>Capnia scobina</i> .....	2.
9. <i>Capnia shepardii</i> .....	6.
10. <i>Capnia tumida</i> .....	5, 34, 36.
11. <i>Capnia barberi</i> group .....	15, 39 (females, ?).
12. <i>Eucapnopsis brevicauda</i> .....	1, 2, 4, 7, 14, 19, 22, 23, 26, 27, 28, 31, 32, 39.
13. <i>Isocapnia spenceri</i> .....	4.
14. <i>Mesocapnia "projecta"</i> .....	7, 9, 18, 19, 22, 23 (females).
15. <i>Utacapnia tahoensis</i> .....	3.

## Leuctridae

16. *Moselia infuscata* . . . . . 7, 19, 21, 22, 24, 25, 29, 30.  
17. *Paraleuctra andersoni* . . . . . 21, 24, 25.  
18. *Paraleuctra divisa* . . . . . 39.  
19. *Paraleuctra forcipata* . . . . . 21, 24.  
20. *Paraleuctra occidentalis* . . . . . 4, 21, 23, 31, 32.  
21. *Paraleuctra vershina* . . . . . 7, 8, 10, 13, 15, 18, 19,  
23, 24, 27, 28, 29, 34, 39.  
22. *Perlomyia collaris* . . . . . 18, 23, 26, 34, 39.  
23. *Perlomyia utahensis* . . . . . 21.

## Nemouridae

24. *Malenka cornuta* . . . . . 18, 24?, 30.  
25. *Malenka* sp. A . . . . . 23, 29.  
26. *Malenka depressa* . . . . . 14, 25, 28?, 29, 30.  
27. *Malenka* sp. B . . . . . 9?, 13, 39.  
28. *Ostrocerca foersteri* . . . . . 18.  
29. *Prostoia besametsa* . . . . . 2, 4, 31, 32, 39.  
30. *Soyedina nevadensis* . . . . . 2, 7, 19, 21, 24, 25, 26, 29, 30, 33, 39.  
31. *Soyedina producta* . . . . . 13, 24, 25, 28, 39.  
32. *Visoka cataractae* . . . . . 1, 2.  
33. *Zapada cinctipes* . . . . . 1, 2, 4, 5, 6, 7, 18, 32, 33, 34, 39.  
34. *Zapada columbiana* . . . . . 1, 2, 4, 33.  
35. *Zapada frigida* . . . . . 18, 19, 21, 23, 24, 25, 27, 28, 39.  
36. *Zapada oregonensis* . . . . . 7, 21, 25, 31, 34, 39

## Taeniopterygidae

37. *Doddsia occidentalis* . . . . . 1.  
38. *Oemopteryx vanduzeei* . . . . . 39.  
39. *Taenionema californicum* . . . . . 2?, 7, 18?, 34, 35, 39.

## Pteronarcyidae

40. *Pteronarcella regularis* . . . . . 34.  
41. *Pteronarcys californica* . . . . . 16, 17, 30, 34, 36, 38.  
42. *Pteronarcys princeps* . . . . . 31.

## Peltoperlidae

43. *Sierraperla cora* . . . . . 30, 31.  
44. *Soliperla quadrispinula* . . . . . 18, 19, 23, 24, 26, 28, 39?  
45. *Soliperla thyra* . . . . . 8, 13, 39.  
46. *Yoraperla brevis* . . . . . 2, 18, 19, 21, 23, 24, 25, 26, 28, 33, 34

## Chloroperlidae

47. <i>Alloperla delicata</i> . . . . .	8, 9, 10.
48. <i>Kathroperla perdita</i> . . . . .	8, 19, 21, 26, 28.
49. <i>Kathroperla takhoma</i> . . . . .	19, 22, 23, 25.
50. <i>Paraperla frontalis</i> . . . . .	4, 19, 25, 26, 28, 34, 39.
51. <i>Plumiperla diversa</i> . . . . .	29, 30, 38.
52. <i>Suwallia</i> sp. . . . .	35.
53. <i>Sweltsa californica</i> . . . . .	35.
54. <i>Sweltsa exquisita</i> . . . . .	18, 19?.
55. <i>Sweltsa fidelis</i> . . . . .	13, 18, 23, 24, 26.
56. <i>Sweltsa pacifica</i> . . . . .	38.
57. <i>Sweltsa tamalpa</i> . . . . .	12, 13, 14.
58. <i>Sweltsa townesi</i> . . . . .	10, 35.

## Perlidae

59. <i>Calineuria californica</i> . . . . .	3, 8, 12, 16, 17, 19, 22, 23, 25, 34, 39.
60. <i>Doroneuria baumanni</i> . . . . .	4, 21, 22, 23, 24, 31, 32, 34.
61. <i>Hesperoperla hoguei</i> . . . . .	34, 37.
62. <i>Hesperoperla pacifica</i> . . . . .	7, 17, 19, 28, 33, 36, 38.

## Perlodidae

63. <i>Baumannella alameda</i> . . . . .	14.
64. <i>Calliperla luctuosa</i> . . . . .	21, 23.
65. <i>Chernokrilus misnomus</i> . . . . .	18, 19, 21, 23, 24, 30.
66. <i>Cultus pilatus</i> . . . . .	34, 35, 36, 38.
67. <i>Cultus tostonus</i> . . . . .	36, 38.
68. <i>Frisonia picticeps</i> . . . . .	1, 2, 4.
69. <i>Isoperla fusca</i> . . . . .	31?.
70. <i>Isoperla marmorata</i> . . . . .	7, 10, 12, 18, 19, 31, 35, 38, 39.
71. <i>Isoperla pinta</i> . . . . .	1.
72. <i>Isoperla quinquepunctata</i> . . . . .	36, 38.
73. <i>Isoperla species A</i> . . . . .	35, 36.
74. <i>Kogotus nonus</i> . . . . .	4, 12?, 31?, 32?.
75. <i>Megarcys subtruncata</i> . . . . .	32.
76. <i>Oroperla barbara</i> . . . . .	4.
77. <i>Osobenus yakimae</i> . . . . .	16, 34.
78. <i>Perlinodes aureus</i> . . . . .	19, 26, 28, 34.
79. <i>Salmoperla sylvanica</i> . . . . .	21, 24, 25.
80. <i>Setvena tibialis</i> . . . . .	34.
81. <i>Skwala parallela</i> . . . . .	4, 7, 28, 32.

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Artikel/Article: [The Salmoperla Safari: Hit and Run Stonefly Collecting in Nevada and California 7-11](#)