

**AN ANNOTATED LIST OF
THE STONEFLIES (PLECOPTERA)
OF COLORADO
PART I.¹**

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INTRODUCTION

Through the years, the Colorado stonefly fauna has received the casual attention of numerous collectors, including many of our foremost North American authorities. As a result, records of Colorado species are scattered through one-hundred years of literature. Gaufin (1964), in bringing together information of the intermountain stonefly fauna, listed fifty-seven species from the state, but no distributional records were provided. Over the past decade, studies at the University of Utah have provided numerous species records for the state (Knight, 1964; Nebeker and Gaufin, 1965; Knight and Gaufin, 1965; Knight and Gaufin, 1967; Nebeker and Gaufin, 1967; Oblad, 1969; Baumann, 1970; Baumann and Gaufin, 1970; Baumann and Gaufin, 1972). Additional records were obtained from the personal collections of several individuals and from the collection of the University of Utah. The present study brings together distributional records for eighty-one stonefly species known to occur in the state.

**LIST OF SPECIES
SUBORDER FILIPALPIA**

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Family Nemouridae

Genus *Nemoura*Subgenus *Amphinemura*1. *N. banksi* (Baumann and Gaufin)

Distribution: *Boulder Co.*, Copeland Park, Boulder; Rock Creek; St. Malo Boys Camp; Fox Creek; North Boulder Creek; Fawn Brook; North St. Vrain Creek; Middle St. Vrain Creek. *Chaffee Co.*, Cottonwood Creek. *El Paso Co.*, Green Mountain Falls. *Gilpin Co.*, South Fork Boulder Creek, Hgy. 119, near Black Hawk. *Grand Co.*, Colorado River; Fraser River; Muddy Creek; Little Muddy Creek; Pass Creek; North Fork Colorado River; Blacktail Creek; Big Rock Creek; Onahu Creek. *Jackson Co.*, Cameron Pass; Gould. *Larimer Co.*, Hidden Valley Creek; Cub Creek; Glacier Creek; Fall River; Big Thompson River; Mill Creek; Michigan River; Laramie River. *Las Animas Co.*, Trinidad. *Mineral Co.*, Creede. *Rio Blanco Co.*, Crosho Lake. *Routt Co.*, Yampa River; Fish Creek; Oak Creek; Beaver Creek; Green Creek; Elk River; Cow Creek; Coulton Creek. *Summit Co.*, Loveland Pass; Kokomo; Blue River. *Teller Co.*, Catamount Creek; Midland. *Gunnison Co.*, Coal Creek.

2. *N. linda* Ricker

Distribution: *Grand Co.*, Grand Lake.

Subgenus *Malenka*3. *N. californica* Claassen

Distribution: *Grand Co.*, Muddy Creek; Little Muddy Creek; Big Rock Creek. *Routt Co.*, Toponas Creek; Oak Creek. *Larimer Co.*, Mill Creek; Thompson River.

4. *N. coloradensis* Banks

Distribution: *Boulder Co.*, North Boulder Creek; St. Vrain Creek; St. Malo Boys Camp; Fox Creek; Fawn Brook; Lefthand Creek; North Boulder Creek; Lyons. *Chaffee Co.*, Middle Cottonwood Creek; Chalk Creek. *Clear Creek Co.*, Empire; Chicago Creek. *Conejos Co.*, Trujillo Meadow Campground. *El Paso Co.*, Green Mountain Falls; Catamount Creek; Crystal Creek; Chipita Park; Manitou. *Gunnison Co.*, East Elk Creek; Red Creek. *Hinsdale Co.*, Cebolla Creek. *Jefferson Co.*, Golden. *LaPlata Co.*, Lime Creek; Electra Lake. *Larimer Co.*, Fort Collins; Mill Creek; Virginia Dale. *Routt Co.*, Toponas Creek; Yampa River, Yampa. *Teller Co.*, Florissant; Crystola; Edloe; Woodland Park. *Delta Co.*, Grand Mesa.

5. *N. flexura* Claassen

Distribution. *Boulder Co.*, Lanham; Fawn Brook; Corona Pass; Boulder. *Conejos Co.*, Trujillo Meadow Campground. *Eagle Co.*, Tennessee Pass. *Gilpin Co.*, Tolland. *Grand Co.*, Phantom Valley; Berthoud Pass; Current Creek. *Larimer Co.*, Poudre Lake. *Routt Co.*, Little Rock Creek.

Subgenus *Podmosta*6. *N. decepta* Frison

Distribution: *Grand Co.*, St. Louis Creek; West of Milner Pass. *Jackson Co.*, Teller City. *Larimer Co.*, Cache La Poudre River; Estes Park; Mill Creek; Longs Peak. *Routt Co.*, Fish Creek; Harrison Creek; Independence Creek; North Fork Morrison Creek; Muddy Creek; Rocky Creek; Walton Creek.

7. *N. delicatula* Claassen

Distribution: *Boulder Co.*, Rock Creek; Boulder. *Clear Creek Co.*, Chicago Creek. *Eagle Co.*, Eagle River; East Lake Creek; Tennessee Creek; Tennessee Pass. *Grand Co.*, Big Rock Creek; North Fork Colorado River; Fraser River; Gore Pass Creek, Kinney Creek; Muddy Creek; Onahu Creek; St. Louis Creek; Timber Creek; Walton Creek. *Hinsdale Co.*, Lake Fork Gunnison River; Cebolla Creek. *Jackson Co.*, Government Creek;

Cameron Pass; Teller City. *Lake Co.*, Arkansas River; Climax. *Larimer Co.*, Wind River; five miles east of Cameron Pass; Fall River; Mill Creek; Cache La Poudre River; Michigan River. *Routt Co.*, Bear River; Beaver Creek; Burgess Creek; Butcher Knife Creek; North Fork Elk River; Fish Creek; Green Creek; Harrison Creek; Hinman Creek; Independence Creek; Lester Creek; Morrison Creek; North Fork Morrison Creek; Oak Creek; Little Rock Creek; Rocky Creek; Sarvice Creek; Little Snake River; Soda Creek; Spring Creek; Toponas Creek; Trout Creek; Walton Creek; Willow Creek; Yampa River. *Summit Co.*, Blue River; Indian Creek; Tenmile Creek.

Subgenus *Prostoia*

8. *N. besametsa* Ricker

Distribution: *Archuleta Co.*, Devil Creek; Piedra River. *Boulder Co.*, Rock Creek; Boulder. *Chaffee Co.*, Arkansas River; North Fork Arkansas River; Squaw Creek. *Clear Creek Co.*, near Berthoud Pass; Clear Creek. *Eagle Co.*, Eagle River; Gore Creek. *Garfield Co.*, Canyon Creek; Grizzly Creek. *Gilpin Co.*, South Fork Boulder Creek. *Gunnison Co.*, Taylor River; East Fork Cimarron Creek; Gunnison River; Sapinero Creek. *Hinsdale Co.*, Henson Creek; Lake Fork Gunnison River. *Routt Co.*, Bear River; Big Creek; Cotton Creek; Elk River, East Fork Elk River; North Fork Elk River; Fish Creek; Hot Springs Creek; Mud Creek; Oak Creek; Soda Creek; Spring Creek; Trout Creek; Walton Creek; Yampa River. *Summit Co.*, Blue River; Indian Creek. *Jefferson Co.*, Clear Creek. *Larimer Co.*, Estes Park. *Grand Co.*, North Fork Colorado River.

Subgenus *Zapada*

9. *N. cinctipes* Banks

Distribution: *Boulder Co.*, Lyons; Boulder. *Chaffee Co.*, Cree Creek. *Eagle Co.*, Eagle River. *Delta Co.*, Grand Mesa. *Grand Co.*, Big Rock Creek. *Gunnison Co.*, Blue Creek; Cimarron River; East Elk Creek; Red Creek. *Jackson Co.*, Camp Creek. *LaPlata Co.*, Freeman Creek. *Larimer Co.*, Estes Park; Longs Peak. *Montrose Co.*, Cimarron Creek. *Routt Co.*, Little Rock Creek; Toponas Creek; Fish Creek; Harrison Creek; Oak Creek; Walton Creek; Yampa River. *Saguache Co.*, Agate Creek. *Summit Co.*, no location.

10. *N. frigida* Claassen

Distribution: *Boulder Co.*, Boulder Creek. *Hinsdale Co.*, Hensen Creek. *Mineral Co.*, no location. *Chaffee Co.*, South Arkansas River. *Summit Co.*, no location.

11. *N. haysi* Ricker

Distribution: *Clear Creek Co.*, South Fork Clear Creek. *Garfield Co.*, twenty-five miles east of Buford. *Grand Co.*, Phantom Valley; Fraser River; West of Milner Pass. *Hinsdale Co.*, Hensen Creek. *Jackson Co.*, Lake Agnes. *Lake Co.*, Mountain Boy Park. *Larimer Co.*, Cache La Poudre River; Cameron Pass; Phantom Valley; Fall River. *Pitkin Co.*, Independence Pass. *Routt Co.*, Fish Creek; Yampa River. *Summit Co.*, Blue River.

12. *N. oregonensis* Claassen

Distribution: *Boulder Co.*, Lyons. *Clear Creek Co.*, Herman Gulch. *Eagle Co.*, Eagle River. *Grand Co.*, Big Rock Creek; Current Creek; Fraser River. *Gunnison Co.*, White Pine Creek; East Fork Cimarron Creek. *Hinsdale Co.*, Hensen Creek. *Larimer Co.*, Mill Creek; Longs Peak; Fall Creek; Emiline Lake; Little South Fork Poudre River. *Routt Co.*, Fish Creek; Toponas Creek; Walton Creek; Yampa River. *San Juan Co.*, Red Mt. Pass.

Family Leuctridae

Genus *Paraleuctra*

13. *P. jewetti* Nebeker and Gaufin

Distribution: *Grand Co.*, Fraser River.

14. *P. occidentallis* (Banks)

Distribution: *Larimer Co.*, Wild Basin. *Routt Co.*, Yampa River.

15. *P. sara* (Classen)

Distribution: *Boulder Co.*, Rock Creek. *Clear Creek Co.*, Chicago Creek. *Eagle Co.*, East Lake Creek; Eagle River. *Grand Co.*, North Fork Colorado River; Fraser River; Hideaway Park; Colorado River; Kinney Creek. *Gunnison Co.*, Curecanti Creek; East Elk Creek; Steuben Creek; Beaver Creek; Coal Creek; Slate River; East River. *Hinsdale Co.*, Lake Fork Gunnison River; Cebolla Creek. *Lake Co.*, North of Leadville. *Larimer Co.*, Little South Fork Poudre River. *Routt Co.*, Toponas Creek; Bear River; Yampa River; Elk River; Fish Creek Falls; Fish Creek; Green Creek; Harrison Creek; Sarvice Creek; Soda Creek; Spring Creek; Trout Creek; Walton Creek; Willow Creek; Burgess Creek; Coulton Creek; Hot Springs Creek; Independence Creek; Mad Creek; North Fork Elk River; North Fork Morrison Creek. *Summit Co.*, Indian Creek; Blue River. *Delta Co.*, Grand Mesa. *LaPlata Co.*, Lime Creek.

Genus *Perlomyia*16. *P. utahensis* Needham and Claassen

Distribution: *Mineral Co.*, no location.

Family Capniidae

Genus *Capnia*Subgenus *Capnia* s. s.17. *C. barbata* Frison

Distribution: *Arapaho Co.*, Littleton. *Boulder Co.*, Little Thompson River.

18. *C. coloradensis* Classen

Distribution: *El Paso Co.*, North Cheyenne Canyon. *Grand Co.*, Fraser River. *Gunnison Co.*, Blue Creek; Spring Creek. *Hinsdale Co.*, Lake Fork Gunnison River. *Routt Co.*, Yampa River; Oak Creek; Walton Creek; East Fork Elk River; Soda Creek; Fish Creek; Big Creek; Hot Springs Creek; Willow Creek. *San Juan Co.*, Lime Creek. *Lake Co.*, North Fork Lake Creek. South Fork Rio Grande.

19. *C. confusa* Claassen

Distribution: *Chaffee Co.*, Arkansas River; Cree Creek. *Eagle Co.*, Gypsum Creek; Eagle River. *Garfield Co.*, No Name Creek; Grizzly Creek. Canyon Creek. *Grand Co.*, two miles west of Big Rock Creek; Fraser River. *Gunnison Co.*, Gunnison River. *Hinsdale Co.*, Lake Fork Gunnison River. *LaPlata Co.*, LaPlata River; Lightning Creek. *Larimer Co.*, Cache La Poudre River. *Montezuma Co.*, Mancos River. *Ouray Co.*, one mile north of Ouray; Uncompahgre River. *Pitkin Co.*, Roaring Fork River. *Routt Co.*, Yampa River; Oak Creek; Soda Creek; Walton Creek; North Fork Elk River; Willow Creek. *Summit Co.*, Gore Creek.

20. *C. decepta* (Banks)

Distribution: *Boulder Co.*, South Boulder Creek. *Routt Co.*, Steamboat Springs. *Larimer Co.*, Ft. Collins.

21. *C. frisoni* Baumann and Gaufin

Distribution: *Larimer Co.*, Little Thompson River.

22. *C. gracilaria* Claassen

Distribution: *Archuleta Co.*, Devil Creek. *Clear Creek Co.*, Chicago Creek. *Gunnison Co.*, Blue Creek; East Elk Creek; Steuben Creek; Spring Creek. *Hinsdale Co.*, Lake Fork Gunnison River. *LaPlata Co.*, Freeman Creek. *Montrose Co.*, Cimarron Creek. *Ouray Co.*, one mile north of Ouray. *Routt Co.*, Yampa River; Soda Creek; Cow Creek; Mad Creek; Fish Creek. *Lake Co.*, North Fork Lake Creek.

23. *C. limata* Frison

Distribution: *Arapaho Co.*, South Platte River. *Archuleta Co.*, Rio Blanco. *Chaffee Co.*, Cree Creek. *Conejos Co.*, Conejos River; Rio San Antonio. *Grand Co.*, Colorado River. *Gunnison Co.*, Soap Creek; Red Creek; Willow Creek; Tomichi Creek; Beaver Creek; Blue Creek; Gunnison River; East Elk Creek. *Moffat Co.*, Yampa River; Fortification Creek; Elkhead Creek. *Montrose Co.*, Cimarron River. *Pueblo Co.*, Pueblo. *Routt Co.*, Yampa River; East Elk Creek; East Fork Elk River; Fish Creek; Walton Creek; Soda Creek; Willow Creek.

24. *C. nana* Claassen

Distribution: *Gunnison Co.*, Spring Creek.

25. *C. wanica* Frison

Distribution: *Arapaho Co.*, South Platte River. *Boulder Co.*, Little Thompson River. *Douglas Co.*, Plum Creek.

Subgenus *Utacapnia*

26. *C. lemoniana* Nebeker and Gaufin

Distribution: *Routt Co.*, Yampa River; Little Morrison Creek.

27. *C. logana* Nebeker and Gaufin

Distribution: *Boulder Co.*, Beaver Brook; Boulder Creek; Four-Mile Creek. *El Paso Co.*, Cheyenne Canyon. *Gilpin Co.*, Lump Gulch. *Gunnison Co.*, East Elk Creek; Spring Creek; Blue Creek; Soap Creek; West Elk Creek; Gunnison River. *Larimer Co.*, Big Thompson River. *Montrose Co.*, Cimarron River. *Routt Co.*, Yampa River; Little Morrison Creek. *San Juan Co.*, Lime Creek.

28. *C. poda* Nebeker and Gaufin

Distribution: *Archuleta Co.*, San Juan River; Rio Blanco. *Grand Co.*, Colorado River. *Gunnison Co.*, Gunnison River; West Elk Creek; East Elk Creek; Blue Creek; Soap Creek; Steuben Creek; Beaver Creek; Sapinero Creek. *Hinsdale Co.*, Lake Fork Gunnison River. *LaPlata Co.*, Animas River; Lightning Creek. *Moffat Co.*, Elkhead Creek. *Mineral Co.*, South Fork Rio Grande. *Montrose Co.*, Cimarron River. *Ouray Co.*, Uncompahgre River. *Routt Co.*, Yampa River; Little Morrison Creek; Soda Creek; Trout Creek; Walton Creek; Butcher Knife Creek; Willow Creek; East Fork Elk River. *Saguache Co.*, Agate Creek.

Genus *Eucapnopsis*

29. *E. brevicauda* (Claassen)

Distribution: *Boulder Co.*, Boulder. *Eagle Co.*, Eagle River. *Garfield Co.*, Canyon Creek. *Grand Co.*, Hideaway Park. *Gunnison Co.*, Taylor River. *Routt Co.*, Yampa River; Elk River; Fish Creek Falls; Fish Creek; Walton Creek; Lester Creek; North Fork Elk River. *Summit Co.*, Indian Creek; Gore Creek; Blue River.

Genus *Isocapnia*

30. *I. crinita* Needham and Claassen

Distribution: *Gunnison Co.*, Gunnison River.

31. *I. grandis* (Banks)

Distribution: Listed from Colorado by Gaufin (1964).

32. *I. hyalita* Ricker

Distribution: *Lake Co.*, Small Creek, Hwy. 82.

Genus *Paracapnia*

33. *P. angulata* Hanson

Distribution: *Routt Co.*, Walton Creek; Willow Creek.

Family Taeniopterygidae

Genus *Brachyptera*Subgenus *Doddsia*34. *B. occidentalis* Banks

Distribution: *Boulder Co.*, Boulder. *Chaffee Co.*, North Fork Arkansas River; Cree Creek. *Hinsdale Co.*, Hensen Creek. *Saguache Co.*, Agate Creek. *Gunnison Co.*, Spring Creek.

Subgenus *Oemopteryx*35. *B. fosketti* Ricker

Distribution: *Mesa Co.*, Gunnison River. *Moffat Co.*, Yampa River.

36. *B. zelona* Ricker

Distribution: Listed by Ricker (1965) from "U. S. Highway 50, Colorado."

Subgenus *Taenionema*37. *B. nigripennis* Banks

Distribution: *Boulder Co.*, Boulder. *Clear Creek Co.*, South Fork Clear Creek; Chicago Creek. *Eagle Co.*, Eagle River. *Grand Co.*, Hideaway Park. *Larimer Co.*, Beaver Creek; Little South Fork Poudre River. *Routt Co.*, Bear River; East Fork Elk River; Elk River; Fish Creek Falls; Fish Creek; Walton Creek; Hot Springs Creek; Mad Creek; North Fork Elk River; Toponas Creek; Big Rock Creek. *Summit Co.*, Indian Creek; Blue River; Snake River. *Gunnison Co.*, White Pine Creek. *Delta Co.*, Grand Mesa.

38. *B. pacifica* Banks.

Distribution: *Boulder Co.*, Boulder. *Gunnison Co.*, Soap Creek; Lake Fork Gunnison River; Gunnison River; Sapinero Creek; Quartz Creek. *Hinsdale Co.*, Hensen Creek; *LaPlata Co.*, Lightning Creek. *Larimer Co.*, Ft. Collins. *Moffat Co.*, Yampa River. *Montrose Co.*, Cimarron Creek. *Routt Co.*, Bear River; Yampa River.

39. *B. pallida* Banks

Distribution: *Boulder Co.*, Lyons. *Gunnison Co.*, Soap Creek. *Delta Co.*, Grand Mesa. *San Juan Co.*, Red Mt. Pass.

SUBORDER SETIPALPIA

Family Pteronarcidae

Genus *Pteronarcella*40. *P. badia* Hagen

Distribution: *Archuleta Co.*, Big Navajo River; San Juan River; Rio Blanco; West Fork San Juan River; Turkey Creek; Piedra River. *Boulder Co.*, Boulder. *Conejos Co.*, Rio San Antonio; Conejos River. *Eagle Co.*, Eagle River. *El Paso Co.*, Manitou. *Grand Co.*, Colorado River; Gore Pass Creek. *Gunnison Co.*, East Fork Cimarron Creek; West Fork Cimarron Creek; Lake Fork Gunnison River; Blue Creek; Little Blue Creek; Curecanti Creek; Soap Creek; West Elk Creek; Red Creek; Cebolla Creek; East Elk Creek; Steuben Creek; Beaver Creek; Gunnison River; Tomichi Creek; East River; Coal Creek; Quartz Creek. *Hinsdale Co.*, Lake Fork Gunnison River; Cebolla Creek. *Lake Co.*, Arkansas River. *LaPlata Co.*, LaPlata River; Animas River; Lightner Creek; Los Pinos River. *Larimer Co.*, Beaver Creek; Big Laramie River; Cache La Poudre River. *Montezuma Co.*, Mancos River; Dolores River. *Montrose Co.*, Cimarron Creek; Uncompahgre River. *Ouray Co.*, Uncompahgre River; Cow Creek. *Rio Grande Co.*, Rio Grande River. *Routt Co.*, Yampa River; Butcher Knife Creek; East Fork Elk River; West Fork Elk River; Elk River; Fish Creek; Harrison Creek; Hunt Creek; Little Snake River; Morrison Creek; Oak Creek; Sarvice Creek; Soda Creek; Spring Creek; Trout Creek; Walton Creek; Big Creek; Hinman Creek; Mad Creek; North Fork Elk River. *Saguache Co.*, Cochetopa Creek.

41. *P. regularis* Hagen**Distribution:** *Larimer Co.*, Estes Park; Cache La Poudre River.Genus *Pteronarcys*42. *P. californica* Newport**Distribution:** *Archuleta Co.*, San Juan River; Turkey Creek; Rio Blanco; West Fork San Juan River; Big Navajo River; Piedra River. *Chaffee Co.*, Arkansas River. *Grand Co.*, Colorado River. *Gunnison Co.*, Curecanti Creek; Gunnison River; Lake Fork Gunnison River; Soap Creek; Red Creek; West Elk Creek; East Elk Creek; Steuben Creek; Beaver Creek; Cochetopa Creek; Tomichi Creek. *Hinsdale Co.*, Lake Fork Gunnison River. *LaPlata Co.*, Los Pinos River. *Larimer Co.*, Poudre Canyon. *Montezuma Co.*, Mancos River; Dolores River. *Montrose Co.*, Gunnison River. *Rio Blanco Co.*, White River. *Rio Grande Co.*, Rio Grande River. *Routt Co.*, Yampa River; East Fork Elk River; Elk River; Little Snake River; Big Creek; Mad Creek.

Family Perlodidae

Genus *Arcynopteryx*Subgenus *Arcynopteryx* s.s.43. *A. compacta* Mac Laughlan**Distribution:** Listed by Ricker (1952) from Colorado.Subgenus *Megarcys*44. *A. signata* Hagen**Distribution:** *Boulder Co.*, Boulder. *Clear Creek Co.*, East of Berthoud Pass; Chicago Creek. *Custer Co.*, no location. *Dolores Co.*, Dolores River. *Gilpin Co.*, Tolland. *Grand Co.*, Second Creek; Fraser River. *Gunnison Co.*, East Fork Cimarron Creek; Myers Gulch; Slate River. Tomichi Creek; Coal Creek; East River. *Hinsdale Co.*, Hensen Creek; Lake Fork Gunnison River; Cebolla Creek; Deer Creek. *LaPlata Co.*, LaPlata River. *Larimer Co.*, Cache La Poudre River; Cameron Pass; Estes Park; Fall Creek. *Mineral Co.*, eight miles southwest of Wolf Creek Pass. *Moffat Co.*, Yampa River. *Ouray Co.*, one mile north of Ouray. *Park Co.*, Kenosha Pass. *Routt Co.*, Bear River; Yampa River; Fish Creek Falls; Harrison Creek; Spring Creek; Walton Creek; Toponas Creek. *San Juan Co.*, Animas River; Cunningham River; five miles south of Silverton. *Summit Co.*, Blue River; Indian Creek.Subgenus *Skwala*45. *A. parallela* Frison**Distribution:** *Archuleta Co.*, San Juan River; Piedra River; West Fork San Juan River. *Boulder Co.*, Boulder. *Conejos Co.*, Conejos River. *Gunnison Co.*, Cebolla Creek; Lake Fork Gunnison River; Blue Creek; Curecanti Creek; Gunnison River; Soap Creek; West Elk Creek; Steuben Creek; Beaver Creek; Tomichi Creek; East River; Sapinero Creek; Quartz Creek. *Hinsdale Co.*, Cebolla Creek. *LaPlata Co.*, Lightner Creek; Los Pinos River. *Larimer Co.*, Cache La Poudre River. *Montezuma Co.*, Dolores River. *Montrose Co.*, Cimarron Creek. *Ouray Co.*, Uncompahgre River. *Routt Co.*, Bear River; Yampa River; Butcher Knife Creek; East Fork Elk River; West Fork Elk River; Elk River; Fish Creek; Little Snake River; Oak Creek; Soda Creek; Spring Creek; Trout Creek; Walton Creek; Big Creek; Hinman Creek; Hot Springs Creek; North Fork Elk River; Mad Creek; Willow Creek; Elkhead Creek. *Saguache Co.*, Cochetopa Creek.Genus *Isogenus*Subgenus *Cultus*46. *I. aestivalis* Needham and Claassen

Distribution: *Archuleta Co.*, Piedra River. *Garfield Co.*, Roaring Fork River. *Grand Co.*, Colorado River. *Gunnison Co.*, Curecanti Creek; Lake Fork Gunnison River; Cebolla Creek; Soap Creek; West Elk Creek; Red Creek; Gunnison River; Steuben Creek; Beaver Creek; Tomichi Creek; Slate River. *Hinsdale Co.*, Lake Fork Gunnison River. *Larimer Co.*, Bed Springs; Cache La Poudre River; Little South Fork Poudre River; Beaver Creek. *Moffat Co.*, Yampa River. *Montrose Co.*, Cimarron Creek. *Rio Blanco Co.*, White River. *Routt Co.*, Yampa River; East Fork Elk River; Fish Creek. *Saguache Co.*, Chochetopa Creek; Marshall Creek.

47. *I. pilatus* (Frison)

Distribution: *Larimer Co.*, Estes Park.

Subgenus *Isogenoides*

48. *I. colubrinus* Hagen

Distribution: *Archuleta Co.*, Piedra River. *Gunnison Co.*, Blue Creek; West Fork Cimarron Creek; Tomichi Creek; Beaver Creek; Soap Creek; Gunnison River. *Hinsdale Co.*, Lake Fork Gunnison River. *Moffat Co.*, Yampa River. *Routt Co.*, Yampa River.

49. *I. elongatus* Hagen

Distribution: *Archuleta Co.*, West Fork San Juan River. *Boulder Co.*, South Boulder Creek. *Conejos Co.*, Conejos River. *Gunnison Co.*, East Fork Cimarron Creek; West Fork Cimarron Creek; West Fork Cimarron Creek; Blue Creek; Lake Fork Gunnison River; Cebolla Creek; Soap Creek; West Elk Creek; Willow Creek; Beaver Creek; Gunnison River; Tomichi Creek; Slate River. *Hinsdale Co.*, Lake Fork Gunnison River; Cebolla Creek. *Larimer Co.*, Cache La Poudre River. *Mesa Co.*, Colorado River. *Montrose Co.*, Cimarron Creek; Crystal Creek. *Ouray Co.*, Uncompahgre River. *Routt Co.*, Yampa River. *Saguache Co.*, Chochetopa Creek.

50. *I. zionensis* Hanson

Distribution: *Gunnison Co.*, Lake Fork Gunnison River.

Subgenus *Kogotus*

51. *I. modestus* (Banks)

Distribution: *Boulder Co.*, Middle St. Vrain Creek; North St. Vrain Creek; Rock Creek; Fawn Brook; Left Hand Creek; Boulder. *Clear Creek Co.*, Idaho Springs; Blue Creek. *Eagle Co.*, Eagle River. *Gilpin Co.*, South Fork Boulder Creek; Tolland. *Gunnison Co.*, Cement Creek; Slate River. *Hinsdale Co.*, Hensen Creek; Lake Fork Gunnison River. *Larimer Co.*, Hidden Valley Creek; Mill Creek; Cache La Poudre River; Estes Park; Fall River; Glacier Creek; Beaver Creek. *Rio Blanco Co.*, White River. *Routt Co.*, Coulton Creek; Toponas Creek. *Summit Co.*, Blue River. *Teller Co.*, Florissant.

Subgenus *Pictetiella*

52. *I. expansa* (Banks)

Distribution: *Gilpin Co.*, Tolland. *Larimer Co.*, Big Thompson River. *Park Co.*, Grant.

Genus *Isoperla*

53. *I. bilineata* (Say)

Distribution: Listed from Colorado by Needham and Claassen (1925).

54. *I. ebria* (Hagen)

Distribution: *Boulder Co.*, Corona Pass; South Boulder Creek. *Gilpin Co.*, Tolland. *Larimer Co.*, Fall River; Little South Fork Poudre River. *Routt Co.*, Green Creek. *Teller Co.*, Florissant. *Gunnison Co.*, Tomichi Creek. *Delta Co.*, Grand Mesa.

55. *I. fulva* Claassen

Distribution: *Chaffee Co.*, Arkansas River. *Delta Co.*, Grand Mesa. *Clear Creek Co.*,

Chicago Creek. *Eagle Co.*, Eagle River; East Lake Creek. *Grand Co.*, Colorado River; North Fork Colorado River. *Gunnison Co.*, West Fork Cimarron Creek; Blue Creek; Lake Fork Gunnison River; Myers Gulch; Curecanti Creek; Gunnison River; Soap Creek; West Elk Creek; Red Creek; East Elk Creek; Steuben Creek; Tomichi Creek; Taylor River; East River; Slate River. *Hinsdale Co.*, Lake Fork Gunnison River; Cebolla Creek; Spring Creek. *LaPlata Co.*, Lightner Creek. *Larimer Co.*, Michigan River; Cache La Poudre River; Fall River. *Mesa Co.*, West Creek. *Montrose Co.*, Cimarron Creek. *Routt Co.*, Bear River; Yampa River; Butcher Knife Creek; Elk River; Green Creek; Middle Hunt Creek; Morrison Creek; Oak Creek; Spring Creek; Trout Creek; Walton Creek; Big Creek; Burgess Creek; Hot Springs Creek; Mad Creek; North Fork Elk River. *Saguache Co.*, Cochetopa Creek. *Summit Co.*, Blue River.

56. *I. longiseta* Banks

Distribution: *Archuleta Co.*, San Juan River; Piedra River. *Grand Co.*, Colorado River. *Huerfano Co.*, LaVeta Pass. *Moffat Co.*, Yampa River.

57. *I. mormona* Banks

Distribution: *Archuleta Co.*, Los Pinos River; Piedra River; San Juan River. *Delta Co.*, Gunnison River. *Gunnison Co.*, Steuben Creek. *Rio Blanco Co.*, White River.

58. *I. patricia* Frison

Distribution: *Arapaho Co.*, South Boulder Creek. *Archuleta Co.*, Piedra River. *Boulder Co.*, St. Vrain River. *Chaffee Co.*, Arkansas River. *Eagle Co.*, Eagle River. *Garfield Co.*, Roaring Fork River. *Grand Co.*, Colorado River. *Gunnison Co.*, Blue Creek; Lake Fork Gunnison River; West Elk Creek; Red Creek; Cebolla Creek; Gunnison River; Steuben Creek; Beaver Creek; Tomichi Creek; Iola. *Hinsdale Co.*, Cebolla Creek. *Mesa Co.*, Colorado River. *Moffat Co.*, Yampa. *Montezuma Co.*, Chicken Creek. *Montrose Co.*, Cimarron Creek; Mesa Creek; Uncompahgre River. *Ouray Co.*, Cow Creek. *Park Co.*, Hartzell; Lake George. *Rio Blanco Co.*, White River. *Routt Co.*, Yampa River; East Fork Elk River; Little Snake River; Soda Creek. *Saguache Co.*, Cochetopa Creek; Marshall Creek. *Larimer Co.*, Cache La Poudre River. *Delta Co.*, Gunnison River.

59. *I. phalerata* Smith

Distribution: *Grand Co.*, Willow Creek Pass.

60. *I. pinta* Frison

Distribution: *Grand Co.*, Colorado River; Troublesome Creek. *Gunnison Co.*, Soap Creek; Willow Creek; South Beaver Creek. *Routt Co.*, Yampa River. *Saguache Co.*, Cochetopa Creek.

61. *I. quinquepunctata* (Banks)

Distribution: *Archuleta Co.*, Piedra River. *Gilpin Co.*, Tolland. *Rio Blanco Co.*, White River. *Routt Co.*, Yampa River.

62. *I. sobria* (Hagen)

Distribution: Hagen (1874) lists the type locality as "Colorado Mountains, Pacific Slope."

Genus *Diura*

Subgenus *Dolkrila*

63. *D. knowltoni* (Frison)

Distribution: *Grand Co.*, North Fork Colorado River; Fraser River. *Gunnison Co.*, Soap Creek; West Elk Creek; East River. *Hinsdale Co.*, Lake Fork Gunnison River; Cebolla Creek; Hensen Creek. *Larimer Co.*, Fall River; Mill Creek; Thompson River. *Mineral Co.*, no location. *Moffat Co.*, Spring Creek. *Routt Co.*, Yampa River; Elk River; Fish Creek; Soda Creek; Spring Creek; Walton Creek; Hinman Creek; Mad Creek; North Fork Elk River. *Chaffee Co.*, Bellows Creek.



Stark, Bill P., Oblad, Briant R., and Gaufin, Arden Rupert. 1973. "An annotated list of the stoneflies (Plecoptera) of Colorado. Part 1." *Entomological news* 84, 269–277.

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