

Rare aquatic macroinvertebrates occupying springs, lakes, & streams in the Great Basin and surrounding areas (exclusive of bivalves and ostracods, and taxa occupying high elevation cold springs). * denotes species with extirpated population(s) during the last decade.

		No. of Known	
Mollusks	Range	Localities	References
<i>Assiminea infirma</i>	Death Valley, CA; Ash Meadows, NV	3	Hershler 1987; Sada 2001
<i>Assiminea</i> sp.	Blue Point Spg., Clark Co., NV	1	J.J. Landye field notes, 1971
<i>Colligyrus depressus</i>	Harney Lake basin, SE OR	1	Hershler 1999
<i>Eremopygus eganensis</i>	Steptoe Valley, NV	5	Hershler 1999
<i>Fiuminicolia dalli</i>	West Side, Pyramid Lake drainages, NV	3(?)	Hershler and Frest 1996; Hershler 1999
<i>Fiuminicolia coloradensis</i>	Bear R. drainage, UT, Green River system, WY	~20	Hershler 1999
<i>Fiuminicolia turbiniformis</i>	Eastcentral CA; NW NV; SE OR	> 40	Hershler and Frest, 1996; Hershler 1999
<i>Fiuminicolia modoci</i>	Goose L. Drainage, NE CA, SE OR	2	Hershler and Frest, 1996; Hershler 1999
<i>Fiuminicolia insolitus</i>	Donner & Blitzen R., SE OR	1	Hershler 1999
<i>Fiuminicolia virginius</i>	Virginia Mtns., Washoe Co., NV	1	Hershler 1999
<i>Ionobius robustus</i>	Death Valley, CA	2	Hershler 1989, 2001; Sada and Herbst 2000; Hershler 2001
<i>Pristinocola hemphilli</i>	Snake R. drainage, Harney basin SE OR	?	Hershler 1999
<i>Pyrgulopsis aardhali</i>	Benton Valley, CA	1	Hershler 1989
<i>Pyrgulopsis aloba</i>	Railroad Valley, NV	3	Hershler 1998
<i>Pyrgulopsis amargosae</i>	Lower Amargosa River basin, CA	4	Hershler 1989
<i>Pyrgulopsis amatina</i>	Railroad Valley, NV	1	Hershler 1998
<i>Pyrgulopsis anguina</i>	Snake Valley, NV & UT	2	Hershler 1998
<i>Pyrgulopsis angustae</i>	Antelope Valley, Lander Co., NV	1	Hershler 1998
<i>Pyrgulopsis aurata</i>	Pleasant Valley, Pershing Co., NV	1	D.W. Sada field notes 1996; Hershler 1998
<i>Pyrgulopsis avernalis</i>	Moapa, Clark Co., NV	~5	Hershler 1994, 1998; Sada and Herbst 1999; Sada 2000a
<i>Pyrgulopsis basiglans</i>	Carico Lake Basin, NV	2	Hershler 1998
<i>Pyrgulopsis bifurcata</i>	Carico Lake Basin, NV	1	Hershler 1998
<i>Pyrgulopsis breviloba</i>	Dry Lake Valley, NV	2	Hershler 1998
<i>Pyrgulopsis bruesi</i>	Hualapai Flat, Washoe Co., NV	1	Hershler and Sada 2000
<i>Pyrgulopsis bryantwalkeri</i>	Humbolt R. basin near Carlin	1	D.W. Sada field notes 1991; Hershler 1994
<i>Pyrgulopsis carinata</i>	Little Warm Spg., Railroad Valley, NV	1	Hershler 1998
<i>Pyrgulopsis carinifera</i>	Moapa, Clark Co., NV	~5	Hershler 1994, 1998; Sada and Herbst 1999; Sada 2000a
<i>Pyrgulopsis chamberlini</i>	Sevier R. drainage, UT	2	Hershler 1998
<i>Pyrgulopsis coloradensis</i> *	Blue Point Spg., Clark Co., NV	0*	Hershler 1998
<i>Pyrgulopsis cruciglans</i>	Steptoe V., Antelope V., NV; Bonneville Basin	4	Hershler 1998
<i>Pyrgulopsis cristalis</i>	Ash Meadows, NV	1	Sada 1985; Hershler and Sada 1987; D.W. Sada field notes 1997
<i>Pyrgulopsis deaconi</i> *	Spring Mtns., Clark Co., NV	4*	Hershler 1998, Sada and Nachlinger 1998
<i>Pyrgulopsis dixiensis</i>	Dixie Valley, NV	1	D.W. Sada field notes 1991; Hershler 1998

Mollusks	Range	No. of Known Localities	References
<i>Pyrgulopsis erythronica</i>	Smoke Ck., upper Pit R., Eagle L., CA	?	Hershler 1995
<i>Pyrgulopsis erythropoma</i>	Ash Meadows, NV	5	Sada 1985; Hershler and Sada 1987
<i>Pyrgulopsis fairbanksensis</i>	Ash Meadows, NV	1	Hershler and Sada 1987
<i>Pyrgulopsis fausta</i>	Corn Ck. Spgs., Desert NWR, Clark Co., NV	2	Hershler 1998
<i>Pyrgulopsis fusca</i>	Otter Ck. drainage, UT	3	Hershler 1998
<i>Pyrgulopsis gibba</i>	Western GB, CA, OR, NV	~70	Hershler 1995; Hershler 1998
<i>Pyrgulopsis gracilis</i>	White River Valley, NV	2	Hershler 1998
<i>Pyrgulopsis hendersoni</i>	South eastern Oregon	~50	Hershler 1994; Hershler 1998, Hershler & Liu 2004
<i>Pyrgulopsis hamlinensis</i>	Hamlin Valley, UT	2	Hershler 1998
<i>Pyrgulopsis hovinghi</i>	Thousand Springs Creek drainage, NV	1	Hershler 1998
<i>Pyrgulopsis hubbsi</i> *	Pahranaagat Valley, Hiko & Crystal Spgs.	1*	Courtenay et al. 1985; Hershler 1998
<i>Pyrgulopsis humboldtensis</i>	Marys River drainage, NV	4	Hershler 1998
<i>Pyrgulopsis inopinata</i>	Sevier R. drainage, eastern Bonneville basin, UT	3	Hershler 1998
<i>Pyrgulopsis imperalis</i>	Black Rock Desert, Kings River Valley, NV	2	Hershler 1998
<i>Pyrgulopsis isolatus</i>	Ash Meadows, NV	1	Sada 1985; Hershler and Sada 1987
<i>Pyrgulopsis intermedia</i>	Barren Valley, SE OR	2	Hershler 1998
<i>Pyrgulopsis kolobensis</i>	North and eastern Great Basin	~75	Hershler 1998
<i>Pyrgulopsis landeyi</i>	Steptoe Valley, NV	1	Hershler 1998
<i>Pyrgulopsis lata</i>	White River Valley, NV	1	Hershler 1998
<i>Pyrgulopsis lentigilans</i>	Thousand Springs Creek drainage, NV	2	Hershler 1998
<i>Pyrgulopsis leporina</i>	Upper Humboldt R. drainage + Ruby Valley, NV	2	Hershler 1998
<i>Pyrgulopsis limaria</i>	Soldier Meadow, NV	3	D.W. Sada field notes 1996; Hershler 1998
<i>Pyrgulopsis lockensis</i>	Lockes Ranch, Railroad Valley, NV	1	Hershler 1998
<i>Pyrgulopsis longae</i>	Long Valley, CA	1	Hershler 1995
<i>Pyrgulopsis longigilans</i> *	Western Lahontan Basin	~20	D.W. Sada field notes 1996; Hershler 1998
<i>Pyrgulopsis Longstreet Spring'</i>	Ash Meadows, NV	0	Taylor 1980; Sada 1985
<i>Pyrgulopsis maricda</i>	White River & Cave Valleys, NV	7	Hershler 1998
<i>Pyrgulopsis merriami</i>	Pahranaagat Valley, Ash Spgs.	3	Hershler 1994
<i>Pyrgulopsis micrococcus</i> *	SE CA, SW NV, Death V. System	~25	Sada 1985; Hershler and Sada 1987; Hershler 1989, Liu et al. 2003
<i>Pyrgulopsis millenaria</i>	Thousand Springs Creek drainage, NV	1	Hershler 1998
<i>Pyrgulopsis milleris</i>	Soldier Meadow, NV	2	D.W. Sada field notes 1996; Hershler 1998
<i>Pyrgulopsis montana</i>	Upper Meadow Valley Wash, NV	1	Hershler 1998
<i>Pyrgulopsis nanus</i>	Ash Meadows, NV	4	Sada 1985; Hershler and Sada 1987
<i>Pyrgulopsis neritella</i>	Steptoe Valley, NV	2	Hershler 1998
<i>Pyrgulopsis nevadensis</i>	Pyramid & Walker Lakes, NV	0	Galat et al. 1981; Hershler 1994

	Mollusks	Range	No. of Known Localities	References
	<i>Pyrgulopsis nonaria</i>	Sampele Reservoir, UT	2	Hershler 1998
	<i>Pyrgulopsis notidicola</i>	Soldier Meadow, NV	3	Hershler 1998, Sada et al. 2000, Sada & Powell 2001
	<i>Pyrgulopsis orbiculata</i>	Steptoe Valley, NV	2	Hershler 1998
	<i>Pyrgulopsis owensensis</i>	Owens Valley, CA	6	Hershler 1989; Hershler and Pratt 1990, USFWS 1999
	<i>Pyrgulopsis papillata</i>	Duckwater-Spgs, Railroad Valley, NV	2	Hershler 1998
	<i>Pyrgulopsis peculiaris</i>	Snake V., NV & UT, Sevier R. drainage, UT	8	Hershler 1998
	<i>Pyrgulopsis perturbata</i>	Antelope Valley, Eureka Co., NV	1	Hershler 1998
	<i>Pyrgulopsis plicifis</i>	Owens Valley, CA	1	Hershler 1989
	<i>Pyrgulopsis planulata</i>	Antelope Valley, Lander Co., NV	1	Hershler 1998
	<i>Pyrgulopsis pilsburyana</i>	Bear River drainage, UT	?	Hershler 1998
	<i>Pyrgulopsis pisteri</i>	Ash Meadows, NV	3	Hershler and Sada 1987
	<i>Pyrgulopsis planulata</i>	Steptoe Valley, NV	1	Hershler 1998
	<i>Pyrgulopsis plicata</i>	East Fk. Sevier R., UT	1	Hershler 1998
	<i>Pyrgulopsis robusta</i>	Columbia R., Northern Great Basin	>15	Hershler & Liu 2004
	<i>Pyrgulopsis ruinosa*</i>	Fish Lake Valley, NV	1	D.W. Sada field notes 1992; Hershler 1998
	<i>Pyrgulopsis sadai</i>	Reese R. V., Buffalo V., Snake R. Plain, NV	6	Hershler 1998
	<i>Pyrgulopsis sathos</i>	White River Valley, NV	4	Courtenay et al. 1985; Hershler 1998
	<i>Pyrgulopsis saxatilis</i>	Snake Valley, UT	1	Hershler 1998
	<i>Pyrgulopsis serrata</i>	Steptoe Valley, NV	4	Hershler 1998
	<i>Pyrgulopsis sterralis</i>	Ralston & Stone Cabin Valleys, NV	2	D.W. Sada field notes 1992; Hershler 1998
	<i>Pyrgulopsis subblata</i>	Lake Valley, NV	2	Hershler 1998
	<i>Pyrgulopsis sulcata</i>	Steptoe Valley, NV	2	Hershler 1998
	<i>Pyrgulopsis transversa</i>	southern Bonneville basin, UT	6	Hershler 1998
	<i>Pyrgulopsis turbatix*</i>	Spring Mtns., Clark Co., NV	~10	Hershler 1998, Sada and Nachlinger 1998
	<i>Pyrgulopsis umbilicata</i>	Soldier Meadows, NV	4	D.W. Sada field notes 1996; Hershler 1998
	<i>Pyrgulopsis variegata</i>	Pilot Cr. Valley, western UT	~12	Hershler 1998
	<i>Pyrgulopsis villacampae</i>	Duckwater-Spgs, Railroad Valley, NV	2	Hershler 1998
	<i>Pyrgulopsis vinyardi</i>	Squaw Valley, NV	2	Hershler 1998
	<i>Pyrgulopsis wongi*</i>	Owens Valley, Fish Lake Valley, etc., CA & NV	~40	Hershler 1989; Hershler and Pratt 1990
	<i>Tyonia angulata</i>	Ash Meadows, NV	3	Sada 1985; Hershler and Sada 1987
	<i>Tyonia clathrata</i>	Moapa, White R. Valley, Pahrnanagat Valley	~15	Hershler 1999; Sada and Herbst 1999; Sada 2000a
	<i>Tyonia elata</i>	Ash Meadows, NV	2	Sada 1985; Hershler and Sada 1987
	<i>Tyonia ericae</i>	Ash Meadows, NV	2	Hershler and Sada 1987
	<i>Tyonia margae</i>	Death Valley, CA	2	Hershler 1989; Pratt and Hoff 1992
	<i>Tyonia montiorae</i>	Monitor Valley, NV	2	Hershler 1999
	<i>Tyonia porreca</i>	Owens basin, CA, Salton Basin, etc.	~20	Hershler 1999, Hershler et al. 1999, Hershler 2001
	<i>Tyonia rowlandsi</i>	Death Valley, CA	1	Hershler 1989

			No. of Known Localities	References
Mollusks	Range			
<i>Tryonia salina</i>	Death Valley, CA		1	Hershler 1989; Sada and Deacon 1995
<i>Tryonia variegata</i>	Amargosa R. drainage, NV & CA		5	Sada 1985; Hershler and Sada 1987; Hershler 1989
<i>Tryonia</i> sp.	Southern Steptoe V., NV		?	Hershler et al. 1999
Aquatic Insects				
<i>Ambrysus amargosus</i>	Ash Meadows, NV		1	La Rivers 1953; Scopettone et al. 1995
<i>Ambrysus funebris</i>	Death Valley, CA		2	La Rivers 1948; Pratt and Hoff 1992; Polhemus and Polhemus 1995
<i>Ambrysus relictus</i>	Ash Meadows, NV		~5	Polhemus and Polhumus 1994
<i>Belostoma saratogae</i>	Nevada & Death Valley, CA		~10(?)	Pratt and Hoff 1992; Polhemus and Polhemus 1995
<i>Lepidostoma castellanum</i>	White Mtns, CA		1	Weaver & Myers 1998
<i>Lepidostoma ojarum</i>	White Mtns, CA & Mineral Co., NV			Weaver & Myers 1998
<i>Limnocoelis moapensis</i>	Moapa, NV		~5	Sada & Herbst 1999
<i>Microcyleopus formicoides</i>	Death Valley, CA		2	Shepard 1990; Pratt and Hoff 1992; Sada and Herbst 2000
<i>Microcyleopus moapus moapus</i>	Moapa, NV		~5	La Rivers 1949; Sada and Herbst 1999
<i>Microcyleopus moapus fraxinus</i>	Pahranaagat Valley, Ash Spgs.		1	La Rivers 1949
<i>Microcyleopus similis</i>	Western U.S.		Many	Shepard 1990
<i>Pelocooris biimpressus biimpressus</i>	W. N. Amer., incl. Death V., Ash Mdws.		Many	Polhemus and Sites 1995
<i>Pelocooris biimpressus shoshone</i>	Death, Railroad, Pahranaagat, Moapa, Blue Pt. Spg.		~20	Polhemus and Sites 1995
<i>Stenelimis calida</i>	Ash Meadows, NV		5	Chandler 1949; Shepard 1992; Schumde 1999
<i>Stenelimis lariversi</i>	Pahranaagat Valley, Ash Spgs.		1	Schumde 1999
<i>Stenelimis moapa</i>	Moapa, NV		~5	Schumde 1999
Amphipods				
<i>Stygobromus herbsti</i>	Ruby Marsh NWR, NV		16	Sada et al. 2000, Wang and Holsinger 2001
<i>Stygobromus hubbsi</i>	Harney Lake basin, SE OR		1	Holsinger 1974
<i>Stygobromus sheldoni</i>	Upper Truckee River, CA		4	Holsinger 1974
<i>Stygobromus tahoenis</i>	Lake Tahoe, CA & NV		1	Holsinger 1974
<i>Stygobromus laticolus</i>	Lake Tahoe, CA & NV		1	Holsinger 1974
<i>Stygobromus</i> sp. nv.	Owens Valley, CA		1	Sada and Herbst 2001
<i>Hyalella sandra</i>	Death Valley, CA		3	Baldinger et al. 2000; Sada and Herbst 2000
<i>Hyalella muerta</i>	Death Valley, CA		1	Baldinger et al. 2000; Sada and Herbst 2000
Crustaceans				
<i>Artemia monica</i>	Mono Lake, CA		1	Jellison, et al. 1993