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A CHECK-LIST

OF THE

FISHES AND FISH-LIKE VERTEBRATES

OF

NORTH AND MIDDLE AMERICA.

BY

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Subgenus LORICARIA Linnæus.

265. *Loricaria variegata* Steindachner.

Rio Mamoni, Panama.

Loricaria variegata Steindachner, Flussfische Südamer., 1, 15, 1879, Rio Mamoni, Panama.

Genus 85. HEMIANCISTRUS Bleeker.

Hemiancistrus Bleeker, Tijdschr. Dierk., 1, 78, 1863 (*medians*).266. *Hemiancistrus guacharote* (Cuvier & Valenciennes).

Porto Rico.

Hypostomus guacharote Cuvier & Valenciennes, Hist. Nat. Poiss., xv, 508, 1840, Porto Rico.267. *Hemiancistrus aspidolepis* (Günther).

Veragua.

Chaetostomus aspidolepis Günther, Fishes Central Amer., 478, 1869, Veragua.

Genus 86. CHÆTOSTOMUS Kner.

Chaetostomus Kner, Hypostomiden, 272, 1853 (*loborhynchus*).268. *Chaetostomus fischeri* Steindachner. Couchu.

Rio Mamoni, near Panama.

Chaetostomus fischeri Steindachner, Flussfische Südamer., 1, 14, 1879, Rio Mamoni, Panama.

Genus 87. ANCISTRUS Kner.

Ancistrus Kner, Hypostomiden, 272, 1853 (*oirrhosus*).269. *Ancistrus chagresi* Eigenmann & Eigenmann.

Rio Chagres, Panama.

Ancistrus chagresi Eigenmann & Eigenmann, Proc. Cal. Ac. Sci. 1889, 47, Rio Chagres, Panama.

Order N. PLECTOSPONDYLI. The Carp-like Fishes.

Suborder EVENTOGNATHI. The Carpa.

Family XXXVI. CATOSTOMIDÆ. The Suckers.

Genus 88. ~~ICTIOBUS~~ Rafinesque. ^{ICTIOBUS} Buffalo-fishes. ~~ANABLODON~~ Raf*Ictiobus* Rafinesque, Ichth. Ohnensis, 55, 1820 (*bubalus*).Subgenus ~~SELEROGNATHUS~~ Cuvier & Valenciennes. ^{genus SCLEROGNATHUS} *Megatomatobus* Fowler.*Sclerognathus* Cuvier & Valenciennes, Hist. Nat. Poiss., xvii, 477, 1844 (*cyprinella*).270. *Ictiobus cyprinella* (Cuvier & Valenciennes). ^{*cyprinus* as *vari.* by Agassiz} Red-mouth Buffalo-fish; Common Buffalo-fish.

Mississippi Valley.

Sclerognathus cyprinella Cuvier & Valenciennes, Hist. Nat. Poiss., xvii, 477, 1844, Lake Pontchartrain, Louisiana.Subgenus ~~ICTIOBUS~~ Rafinesque. ^{ICTIOBUS}271. *Ictiobus urus* (Agassiz). ^{f. *Bairdii* dityp} Mongrel Buffalo.

Mississippi Valley.

Carpodes urus Agassiz, Amer. Jour. Sci. Arts 1854, 355, Tennessee River, Huntsville, Alabama.272. *Ictiobus meridionalis* (Günther).

Rio Usumacinta, Guatemala.

Sclerognathus meridionalis Günther, Cat., vii, 23, 1868, Rio Usumacinta, Guatemala.

273. *Ictiobus bubalus* (Rafinesque). *Small-mouthed Buffalo; Razor-backed Buffalo; Sucker-mouthed Buffalo.*
Mississippi Valley and southward.
Ambloton bubalus Rafinesque, Jour. Phys. 1818, 421, Ohio River.

Genus 89. *CARPIODES* Rafinesque.

Carpiodes Rafinesque, Ichth. Ohiensis, 56, 1820 (*cyprinus*).

274. *Carpiodes carpio* (Rafinesque). *Carp Sucker.*
Ohio Valley, southwest to central Texas.
Catostomus carpio Rafinesque, Ichth. Ohiensis, 56, 1820, Falls of Ohio River.
275. *Carpiodes difformis* Cope.
Ohio Valley and westward.
Carpiodes difformis Cope, Proc. Am. Phil. Soc. Phila. 1870, 490, Wabash River.
276. *Carpiodes thompsoni* Agassiz. *Lake Carp; "Drum."*
Lake Champlain and Great Lakes region.
Carpiodes thompsoni Agassiz, Am. Jour. Sci. Arts 1855, 191, Lake Champlain.
277. *Carpiodes velifer* (Rafinesque). *Quillback; Spearfisk; Sailfish; Skimbark.*
Mississippi Valley and southwestward to Rio Grande and upper Missouri.
Catostomus velifer Rafinesque, Ichth. Ohiensis, 56, 1820, Ohio River.
278. *Carpiodes cyprinus* (LeSueur). *Eastern Carp Sucker.*
Streams about Chesapeake Bay.
Catostomus cyprinus LeSueur, Jour. Ac. Nat. Sci. Phila., I, 1817, 91, Elk River and other tributaries of Chesapeake Bay.

Genus 90. *CYCLEPTUS* Rafinesque. *Blackhorse.*

Cycleptus Rafinesque, Jour. Phys. 1819, 421 (*nigrescens*).

279. *Cycleptus elongatus* (LeSueur). *Blackhorse; Gourd-seed Sucker; Missouri Sucker; Suckerel.*
Upper Mississippi Valley.
Catostomus elongatus LeSueur, Jour. Ac. Nat. Sci. Phila., I, 1817, 103, Ohio River.

Genus 91. *PANTOSTEUS* Cope. *Mountain Suckers.*

Pantosteus Cope, Lieut. Wheeler's Expl. W. 100th Mer., v, 673, 1876 (*platyrhynchus* = *generosus*).

280. *Pantosteus arizonæ* Gilbert. *= clarkii*
Gila Basin, Arizona.
Pantosteus arizonæ Gilbert, in Jordan & Evermann, Fish. N. and M. Amer., 170, 1896, Salt River, Tempe, Arizona.
281. *Pantosteus generosus* (Girard). *Mountain Sucker.*
Great Basin of Utah. *Colorado Basin*
Catostomus generosus Girard, Proc. Ac. Nat. Sci. Phila. 1856, 174, Cottonwood Creek, Utah. *not Utah - Eastern United States*
282. *Pantosteus plebeius* (Baird & Girard).
Basin of the Rio Grande.
Catostomus plebeius Baird & Girard, Proc. Ac. Nat. Sci. Phila. 1854, 28, Rio Mimbres, a tributary of Lake Guzman, Chihuahua.
283. *Pantosteus delphinus* (Cope). *Blue-headed Sucker.*
Mountain streams tributary to the Colorado River in western Colorado and Wyoming.
Minomus delphinus Cope, Hayden's Geol. Surv. Wyoming for 1870 (1872), 435, probably Henry Fork of Green River, Wyoming.
284. *Pantosteus guzmaniensis* (Girard).
Streams of Coahuila and Chihuahua tributary to the Rio Grande.
Catostomus guzmaniensis Girard, Proc. Ac. Nat. Sci. Phila. 1856, 173, Rio Janos, a tributary of Lake Guzman, Chihuahua.

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285. *Pantosteus jordani* Evermann.
Upper Missouri and Columbia River basins.
Pantosteus jordani Evermann, Bull. U. S. Fish Com. 1892 (January 27, 1893), 51,
Whitewood Creek and other streams of the Black Hills, South Dakota.
286. *Pantosteus aræopus* (Jordan).
Kern River, California; Carson River and Reese River, Nevada.
Catostomus aræopus Jordan, Bull. U. S. Nat. Mus., xii, 173, 1878, Kern River,
California.
287. *Pantosteus clarki* (Baird & Girard).
Rio Gila and tributaries in Arizona.
Catostomus clarki Baird & Girard, Proc. Ac. Nat. Sci. Phila. 1854, 27, Rio Santa
Cruz, Gila Basin, Arizona.

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Genus 92. **CATOSTOMUS** LeSueur. *Fine-scaled Suckers*.
Catostomus LeSueur, Jour. Ac. Nat. Sci. Phila., i, 1817, 89 (*catostomus*).

Subgenus **CATOSTOMUS** LeSueur.

288. *Catostomus latipinnis* Baird & Girard. *Flannel-mouthed Sucker*.
Rio Colorado and Rio Gila and their tributaries.
Catostomus latipinnis Baird & Girard, Proc. Ac. Nat. Sci. Phila. 1853, 388, Rio
San Pedro, Gila Basin.
289. *Catostomus discobolus* Cope.
Upper Colorado Basin.
Catostomus discobolus Cope, Hayden's Geol. Surv. Wyo., 435, 1870 (1872), Green
River, Wyoming.
290. *Catostomus griseus* (Girard).
Platte River and upper Missouri region.
Acomus griseus Girard, Proc. Ac. Nat. Sci. Phila. 1856, 174, Sweetwater Fork
of Platte River, Wyoming.
291. *Catostomus retropinnis* Jordan.
Northern Montana.
Catostomus retropinnis Jordan, Bull. U. S. Nat. Mus., xii, 178, 1878, Milk River,
Montana.
292. *Catostomus pocatello* Gilbert & Evermann. *Moogadee*.
Upper Snake River basin; the type from near Pocatello, Idaho.
Catostomus pocatello Gilbert & Evermann, Bull. U. S. Fish Com. 1894, 189,
pl. 21, fig. 1, Ross Fork of Snake River, near Pocatello, Idaho.
293. *Catostomus catostomus* (Forster). *Long-nosed Sucker*; *Northern Sucker*; *Red
Sucker*.
Great Lakes, upper Missouri River, upper Columbia, and northwestward to
Alaska; very abundant northward, but not coming south of latitude 40°. *Cyprinus
catostomus* Forster, Phil. Trans. 1773, 155, streams about Hudson
Bay.
294. *Catostomus tahoensis* Gill & Jordan. *Tahoe Sucker*.
Lake Tahoe and Humboldt River at Winnemucca, Nevada.
Catostomus tahoensis Gill & Jordan, in Jordan, Bull. U. S. Nat. Mus., xii, 173,
1878, Lake Tahoe, California.
295. *Catostomus rex* R. S. Eigenmann.
Lost River, Tule Lake, Oregon.
Catostomus rex Rosa Smith Eigenmann, Am. Nat., July, 1891, 667, Lost River,
Oregon.

Subgenus **DECACTYLUS** Rafinesque.

Decactylus Rafinesque, Ichth. Ohiensis, 60, 1820 (*bostoniensis* = *commersonii*)

296. *Catostomus labiatus* Ayres.
Klamath Lake, Oregon.
Catostomus labiatus Ayres, Proc. Cal. Ac. Sci. 1855, 32, Klamath Lake, Oregon.

Stockton Cal

297. *Catostomus occidentalis* Ayres. *Sacramento Sucker*.
Streams of California; Sacramento and San Joaquin rivers.
Catostomus occidentalis Ayres, Proc. Cal. Ac. Sci. 1854, 18, San Francisco.
298. *Catostomus bernardini* Girard.
San Bernardino Creek, a tributary of Rio Yaqui, on the boundary of
Arizona and Sonora.
Catostomus bernardini Girard, Proc. Ac. Nat. Sci. Phila. 1856, 175, San Ber-
nardino Creek, Arizona.
299. *Catostomus macrocheilus* Girard. *Columbia River Sucker*.
Columbia River basin as far up as Flathead Lake, Montana, Upper Salmon
Falls, and the headwaters of Salmon River.
Catostomus macrocheilus Girard, Proc. Ac. Nat. Sci. Phila. 1856, 175, Astoria,
Oregon.
300. *Catostomus commersonii* (Lacépède). *Common Sucker; White Sucker; Brook
Sucker; Fine-scaled Sucker*.
Quebec and the Great Lakes to Montana, Colorado, and southward to
Missouri and Georgia.
Cyprinus commersonii Lacépède, Hist. Nat. Poiss., v, 502, 1803, locality un-
known.
301. *Catostomus ardens* Jordan & Gilbert. *Mullet of Utah Lake*.
Great Basin of Utah and upper Snake River, Idaho.
Catostomus ardens Jordan & Gilbert, Proc. U. S. Nat. Mus. 1880, 464, Utah
Lake, Provo, Utah.
302. *Catostomus gila* Kirsch. *~ insignis*
Rio Gila, Arizona.
Catostomus gila Kirsch, Proc. U. S. Nat. Mus. 1888, 555, Rio Gila, Fort Thomas,
Arizona.
303. *Catostomus insignis* Baird & Girard.
Gila Basin, Arizona.
Catostomus insignis Baird & Girard, Proc. Ac. Nat. Sci. Phila. 1854, 28, Rio
San Pedro, Arizona.
- Genus* ^{subgenus} *HYPENTELIUM* Rafinesque.
Hypentelium Rafinesque, Jour. Ac. Nat. Sci. Phila. 1818, 421 (*macropterum* =
nigricans).
304. *Catostomus nigricans* LeSueur. *Hog Sucker; Stone-roller; Toter; Crawl-
bottom; Hammer Head; Stone-lugger; Hog Molly*.
New York to Minnesota, Kansas, Arkansas, and the Carolinas.
Catostomus nigricans LeSueur, Jour. Ac. Nat. Sci. Phila. 1817, 102, Lake Erie.
305. *Catostomus rhotæcus* Thoburn.
Eastern Tennessee or southwestern Virginia.
Catostomus rhotæcus Thoburn, in Jordan & Evermann, Fishes North and
Middle America, 181, 1896, supposed to be from French Broad River,
Tennessee.
- Genus 93. *CHASMISTES* Jordan. *شامستيس*
Chasmistes Jordan, Bull. Hayden's Geol. Surv. Terr., iv, No. 2, 417, 1878 (*liorus*).
306. *Chasmistes fecundus* Cope & Yarrow. *Webg Sucker*.
Utah Lake.
Catostomus fecundus Cope & Yarrow, Zool. Wheeler Surv., v, 678, 1876, Utah
Lake.
307. *Chasmistes brevirostris* Cope.
Klamath Lake, Oregon.
Chasmistes brevirostris Cope, Am. Nat. 1879, 785, Klamath Lake, Oregon.
308. *Chasmistes liorus* (Jordan). *June Sucker of Utah Lake*.
Utah Lake.
Chasmistes liorus Jordan, Bull. U. S. Nat. Mus., xii, 2:9, 1878, Utah Lake at
Provo, Utah.

309. *Chasmistes cujus* Cope. *Couia*.
Pyramid Lake, Nevada.
Chasmistes cujus Cope, Proc. Ac. Nat. Sci. Phila. 1883, 149, Pyramid Lake.
- Genus 94. *DELTISTES* Seale.
Deltistes Seale, Proc. Cal. Ac. Sci. 1896 (*luxatus*).
310. *Deltistes luxatus* (Cope).
Klamath Lake and Klamath River, Oregon.
Chasmistes luxatus Cope, Am. Nat. 1879, 784, Klamath Lake.
- Genus 95. *Xyrauchen* Eigenmann & Kirsch. *Razor-back Suckers*.
Xyrauchen Eigenmann & Kirsch, Proc. U. S. Nat. Mus. 1888, 556 (*cypho*).
311. *Xyrauchen cypho* (Lockington). *Razor-back Sucker; Hump-backed Sucker*.
Xyrauchen cypho Lockington, Proc. Ac. Nat. Sci. Phila. 1880, 237, Colorado River at mouth of the Gila, Arizona.
312. *Xyrauchen uncomphagre* Jordan & Evermann.
Uncomphagre River in the Colorado basin.
Xyrauchen uncomphagre Jordan & Evermann, Bull. U. S. Fish Com. 1889 (1891), 26, Uncomphagre River, Delta, Colorado.
- Genus 96. *ERIMYZON* Jordan. *Chub Suckers*.
Erimyzon Jordan, Bull. Buffalo Soc. Nat. Hist., 95, 1876 (*oblongus*).
313. *Erimyzon sucetta* (Lacépède). *Creek-fish; Chub Sucker*.
Great Lakes, Mississippi Valley, and eastward in lakes and lowland streams.
Cyprinus sucetta Lacépède, Hist. Nat. Poiss., v, 606, 1803, South Carolina.
- 313a. *Erimyzon sucetta oblongus* (Mitchill).
Great Lakes region to Maine and Dakota, south to Virginia and Indian Territory.
Cyprinus oblongus Mitchill, Trans. Lit. Phil. Soc. N. Y., 1, 1815, 459, New York.
- Genus 97. *MINYTREMA* Jordan. *Spotted Suckers*.
Minytrema Jordan, Man. Vert. E. U. S., ed. 2, 318, 1878 (*melanops*).
314. *Minytrema melanops* (Rafinesque). *Winter Sucker; Spotted Sucker*.
Great Lakes region to North Carolina, west to Texas.
Catostomus melanops Rafinesque, Ichth. Ohiensis, 57, 1820, Ohio River.
- Genus 98. *MOXOSTOMA* Rafinesque. *Redhorse*.
Moxostoma Rafinesque, Ichth. Ohiensis, 54, 1820 (*anisurum*).
315. *Moxostoma papillosum* (Cope). *White Mullet*.
Dismal Swamp in Virginia to the Ocmulgee River, Georgia.
Ptychostomus papillosum Cope, Proc. Am. Phil. Soc. Phila. 1870, 470, Catawba and Yadkin rivers, North Carolina.
316. *Moxostoma anisurum* (Rafinesque). *White-nosed Sucker*.
Ohio River and Great Lakes region.
Catostomus anisurus Rafinesque, Ichth. Ohiensis, 54, 1820, Ohio River.
317. *Moxostoma collapsum* (Cope).
Lowland streams of North Carolina.
Ptychostomus collapsus Cope, Proc. Am. Phil. Soc. 1870, 471, Neuse, Yadkin, and Catawba rivers, North Carolina.
318. *Moxostoma bucco* (Cope).
Missouri River at St. Joseph.
Ptychostomus bucco Cope, Hayden's Geol. Surv. Wyo., 437, 1872, St. Joseph, Mo.

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319. *Moxostoma pidiense* (Cope).
Great Pedee Basin.
Ptychostomus pidiensis Cope, Proc. Am. Phil. Soc. Phila. 1870, 471, Yadkin River, North Carolina.
320. *Moxostoma coregonus* (Cope). *Blue Mullet*.
Catawba and Yadkin rivers, North Carolina.
Ptychostomus coregonus Cope, Proc. Am. Phil. Soc. Phila. 1870, 472, Catawba and Yadkin rivers.
321. *Moxostoma album* (Cope).
Rivers of North Carolina.
Ptychostomus albus Cope, Proc. Am. Phil. Soc. Phila. 1870, 472, Catawba River.
322. *Moxostoma thalassinum* (Cope).
Yadkin River, North Carolina.
Ptychostomus thalassinus Cope, Proc. Am. Phil. Soc. Phila. 1870, 472, Yadkin River, North Carolina.
323. *Moxostoma congestum* (Baird & Girard). *Texas Redhorse*.
Streams of Texas.
Catostomus congestus Baird & Girard, Proc. Ab. Nat. Sci. Phila. 1854, 27, Rio Salado, Texas.
324. *Moxostoma austrinum* Bean.
Rio de Santiago, Mexico, known from Michoacan, Mexico (west of Sierra Madre); Rio Lerma, at Salamanca.
Myzostoma austrinum Bean, Proc. U. S. Nat. Mus. 1879, 302, Piedad in Morelia, Michoacan, Mexico.
325. *Moxostoma aureolum* (LeSueur). *Common Redhorse; Mullet; White Sucker; Large-scaled Sucker*.
Great Lakes, Mississippi Valley, and other streams west of the Allegheny Mountains, and west to the Dakotas and Manitoba.
Catostomus aureolus LeSueur, Jour. Ac. Nat. Sci. Phila., 1, 1817, 95, Lake Erie, near Buffalo, New York.
326. *Moxostoma robustum* (Cope).
Yadkin River, North Carolina.
Ptychostomus robustus Cope, Proc. Am. Phil. Soc. Phila. 1870, 473, Yadkin River.
327. *Moxostoma macrolepidotum* (LeSueur).
Streams about Chesapeake and Delaware bays, and southward to North Carolina, east of the Alleghenies.
Catostomus macrolepidotus LeSueur, Jour. Ac. Nat. Sci. Phila., 1, 1817, 94, Delaware River.
328. *Moxostoma crassilabre* (Cope).
Streams of eastern North Carolina.
Ptychostomus crassilabris Cope, Proc. Am. Phil. Soc. Phila. 1879, 477, Neuse River, Raleigh, North Carolina.
329. *Moxostoma lesueurii* (Richardson). *Picconou*.
Pine Island Lake and Albany River, British America.
Catostomus lesueurii Richardson, Franklin's Journal, 1823, 772, Pine Island Lake, British America.
330. *Moxostoma breviceps* (Cope).
Ohio Valley and Great Lakes region.
Ptychostomus breviceps Cope, Proc. Am. Phil. Soc. Phila. 1870, 478, Youghiogeny River, Pennsylvania.
331. *Moxostoma conus* (Cope).
Neuse and Yadkin rivers, North Carolina.
Ptychostomus conus Cope, Proc. Am. Phil. Soc. Phila. 1870, 478, Yadkin River.

332. *Moxostoma pæcellurum* Jordan.
Southern Mississippi to eastern Texas; Pearl, Tangipahoa, and Sabine rivers.
Myxostoma pæcellura Jordan, Bull. U. S. Nat. Mus., x, 66, 1877, Tangipahoa River, Louisiana.
333. *Moxostoma rupiscartes* Jordan & Jenkins. *Jump-rocks*.
Rivers of the Carolinas and Georgia from the Catawba to the Chattahoochee River.
Moxostoma rupiscartes Jordan & Jenkins, Proc. U. S. Nat. Mus. 1888, 353, Catawba River, at Marion, N. C., and other streams in North and South Carolina.
334. *Moxostoma cervinum* (Cope). *Jumping Mullet*.
Rivers of the South Atlantic States from the James to the Neuse.
Teretulus cervinus Cope, Jour. Ac. Nat. Sci. Phila. 1868, 236, headwaters of Roanoke and James rivers, Virginia.
- Genus 99. **PLACOPHARYNX** Cope.
Placopharynx Cope, Proc. Am. Phil. Soc. Phila. 1870, 467 (*carinatus* = *duquesnii*).
335. *Placopharynx duquesnii* (LeSueur). *carinatus* Cope.
Michigan (Detroit) to Tennessee, Georgia, and Arkansas.
Catostomus duquesnii LeSueur, Jour. Ac. Nat. Sci. Phila., I, 1817, 105, Ohio River at Pittsburg.
- Genus 100. **LAGOCHILA** Jordan & Brayton. *Rabbit-mouth Suckers*.
Lagochila Jordan & Brayton, Proc. Ac. Nat. Sci. Phila. 1877, 280 (*lacera*).
336. *Lagochila lacera* Jordan & Brayton. *Hare-lip Sucker*; *Cut-lips*; *Split-mouth Sucker*; *May Sucker*; *Rabbit-mouth Sucker*; *Pea-lip Sucker*.
Mississippi Valley, Ozark Mountains, Scioto, Tippecanoe, Clinch, Cumberland and Chickamauga rivers, and the White River of Arkansas.
Lagochila lacera Jordan & Brayton, Proc. Ac. Nat. Sci. Phila. 1877, 280, Chickamauga River, Ringgold, Georgia.
- Family XXXVII. CYPRINIDÆ. The Carps.**
- Genus 101. **CAMPOSTOMA** Agassiz. *Stone-rollers*.
Campostoma Agassiz, Am. Jour. Sci. Arts 1855, 218 (*anomalum*).
337. *Campostoma ornatum* Girard.
Chihuahua River, Mexico.
Campostoma ornatum Girard, Proc. Ac. Nat. Sci. Phila. 1856, 176, Chihuahua River, Mexico.
338. *Campostoma pricei* Jordan & Thoburn.
Springs in the Chiricahua Mountains in southern Arizona, tributary to the Rio Yaqui.
Campostoma pricei Jordan & Thoburn, in Jordan & Evermann, Fishes North and Middle America, 205, 1896, Rucker Canyon, Chiricahua Mountains, Arizona.
339. *Campostoma anomalum* (Rafinesque). *Stone-roller*; *Stone-lugger*; *Steel-backed Chub*; *Mammy*; *Dough-belly*.
Central New York to Tennessee, Wyoming, and Texas.
Rutilus anomalus Rafinesque, Ichth. Ohiensis, 52, 1820, Licking River, Kentucky.
340. *Campostoma formosulum* Girard.
San Antonio River to the Rio Grande.
Campostoma formosulum Girard, Proc. Ac. Nat. Sci. Phila. 1856, 176, Rio Sabinal, near San Antonio, Texas.