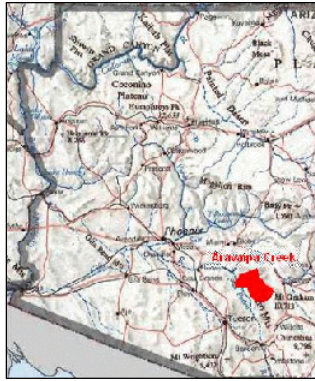


# Aravaipa Creek



## REMNANT NATIVE FISH COMMUNITIES IN THE GILA RIVER BASIN RETAINING FIVE OR MORE NATIVE SPECIES (not including species extirpated and then reintroduced)

STREAM	NO. OF NATIVE FISH SPECIES REMAINING	NO. OF NATIVE FISHES COMMONLY FOUND DURING ROUTINE SAMPLING <sup>1</sup>	APPROX. LENGTH OF WATER OCCUPIED BY NATIVE FISHES ASSEMBLAGE (miles)
Gila River, upper (NM) (inc. East and West Forks)	8	8	120
Eagle Creek	8	6	40
<b>Aravaipa Creek</b>	<b>7</b>	<b>7</b>	<b>20</b>
Fossil Creek	6	5	15
White River (inc. East & North Forks)	6	4*	40
Verde River, upper (above Verde Valley)	6	3	40
San Francisco & Tularosa Rivers	5	5	125
Blue River (inc. Campbell & Dry Blue)	5	5	60
Black River (upper) (inc. East Fork)	5	5	35
Bonita Creek	5	5	35
Hot Springs and Bass Canyons	5	5	15
Redfield Canyon	5	4	15
Sonoita Creek (below Patagonia Dam)	5	4	10
Verde River, Verde Valley to Horseshoe Reservoir	5	4	80
Cherry Creek	5	4	40
Canyon Creek	5	4*	45
Tonto and Rye Creeks	5	3	45

<sup>1</sup> Some species may be found only in local areas within the total reach, but are common in those locations.  
\* Recent sampling records are unavailable outside of the White Mountain Apache Tribe.

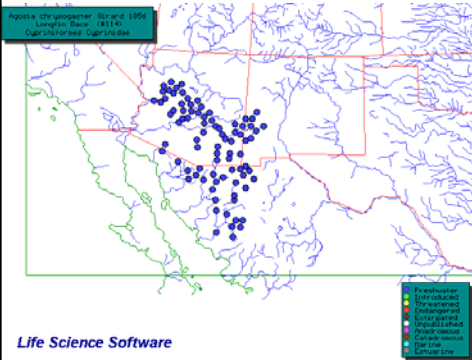
## Extant and Extirpated Native Fishes of Aravaipa Creek (Stefferd and Reintal 2004)

EXTANT NATIVE FISHES OF ARAVAIPA CREEK				EXTIRPATED NATIVE FISHES OF ARAVAIPA CREEK			
FAMILY	COMMON NAME	SCIENTIFIC NAME	FEDERAL STATUS*	FAMILY	COMMON NAME	SCIENTIFIC NAME	FEDERAL STATUS*
Cyprinidae	longfin dace	<i>Agosia chrysoaster</i>	2	Cyprinidae	Colorado squawfish	<i>Ptychocheilus lucius</i>	E
Cyprinidae	speckled dace	<i>Rhinichthys ocellus</i>	2	Catostomidae	razorback sucker	<i>Xyrauchen texanus</i>	E
Cyprinidae	spikedace	<i>Meda fulgida</i>	T	Catostomidae	flannelmouth sucker	<i>Catostomus latipinnis</i>	2
Cyprinidae	loach mimow	<i>Tiaroga cobitis</i>	T	Poeciliidae	Gila topminnow	<i>Poeciliopsis occidentalis</i>	E
Cyprinidae	roundtail chub	<i>Gila robusta</i>	PE	Cyprinodontidae	desert pupfish	<i>Cyprinodon macularius</i>	E
Catostomidae	desert sucker	<i>Pantosteus clarki</i>	2				
Catostomidae	Sonora sucker	<i>Catostomus insignis</i>	2				

\*E = endangered; T = threatened; PE = petitioned for endangered; 2 = formerly on the FWS category 2 list, which contained those species for which indication existed that Federal listing might be warranted, but for which sufficient information was not yet available to make that determination. That list was abandoned by the USFWS in 1996.

# Aravaipa Fishes

- *Agosia chrysogaster*



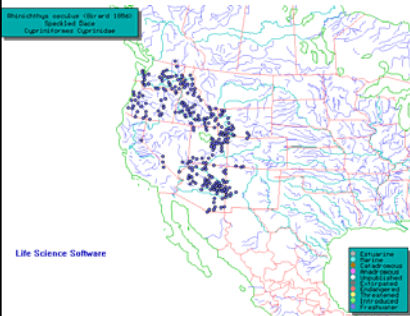
LONGFIN DACE



SPECKLED DACE

# Aravaipa Fishes

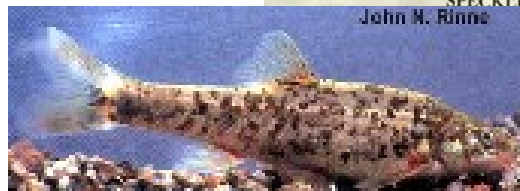
## Speckled Dace - *Rhinichthys osculus*



LONGFIN DACE

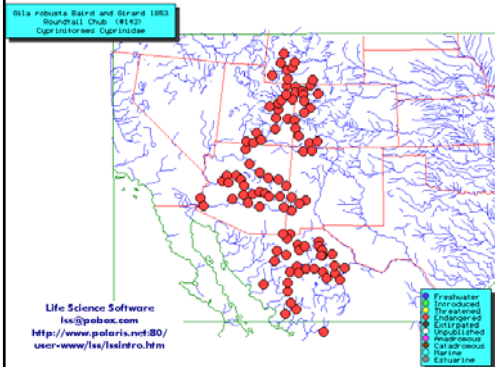


SPECKLED DACE



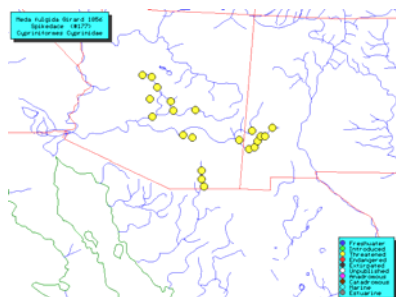
# Aravaipa Fish

- Roundtail Chub - *Gila robusta*



# Aravaipa Fish

- Spikedace – *Meda fulgida*



## Aravaipa Fishes

- Loach minnow –  
*Tiaroga cobitis*



Loach Minnow *Tiaroga cobitis*

## Aravaipa Fishes

- Desert Sucker –  
*Panosteus clarki*

**No Protected Status**



Desert Sucker *Panosteus clarki*



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# Aravaipa Fishes

- Sonora Sucker –  
*Catostomus*  
*insignis*



Sonora Sucker *Catostomus insignis*

## Non-Native Fishes of Aravaipa Creek (Stefferd and Reinthal 2004)

NONNATIVE FISHES OF ARAVAIPA CREEK				
FAMILY	COMMON NAME	SCIENTIFIC NAME	ESTABLISHED	YEAR FIRST RECORDED IN STREAM
Centrarchidae	Green sunfish	<i>Lepomis cyanellus</i>	Y	1963
Centrarchidae	Largemouth bass	<i>Micropterus salmoides</i>	?	1963
Ictaluridae	Yellow bullhead	<i>Ameiurus natalis</i>	Y	1963
Poeciliidae	Western mosquitofish	<i>Gambusia affinis</i>	Y	1981
Cyprinidae	Fathead minnow	<i>Pimephales promelas</i>	Y	1983
Cyprinidae	Common carp	<i>Cyprinus carpio</i>	?	1988
Cyprinidae	Red shiner	<i>Cyprinella lutrensis</i>	Y	1990
Ictaluridae	Black bullhead	<i>Ameiurus melas</i>	?	1990
Ictaluridae	Channel catfish	<i>Ictalurus punctatus</i>	N	1991 - in pond

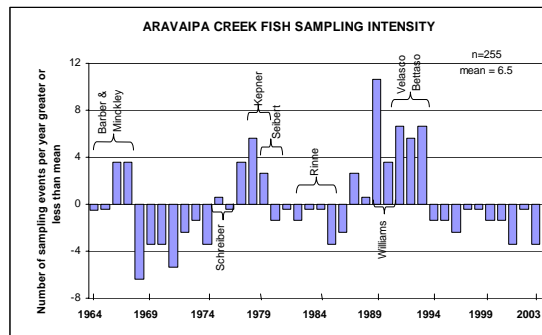
## Aravaipa Fishes

- Red Shiner - *Cyprinella lutrensis*
- Yellow Bullheads - *Ameiurus natalis*
- Green Sunfish - *Lepomis cyanellus*



## Aravaipa Monitoring

- Minckley (ASU) started monitoring upon his arrival at ASU in 1963
- 9 sites – seine by students
- Best studied group of fishes in Arizona



# Aravaipa Fish Monitoring

- Reinthal - U of A sampling since 2002
- Fall and Spring sampling trips (9 sites)
- Depletion sampling - 1 site
- Block and Shock - 6 sites

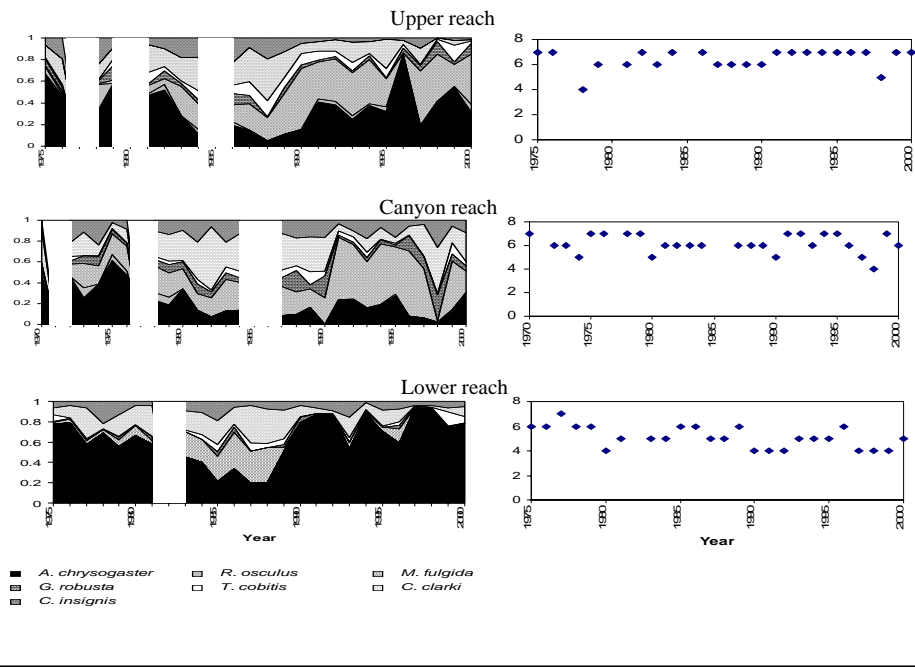


# Aravaipa Sampling Fall 2004

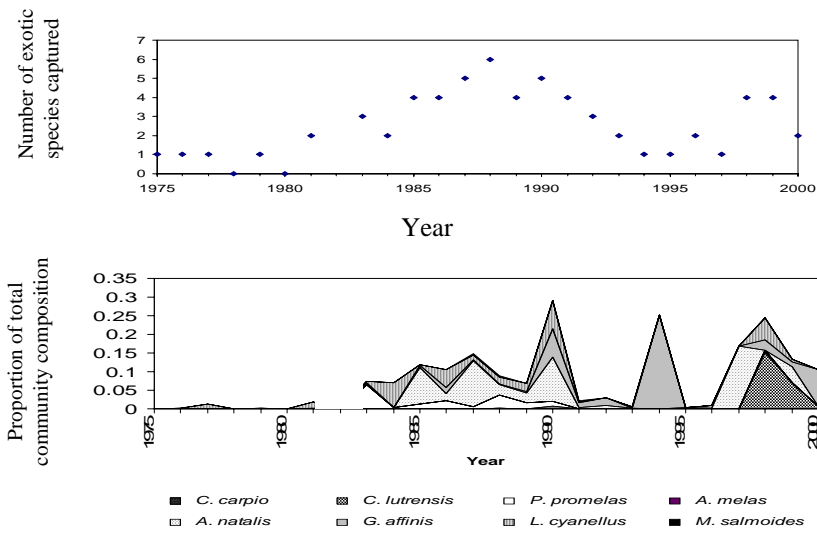


G. Knowles 2004

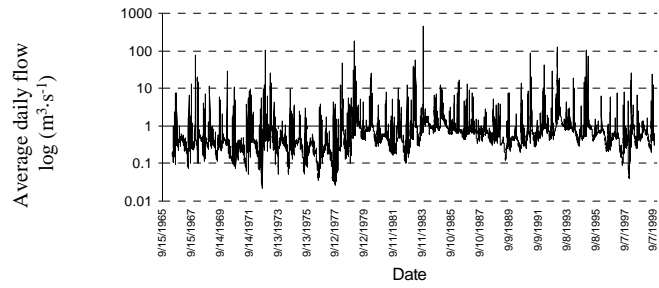
Eby, Fagen & Minckley 2003 – based on Minckley data set



Eby, Fagen & Minckley 2003 – based on Minckley data set



## Average Daily Flow Aravaipa



## Aravaipa Barrier

