40 species of Goodeids

Goode lat (Central Mex)  
Empetrich - egg-laying, territorial

Goodei - copulatory - so males are the pretty ones to attract females

Trophotaenia (umbilical cord)  
5-25 cm, lots of different food types

Charac  
Goodin'  
Chapalichthyini + 2 others

Highland Lakes 1km - 2.8km above sea  
temp 11-24°C, alkaline moderately hard  
get weird at outside of range
Some lakes can shrink to small pools in dry season.

*Allotoca* "Hiding in the reeds"
- Small creeks, edge of lake, temporary pools
- Aggressive, esp males to each other
- Food - small arthropods (larva, daphn)
- 18-25°C

Light (lots) + good food = coloration

→ *Allotoca dugesii* - Very pretty -

→ A. goslinei: - " - small creek -> Rio Amazon (500m)
  Hasn't been seen in 10 years. Captive pops.

*Allophorus* "Piscivorus"
- Lakes, pools near lakes, rivers flowing into lake
- Big. Only one sp.
Ameccia splendens
Herbivorens
Upper rio Teuchitlan (Hibb Ro Ameccia)
Gregarious - moderate aggression

Chapalichys
Chapal the lake shores & ponds & Rivers around
Moderate aggression
C. encastus - 40-50g tank
C. ponderi
C. peraticus (spotted)

Graeberichys "Veil Fin"
Advanced fish
Shallow areas / Aggressive Males
11-29C Very intolerant of hi temps.
C. multiradiatus incredibly beautiful.
C. viviparnus - green algae eater, tody fish.
Gordon "the big c-oodeid"

Lerma - Santiago system - Rivers & Lakes
Sturdy 14-30C Easy. Med aggression
G. gracillis + G. atripinnis
G. gracil

Hubbs, "Living in the Dark."
Zacapa lake
Single pop - almost gone.
Hide in roots, only nocturnal, bearclad.
Exclusively live food (worms)
H. turneri

Skiffia "Gentle Beauties"
Lakes, springs, creeks, pools, leme
18 - 24°C Hard, alkaline
Gregarious, low aggressive
Omnivorous
4x spec.
S. bilineata - may be reclassified.
S. fransséa - extinct
S. lemmæ - looks like crop in oophysis
S. multipunctata - easy, pretty.
Camecuaro lake

"Black prince" = Hybrid multi × fransséa?
Beauty lip but looks like wild.
**Xenotoca**  "Variable Geodeid"
- Found in all water types
- X. variatur (Monotonic Genus)
- Tolerant wide temps

**Xenotichthys**  "Unpublished Genus"
- X. eisemi & X. melanosoma
- Tolerant ≤ 30°C, bad water OK. Super Hardy
- Aggressive. But pretty.
- 2 pops - may be 2 species.
  - L. lamazula has orange tail
  - More easily available (can't looking for the other)
- X. melanosoma

**Variation in color - light**

**Zoogenetics**
- Germa system
- Easy to keep
- Z. quitoensis - attractive, peaceful, nibblers
- Z. tenuila (found by Derek Lambert)
  - Lp named after mountain
  - Neatly extinct Babies carnivorous.
9/14/14

**Streaming to the Pacific**

**Ilyodon** "Trout Gouramis"

Moderate fast rivers & Coch՚s, America, etc.

Hard, 22-30°C, Gregarious, low aggr.

Omnivorous → tend herbivorous

(could work in community tank)

I. whitei (kathy likes)

**Allodentichthys** "Doctor Gouramis"

Fast Eel. 4x species 20-24°C

Intolerant of warm water

Insectivorous, lay on bottom, defend large territories.

A. Zonictus - endangered

**Xanotaenia resalanae**

Small rivers, 18-30°C

Not so common
Desert Goats

Extreme conditions. Tiny creeks, ponds, springs. Most populations extincts. May be none left in ten years. Vulnerable habitat.

18-30°C. Alkaline & Hard.

Atheniobius - population of goat - that was trapped & evolved. Med. A. teneri - clear springs, very hard 26-32°C. Low aggr. Media luna, spring - habitat. Feed on algae growing on water lilies.

Xerophytes
Caracodon  "Ancient Goodeid"

5 springs - valley of Guadiana, Durango
22-26 Clear, hard (very hard)
Aggr males, Omnivorous

Careful. 1 year fast, 2nd year slow?
Each population is unique.

Los Berros - most popular. Still healthy
Amado Nervo pop - extinct in wild
\begin{itemize}
  \item Ojo de Agua de San Juan - disappearing
  \item Arroyo Seco? - 5th pop - very reduced (20%)
\end{itemize}
- Guadalupio Agular

C. lateralis

Conservation - "Fish Ark" Omer Dominguez Cion
- U. Micho

- U. Nuevo Leon - some Goodeids
Kit Stowell
lives in Vancouver WA

James Langhammer -
You!
Cool, Space, Feed Well

(Light)

Keep at it.

Easiest - Ilyodon, K. eisenii

Keeps same fish in room - long term.