

## BREEDING REPORT

### Goodeid Working Group

Username: Michael Koeck

Date of entry: 12.03.2013

Species: *Characodon audax*

Strain or location: El Toboso

Remarks:

#### A) – Colony size (Estimated)

Number of adult males: 2

Number of adult females: 4

Number of fry: 10

#### B) – Breeding setup

##### **- For adult fish**

Number of Aquariums: 1

Please indicate size(s) of the aquarium(s) in cm (l x w x h): 90 x 60 x 30

Is (Are) the setup(s) monospecific (Yes/No): No

If associated with other species, specify: *Allodontichthys tamazulae*

##### **- For gravid females**

Please indicate if you put the gravid females in isolation (Yes/No): Yes

If yes: please indicate the size of the aquarium in cm (l x w x h): 60 x 30 x 30

**- For the fry**

Please indicate if you usually separate the fry from the adults (Yes/No): **Yes**

Please estimate how long the fry remains separated (in weeks): **8 - 12**

If yes, please indicate the size of the container in cm (l x w x h): **60 x 30 x30**

**C) – Maintenance specificity**

**- Water**

**Parameters**

pH : **7.5**

Th : **12°**

Others:

**Temperature**

Is the temperature fluctuant (Yes/No): **Yes**

If constant, please indicate in degrees Celsius:

If fluctuant:

- During the day (Yes/No): **Yes**

Amplitude of variation: **1 – 2°C**

- Seasonally (Yes/No): **Yes**

Range of variation (min – max): **16 – 24°C**

**Frequency of water change**

Periodicity (please scratch)

permanent fluctuant:

weekly:

every 2 weeks: **x**

monthly:

other:

Water change volume in %: **60 – 80%**

**- Substrate**

Do(es) the container(s) have substrate (Yes/No): No

Do(es) the container(s) have aquatic vegetation (Yes/No): Yes

Names: *Cryptocoryne spp.*

Do(es) the container(s) have artificial structures to hide for the fish (Yes/No): Yes

What kind of: Eheim filtration material (Ehfifix)

Do(es) the container(s) have natural structures to hide for the fish (Yes/No): Yes

What kind of: stones

**- Filtration**

Filtration-Type: Hamburg Mattenfilter; driven by: JBL Proflow u 500

Filtration media: blue foam, medium, 5cm thick

Filtration power (in l/min): 500l/h

Aeration (Yes/No): Yes

**- Lighting**

Lighting duration in hours: 12h

**D) - Feeding**

**- Feeding of adults**

Artificial food (please scratch type)

flake food: x

pellets:

tablets: x

extrudes:

other (what kind of):

Frozen food (please scratch type)

Bloodworms (Chironomus): [x](#)

White Larvae (Chaoborus): [x](#)

Gammarus:

Mosquito-Larvae (Culex): [x](#)

Tubifex:

Cyclops: [x](#)

Cladocerans (Daphnia, Moina, aso): [x](#)

Artemia: [x](#)

Krill:

Mysis:

other (what kind of): [Benkers Garnelenmix \(Benkers Shrimp-Mix\)](#)

Freeze dried food (please scratch type)

Artemia: [x](#)

Gammarus:

Daphnia:

Tubifex:

Krill:

other (what kind of):

Live food (please scratch type)

Bloodworms:

Daphnia: [x](#)

Grindal-worms and/or Enchytraea:

Drosophila:

Tubifex:

Culex:

Chaoborus:

Cyclops: [x](#)

Artemia (adult):

Nauplia: [x](#)

other (what kind of):

Home made food (please scratch type):

Boiled salad or spinach:

Mixtures (e.g.: fish/vegetable/meat):

other (what kind of):

Feeding frequency (Number per day): [2](#)

Fasting period (Yes/No): [yes](#)

If yes: Duration: [1 day](#)

### **- Feeding of fry**

#### Food-type

Nauplia: x

Mikro-worms:

Cyclops: x

micronized powder:

Fry flakes:

other live food (what kind of):

other dry food (what kind of): *Artemia*, freeze dried

Feeding frequency (Number per day): 2

### **E)- Fish biology**

Observed diseases: *Ichthyophthirius multifiliis*

If yes, what kind of drugs have been used: Malachite green

Observed deformities: yes

On the fins:

On the body: shortened caudal peduncle in one juvenile male

Brood frequency:

Breeding period (months in the year):

Number of fry per brood: I observed 2 up to 11 fry

Further useful information: I kept this species before in a large group (about 40 specimens) without extremely fighting males. After separating a few pairs, it became worse. They fit together with *Xenophorus captivus* before and now with *Allodontichthys tamazulae*. After infecting some of my tanks with *Ichthyophthirius*, this had been the only species with dead individuals (about 3 or 4). It suffered worse of that disease than other species. Sometimes, females develop black fins in my strain, but quite rarely.