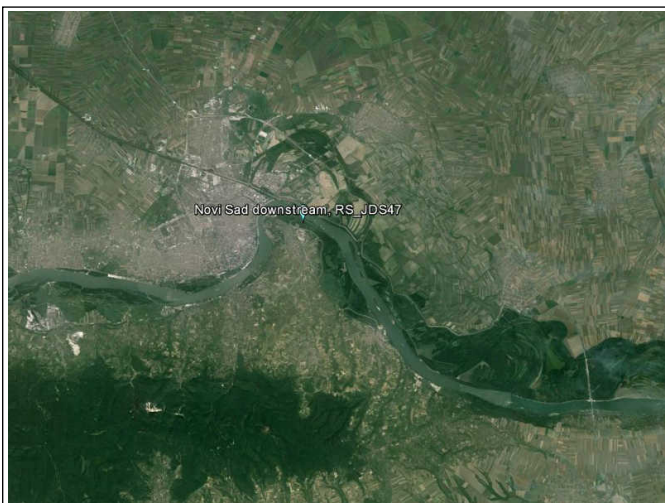


**Danube****Novi Sad downstream, RS\_JDS47 (RS\_JDS47 ), 02.September 2013**

FDA\_ID 231



Pic. 1: Map of monitoring site / ÖK 1:50.000



Pic. 2: Monitoring site Novi Sad downstream, RS\_JDS47

**Description of monitoring site***- no data -***Assessment****Estimated assessment of the ecological status class (FÖZ)**

|                                 |      |
|---------------------------------|------|
| Biological quality element fish | None |
|---------------------------------|------|

**Ecological status class, current survey, 02.September 2013**

|                                 |          |         |          |
|---------------------------------|----------|---------|----------|
| Biological quality element fish | FIA 2.67 | Class 3 | Moderate |
|---------------------------------|----------|---------|----------|

**Former classifications**

|      |  |  |  |  |
|------|--|--|--|--|
| None |  |  |  |  |
| None |  |  |  |  |
| None |  |  |  |  |

## Information about and sampling conditions and location

Table 1: Key data and information on sampling, monitoring siteNovi Sad downstream, RS\_JDS47

|                                  |   |                                     |                            |
|----------------------------------|---|-------------------------------------|----------------------------|
| Watercourse name                 | <b>Danube</b>                                 | Federal state                       | <b>not available</b>       |
| Monitoring site                  | <b>Novi Sad downstream, RS_JDS47</b>          | District                            |                            |
| Monitoring site number           | <b>RS_JDS47</b>                               | Community                           |                            |
| Turnus number                    |   | Longitude (WGS 84, decimal) O       | <b>19.88602</b>            |
| sampling number                  |   | Latitude (WGS 84, decimal) N        | <b>45.26037</b>            |
| Survey-ID (FDA)                  | <b>231</b>                                    | Route-ID                            |                            |
| Date                             | <b>9/2/2013</b>                               | River-km [monitoring site]          |                            |
| Contracting authority            | <b>ICPDR</b>                                  | Number of planing area              |                            |
| Contractor                       | <b>BAW-IGF</b>                                | Detail waterbody                    |                            |
| Project manager                  | <b>Vinzenz Bammer</b>                         |                                     |                            |
| Reason of survey                 | <b>JDS 3</b>                                  |                                     |                            |
| Fishing category                 |   |                                     |                            |
| Bioregion                        |   | Waters ordinal number               |                            |
| Fish bioregion                   | <b>Pannonian Plain Danube (1497-1075) (6)</b> | Huet-zonation                       | <b>bream zone</b>          |
| Biocenotic Region                | <b>Metapotamon</b>                            | Adapt. Reference                    | <b>113</b>                 |
| River km from                    | <b>1,252.0</b>                                | Altitude [m.a.s]                    | <b>74</b>                  |
| River km to                      | <b>1,250.0</b>                                | Ø catchment basin [km²]             | <b>254,100</b>             |
| Section length [m]               | <b>2,000</b>                                  | Catchment-class                     | <b>more than 10.000km²</b> |
| Ø channel width [m]              | <b>390</b>                                    | Slope [‰]                           | <b>0.03</b>                |
| Original stream character        | <b>lowland stream -river</b>                  | Discharge regime                    |                            |
| Actual site character            |   |                                     |                            |
| Actual impact                    |   | Reference watergauge (name, number) |                            |
| Flow [semiquant.]                |   | Distance from source [km]           | <b>1,594.0</b>             |
| Average water depth [m]          |   | Lake above                          | <b>No</b>                  |
| Maximum water depth [m]          |   | Distance lake upstream [km]         |                            |
| Geology                          | <b>calcareous</b>                             | Lake below                          |                            |
| Influence of sediment transport  | <b>slightly affected</b>                      | Distance lake downstream [km]       |                            |
| Ø wetted width [m]               | <b>390</b>                                    | Flow condition                      |                            |
| pH-value                         |   | Visible depth                       |                            |
| SBV                              |   | Fishing conditions                  |                            |
| Water temperature [°C] (F117)    |   | Average annual air temperature [°C] | <b>11.4</b>                |
| Conductance, 25°C [µS/cm] (F118) |   |                                     |                            |
| Methods used and effort          |   |                                     |                            |
| <b>Strip-fishing, day</b>        |   | Number of runs                      | <b>1</b>                   |
| Fished length [m]                | <b>2,750</b>                                  | E-devices output [kW]               | <b>11</b>                  |
| Fished area [m²]                 | <b>7,920</b>                                  | Output voltage                      | <b>600</b>                 |
|                                  |   | Number of anodes                    |                            |
|                                  |   | Number of strips/sections           | <b>10</b>                  |
| and additional methods           | <b>Fished area [m²]</b>                       | additional methods                  | <b>Effort [UE]</b>         |
| E-Fishing by night               | <b>3,975</b>                                  |                                     |                            |

## Comments on survey:

schlechte Sicht, steigender Wasserstand

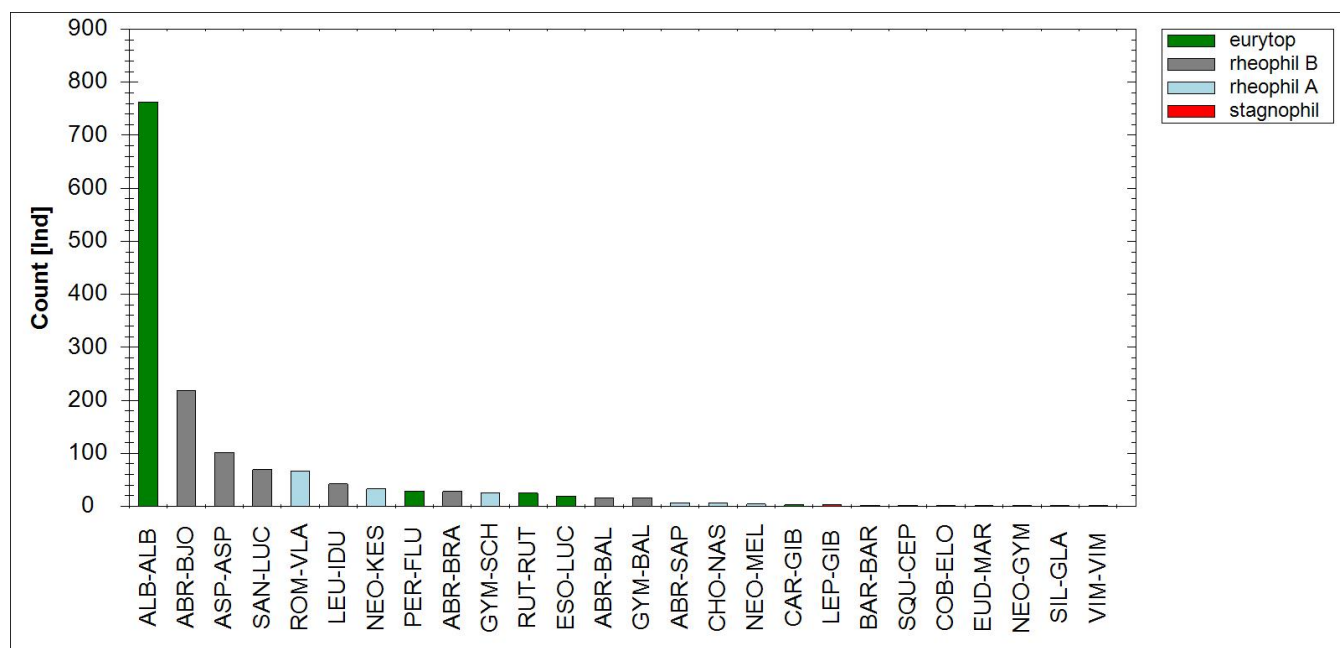
Table 2: Sampling effort at the monitoring site Novi Sad downstream, RS\_JDS47, September 2013

| Habitat                    | Str. no | DG | Length [m] | Width [m] | UE | Method              |
|----------------------------|---------|----|------------|-----------|----|---------------------|
| rip-rap                    | 1       | 1  | 110        | 1.5       |    | E-fishing day boat  |
| rip-rap                    | 2       | 1  | 110        | 1.5       |    | E-fishing day boat  |
| rip-rap                    | 11      | 1  | 110        | 1.5       |    | E-fishing night     |
| groin                      | 5       | 1  | 300        | 3         |    | E-fishing day boat  |
| groin                      | 6       | 1  | 300        | 3         |    | E-fishing day boat  |
| groin                      | 7       | 1  | 310        | 3         |    | E-fishing day boat  |
| groin                      | 12      | 1  | 330        | 3         |    | E-fishing night     |
| groin                      | 13      | 1  | 300        | 3         |    | E-fishing night     |
| undet. middle of the river | 16      | 1  | 500        | 2         |    | electric beam trawl |
| undet. middle of the river | 17      | 1  | 500        | 2         |    | electric beam trawl |
| undet. middle of the river | 18      | 1  | 500        | 2         |    | electric beam trawl |
| undet. middle of the river | 19      | 1  | 500        | 3         |    | electric beam trawl |
| undet. middle of the river | 20      | 1  | 500        | 3         |    | electric beam trawl |
| undet. middle of the river | 21      | 1  | 500        | 3         |    | electric beam trawl |
| undet. middle of the river | 22      | 1  | 500        | 3         |    | electric beam trawl |
| undet. middle of the river | 23      | 1  | 420        | 3         |    | electric beam trawl |
| undet. middle of the river | 24      | 1  | 500        | 3         |    | electric beam trawl |
| other natural bank         | 3       | 1  | 330        | 3         |    | E-fishing day boat  |
| other natural bank         | 4       | 1  | 290        | 3         |    | E-fishing day boat  |
| other natural bank         | 8       | 1  | 310        | 3         |    | E-fishing day boat  |
| other natural bank         | 9       | 1  | 350        | 3         |    | E-fishing day boat  |
| other natural bank         | 10      | 1  | 340        | 3         |    | E-fishing day boat  |
| other natural bank         | 14      | 1  | 330        | 3         |    | E-fishing night     |
| other natural bank         | 15      | 1  | 310        | 3         |    | E-fishing night     |

Table 3: Habitat weighting used at the monitoring site Novi Sad downstream, RS\_JDS47

| Habitat                    | %  |
|----------------------------|----|
| groin                      | 20 |
| other natural bank         | 70 |
| rip-rap                    | 10 |
| undet. middle of the river | 0  |

### Catch result, fish assemblage and threatening status



Pic. 3: Species ranking diagramm of catch resultsDanube, Novi Sad downstream, RS\_JDS47

Table 4: Reference fish assemblage, allochthonous species and threat status

| Family          | English name          | Scient. name of species          | Reference fish assemblage | FHH    | Red List | IUCN | Count |
|-----------------|-----------------------|----------------------------------|---------------------------|--------|----------|------|-------|
| Petromyzontidae | Ukrainian lamprey     | <i>Eudontomyzon mariae</i>       | s                         | II     | VU       | DD   | 1     |
| Cyprinidae      | Asp                   | <i>Aspius aspius</i>             | b                         | II     | EN       | DD   | 101   |
|                 | Barbel                | <i>Barbus barbus</i>             | b                         | V      | NT       | LC   | 2     |
|                 | Bleak                 | <i>Alburnus alburnus</i>         | I                         | -      | LC       | LC   | 763   |
|                 | Blue bream            | <i>Abramis ballerus</i>          | I                         | -      | EN       |      | 16    |
|                 | Bream                 | <i>Abramis brama</i>             | b                         | -      | LC       |      | 28    |
|                 | Carp                  | <i>Cyprinus carpio</i>           | b                         | -      | EN       | DD   |       |
|                 | Chub                  | <i>Squalius cephalus</i>         | s                         | -      | LC       | LC   | 2     |
|                 | Danubian gudgeon      | <i>Romanogobio uranoscopus</i>   | s                         | II     | CR       | DD   |       |
|                 | Gudgeon               | <i>Gobio gobio</i>               | b                         | -      | LC       | LC   |       |
|                 | Ide                   | <i>Leuciscus idus</i>            | b                         | -      | EN       | LC   | 42    |
|                 | Kessler's gudgeon     | <i>Romanogobio kesslerii</i>     | b                         | II     | EN       | DD   |       |
|                 | Nase                  | <i>Chondrostoma nasus</i>        | b                         | -      | NT       | LC   | 6     |
|                 | Prussian carp         | <i>Carassius gibelio</i>         | I                         | -      | LC       |      | 3     |
|                 | Roach                 | <i>Rutilus rutilus</i>           | I                         | -      | LC       | LC   | 25    |
|                 | Tench                 | <i>Tinca tinca</i>               | s                         | -      | VU       | LC   |       |
|                 | Vimba bream           | <i>Vimba vimba</i>               | I                         | -      | VU       | LC   | 1     |
|                 | White bream           | <i>Blicca bjoerkna</i>           | I                         | -      | LC       | LC   | 218   |
| Esocidae        | Pike                  | <i>Esox lucius</i>               | b                         | -      | NT       |      | 19    |
| Gadidae         | Burbot                | <i>Lota lota</i>                 | b                         | -      | VU       |      |       |
| Percidae        | Danube ruffe          | <i>Gymnocephalus baloni</i>      | b                         | II; IV | VU       | DD   | 16    |
|                 | Perch                 | <i>Perca fluviatilis</i>         | b                         | -      | LC       | LC   | 29    |
|                 | Pikeperch             | <i>Sander lucioperca</i>         | b                         | -      | NT       | LC   | 69    |
|                 | Ruffe                 | <i>Gymnocephalus cernuus</i>     | b                         | -      | LC       | LC   |       |
|                 | Schraetser            | <i>Gymnocephalus schraetser</i>  | b                         | II; V  | VU       | VU   | 26    |
|                 | Volga pikeperch       | <i>Sander volgensis</i>          | s                         | -      | EN       | DD   |       |
|                 | Zingel                | <i>Zingel zingel</i>             | s                         | II; V  | VU       | VU   |       |
| Siluridae       | Wels catfish          | <i>Silurus glanis</i>            | b                         | -      | VU       | LC   | 1     |
| Gobiidae        | Tubenose goby         | <i>Proterorhinus semilunaris</i> | I                         | -      | EN       | LC   |       |
| Cobitidae       | Spined loach          | <i>Cobitis taenia</i>            | b                         | II     | VU       | LC   |       |
| Balitoridae     | Danube bream          | <i>Abramis sapa</i>              | b                         | -      | EN       |      | 7     |
| Acipenseridae   | Danube sturgeon       | <i>Acipenser gueldenstaedtii</i> | s                         | V      | RE       | EN   |       |
|                 | Fringebarbel sturgeon | <i>Acipenser nudiiventris</i>    | s                         | V      | RE       | EN   |       |
|                 | Sterlet               | <i>Acipenser ruthenus</i>        | b                         | V      | CR       | VU   |       |
| Cyprinidae      | White-finned gudgeon  | <i>Romanogobio vladykovi</i>     |                           | II     | LC       | DD   | 66    |
| Gobiidae        | Bighead goby          | <i>Neogobius kessleri</i>        |                           | -      | NE       | DD   | 33    |
|                 | Racer goby            | <i>Neogobius gymnotrachelus</i>  |                           | -      | NE       | DD   | 1     |
|                 | Round goby            | <i>Neogobius melanostomus</i>    |                           | -      | NE       | DD   | 4     |
| Cobitidae       | Danubian spined loach | <i>Cobitis elongatoides</i>      |                           | -      |          |      | 1     |
| Centrarchidae   | Pumkinseed            | <i>Lepomis gibbosus</i>          |                           | -      | NE       |      | 3     |

Observed:: reference fish assemblage 20Taxa :: 34Taxa

Taxa complete 26

Count species of reference fish assemblage 1,375

Total count 1,483

Fish ecological reference fish assemblage (Haunschmid et al., 2006)

- I Dominant species
- b Subdominant species
- s Rare species

a! Allochthon

N! Neozoa

FFH...Fauna-Flora-Habitat-Directive (Council Directive 92/43/EEC of 21.Mai 1992)

II Species listed in Annex II of the FFH- Directive (nature reserves have to be set out for this species)

IV Species listed in Annex IV of the FFH- Directive (strict protection of animals and plants)

V Species listed in Annex V of the FFH- Directive (species whose collection and use is subject to administrative control)

RE Regionally extinct

CR Critically endangered

EN Endangered

VU Vulnerable

NT Near threatened

LR Lower risk

LC Least concern

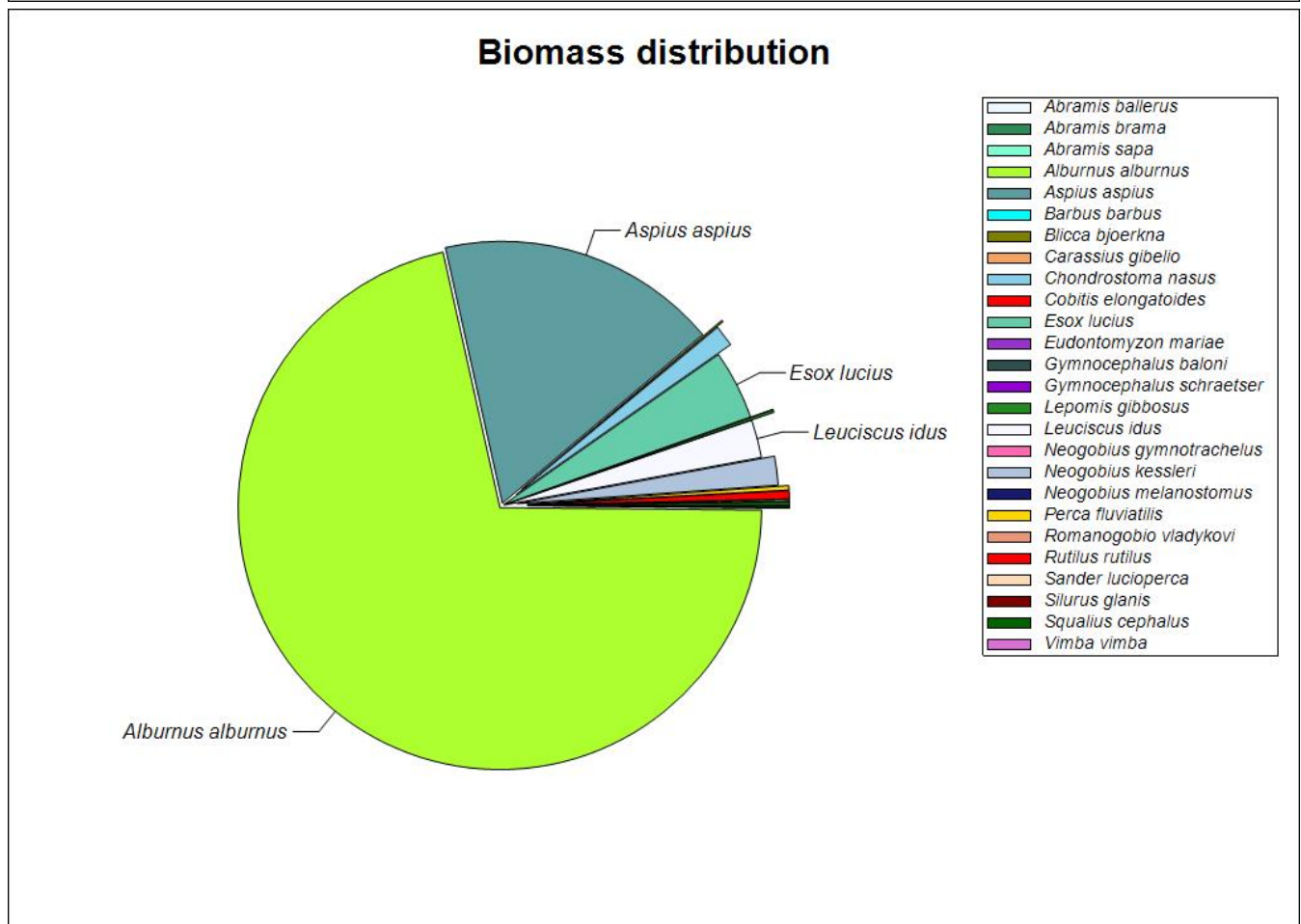
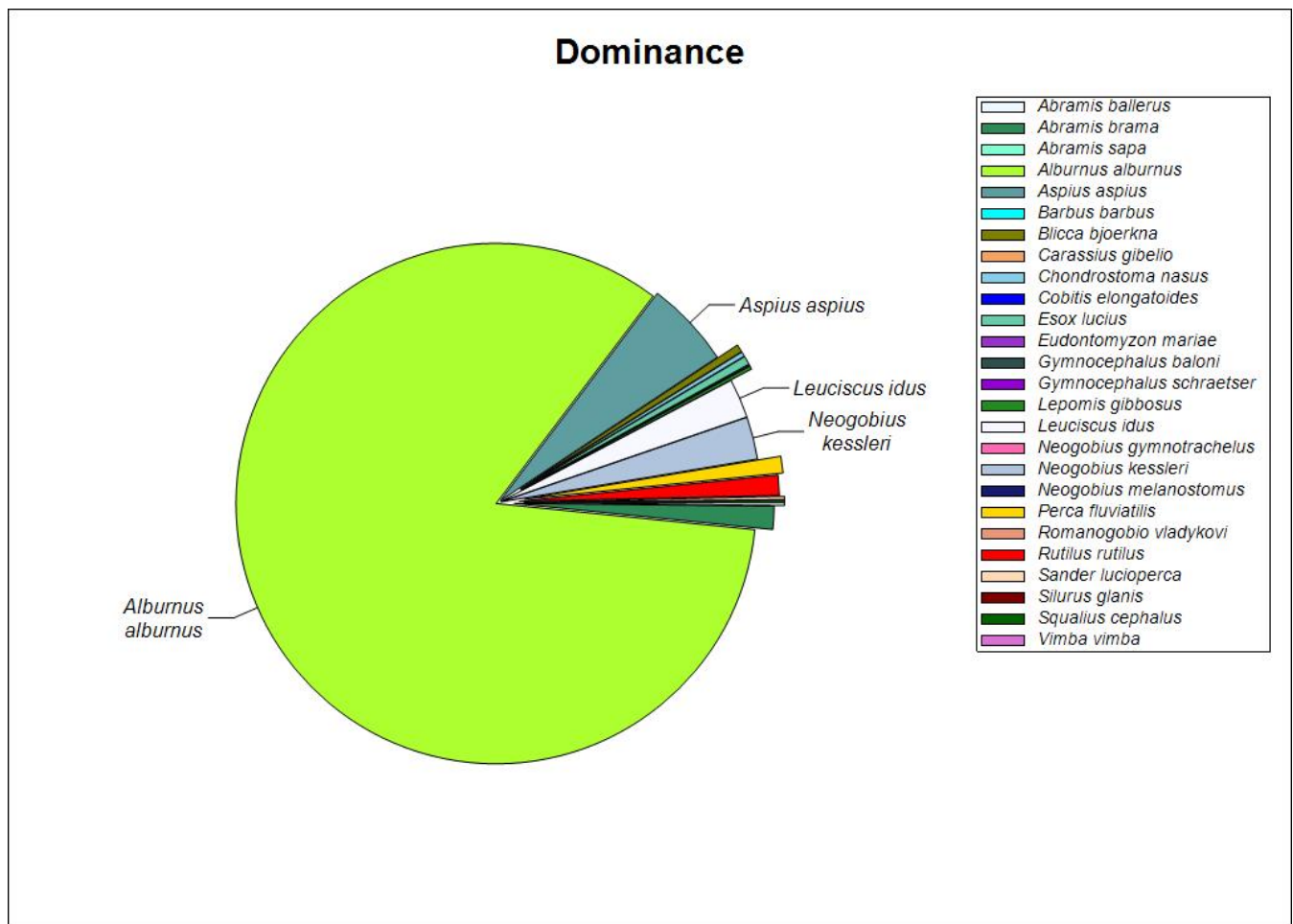
DD Available data is not sufficient for classification (data deficient)

NE Not evaluated, usually widespread and replicating alien species

## Abundance and biomass

Table 5: abundance and biomass (e-fishings)Danube, Novi Sad downstream, RS\_JDS47, 9/2/2013

| English name          | Species Code | Count | Abu [Ind/ha] | 95% Konfid. | Biom [kg/ha] | 95% Konfid. | Weight [g] median allover | Mean Weight [g] total | Population structure | Reference fish assemblage |
|-----------------------|--------------|-------|--------------|-------------|--------------|-------------|---------------------------|-----------------------|----------------------|---------------------------|
| Asp                   | ASP-ASP      | 101   | 379.6        |             | 32.7         |             | 18.9                      | 86.1                  | 1                    | b                         |
| Barbel                | BAR-BAR      | 2     | 0.0          |             | 0.0          | 0.0         | 3.5                       | 0.0                   | 4                    | b                         |
| Bighead goby          | NEO-KES      | 33    | 185.7        |             | 3.4          |             | 9.8                       | 18.1                  | 2                    |                           |
| Bleak                 | ALB-ALB      | 763   | 5,896.1      |             | 134.4        |             | 11.4                      | 22.8                  | 1                    | l                         |
| Blue bream            | ABR-BAL      | 16    | 12.4         |             | 0.1          |             | 9.4                       | 4.6                   | 3                    | l                         |
| Bream                 | ABR-BRA      | 28    | 100.5        |             | 0.2          |             | 10.3                      | 2.2                   | 3                    | b                         |
| Chub                  | SQU-CEP      | 2     | 10.9         |             | 0.5          |             | 16.0                      | 41.3                  | 4                    | s                         |
| Danube bream          | ABR-SAP      | 7     | 0.0          |             | 0.0          | 0.0         | 15.5                      | 0.0                   | 3                    | b                         |
| Danube ruffe          | GYM-BAL      | 16    | 0.0          |             | 0.0          | 0.0         | 7.4                       | 0.0                   | 2                    | b                         |
| Danubian spined loach | COB-ELO      | 1     | 0.0          |             | 0.0          | 0.0         | 11.0                      | 0.0                   | 4                    |                           |
| Ide                   | LEU-IDU      | 42    | 171.7        |             | 4.4          |             | 12.2                      | 25.6                  | 2                    | b                         |
| Nase                  | CHO-NAS      | 6     | 20.1         |             | 2.5          |             | 21.3                      | 124.4                 | 3                    | b                         |
| Perch                 | PER-FLU      | 29    | 72.7         |             | 0.5          |             | 8.5                       | 7.1                   | 3                    | b                         |
| Pike                  | ESO-LUC      | 19    | 37.0         |             | 8.1          |             | 35.3                      | 217.9                 | 2                    | b                         |
| Pikeperch             | SAN-LUC      | 69    | 14.2         |             | 0.2          |             | 17.6                      | 14.9                  | 2                    | b                         |
| Prussian carp         | CAR-GIB      | 3     | 0.0          |             | 0.0          | 0.0         | 20.8                      | 0.0                   | 4                    | l                         |
| Pumpkinseed           | LEP-GIB      | 3     | 15.2         |             | 0.3          |             | 11.5                      | 21.3                  | 3                    |                           |
| Racer goby            | NEO-GYM      | 1     | 0.0          |             | 0.0          | 0.0         | 4.3                       | 0.0                   | 4                    |                           |
| Roach                 | RUT-RUT      | 25    | 87.8         |             | 0.9          |             | 11.1                      | 10.8                  | 3                    | l                         |
| Round goby            | NEO-MEL      | 4     | 0.0          |             | 0.0          | 0.0         | 3.4                       | 0.0                   | 3                    |                           |
| Schraetser            | GYM-SCH      | 26    | 0.0          |             | 0.0          | 0.0         | 10.0                      | 0.0                   | 2                    | b                         |
| Ukrainian lamprey     | EUD-MAR      | 1     | 6.1          |             | 0.0          |             | 10.5                      | 1.6                   | 4                    | s                         |
| Vimba bream           | VIM-VIM      | 1     | 0.0          |             | 0.0          | 0.0         | 10.4                      | 0.0                   | 4                    | l                         |
| Wels catfish          | SIL-GLA      | 1     | 0.0          |             | 0.0          | 0.0         | 36.0                      | 0.0                   | 4                    | b                         |
| White bream           | ABR-BJO      | 218   | 33.6         |             | 0.2          |             | 10.2                      | 5.8                   | 1                    | l                         |
| White-finned gudgeon  | ROM-VLA      | 66    | 0.0          |             | 0.0          | 0.0         | 5.3                       | 0.0                   | 1                    |                           |
| 20 species of 34      | Total        | 1,483 | 7,043.6      |             | 188.3        |             |                           |                       |                      |                           |



Pic. 4: Dominance und Biomass distribution



Shannon-Index: 1.850

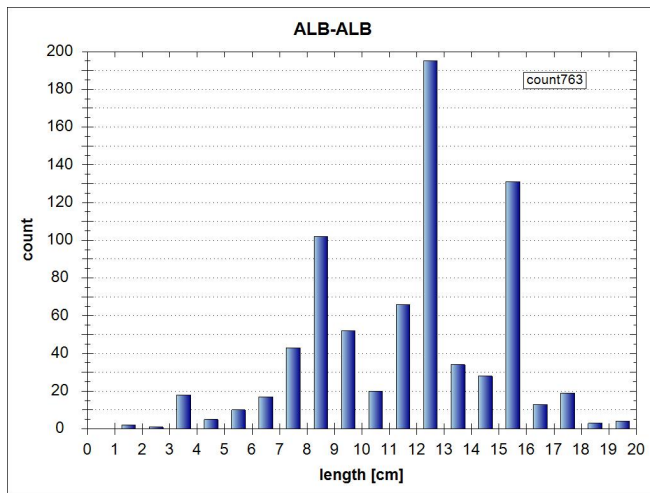
Equitability: 0.568

**Biometrics and catch rate**

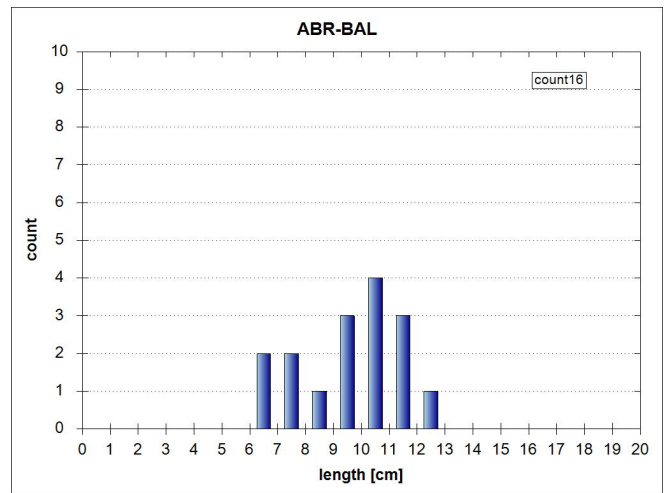
Table 6: biometrics of each species and catch specific parameters

| Fish species          | Lt [cm] |      |      | n     | Statist.<br>Method | Catch-<br>Probability [%] | Catch-effectivity |      |      |
|-----------------------|---------|------|------|-------|--------------------|---------------------------|-------------------|------|------|
|                       | Min     |      | Max  |       |                    |                           | Min               | MW   | Max  |
| Asp                   | 7.0     | 18.9 | 57.5 | 101   |                    |                           | 0.20              | 0.32 | 0.50 |
| Barbel                | 2.5     | 3.5  | 4.5  | 2     |                    |                           | 0.70              | 0.70 | 0.70 |
| Bighead goby          | 5.0     | 9.8  | 14.0 | 33    |                    |                           | 0.25              | 0.37 | 0.50 |
| Bleak                 | 1.1     | 11.4 | 19.5 | 763   |                    |                           | 0.05              | 0.19 | 0.50 |
| Blue bream            | 6.5     | 9.4  | 12.0 | 16    |                    |                           | 0.25              | 0.33 | 0.70 |
| Bream                 | 3.0     | 10.3 | 29.0 | 28    |                    |                           | 0.20              | 0.43 | 0.70 |
| Chub                  | 14.5    | 16.0 | 17.5 | 2     |                    |                           | 0.30              | 0.40 | 0.50 |
| Danube bream          | 6.8     | 15.5 | 21.2 | 7     |                    |                           | 0.30              | 0.64 | 0.70 |
| Danube ruffe          | 5.1     | 7.4  | 13.6 | 16    |                    |                           | 0.30              | 0.43 | 0.70 |
| Danubian spined loach | 11.0    | 11.0 | 11.0 | 1     |                    |                           | 0.30              | 0.30 | 0.30 |
| Ide                   | 5.0     | 12.2 | 29.0 | 42    |                    |                           | 0.20              | 0.37 | 0.50 |
| Nase                  | 4.0     | 21.3 | 31.0 | 6     |                    |                           | 0.25              | 0.43 | 0.70 |
| Perch                 | 7.0     | 8.5  | 11.0 | 29    |                    |                           | 0.25              | 0.34 | 0.50 |
| Pike                  | 19.0    | 35.3 | 80.0 | 19    |                    |                           | 0.20              | 0.34 | 1.00 |
| Pikeperch             | 9.7     | 17.6 | 42.0 | 69    |                    |                           | 0.20              | 0.29 | 0.70 |
| Prussian carp         | 11.5    | 20.8 | 26.0 | 3     |                    |                           | 0.20              | 0.27 | 0.30 |
| Pumkinseed            | 10.5    | 11.5 | 12.0 | 3     |                    |                           | 0.30              | 0.37 | 0.40 |
| Racer goby            | 4.3     | 4.3  | 4.3  | 1     |                    |                           | 0.70              | 0.70 | 0.70 |
| Roach                 | 2.5     | 11.1 | 25.5 | 25    |                    |                           | 0.20              | 0.39 | 0.50 |
| Round goby            | 2.5     | 3.4  | 4.0  | 4     |                    |                           | 0.70              | 0.70 | 0.70 |
| Schraetser            | 6.2     | 10.0 | 20.0 | 26    |                    |                           | 0.20              | 0.43 | 0.70 |
| Ukrainian lamprey     | 10.5    | 10.5 | 10.5 | 1     |                    |                           | 0.50              | 0.50 | 0.50 |
| Vimba bream           | 10.4    | 10.4 | 10.4 | 1     |                    |                           | 0.70              | 0.70 | 0.70 |
| Wels catfish          | 36.0    | 36.0 | 36.0 | 1     |                    |                           | 0.70              | 0.70 | 0.70 |
| White bream           | 1.3     | 10.2 | 23.0 | 218   |                    |                           | 0.10              | 0.23 | 0.70 |
| White-finned gudgeon  | 2.0     | 5.3  | 11.2 | 66    |                    |                           | 0.70              | 0.70 | 0.70 |
| 26 species            |         |      | Sum  | 1,483 |                    |                           |                   |      |      |

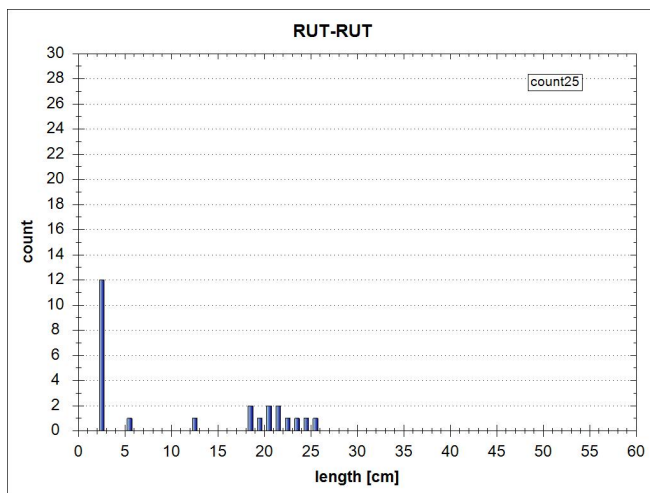
### Population structure of dominant species and subdominant species (total catch)



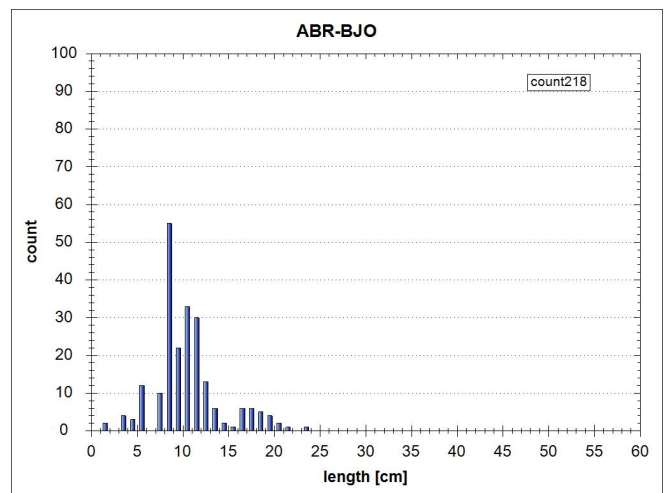
Bleak (*Alburnus alburnus*), 1



Blue bream (*Abramis ballerus*), 3

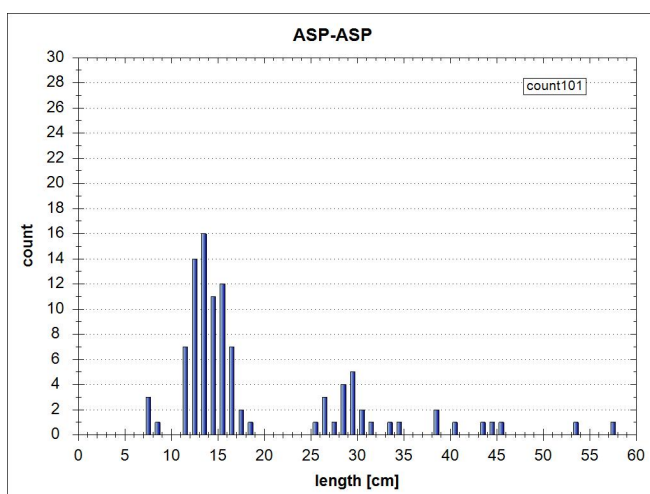


Roach (*Rutilus rutilus*), 3

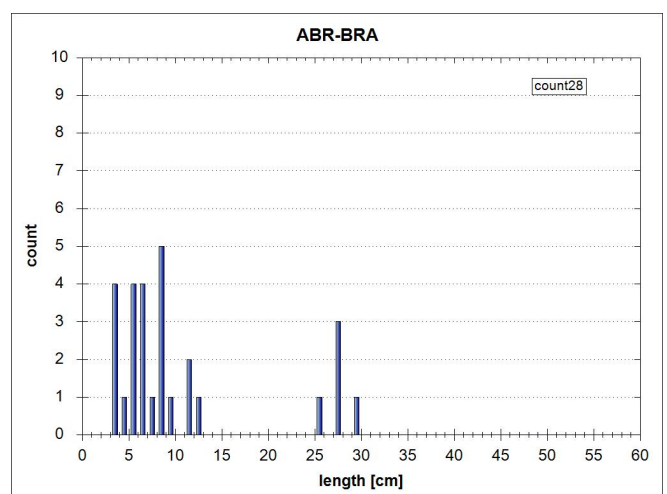


White bream (*Blicca bjoerkna*), 1

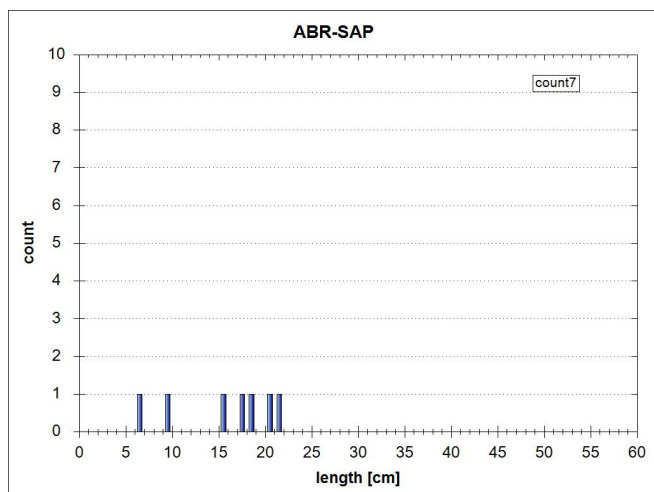
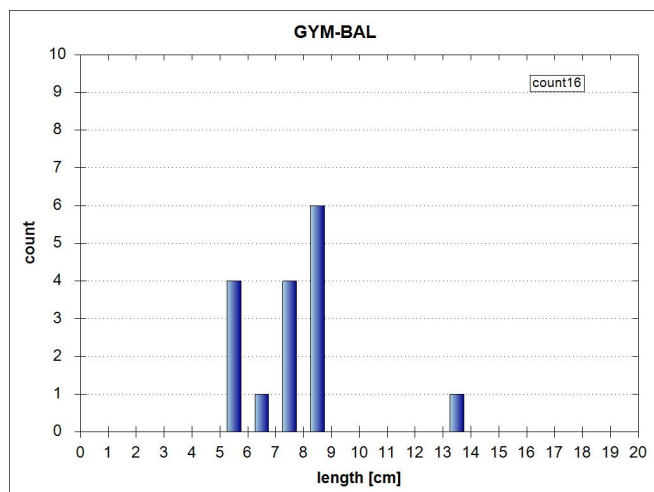
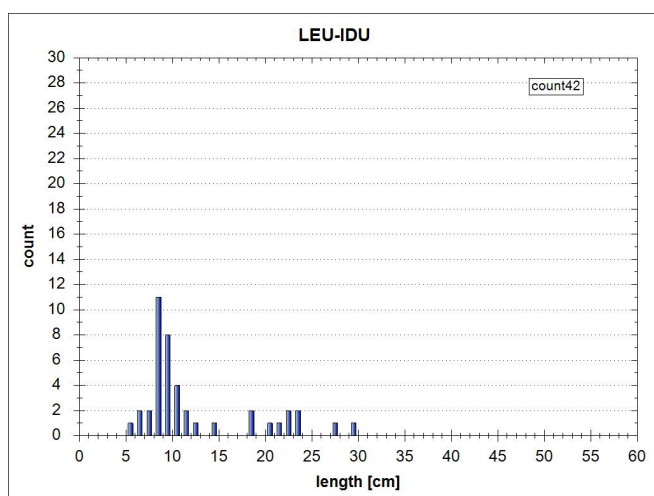
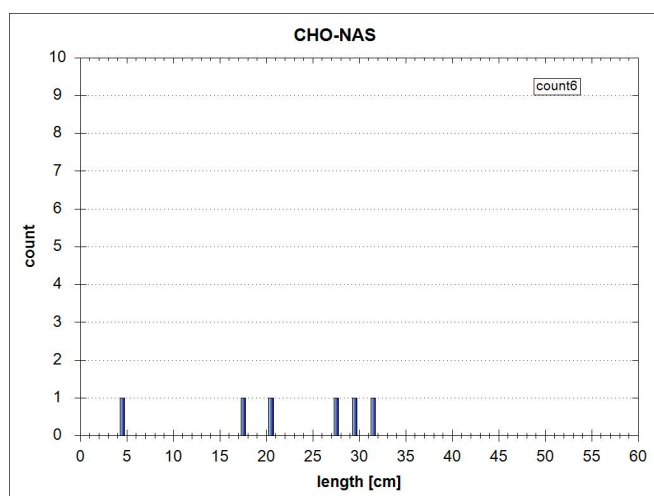
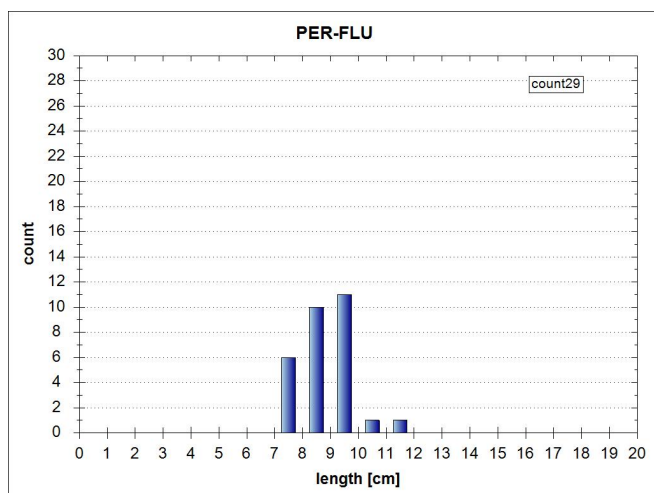
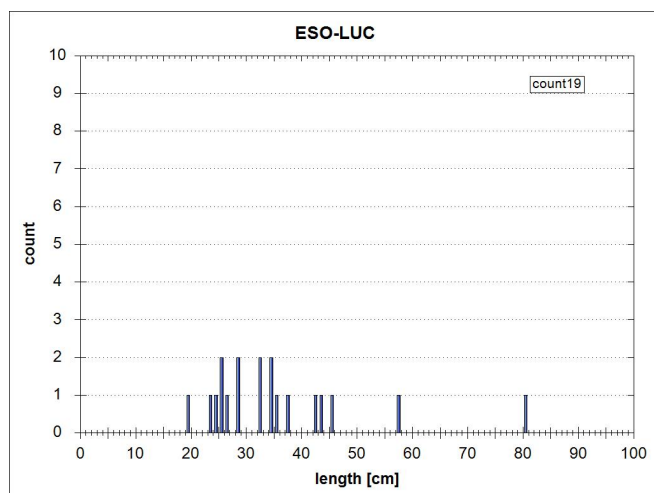
Pic. 5: Length-frequency diagram of dominant species (n>3), Sep. 2013

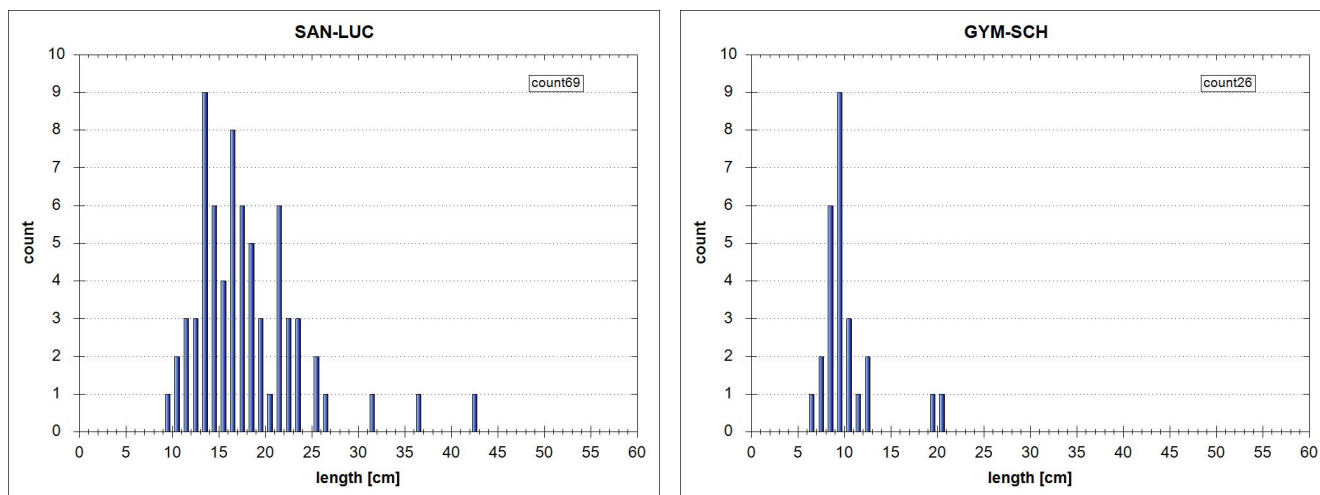


Asp (*Aspius aspius*), 1

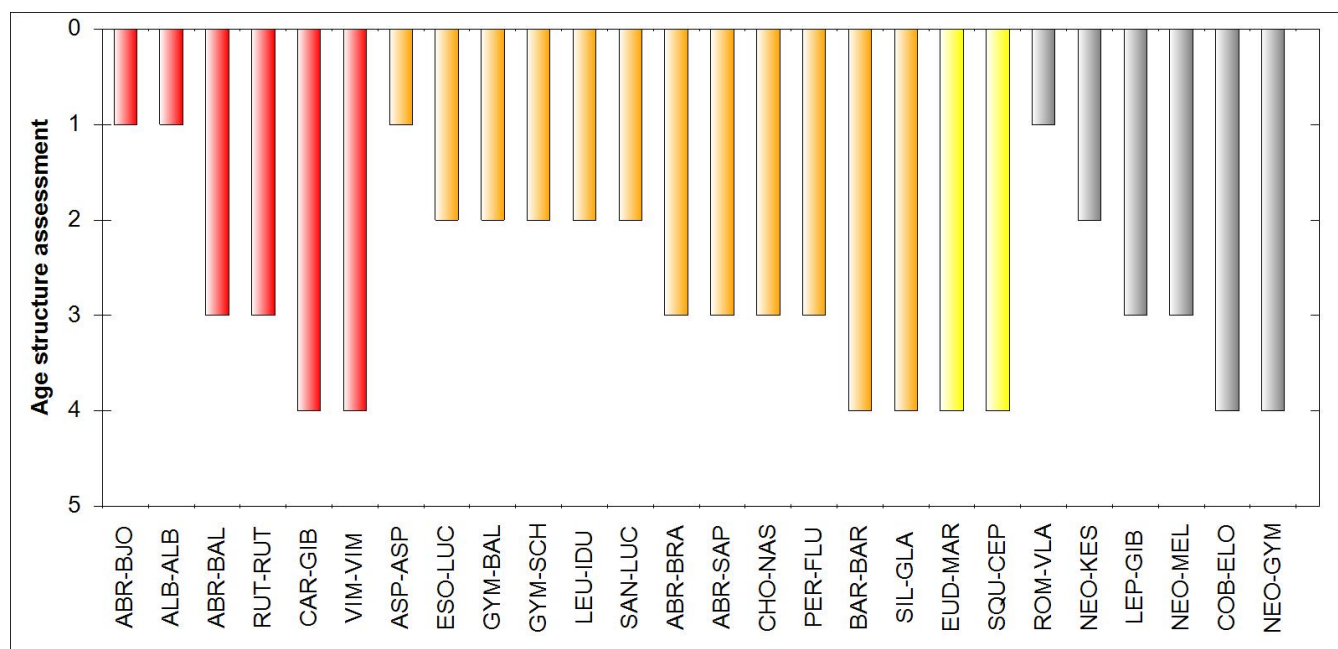


Bream (*Abramis brama*), 3

Danube bream (*Abramis sapo*), 3Danube ruffe (*Gymnocephalus baloni*), 2Ide (*Leuciscus idus*), 2Nase (*Chondrostoma nasus*), 3Perch (*Perca fluviatilis*), 3Pike (*Esox lucius*), 2

Pikeperch (*Sander lucioperca*), 2Schraetser (*Gymnocephalus schraetser*), 2

Pic. 6: Length-frequency diagram of subdominant species (n&gt;3), Sep. 2013



Pic. 7: Age structure of present species

**Comment on population structure of dominant and subdominant species**

- no comment -

**Fish ecological assessment (FIA, FISH INDEX AUSTRIA)**

Table 7: fish ecologic assessment, Danube, Novi Sad downstream, RS\_JDS47, 9/2/2013

| Rating  |                                  |                         |                        |                             |                      |
|---|----------------------------------|-------------------------|------------------------|-----------------------------|----------------------|
| Stock data                                    | Abundance Ind/ha                 | Biomass kg/ha           |                        |                             | ko-criterion biomass |
|   | 6,842.7                          | 184.6                   |                        |                             | OK                   |
| <b>1. Species</b>                             | <b>Reference fish assemblage</b> | <b>actual (current)</b> | <b>Ratio/Deviation</b> | <b>Partial rating</b>       |                      |
| <b>Species</b>                                |                                  |                         |                        |                             |                      |
| Dominant species                              | 7                                | 6                       | 86%                    | 3.0                         |                      |
| Subdominant species                           | 19                               | 12                      | 63%                    | 2.0                         |                      |
| Rare species                                  | 8                                | 2                       | 25%                    | 2.0                         |                      |
|   |                                  |                         |                        | 2.3                         |                      |
| <b>Ecological guilds</b>                      |                                  |                         |                        |                             |                      |
| Flow  | 5                                | 3                       | 2                      | 3.0                         |                      |
| Reproduction                                  | 6                                | 3                       | 3                      | 4.0                         |                      |
|   |                                  |                         |                        | 3.5                         |                      |
| <b>Species diversity &amp; guilds overall</b> |                                  |                         |                        |                             | <b>2.8</b>           |
| <b>2. Dominance</b>                           | <b>Reference fish assemblage</b> | <b>actual (current)</b> | <b>Difference</b>      |                             |                      |
| <b>Fish region index</b>                      | 6.4                              | 6.4                     | 0.0                    |                             | <b>1.0</b>           |
| <b>3. Population structure</b>                | <b>Reference fish assemblage</b> | <b>actual (current)</b> |                        | <b>Partial rating (1-5)</b> |                      |
| Dominant species                              | 7                                | 6                       |                        | 3.0                         |                      |
| Subdominant species                           | 19                               | 12                      |                        | 3.5                         |                      |
|   |                                  |                         |                        |                             | <b>3.2</b>           |
| Fishindex Austria without active ko-criterion |                                  |                         |                        |                             | 2.67                 |
| <b>Biological quality element fish</b>        |                                  | <b>FIA 2.67</b>         | <b>Class 3</b>         | <b>Moderate</b>             |                      |

Date of Assessment:3/3/2014

Comment BAW-IGF

- no comment -

## **Discussion of fish ecological assessment, plausibility, deficits and measures (AN)**

*Recommended improvements with priority ranking if possible;*