

582.26

664033

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(Findlay, Kasian, 1996).

(, 2002).

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(0-1,5) *Ulothrix zonata* Kütz.,

(1-2,5), *Tetraspora cylindrica* (Wahlenb.) Ag. var. *bullosa* C. Meyer.

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Draparnaldiella C. Meyer et Skabitsch. (*Draparnaldioides* C. Meyer et Skabitsch.) (Me , 1930; , 1990).

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4-5 . ;

Ulothrix zonata

cylindrica

Draparnaldioides

, *Tetraspora*

© . . . , . . . , 2008

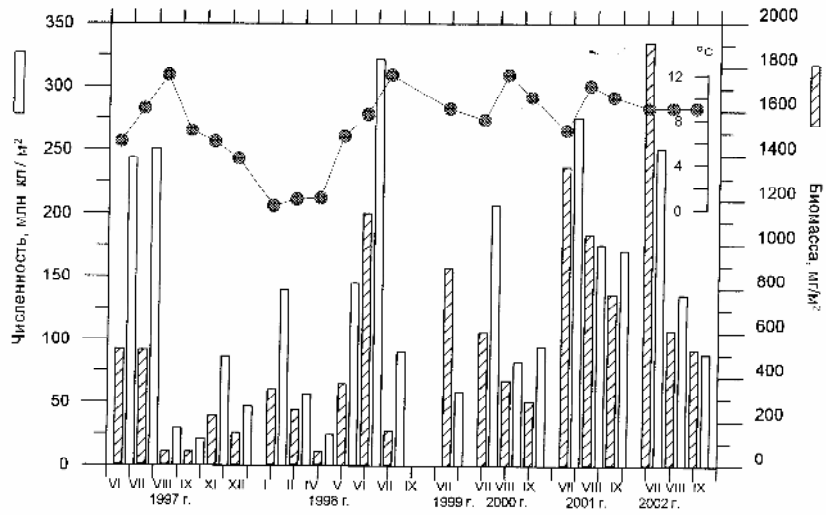
(, 1965; , 1987; , 1990; , 1990; , 1992; , 1994; , 1995; Grosheva et al., 2000).

15-20 ; - 5-6
 (- 1997 ,, - 1998 ,, 1999 . - 96 %-
 2000-2002).

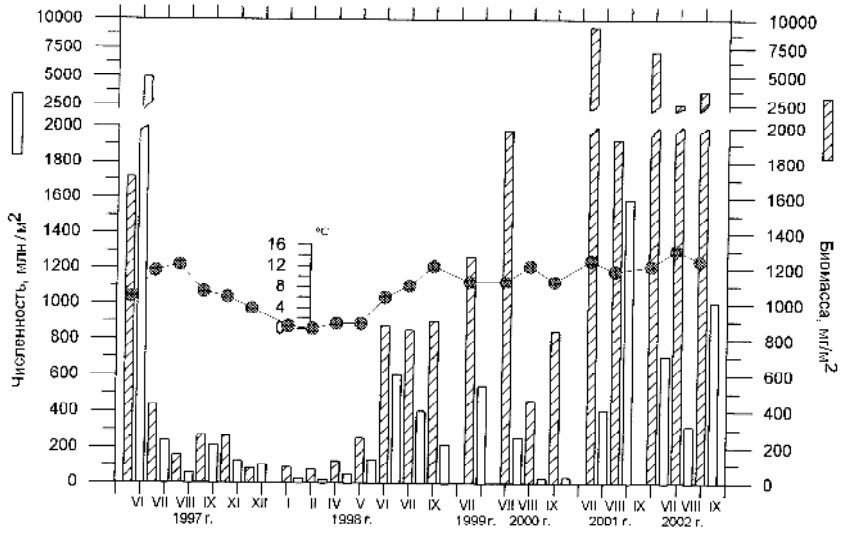
5².
 2-5 .
 0,05 2-3
 (1970).
 (, , 2004).

1997-2002 .
 $10^8 / ^2$, - 30 1909 / ³(.1). 206,5 10^6 3, 2
 - 1998 .
 2001-2002 ,, -
 (9-14),
Draparnaldioides,
 (, , 2004).

(. 1, 2).
 (, 1961),
 1974; , 1976, 1989; ,, 1994),
 (,)



1. ()



2. ()

1997-1998

(. . 1)

Cymbella Ag., *Navicula* Bory, *Synedra* Ehr., *Nitzschia* Hassall, *Gomphonema* Ag. *C. ventricosa* (Ag.) Kütz., *N. cryptocephala* Kütz., *S. vaucheriae* Kütz., *N. dissipata* (Kütz.) Grun., *G. olivaceoides* Hust., *Rhoicosphenia curvata* (Kütz.) Grun.
1999 (. . 1).

. . . : *Didymosphenia geminata* var. *baicalensis* Skv., *Cymatopleura solea* (Bréb.) W. Sm., *Surirella linearis* W. Smith, *Nitzschia palea* (Kütz.) W. Smith, *N. recta* Hantzsch, *Gomphonema quadripunctata* (Østrup) Wislouch.,

Navicula Bory *Cyclotella minuta* (Skv.) Antip.

2000 . *Cymbella stuxbergii* Cleve., *Didymosphenia geminata*, *D. dentata* Dorog., *Gomphonema quadripunctata* (Østrup) Wislouch., . -

Cymbella.

Ellerbekia arenaria var. *teres*,

Cocconeis Her., *Nitzschia* Hassall *Navicula* Bory, 1999 .

(, 2004).

2001 .

Cymbella, *C. tumida*, *Hannaea arcus* (Her.) Patr., *Didymosphenia geminata* *Cyclotella minuta*. *C. stuxbergii*, . *ventricosa*, *C. turgida*, *Cymbella*

Cocconeis Her., *Amphora*

sibirica Skv. & Meyer, *Gomphonema quadripunctata* *Ellerbekia arenaria* var. *teres*.

2002 . 2001 .

Navicula tripunctata (O.F. Müller) Bory *N. oppugnata* Kütz.

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(, , 2004; , , 2006). -

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(, 1992, 2004).

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9-10 , ,

Didymosphenia,

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(, 1990; ., 1998; , ,

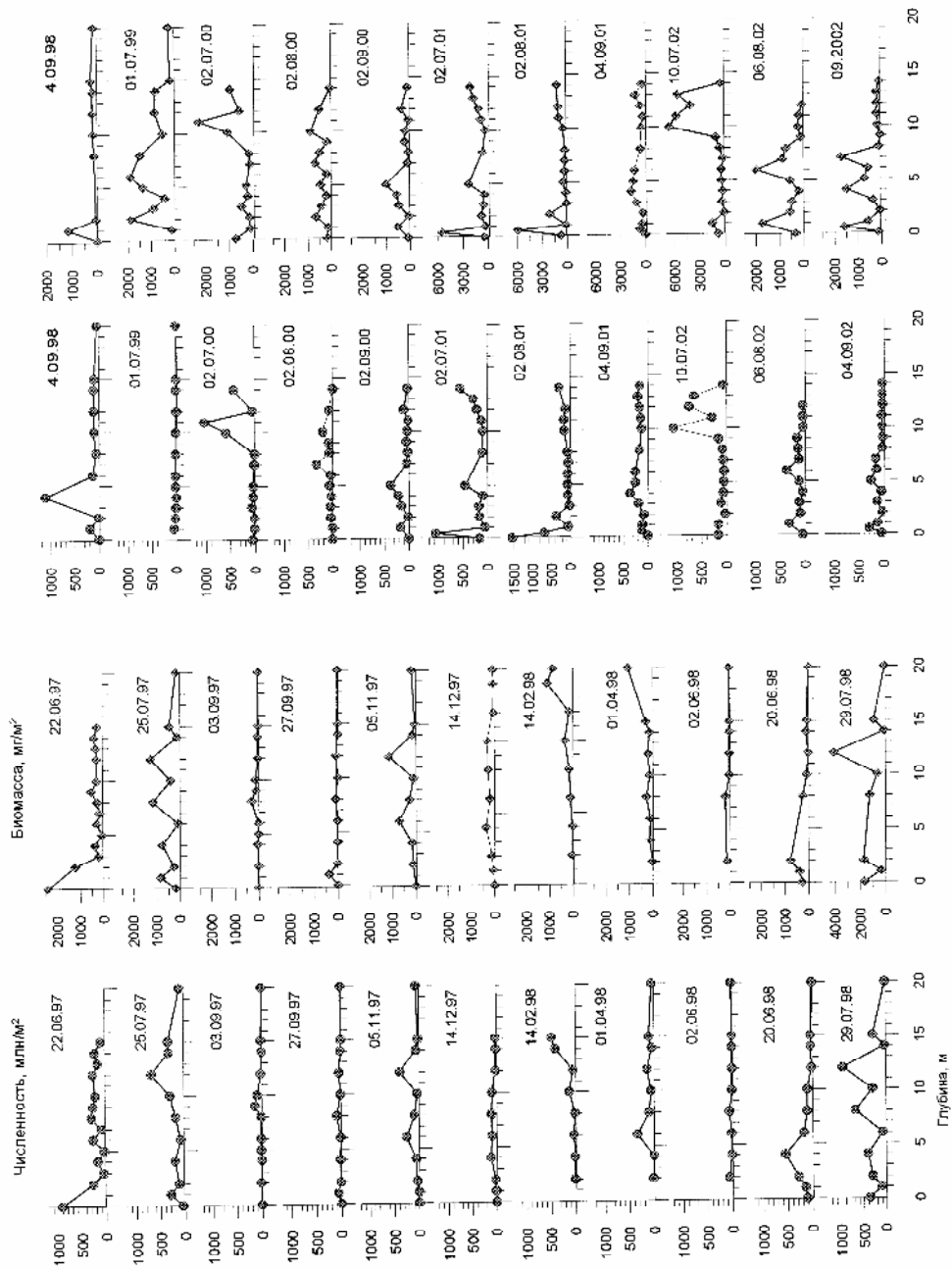
2004).

10-12 . ,

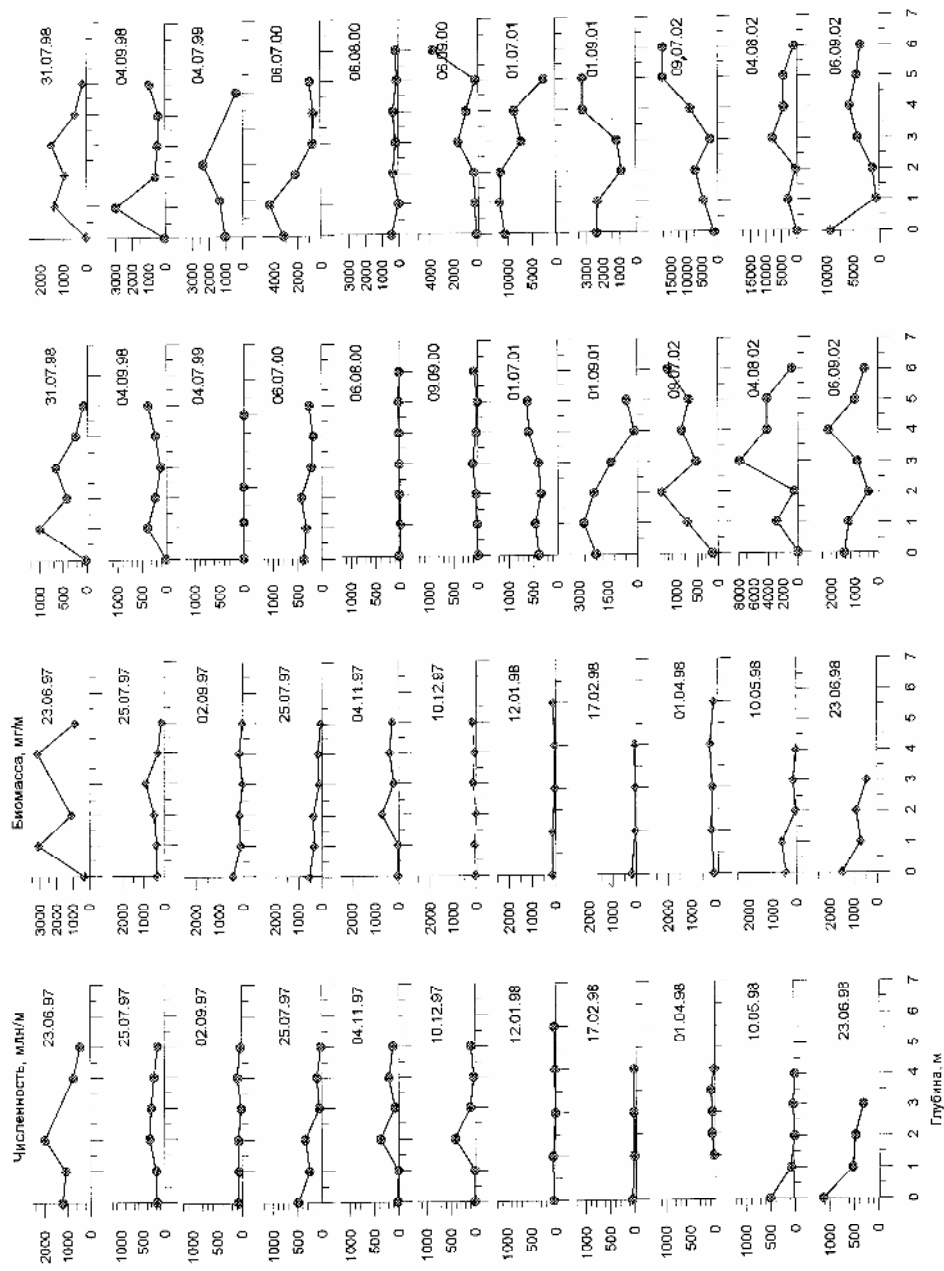
(, 1990) ,

Draparnaldioides.

(, 1999),
Cymbella, *Gomphonema*
Navicula *Didymosphenia geminata*.
1997-2002
20 10^6 / $2 - 5 \cdot 10^9$ / 2 ,
150 / 2 9361 / 2 .
2001-2002
(. . 2).
1997
(25) *Cymbella ventricosa*, *Gomphonema ventricosum*, *G. olivaceoides* Hust., *Reimeria sinuata* J.P. Kociolek & E.F. Stoermer., *Rhoicosphenia curvata* (Kütz.) Grun. *Navicula*.
Amphora Ehr., *Surirella* Turp. *Navicula* (. . 2).
1998 . , 1997 .
Didymosphenia (. . 3).
- 754 / 2
(Röpstorf et al., 2003).
1999 .
Gomphonema quadripunctata
Fragilaria Lyngby , *F. capucina* Desmar., *F. vaucheriae*
(Kütz.) B. Petersen, *F. crotonensis* Kitt., *F. pinnata* Ehr.
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2000 .
Didymo-
sphenia geminata,
Gomphonema quadripunctata, *Cocconeis placentula*, *Nitzschia recta*.
Ellerbekia arenaria, *Navicula tripunctata*
N. radiosa Kütz.
2001 .
(. . 2), 2
Syn dra ulna (Nitzsch) Ehr., *Cymbella turgida* (Greg.) Cleve,
C. tumida (Bréb. ex Kütz.) Van Heurck, *C. ventricosa*, *Gomphonema quadripunctata*
Didymosphenia geminata.
Navicula cryptocephala, *N. tripunctata*,
N. bacillum Ehr. (5-6) *Cymbella*
stuxbergii Cleve, *Cyclotella minuta*, *Navicula lacus baicalii* *Amphora sibirica* Skv. & Meyer.



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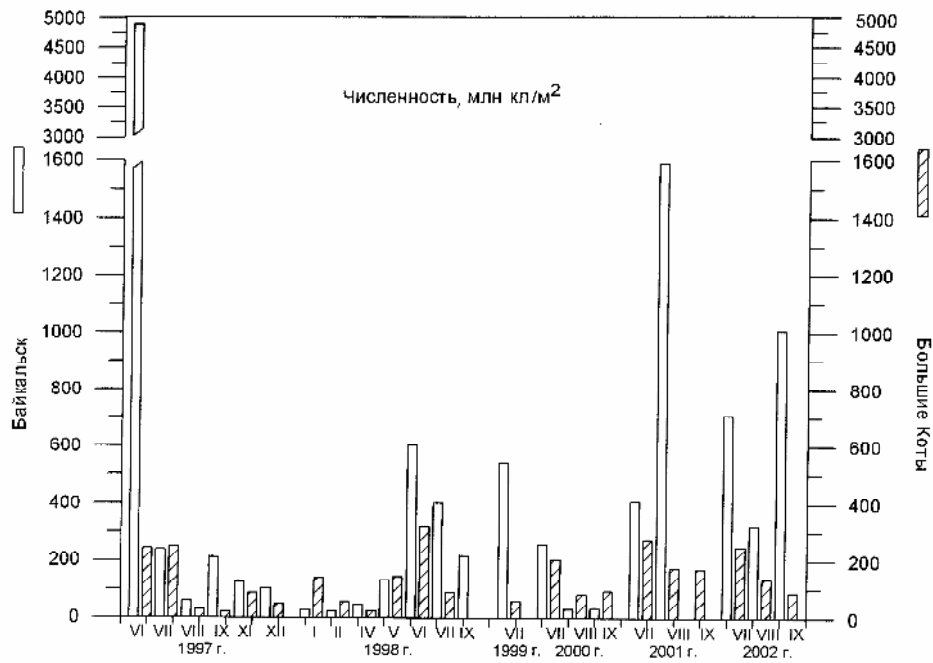
2002 .
Cymbella, *Navicula oppugnata* Hust., *Cocconeis placentula*, *Gomphonema quadripunctata*.
geminat *D. dentata*. *Didymosphenia*
 (. , 1998).

(80) (40-50)
 (. .2).

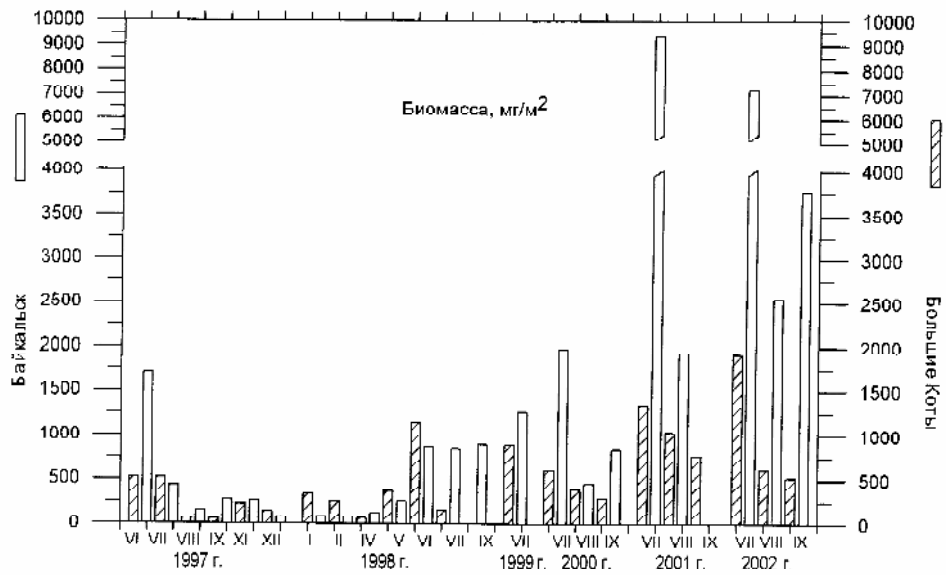
2-4 (.4). 4
 (. 5, 6)

2001-2002 .
 (32), (24),
 (270 205).
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Nitzschia, *Fragilaria*, *Cymbella*, *Synedra*, *Gomphonema*.
 (, 1990; , 2002; ,
 , 2003). (,
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(, 1987; , 1992; Grosheva et al., 2000),

(, 1976).

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(Moore, 1980, 1981; , 1982; ,
1985; , 1990; , , 2001).

(, 1976)
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G.V. Pomazkina, Ye.V. Rodionov, O.M. Mushnikova

Limnological Institute, Russian Academy of Sciences,
Ulan-Batorskaya, 3, 664033 Irkutsk, Russia

MICROPHYTOBENTHOS IN SOUTHERN BAIKAL (RUSSIA)

Quantitative indices of microphytobenthos have been obtained on the basis of long-term studies. Dominant structures of communities, seasonal, inter-annual and zonal changes of abundance and biomass of microphytobenthos under different ecological conditions of Southern Baikal have been analyzed. It is caused by changes of species diversity of algae community structures as well as by environmental factors. Spring and summer rises of abundance and biomass of microphytobenthos with the prevalence of the summer one is characteristic of seasonal dynamics.

Keywords: microphytobenthos, abundance, biomass, zonal distribution, Lake Baikal.

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