

/ 2 /

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53120.14.9 " ", . ,

. 7697/18 19.01.2018 .

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- 53120.14.9 " ", " ",

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-53120. " " 200 " " , - ,
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6 26.01.2017 . , 61

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10 ().

, :
- 60 %;
() -1.2;
- 40 %.

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14.998, 3
1.198, 14.42, 1.196 1.197.

1809 . .

.2, „” .10, " "
2 .93, .1, .1 .2 ,
7697/18 19.01.2018 .

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53120.14.9 - .

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13 -38/07.11.2013

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” “ 2489 . . .
111, I, 77, . 364,
285/26.01.2007 ., 67, I, 178/07.

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- 7 01.03.2013 . ;
- 4 31.07.2003 ;
- 8 14.06.2001 . ;
- 7 24.08.2004 . ,

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6 26.01.2017 . “ ”,

10 ().

- 60 %;

() -1.2;

- 40 %.

10 .

5 14.998, 3

1.196 1.197. 1809 . . 1.198, 14.42,

2 489 2 746 2. 30% ,

1 743 2 70% .

3 .18, .1 4 17

2005 . , .53 28 2005 .,

3 / 2 ,

50% 80%

				V	V	V	V	V					
	, ³	79	79	79	100	100	157	157	157	100	100	79	79
Q, /		0,03	0,03	0,03	0,04	0,04	0,06	0,06	0,06	0,04	0,04	0,03	0,03
Q ., /		0,03			0,05						0,03		
Q . ., /		0,04											

$Q_{\text{в}} = 3,46 \text{ м}^3/\text{с}$ $0,04 \text{ м}^3/\text{с}$,
 $Q_{\text{г}} = 5,18 \text{ м}^3/\text{с}$ $0,06 \text{ м}^3/\text{с}$.

1 300 м^3 , 1 266 м^3

110 (± 30) .

() ,

BG2G00000N018 -

BG2G00000N018,

-6,5-7,0 / , 10-50 / , - 0,6 - 0,7 / ; - 12-14° .

Диаметър	Предназначение и вид на колоната, диаметър	Вид на колоната
0,00 ÷ 10,0(± 3)м	кондукторна метална колона $\varnothing 324$	плътна
0,00 ÷ 110,0(± 30)м	експлоатационна колона: V R16 $\varnothing 180$ 13,4 R16 $\varnothing 160$ 11,9 30 ,	плътна и филтърна

2.1.1.

” 1 15, 2

(Ø180 Ø160)

110 (± 30) .

10,0 (±3),

Ø300,

Ø395

Ø 430 (Ø324 -

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110 (±30)

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(42.5R 52.5R.

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(Ø180 Ø160)

110 (±30).

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2003 . , .63 13 2010 .);
3) (. , .91 25
2002 . , .61 6 2010 .);
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. 124 23 1997 ., . , . 12 12 2010 .);
5) .67/1999 .- ,
6) ., . 91 25.09.2002 .,
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19.03.2013 ., 19.03.2013 ., ., . 90 31.10.2014 ., 31.10.2014 .,
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 ” (BG 0000573);
 ” (BG 0000130).
 ” (BG 0002082);
 ” (BG 0000573);
 ” (BG 0000130).

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BG 0000102,
BG 0002061

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BG 33

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92/43/EEC

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2009/147 /

II

92/43 /

I 1088 Cerambyx cerdo p R C B C B

F 1149 Cobitis taenia p V D

R 5194 Elaphe sauromates p localities P DD C A C A

R 1220 Emys orbicularis p 1 1 localities V P C A C A

P 2327 Himantoglossum caprinum p R DD C B B B

I 1083 Lucanus cervus p R C B C B

M 1355 Lutra lutra p 3 6 i G C A C A

M 2609 Mesocricetus newtoni p V C B C C

M 1310 Miniopterus schreibersii p 101 250 i P M C B C C

I 1089 Morimus funereus p R C B C B

M 2633 Mustela eversmannii p R B A B A

M 1323 Myotis bechsteinii p 244 402 i P M C B C B

M 1307 Myotis blythii p 11 50 i R G C B C C

M 1316 *Myotis capaccinii* p 51 100 i P M C A C C
 M 1321 *Myotis emarginatus* p P D D D
 M 1324 *Myotis myotis* p 51 100 i R M C C C C
 M 1305 *Rhinolophus euryale* p 51 100 i C G C B C C
 M 1304 *Rhinolophus ferrumequinum* p 51 100 i P P C B C C
 M 1303 *Rhinolophus hipposideros* p R D D D
 M 1302 *Rhinolophus mehelyi* p P D D D
 I 1087 *Rosalia alpina* p R C B C B
 M 1335 *Spermophilus citellus* p C C B C B
 R 1219 *Testudo graeca* p localities P D D C A C A
 R 1217 *Testudo hermanni* p localities P D D C C C C
 A 1171 *Triturus karelinii* p localities P D D C A B A
 I 1014 *Vertigo angustior* p 1 63000 i R M B A C A
 I 1016 *Vertigo moulinsiana* p 1 2000000 i R M B A C A
 M 2635 *Vormela peregusna* p P C B

R *Ablepharus kitaibelii* P X
 Fu *Boletus dupainii* R X
 Fu *Boletus pulverulentus* R X
 Fu *Boletus rhodopurpureus* R X
 P *Boletus satanas* R X
 Fu *Bovista graveolens* R X
 A *Bufo viridis* C X
 I *Calosoma sycophanta* C X
 P *Centaurea arenaria* R X
 R *Coluber caspius* C X
 R *Coluber jugularis* P X
 R *Coronella austriaca* R X
 P *Crambe maritima* C X
 P *Cyclamen coum* C X
 R *Elaphe longissima* C X
 M *Eptesicus serotinus* C X
 M *Erinaceus concolor* C X
 P *Eryngium maritimum* R X
 F *Esox lucius* P X
 P *Euphorcia lucida* R X
 F *Gasterosteus aculeatus* P X
 I *Helix lucorum* C X
 I *Helix pomatia* C X
 P *Heridium erinaceum* R X
 A *Hyla arborea* C X
 P *Hypocoum ponticum* V X
 M *Hypsugo savii* C X
 R *Lacerta trilineata* P X

R *Lacerta viridis* C X
 P *Lactuca tatarica* R X
 I *Lepthyphantes istrianus* R X
 M *Lepus europaeus* P X
 P *Leucojum aestivum* C X
 M *Mustela nivalis* C X
 M *Myotis daubentonii* C X
 R *Natrix tessellata* P X
 M *Nyctalus noctula* C X
 P *Opopanax chironium* ssp. *bulgaricum* R X
 I *Orietes nasicornis* C X
 M *Ovis ammon* P X
 A *Pelobates syriacus* P X
 P *Periploca graeca* C X
 F *Petroleuciscus borysthenticus* R X
 M *Pipistrellus nathusii* C X
 M *Pipistrellus pipistrellus* C X
 M *Pipistrellus pygmaeus* R X
 M *Pipistrellus pygmaeus* R X
 R *Podarcis muralis* P X
 R *Podarcis taurica* P X
 P *Primula rosea* C X
 I *Procerus scabrosus* R X
 P *Pulveroboletus gentilis* V X
 A *Rana dalmatina* C X
 P *Scilla bithynica* C X
 P *Secale sylvestre* V X
 I *Serolina sero* R X
 P *Silene euxina* R X
 P *Silene thymifolia* C X
 P *Smilax exelsa* C X
 P *Stachys maritima* R X
 P *Symphytum tauricum* C X
 R *Vipera ammodytes* P X
 P *Vulpia unilateralis* R X

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BG0002061

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28⁰ 24' 28"

N 43⁰ 24'

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/

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BG 332

100%

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92/43/EEC

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92/43/EEC

I .79/409/EEC

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A404 *Aquila heliaca* () 2i A A C A

A094 *Pandion haliaetus* O 28i A A C A

A078 *Gyps fulvus* 6i/4-7i A A B A

A403 *Buteo rufinus* 94i A A C A

A095 *Falco naumanni* 1i/0-1i A A B A

A032 *Plegadis falcinellus* 35i/30- 40i B A C B

A215 *Bubo bubo* 1p C A C C

A031 *Ciconia ciconia* 67229- 85926i A A C A

A034 *Platalea leucorodia* 3i D

A097 *Falco vespertinus* 235i A A C A

A090 *Aquila clanga* 2i A A C A

A246 *Lullula arborea* 10p 23i/20- 26i D

A379 *Emberiza hortulana* 6p D

A242 *Melanocorypha calandra* 1500i 154i/14 0-165i C A C C

A020 *Pelecanus crispus* 17i/15- 20i C A B A

A402 *Accipiter brevipes* 1p 105i A A C A

A243 *Calandrella brachydactyla* 25p C A C C

A084 *Circus pygargus* 24i A A C A

A511 *Falco cherrug* 7i/5-8i A A C A

A026 *Egretta garzetta* 6i/4-8i D

A089 *Aquila pomarina* 1359i C A

A092 *Hieraaetus pennatus* 30i B A C A

A098 *Falco columbarius* 2i D

A080 *Circaetus gallicus* 75i B A C A

A072 *Pernis apivorus* 1201i B A C A

A255 *Anthus campestris* 5p 66i D

A082 *Circus cyaneus* 34i A A C A

A019 *Pelecanus onocrotalus* 11415i A A C A

A397 Tadorna ferruginea a 3i/2-4i D
 A029 Ardea purpurea 1i D
 A127 Grus grus 41i B A C A
 A231 Coracias garrulus 8p 10i D
 A091 Aquila chrysaetos 3i C A C A
 A103 Falco peregrinus 10i A A C A
 A083 Circus macrourus 36i A A C A
 A081 Circus aeruginosus 1189i A A C A
 A074 Milvus milvus 14i A A C A
 A320 Ficedula parva 20i/15- 25i D
 A338 Lanius collurio 30p 18i/10- 30i D
 A030 Ciconia nigra 1160i/7 95-1526 A A C A
 A073 Milvus migrans 110i A A C A
 A533 Oenanthe pleschanka 35p B A B A
 A307 Sylvia nisoria 5p D

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79/409/EEC

404 Aquila heliaca K () 2i A A C A
 A094 Pandion haliaetus O 28i A A C A
 A078 Gyps fulvus 6i/4-7i A A B A
 A403 Buteo rufinus 94i A A C A
 A095 Falco naumanni 1i/0-1i A A B A
 A032 Plegadis falcinellus 35i/30- 40i B A C B
 A215 Bubo bubo 1p C A C C
 A031 Ciconia ciconia 67229- 85926i A A C A
 A034 Platalea leucorodia 3i D
 A097 Falco vespertinus 235i A A C A
 A090 Aquila clanga 2i A A C A
 A246 Lullula arborea 10p 23i/20- 26i D
 A379 Emberiza hortulana 6p D
 A242 Melanocorypha calandra 1500i 154i/14 0-165i C A C C
 A020 Pelecanus crispus 17i/15- 20i C A B A
 A402 Accipiter brevipes 1p 105i A A C A
 A243 Calandrella brachydactyla 25p C A C C
 A084 Circus pygargus 24i A A C A
 A511 Falco cherrug 7i/5-8i A A C A
 A026 Egretta garzetta 6i/4-8i D
 A089 Aquila pomarina 1359i B A C A
 A092 Hieraaetus pennatus 30i B A C A
 A098 Falco columbarius 2i D
 A080 Circaetus gallicus 75i B A C A
 A072 Pernis apivorus 1201i B A C A

A255 *Anthus campestris* 5p 66i D
 A082 *Circus cyaneus* 34i A A C A
 A019 *Pelecanus onocrotalus* 11415i A A C A
 A397 *Tadorna ferruginea* a 3i/2-4i D
 A029 *Ardea purpurea* 1i D
 A127 *Grus grus* 41i B A C A
 A231 *Coracias garrulus* 8p 10i D
 A091 *Aquila chrysaetos* 3i C A C A
 A103 *Falco peregrinus* 10i A A C A
 A083 *Circus macrourus* 36i A A C A
 A081 *Circus aeruginosus* 1189i A A C A
 A074 *Milvus milvus* 14i A A C A
 A320 *Ficedula parva* 20i/15- 25i D
 A338 *Lanius collurio* 30p 18i/10- 30i D
 A030 *Ciconia nigra* 1160i/7 95-1526 A A C A
 A073 *Milvus migrans* 110i A A C A
 A533 *Oenanthe pleschanka* 35p B A B A
 A307 *Sylvia nisoria* 5p D

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79/409/EEC

A165 *Tringa ochropus* 11i/8- 14i D
 A017 *Phalacrocorax carbo* 918i C B C C
 A085 *Accipiter gentilis* 314i/30 0-330i A A C A
 A459 *Larus cachinnans* 1359i B A C A
 A086 *Accipiter nisus* 480i/45 0-510i A A C A
 A087 *Buteo buteo* 13053i A A C A
 A099 *Falco subbuteo* 215i A A C A
 A028 *Ardea cinerea* 189i B B C B
 A096 *Falco tinnunculus* 2p 151i A A C A
 A054 *Anas acuta* 5i C A C C

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 B Alauda arvensis 1003i C
 B Carduelis cannabina 395i C
 B Carduelis chloris 418i C
 B Fringilla coelebs 9609i C
 B Fringilla montifringilla 63i C
 B Galerida cristata C C
 B Jynx torquilla C C
 B Miliaria calandra 604i C
 B Parus caeruleus 54i C
 B Saxicola torquata 24i C
 B Turdus merula 401i C
 B Turdus philomelos 521i C
 B Turdus torquatus 11i C

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/Artemisia alba/ /Bromus riparius/
/Quercus pubescens/
/Q. virgiliana/
136 , 42
(1985). 65 (SPEC) (BirdLife International, 2004). SPEC1 7 ,
SPEC2 - 18 , SPEC3 - 40 .
56 , 2
51 , 79/409
-
-
/Milvus milvus/,
/Gyps fulvus/, /Circus aeruginosus/, /Circus pygargus/,
/Circus macrourus/, /Accipiter gentilis/,
/Accipiter nisus/, /Accipiter brevipes/,
/Buteo buteo/, /Pandion haliaetus/, /Falco tinnunculus/,
/Falco vespertinus/, /Falco cherrug/ /Falco peregrinus/. 23% 150 39% -
160 500 ,
-
/Oenanthe pleshanka/,
/Bubo bubo/

120

Via Pontica.

150

BirdLife International

2005

- 41%;

- 26%;

- 37%;

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513

B	-	0
A	-	95

601		B	-	25
709		A	-	5
100		A	-	30
700		A	-	30
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140		B	+	43
230		B	-	90
400	,		A -	5
423		A	-	5
502	,	A	0	2
501	,		0	2

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505		A	-	
513		A	-	
520		B	-	
601		B	-	
504		C	-	
700		A	-	
702		C	-	
701		A	-	
703		A	-	
709		B	-	
410		A	-	
100		A	-	
502	,	C	0	
164		B	-	
165		B	-	
166		B	-	
210		C	0	
213		C	0	
423		A	-	
230		B	-	
400	,		C -	
220			C -	

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Emberiza hortulana
Pernis apivorus
Accipiter brevipes
Aquila pomarina
Circus pygargus
Circus macrourus
Circus cyaneus
Circus aeruginosus
Circaetus gallicus
Gyps fulvus
Aquila chrysaetos
Milvus migrans
Hieraetus pennatus
Platalea leucorodia
Plegadis falcinellus
Ciconia ciconia
Ciconia nigra
Ardea purpurea
Egretta garzetta
Pelecanus crispus
Pelecanus onocrotalus
Milvus milvus
Melanocorypha calandra
Falco cherrug
Aquila heliaca K ()
Buteo rufinus
Tadorna ferruginea
Laniuscollurio
Ficedula parva
Sylvia nisoria
Anthus campestris
Aquila clanga
Calandrella brachydactyla
Oenanthe pleschanka
Coracias garrulus
Bubo bubo
Grus grus
Falco peregrinus

Falco columbarius
 Falco vespertinus
 Falco naumanni
 Pandion haliaetus O
 Lullula arborea

, (. .79/409/) .2

Buteo buteo
 Accipiter nisus
 Falco subbuteo
 Anas acuta
 Larus cachinnans
 Falco tinnunculus
 Accipiter gentilis
 Ardea cinerea
 Phalacrocorax carbo
 Tringa ochrop

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 • , 22/2001 .
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 " " BG 0000102, .6, .1, .1 .2
 " " , BG 0002061 .6, .1, .3 4 , .
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 6,7 / .
 1 / 15,3%.
 - (40%).
 23% 18,4%, -
 - 4,4%.
 (424), -
 26% - 23%.
 15-17 (0,5),
 -
 (85%), - 70%.
 30% . 78%.

0,8° .
19,2° .

11,8° .

22,3° .

26%

15-17 (

(424

),

0,5

-

),

23%.

(85%),
30%

- 70%.

78%.

6,7 / .
15,3%.

(40%).

23% 18,4%,

- 4,4%.

(15%).

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90-

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339 m²

39 m.

8 m
4 m

0,5 1 m.

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- “ ”,
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60 cm.

70 cm.

80 cm.

45-50 cm.

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20-40 cm.

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Angelova (2002).

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1000 m²/a.

Zostera barbata *Cystozeria barbata*

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85-90 % 49554 4.5%

- 32.4% -

17 %, - 15 % (, - 7.3 %,)

- 0.5 %.

- **/Amphibia/**
- /Caudata/, /Salamandridae/:
- /Triturus Vulgaris/; /T. Cristatus/;
- /Ecaudata/, /Dicoglossidae/:
- /Pelobatidae/ - /Pelobates fuscus/;
- /Bufonidae/, - Bufo ssp.
- **/Reptilia/**

- /Squamanta:/ /Suaria/ - /Ancuidae/;
 /Lacertidae/- /Lacerta agilis/, /L. trilineata/,
 /L. viridis;/ /Scincidae/ - /Untergattung Serpentes/;
 /Colubridae/ -
 Coluber ssp.; /Viperidae/, - /Vipera ammodytes/.

. /Aves/

- /Streptopelia ssp./, ,
 /Oenanthe oenanthe/, /Passer domesticus/
 /Passer montanus/, / (Coloeus monedula) /Delichon urbica/,
 /Delichon urbica/, /Pica pica/, /Corvus cornix/,
 (Corvus flagilegus) (Garilus grandarius), /Parus major/, /Corvus
 monedula/, , /Sylvia articapilla/ , /Larus
 argentatus/ .

IV. /Mammalia/

- /Apodemus ssp./, /Rattus ssp./,
 /Erinaceus concolor/, /Talpa europea/, /Sciurus vulgaris/, /Citelus
 citelus/, /Glis glis/, (Lepus europaeus), , .

- : -
 , , :

. /Amphibia/

- /Ecaudata/, /Hylidae/ -
 /Hyla arborea/ /Ranidae/,

. /Reptilia/

- : .
 /Squamanta:/ /Lacertidae/- /Lacerta taurica/,
 , /Podarcis muralis/;
 /Colubridae/ -

;

. /Mammalia/

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