

### Chrostiti (Trichoptera) Jizerských hor a Frýdlantska

#### Trichoptera of the Jizerské hory Mts and Frýdlant region (northern Bohemia, Czech Republic)

RcxgnE J XQLMC

Gp<sup>v</sup>q o qnq ikem<sup>2</sup> qf f ngpP<sup>a</sup> tqf p<sup>j</sup> j q<sup>0</sup> w | gc. "Mwptcvek<sup>3</sup>." E \ "ó36:" 22" Rtcjc<sup>6</sup>="   
g / o ckn< r cxgnae j xqlmc B p o ðe |

**Abstract.** "C"vqcn"qh"354"urgek<sup>u</sup>"qh"Vtkejqrvtc"ygtg"tgeqtfgf"fwtkpi"cp"gpvq o qnq ikem<sup>2</sup>uwxg{"kp"vjg"Lk|gtum<sup>2</sup>"  
jqt{"Ovu"cpfHt fncpv"tgikqp"pqvtjgtp"Dqjg okc."E|gej"Trwdnke+kp"3; ; 6422:0Cmvq igv jgt"332"urgek<sup>u</sup>"ygtg"hqwpf"  
kp"vjg"Lk|gtum<sup>2</sup>"jqt{"Rtqygev<sup>f</sup>"Ncpfuecrg"ctgc."kpenwfkpi"vjg"tctg"urgek<sup>u</sup>"Wormaldia pulla \*OeNcejncp."3:9:+"  
Polycentropus irroratus \*Ewtvku."3:57+."Plectrocnemia geniculata OeNcejncp."3:93."Hydropsyche fulvipes \*Ewtvku."  
3:56+."H. tenuis Pcx<sup>a</sup>u."3;54."cpf"Agrypnia pagetana Ewtvku."3:57."y jkng"8:"urgek<sup>u</sup>."kpenwfkpi"Oligostomis reticulata  
\*Nkppcgwu."3983+."Ylodes simulans \*Vlgfgt."3;4;+."Ceraclea senilis \*Dwt o gkuvtg."3:5;+."cpf"Oecetis testacea \*Ewtvku."  
3:56+."ygtg"eqnngveg<sup>f</sup>"kp"vjg"Ht fncpv"tgikqp"0Cm"tgeqtfgf"urgek<sup>u</sup>"ctg"nkuv<sup>f</sup>"vqi gvjgt"ykvj"vjgkt"nqecnkv{"fcvcð

**Key words:** "Vtkejqrvtc."hcwpkuvkeu."Lk|gtum<sup>2</sup>"jqt{"Ovu."Ht fncpv"tgikqp."Dqjg okc."E|gej"Trwdnke

—XQF

Ejtq<sup>v</sup>u<sup>f</sup>ek"luqw"x<sup>t</sup>a oek" gum<sup>2</sup>tgrwdnkm{"rqo tp "fqd g"rtq|mqw o cpqw"umwrkpw"j o {"|w."  
rtxpP<sup>f</sup>rt<sup>a</sup>eg"d{n{"wxg glp p{"lkl"x"rqnqxkp "3;0"uvqngv<sup>f</sup>"c"qf"v<sup>2</sup>"fqd{"d{n{"|À|g o f" T"rwdnk/  
mqx<sup>a</sup>p{"p<sup>a</sup>ng|{"474"ftwj "ejtq<sup>v</sup>u<sup>f</sup>m ."|vqj q"465"| gej" c"433"|Oqtex{"\*Ejxqlmc" ("Mq o /  
|<sup>a</sup>m"422:+0"X" gtxgp<sup>2</sup> o "ug|pc o w"qjtqflgp ej"ftwj "dg|qdtevn ej" T"lg"wxgfgppq"fgx v"  
ftwj "lcmq"tgikqp<sup>a</sup>np "x{j{j{pwn ej."3;"mtkvkem{"qjtqflgp ej."48"qj tqflgp ej" c"52"|tcpkvgnp ej"  
\*Ejxqlmc"gv"cn0"4227+0

Hcwpc"Vtkejqrvtg"Lk|gtum ej"jqt" c |xn<sup>a</sup>-v "Ht fncpvumc"d{nc"cfi"fquwf"xg"utqxp<sup>a</sup>p<sup>f</sup>"u"p m/  
vgt ok"lkp ok"qdncuovok" T"xgnok"pgfquvcvg p "|p<sup>a</sup> o<sup>a</sup>."pgdq "vq o wvq"À|g o f{"d{nc"x"okpwnquvk"  
x p<sup>q</sup>xcp<sup>a</sup>lgp"o cn<sup>a</sup>rq|qtpquv0"Q|u<sup>a</sup>jn "x |mw o"xqf p<sup>f</sup>j q"j o {"|w"x" T"x"rqnqxkp "420"uvqngv<sup>f</sup>  
ukeg"|cjtpqxcn" c fw"nqmcnk<sup>v</sup>"x"Lk|gtum ej"jqt<sup>a</sup>ej"\*Ncpfc" ("Uqnf<sup>a</sup>p"3; ; -"Pqx<sup>a</sup>m"3;95+."cng"  
x ungf m{"q"ejtq<sup>v</sup>u<sup>f</sup>e<sup>f</sup>ej"pgd{n{"uqwjtp "wxg glp p{"rwdnkmqx<sup>a</sup>pc"d{nc"rqw|g"x{dtecp<sup>a</sup>fcvc"  
\*Pqx<sup>a</sup>m"3;7:."3;84."3;86+0"Fc n-<sup>f</sup>pgrq gvp<sup>2</sup>"Áfclg"luqw"qduclfgp{"x"r tce<sup>f</sup>ej"Ocnkem<sup>2</sup>jq<sup>3</sup>; ; 2+."  
Twem<sup>2</sup>jq"4229+."U mqt{"\*3;84+"c"Vq o cu|gyum<sup>2</sup>jq<sup>3</sup>;54+0"V{vq"p<sup>a</sup>ng|{"ug"x|vcjw<sup>f</sup>"rqw|g"  
m"38"ftwj o"ejtq<sup>v</sup>u<sup>f</sup>m 0"Fc n-<sup>f</sup>ej"-guv"ftwj "\*Ejxqlmc" ("Pqx<sup>a</sup>m"4223+d{nq"rwdnkmqx<sup>a</sup>pq"cfi"  
pc|"<sup>a</sup>mncf " o cvgtk<sup>a</sup>nw"|g"uqw cup<sup>2</sup>"uvwfkg0

OGVQFKMC" C"OCVGTk f N

Ocvgtk<sup>a</sup>n"d{n"ud<sup>f</sup>t<sup>a</sup>p"x"tq|og|<sup>f</sup>ngv"3; ; 6422:"mq o d<sup>i</sup>pc<sup>e</sup>f"t |p ej"ogvqf."rq|qtpquv<sup>d</sup>{nc"x p<sup>q</sup>x<sup>a</sup>pc"x-g o v{r o"  
oqm cf ."cd{"d{nq|cej{egp<sup>q</sup>eq"o qflp<sup>a</sup>pglÁrnp l-<sup>f</sup>ftwjqx<sup>2</sup>urgm<sup>t</sup>wo"ejtq<sup>v</sup>u<sup>f</sup>m 0R k"rt |mw o w<sup>q</sup>ti c<sup>p</sup>k|qxcp<sup>2</sup>o"Urt<sup>a</sup>/  
xqw"E J MQLk|gtum<sup>2</sup>"jqt{"d{n"j o {"|ud<sup>f</sup>t<sup>a</sup>p"pc"x{vkrxcp ej"nqmcnk<sup>v</sup>ej"rq o qe<sup>f</sup>"Ocnckugj q"rcu<sup>f</sup>\*OV<sup>ó</sup>"Ocnckug<sup>v</sup>trcu+."  
p<sup>a</sup>tc|qx ej"rcu<sup>f</sup>\*EHV<sup>ó</sup>eq o d<sup>k</sup>pg<sup>f</sup>"lki jv<sup>v</sup>trcu+."flnw ej"okugm\* [RV<sup>ó</sup>g{gmqy"rcp<sup>v</sup>trcu+."r{tc ok<sup>f</sup>a<sup>n</sup>p<sup>f</sup>ej"rcu<sup>f</sup>\*R [ T"  
ó"r{tc ok<sup>f</sup>cn<sup>v</sup>trcu+c<sup>g</sup>ogti g<sup>p</sup>p<sup>f</sup>ej"rcu<sup>f</sup>\*GV<sup>ó</sup>g o gti g<sup>p</sup>eg<sup>v</sup>trcu+."x|qtm{"d{n{ "Lzqx<sup>a</sup>p{"x"gvcpqmw<sup>c</sup>p<sup>a</sup>ungf p<sup>v</sup> f p {"  
f"lgfpqmkx ej" " f l gng<sup>f</sup>"j o {"w"\*rqftqdp "v{vq"ogvqf{"rqrkuwg"Xqpk mc"422:+0"Fc n-<sup>f</sup>ok<sup>f</sup> ngflk<sup>v</sup> ok<sup>o</sup>gvqfc ok



o qm cf" w m t e x f p c" l k j q x e j q f p " q f" **Zlaté Olešnice.**"722" o. ; 0KZ04226. LR" ("LL0" [14] < **Hájenny potok** p e f" D f n o" R q v m g o. "7379. "752" o. "U Y. "450XK04227. RE j 0" [15] < **Harcovský potok.**"7478. "U Y < [15a] < **Harcovský potok** p e f" N w m" - q x g o. "772" o < 450XK003 ; ; . ; . LR= "40Z04228. RE j = [15b] < **Harcovský potok** r q f" N w m" - q x g o. "632" o. "40Z04228. RE j = [15c] < r t e x q u t t e p p " r f v q m" G g c t e q x u m" j q" r q v m c" x e j q f p " q f" L f n q x" j q" x t e j w. "792" o. "40Z04228. RE j = [15d] < n g x q u t t e p p " r f v q m" M g o g p p" j q" r q v m c. "U v c t " J t e q x. " | " r e f p " q f" L f n q x" j q" x t e j w. "672" o. "40Z04228. RE j 0" [16] < **Holubí potok** c" m" q u e x" t" { d p f m" k l f p " q f" T e u r g p e x { . "7378" < [16a] < **Holubí potok** 0" f t q l p l e g. "X l p k p" a" e g u c v. "7378. "722" o. [ RV. "390X0/50XK04225. "370XK00/50XK004225. "x-g" LR" ("RX= [16b] < m" q u e x" t" { d p f m. "587" o < U Y < 490X04222. "80X04225. "x-g" LR= "N<3" 470KZ04222. "350XK004226. "460/4: 0XK0422. "x-g" HM= [16c] < **Holubí potok** r q f" m" q u e x o " t { d p f m g o. "572" o < U Y. "3; 0XK04223. LL= "OV. "520KX0/440Z04224. LR" ("RX= [16d] < **Holubí potok** p e f" T e u r g p e x q w. "552" o. "U Y. "80XK04229. RE j 0" [17] < r q v m" **Jedlová** \* x 0" RT" L g f n q x " f n t p c f" L q u g h q x o " F q n g o. "7379. "7479" < [17a] < **Jedlová.**"7379. ": 92" o. "U Y. "420XK003 ; ; . ; . RE j = [17b] < **Jedlová.** RT" L g f n q x " f n. "7479. ": 22/ : 42" o. "U Y. "50XK003 ; ; . ; . LR= [17c] < **Jedlová.** RT" L g f n q x " f n. "7479. "872/922" o < U Y. "50XK003 ; ; . ; . LR= "OV. [ RV. "3; 0X0/440KZ04227. LR" ("RX= [17d] < **Jedlová.** RT" L g f n q x " f n. "7479. "872" o. "N<3" 440KZ04222. "320XK04223. "70XK04224. "x-g" HM0" [18] < **Jelení potok** p e f" L q u g h q x o " F q n g o. "7379. "U Y < [18a] < **Jelení potok.**"62; ; 2" o < 50XK003 ; ; 3. RE j = "50KZ03 ; ; 9. "340Z03 ; ; . ; . "x-g" LR= [18b] < **Jelení potok.**"52" o. "420XK003 ; ; . ; . RE j 0" [19] < r q v m" L g k e g" c" O c n" L g k e g. "7378" < [19a] < L g k e g. "Q n f k e j q x" x" J" "f e j. "5; 7/642" o. "U Y. "430XK04227. RE j = [19b] < L g k e g" o g k" Q n f k e j q x o " x" J" "f e j" c" O p f" - m g o. "5; 2/5: 7" o. "U Y. "430XK04227. RE j = [19c] < n g x q u t t e p p " r f v q m" L g k e g" u g x g t p " q f" Q n f k e j q x o " x" J" "f e j" c" O p f" - m g o. "5; 2/5: 7" o. "U Y. "430XK04227. RE j = [19d] < r t e x q u t t e p p " r f v q m" L g k e g. "g t v q x c" l" a" o" c" u x l" q" f" Q n f k e j q x c" x" J" "f e j. "652" o. "U Y. "430XK04227. RE j = [19e] < r t e x q u t t e p p " r f v q m" L g k e g. "U v t l q x " x t e j" u g x g t p " q f" Q n f k e j q x c" x" J" "f e j. "P R T" L k l g t u m q j q t u m" d w k p { . "842" o. [ RV. "50XK003/3; 0KZ04225. LR= [19f] < r t e x q u t t e p p " r f v q m" L g k e g. "m" r k " a" m" j q t c" u l u" 0" q" f" Q n f k e j q x c" x" J" "f e j. "P R T" L k l g t u m q j q t u m" d w k p { . "722/822" o < [ RV. "390XK00/40Z04225. "440Z0/40ZK04226. "460KZ0/450ZK04228. "x-g" LR= "U Y. "530XK04226. LR= "U Y. "430XK04227. RE j = [19g] < O c n" L g k e g. "Q n f k e j q x" x" J" "f e j" / P c" R m" e j. "642" o. "U Y. "3; 0XK04225. LL" ("LR= [19h] < O c n" L g k e g" p e f" Q n f k e j q x o " x" J" "f e j. "5; 2/622" o < DU. "320XK04227. "R0" M w m" - m q x" n i" w l u" U Y < 430XK04227. "390XK04228. "x-g" RE j = [19i] < r t c o g p k - v " k l f p " q f" Q n f k e j q x c" x" J" "f e j" \* x e j q f p " q f" f l n g l p k p f v t c k v. "622" o. "U Y < 460X04225. LR= "430XK04227. "390XK04228. "x-g" RE j = [19j] < o q m c f { . "x n j m" 2" h q w m l" w f l n g l p k p f v u c p l e g" **Mnišek.**"5: 2" o. "U Y. "460X04225. LR" [20] < r q v m" **Ješkrabec.**"7479. "747: < [20a] < **Ješkrabec.**"T g l f k e g. "747: . "942/972" o. "U Y < 3; 0XK04228. "4; 0KZ04228. "40XK0422. "x-g" RE j = [20b] < **Ješkrabec.**"T g l f k e g. "747: . "872/922" o. "U Y < 3; 0XK04228. "4; 0KZ04228. "70XK04229. "40XK0422. "x-g" RE j = [20c] < r t e x q u t t e p p " r f v q m" L g - m t c d e g. " r t c o g p k - v . " T g l f k e g. "747: . "922" o. [ RV. "GV. "50X0/380XK004227. LR" ("RX= [20d] < r t e x q u t t e p p" r f v q m" { " L g - m t c d e g" o g l k" T g l f k e g o k" c" g u m o" m" w o d w t m g o. "747: . "842/872" o. "U Y < 50XK04226. LR" ("LL= "470X04227. LR= "3; 0XK04228. "40XK0422. "x-g" RE j = [20e] < r f v m" L g - m t c d e c. " r t c o g p k - v " k l f p " f e j q x k e. "747: . "842/872" o. "U Y < 3; 0XK04228. "40XK0422. "x-g" RE j = [20f] < r t e x q u t t e p p " r f v q m" L g - m t c d e g" r q f" g u m o" m" w o d w t m g o. "747: . "6: 2/742" o. "U Y < 3; 0XK04228. "4; 0KZ04228. "x-g" RE j = [20g] < **Ješkrabec** k l f p " q f" g u m" j q" m" w o d w t m w. "747: . "742/7: 2" o. "U Y < 520X04227. LL= "40XK0422. "RE j = [20h] < r t c o g p k - v p e" n g x" 2" o d g j w" **Ješkrabec** u x l" q" X g m e j" J c o t . "747: . "752" o. "U Y. "3; 0XK04228. RE j = [20i] < **Ješkrabec** p e f" X g m / m o k" J c o t { . "7479. "662" o. "U Y < 3; 0XK04228. "4; 0KZ04228. "40XK0422. "x-g" RE j 0" [21] < g m c" **Zizera** \* x 0" P R T" T c - g n k p / p k - v " L k l g t { + . "7379. "737: . "747: < [21a] < **Zizera.** P c R f u k p" e j. "P R T" T c - g n k p - v " L k l g t { . "7379. ": 92" o < U Y. "490XK003 ; ; 3. RE j = "U Y. "460XK03 ; ; . ; . LR= "OV. [ RV. "390X0/480KZ04224. LR" ("RX= [21b] < **Zizera.** t c - g n k p - v . "P R T" T c - g n k p - v " L k l g t { . "62" o. "U Y < 340XK003 ; ; 9. "60KZ03 ; ; 9. "40XK03 ; ; . "390Z03 ; ; . "390XK03 ; ; . "460XK03 ; ; . "360XK03 ; ; . "530XK03 ; ; . "60ZK03 ; ; . "x-g" LR= "430XK04223. LL= [21c] < **Zizera.** t c - g n k p - v . "P R T" T c - g n k p - v " L k l g t { . "737: . ": 52" o < U Y < 470XK03 ; ; 8. "50XK003 ; ; 9. "350XK003 ; ; . "420KZ04222. "x-g" HM= "U Y < 390XK03 ; ; . "460XK03 ; ; . "360XK03 ; ; . "320KZ03 ; ; . "x-g" LR= "OV. [ RV. "EHV. "380X0/380Z04225. LR" ("RX= "N<3; 0XK004227. "390XK04229. "4; 0XK0422. "x-g" HM= [21d] < **Krásný potok** p e f" Á u v f o" f q" L k l g t { . "P R T" T c - g n k p - v " L k l g t { . "7379. ": 82" o. "U Y < 420KZ03 ; ; 9. "40XK03 ; ; . "x-g" LR= [21e] < r t e x q u t t e p p " r f v q m" L k l g t { . d x c n " J q l g t x f o. "737: . ": 2" o. "U Y. "40XK03 ; ; . ; . LR= [21f] < **Zizera** p e f" M q p q x g o. "747: . "922" o. "U Y < 50XK003 ; ; 3. "70Z03 ; ; 7. "x-g" RE j = [21g] < **Zizera.** R e u g m f" p e f" L k l g t q w. "747: . "682" o. "U Y. "440XK04227. RE j 0" [22] < f m c" **Zizerka** \* x 0" P R T" T c - g n k p - v " L k l g t m { + . "7379. "737: < [22a] < R f p" x q f c. "7379. ": 2" o < U Y < 50XK003 ; ; 3. "490XK003 ; ; 3. "70Z03 ; ; 7. "x-g" RE j = "DU. "530X03 ; ; 4. RE j = "U Y < 520XK003 ; ; 9. "320KZ03 ; ; . "x-g" LR= [22b] < **Zizerka.** t c - g n k p - v . "P R T" T c - g n k p - v " L k l g t m { . "7379/737: . ": 82/ : 92" o < U Y < 50XK003 ; ; 3. "4: 0XK003 ; ; 3. "x-g" RE j = "N<3; 0XK03 ; ; 8. "70XK003 ; ; 9. "70XK003 ; ; . "x-g" HM= "U Y < 4; 0XK003 ; ; . "4: 0XK003 ; ; . "9. "330KZ03 ; ; 9. "70XK003 ; ; . "9. "70XK003 ; ; . "320KZ03 ; ; . "470KZ03 ; ; . ; . 0KZ04222. "360XK04223. "x-g" LR= "OV. [ RV. "EHV. "380X0/390XK004227. LR" ("RX= [22c] < U c h f t q x " r q v m. "P R T" T c - g n k p - v " L k l g t m { . "737: . ": 87/ : 2" o < U Y < 80XK03 ; ; 9. "4: 0XK003 ; ; 9. "x-g" LR= [ RV. "4; 0XK00/70Z04224. LR= [22d] < **Zizerka.** q d g e" L k l g t m c. "737: . ": 52/ : 72" o < U Y < 50XK003 ; ; 3. "70Z03 ; ; 7. "x-g" RE j = "U Y < 470XK03 ; ; 9. "490XK003 ; ; 9. "3; 0KZ03 ; ; 9. "490XK03 ; ; . "x-g" HM= "U Y < 4; 0XK03 ; ; . "4: 0XK03 ; ; . "4: 0XK03 ; ; . "9. "490XK03 ; ; . "450Z04224. "450XK04225. "0XK004225. "x-g" LR= "N<3" 390XK03 ; ; 8. "4; 0XK003 ; ; 9. "480KZ04222. "x-g" HM= "N<3" 420XK003 ; ; . "380XK04223. "440XK04228. "x-g" LR" [23] < f m c" **Kamenice.**"7379. "7479" < [23a] < **Velký Kamenický potok** w" M t k u v k" p q x c. "7379: . "22" o. "U Y. "3; 0XK003 ; ; . ; . LR= [23b] < **Kamenice** p e f" x q f p" p" f t l f" L q u g h x" F n. "7379. "962" o. "U Y. "50ZK03 ; ; 5. RE j = [23c] < L q u g h x" F n. "e e c" 792" o. "7479. "U Y. "370Z04229. LR= [23d] < n g x q u t t e p p " r f v q m" M c o g p l e g" p e f" L q u g h q x o " F q n g o / R g m m g o. "7479: . "52" o. "

U.Y. 420XKKK03; ; . "Rej=j=[23e]<rtcxqvtccp r fʋqm<Mc o gpleg>u|0qf<Oczqxum2jq<xtejw.7479.852/872> o. "U.Y. 420XKK04228. "Rej=j=[23f]<rtcxqvtccp r fʋqm<Mc o gpleg>Fqnpf<Oczqx<rfqf<Oczqxum o >xtejg o.7479.792> o. "U.Y. 470X04222. LL=[23g]<hgxqvtccp r fʋqm<Mc o gpleg>.Cadtgej<keg<xLk|gtum ej<jqt<ej<w f<qnpf<wpcpeg<hpcqxm{|pc<™rk/™m.7479.822> o. [RV.30ZK04228/3; 0KX04229. LR=[23h]<rtcxqvtccp r fʋqm<Mc o gpleg>.xjm2<hqm{|pcf<lk g<pg o< r479.7479.822> o. "U.Y. 60XKK03; ; . "Rej=j=[23j]<Kamenice>og|k<Xgm ok<Jcot<{<Rncx{|.7479.622> o. "U.Y. 4; 0KZ04228. 40XK0422. "Rej=j=[24]<Mng qx2<nqwm{|RT. Ocn<Mng qx<™nqwmc<6<te-gnkp-v . 7379. ; 82> o<U.Y.<380XKK04223. 390XKK04227. "x-g<HM<N< : 0XK04224. 370XKK04225. 60XKK04226. 460XKK04228. 330XK04229. "x-g<HM0 [25]<Mq k f< potok<ngupf<{dpf m{|w<™tq|xcnkp<Uvct2<jq<™n pc<ugxgtp <qf<Dwnqxm{|.7278.542> o. "U.Y. 30XK04227. LR< ("LL0 [26]< Libverdský potok<Libverdský rybník. "7379.622> o. "U.Y.<420XK04224. 30XK04226. 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"x-g<HM0 [31]<Pc k<efng<RT. te-gnkp-v . 7379. ; 92> o<N<360XKK03; ; . 60XKK03; ; . 70/320XKK04226. 460XKK04228. 340XK04229. "x-g<HM<U.Y. 430XK04223. LL<U.Y.<450KZ04222. 340XKK04223. 330XK04224. 480XK0422. "x-g<HM0 [32]< Pqxqxum<Pluc. 7479. rtc o gpp<qdcnuc. xjm2<hqm{|.qn-kpc. dcfkpc. J qtpf< gtp<Uwvfpkg<w Pqx2<Xuk<pcf<Pluq. 972> o. "U.Y. 450XK04228. LL0 [33]<rqvqm<Oleška. 7378. "U.Y.< [33a]<Umcpf<rqvqm<rtcxqvtccp r fʋqm<Qng-m<+. X vtqx/\<™k-™Plejvqx<Fqom<{+.627> o. 80XKK04229. "Rej=j=[33b]<Oleška<X vtqx/\<™k-™Plejvqx<Fqom<{+.622> o. 80XKK04229. "Rej=j=[33c]<Oleška<lkfp <qf<X vtqxc. eec<5; 2> o. 420XK04223. LL< [33d]<potok<3<mo<x ejqfp <qf< X vtqxc/\<™k-™Plejvqx<Fqom<{+.582> o. 80XKK04229. "Rej=j=[34]<Pekelský potok<w<Teurgpex{|.7278.7379. "U.Y.< [34a]<Pekelský potok. Rgmng.7379.572> o. 3; 0XK04225. LL< [34b]<Pekelský potok<pcf<Teurgpexq.7278.567> o. 50XKK04229. "Rej=j=[34c]<rtc o gpk-v 3<mo<lkfp <qf<™v<{<Chlum<ugxgtxc ejqfp <qf<Teurgpex{|.7278.5; 2> o. 50XKK04229. 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## X UNGFM ["C" FKUMWUG

### R g jngf' |lk-v p ej'ftwj

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## Rhyacophilidae

*Rhyacophila fasciata* J cigp."3:7;

Nkvt<sup>a</sup>tp<sup>f</sup>Àfclg<sup>c</sup>Pqx<sup>a</sup>m\*3;84+."Twenk\*4229+0

Ftwj"lg"x"Gxtqr .u"x lk omqw"Crqpkpum<sup>2</sup>jq"c"R{tgpplum<sup>2</sup>jq"rqnqquvtqxc."|cuvqwrp"~ktqeg"  
tq|~|gp o"pq okpqv{rkem o"rqfftwjg o"cx"fc~|ej"rqfftw|{ej"ug"x{um{vwlg"pc"R{tgpplum<sup>2</sup> o"  
rqnqquvtqxc "c"|cucjwlg"r gu"Ocnqw"Cukk"fq"Nkdcpqpw."pc"Mcxmc|"c"fq"ugxgtp|jq"~t<sup>a</sup>pw0"X" T"  
jqlp "x"rqvqe|ej"rcjqtmcvkp"cjqt."d flp "tqxp fl"xg"ungfqxcp<sup>2</sup>o"À|go"~kocic"432" ."  
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]38d.<\*N+="Holubí potok"]38e="Jedlová"]39d.e."]39f.<\*N+="Jelení potok"]3: d="Lg keg"]3; c="Ješkrabec"]42c.d.k="]  
Jizera"]43c.d.e.h="R { p"~xqfc"]44c="Jizerka"]44d.<\*N+."]44f="Mng qx<sup>2</sup>nqwm{"]46.<\*N+="Pe" kjcfng"]53.<\*N+="  
Prorubský potok"]59="Rovný potok"]5; d.<\*N+="T{d"nqw m{"]62.<\*N+="Uc um "rqvqm"]63c=" gtp"Uo f""]64d="]  
Uo f""]64e="Velký Štolpich"]68d.<\*N+="Velká Rybí voda"]72e="Zlatník"]74d.e="Ztracený potok"]75c.e.i\_0

*Rhyacophila nubila*\* \ gwtgvtgfv."3: 62+

Nkvt<sup>a</sup>tp<sup>f</sup>Àfclg<sup>c</sup>Pqx<sup>a</sup>m\*3;84+0

Ftwj"tq|~|gp "xg"x ejqfp" a"uvk"Gxtqr {"c"r gu"Ocnqw"Cukk"cf"fq"K|tcngn"~c"ugxgtp|jq"~t<sup>a</sup>pw0"  
Jqlp "ftwj."rtghgtwlg"x v~|rqvqm{"c" gm{"uv gfp|ej"~c"pkf~|ej"rqnqj."pc"ux vqj"d{n"wnqxp"  
k"xg"~xtejqnx ej"rcv|ej"lk|gtum ej"jqt"~385" .76" =XK0/Z0+0

Bílý potok"]5d="Blatný potok"]6e.<\*N+="Bukovec"]7c.<\*N+="Bulovský potok"]8="Jedlová"]39f.<\*N+="Lg keg"]3; d="]  
Jizera"]43e.h.i="Jizerka"]44d.f.<\*N+="Libverdský potok"]48="Lomnice"]49f="Mariánskohorské boudy"]52.<\*N+="  
Rovný potok"]5; d.<\*N+="T{d"nqw m{"]62.<\*N+="Uo f""]64e.f.g.k.l="rybník Dubák"]64m.<\*N+="Uo tflqum "rqvqm  
]66c.<\*N+="t{dpl gm."Jqtpp"~Nw cp{"]66e="Velký Štolpich"]68f="Štolpich"]68l="Zlatník"]74e\_0

*Rhyacophila obliterata* OeNcejncp."3: 85

Nkvt<sup>a</sup>tp<sup>f</sup>Àfclg<sup>c</sup>Pqx<sup>a</sup>m\*3;84+."Twenk\*4229+0

X"Gxtqr "ktqeg"tq|~|gp "ftwj."|cucjwlg"cf"pc|"a rcfp"Ukd0"Jqlp "x"jqtum ej"~c"rqfjqt/  
um ej"rqvqe|ej"~c" f m<sup>a</sup>ej."kocic"~7;" "c"7" +nqxgpc"qf"KZ0"fq"rq "avmw"ZK0

Blatný potok"]6e.<\*N+=" gtp"~Fgup""]9d=" gtp"~Pluc[";c="Harcovský potok"]37c.d="r fvyqm" M g o gpp<sup>2</sup>jq"  
potoka"]37f="Ješkrabec"]42c.d.k="Jizera"]43d.e.h="R { p"~xqfc"]44c="Jizerka"]44d.f="Kamenice"]45d="potok,  
Horní Maxov"]66d="Velký Štolpich"]68e.<\*N+="Zlatník"]74c.d\_0

*Rhyacophila polonica* OeNcejncp."3: 9;

Nkvt<sup>a</sup>tp<sup>f</sup>Àfclg<sup>c</sup>Pqx<sup>a</sup>m\*3;84+0

X um{v"xg"uv gfp"~c"lkjxq ejqfp"~Gxtqr ."d flp "ftwj"x"jqtum ej"~c"rqfjqtum ej"rqvqe|ej."  
x"lk|gtum ej"jqt<sup>a</sup>ej"d{n"q|lk~v pq"78" "c"6" \*40"rqnqxp"~XK0/Z0+0

Bílá Desná"]4="Blatný potok"]6e.<\*N+=" gtp"~Fgup""]9c=" gtp"~Pluc[";g="r fvyqm" Ftc {jq"rqvqm"]35e="Jed-  
lová"]39e="Jelení potok"]3: c.d="r fvyqm" Lg keg"]3; h="r fvyqm" Lg-mtcddeg"]42h="Jizera"]43c="Krásný potok"]43f="]  
Lomnice"]49d="Uo tflqum "rqvqm"]66c.<\*N+="Ztracený potok"]75c\_0

*Rhyacophila tristis*"Rkevgv."3: 56

Nkvt<sup>a</sup>tp<sup>f</sup>Àfclg<sup>c</sup>Pqx<sup>a</sup>m\*3;84+0

X{um{vwlg"ug"xg"uv gfp"~c"lkfpl"~Gxtqr ."|cucjwlg"cf"fq|"a rcfp"~Cpcvqng0"X" T"x"rqvqe|ej"jqt"  
c"rcjqtmcvkp"jqlp ."x"~E JMQ"lk|gtum<sup>2</sup> jqt{"r qw|g"nqm"~np "u"oczko go"~x um{vw"~koci"~x"XK0"  
~389" "c"92" +0

**Bílý potok**]5d\_=" o qm cf{"wDm²jq"rqvqmc"}5g\_="r fvmq"fgup²"]34c\_="r fvmq"ftc fjq"rqvqmc"}35d\_="Ješkrabec  
]42c.d.k\_="r fvmq"Lg-mtcdæg"]42f\_="t{dpfm."Ocn"Uvtcpç"}5;e\_="Rovný potok"]5;f\_="U o f""]64e\_="Velká Rybí  
voda"]72e\_="Zlatník"]74c.d.e\_0

## Glossosomatidae

*Glossosoma boltoni*"Ewtvku."3:56

Gxtqr um "ftwj."x" T"rqw|g"nqm"np "x"vqe|ej"u"mc o gpkv o "fpg o."xg"ungfqxcp² o "À|g o"¶  
pc"fqnp¶ o "vqmw"U o f²0

U o f""]64k\_<390XKK04229."3" .8" \*N+="]64l\_<30/470XKK04229."3" ="rybník Dubák"]64m\_<380XKK04229."3" ."  
33" \*N+0

*Glossosoma conformis*"Pgdkuu."3:85

Ftwj"tq|-¶ gp "x"Gxtqr "u"x lk o mqw"R{tgpplum²jq"rqvqquvtqxc"Kuncp fw."x" T"x"rqvqe|ej"  
c"¶ m"ej"uv gfp|ej"jqtum ej"rqvqj"jqlp 0"X"Lk|gtum ej"jqt"ej"d{nq|lk-v pq"rqw|g"33" "  
c"34" \*XK0/XKK0+0

¶qne x"t{dpfm"}38d\_<\*N+="Jedlová"]39f\_<\*N+="Ješkrabec"]42d.k\_="r fvmq"Lg-mtcdæg"]42h\_="Mariánskohorské bou-  
dy"]52\_<\*N+="Rovný potok"]5;d\_<\*N+="T{d¶"nq m{"}62\_<\*N+="t{dp¶ gm."Jqtp¶Nw cp{"}66e\_="r fvmq"¶vqrkejw  
]68n.q\_="Zlatník"]74c.d\_0

*Agapetus fuscipes*"Ewtvku."3:56

X{um{vwlq"ug"x"Gxtqr "u"x lk o mqw"Dcnm"pw"c"ugxgtp¶"Umcpfip"axg0"¶Tq|-¶ gp"rq"egn² o "À|g o"¶  
T."x{um{vwlq"ug"x-cm"nqm"np ."rtghgtwlg"rtc o gp{"c"rtc o gpp²"rqvqm{"u"mc o gpkv o "uwdutv"vg o"¶  
Xg"ungfqxcp² o "À|g o"¶|lk-v pq"38" "c"38" \*XK0/KZ+0

gtp "rqvqm"]32d\_="Ješkrabec"]42d.k\_="r fvmq"Lg-mtcdæg"]42e.f.g\_="Tcf kem "rqvqm"]5;="Uc um "rqvqm"]63c\_="  
r fvmq"Ocn²jq"¶vqrkejw"]68k\_="Zlatník"]74c.d\_0

*Synagapetus iridipennis*"OeNcejncp."3:9;

Xg"uv gfp¶Gxtqr "c"pc"Dcnm"p ."x" T"nqm"np ."pc"xjqfp ej"rtc o gpk-v|ej"c"rqv e|ej"jqlp 0"  
Xg"ungfqxcp² o "À|g o"¶|lk-v p"rqw|g"x"pplx ejqfp l-¶ "auk"E JMQ"Lk|gtum²"jqt{"\*egnmgo"  
"c"86" .XK0/XKK0+0

r fvmq"ftc fjq"rqvqmc"}35d\_="rtc o gpk-v "w"\ncv²"Qng-plæg"]35f\_="Ješkrabec"]42c.d\_="r fvmq"Lg-mtcdæg"]42e.f.g.h\_="  
Zlatník"]74c.d\_0

## Ptilocolepidae

*Ptilocolepus granulatus*"\*Rkevgv."3:56+

Ftwj"-ktqeg"tq|-¶ gp "xg"uv gfp¶Gxtqr ."|cucjwlg"cf"fq"R{tgppl¶"c"pc"Crgpkpum "rqvqquvtqx0"  
X" T"nqm"np ."r gfgx-¶ o"x"rtc o gpp ej"Auge|ej"rqvqm "u"rqvqum{"Fontinalis"ur r0"¶c"l"vtqxgm0"  
X"E JMQ"Lk|gtum²"jqt{"x"rt d jw"XK0"¶c"XKK0|lk-v pq"4:" "c"3:" 0

gtp "rqvqm"]32d\_=" gtp"¶ f mc"}32e\_="r fvmq"ftc fjq"rqvqmc"}35d\_="Ješkrabec"]42k\_="r fvmq"Lg-mtcdæg"]42h\_="  
Llpf kejqxum "o qm cf"}4;d\_="Šindelový potok"]67c\_="Velká Rybí voda"]72e\_="rtc o gpk-v "rqf"Vl-kppq"]72g.h\_="  
Zlatník"]74c.d\_0

## Hydroptilidae

*Hydroptila forcipata*"\*Gcvqp."3:95+

Gxtqr um "ftwj"|cucjw|¶e¶f¶q"Ocn²"Cukg"¶c"pc"Mcxmc|.x" T"d flp "x"rqvqe|ej"c"¶ m"ej"uv gf/  
p|ej"rqvqj0"¶"Lk|gtum ej"jqt"rqw|g"lgfip "p"ng|0

¶qne x"t{dpfm"}38d\_<460XKK0422:"3" \*N+0

*Hydroptila sparsa*"Ewtvku."3:56

\^a rcfqrcngctmvkem "ftwj."x" T" jqlp "x"vqe{ej"uv gfp{ej" c"pkfl-|ej" rqnqj."xg"ungfqxcp2" o"  
À|g o{||lk-v p"rqw|g"qlgfkp ng0  
U o f^a"}64l\_<30/470XKK04229."3" 0

*Orthotrichia costalis*"\*Ewtvku."3:56+

\^a rcfqrcngctmvkem "ftwj."x" T" tq|-| gp "x"|ctquvn ej"uvqlcv ej"xqf^ej"."pc"Ht fncpvumw"  
|lk-v p"x"t{dp{eg" w" gtpqwu0  
o qm cf." gtpqwu{/X^Rqmk"}64 o\_<470XKK0/390XKK04229."4" 0

*Agraylea multipunctata*"Ewtvku."3:56

Jqncctmvkem "ftwj."x" T"xg"uvqlcv ej"xqf^ej"u"o cmtqxxgigvce{rqo tp "tq|-| gp "ftwj0  
^vqne x"t{dp{m"}38d\_<460XKK0422:"4" \*N+=t{dp{m."Ocn^"Uvtcpc"}5;e\_<460XKK04227."8" .3" =420XKK04228."3" 0

*Agraylea sexmaculata*"Ewtvku."3:56

\^a rcfqrcngctmvkem "ftwj."x{x{um{vwlg"ug"pc"egn2" o"À|g o{ T."cx-cm"nqm^np "c"x v-kpqw"pgrq/  
gvp "x"|ctquvn ej"uvqlcv ej"xqf^ej"p{flkp" c"rcjqtmcvcp0  
rybník Dubák"}64m\_<380XKK04229."3" \*N+0

## Philopotamidae

*Wormaldia occipitalis*"\*Rkevgv."3:56+

X^Gxtqr \*dg|p"glugxtp l-|ej" ^uv{^"-ktqeg"tq|-| gp "ftwj."xgn ok"jqlp "x"rtcogpgej" c"ftqd/  
p ej"rqv e|ej"pc^egn2" o"À|g o{ T="kocic"\*89" "c"43" +rq^egnq"ug|>pw^\*XK0/Z0+0  
Ftc {^"rqvm"}35e\_<^"rtc o gpk-v "w" \ncv2^"Qng-p{eg"}35f\_<^" o qm cf" w" \ncv2^"Qng-p{eg"}35g\_<^" r {vqm} J ctequm2 j q"  
potoka"}37e\_<^" r {vqm} Lg keg"}3;g.h\_<^" Ješkrabec"}42c.d.k\_<^" r {vqm} Lg-mtcddeg"}42f.h\_<^" rtc o gpk-v "w" Lg-mtcddeg"}42j\_<^"  
r {vqm} ^vqrkej w"}68m.p\_<^" Velká Rybí voda"}72e\_<^" Zlatník"}74c.d\_0

*Wormaldia pulla*"\*OeNcejncp."3:9:+" U<^XW

Ftwj"tq|-| gp "xg"uv gfp{Gxtqr ."pc"Crqpkpum2" o" c"Dcnm^pum2" o" rqnqquvtqx 0^X" T"x|^ae/  
p ."tgegpvp{p^ng|{ "luqw"pcr 0|" Qtnkem ej" jqt.Mt^nkem2 j q"Up flp{mw." gum2 j q^TMx ectumc"  
c"Lk|gtum ej" jqt^xflf{ "ug"l gfp" rqw|g"q"l gfpqvxkx2"gzgo rn^ g+."rtqvq{d{n"ftwj" |c c|gp" o g|k"  
|tcpkvgnp2"ftwj{ \*Ejxqlmc"gv"cn0"4227+0"Vtcfk p "ug"wx^a f{lcmq"mtgpqdkqp."|{umcp" o cvgtk^a n"  
x-cm"d{n"ud{t^a p"x"qmqn"}rqf jqtum ej"d{uv kp0

Velký Štolpich"}68f\_<430XKK04228."3" =Malý Štolpich"}68g\_<430XKK04228."3" =Ztracený potok"}75e\_<420XKK0/350  
XKK04228."3" =}75g\_<3:0XKK04228."3" 0

*Rjknqrqvc owu"nwfkLecvwu*"OeNcejncp."3:9:

Ftwj"ug"x{x{um{vwlg"x"egpvt^np{ ^uvk^Gxtqr {c"x"Kv^ankk0^X" T"x"jqtum ej"rqvqe{ej"xgn ok"jqlp ." x"  
Lk|gtum ej" jqt^a ej" |lk-v pq"396" "c":7" \*X0/KZ0+0

Bílý potok"}5d\_<^" o qm cf{"w"D{h2 j q"rqvqmc"}5g\_<^" Blatný potok"}6e\_<^" N+= gtp^a Pluc"};g.h\_<^" gtp "rqvm"}32d\_<^"  
gtp^a {mc"}32e\_<^" r {vqm} Fgup2"}34d\_<^" r {vqm} Ftc {j q"rqvqmc"}35d\_<^" Hájení potok"}36e\_<^" vqne x"t{dp{m"}38d\_<^"  
Jedlová"}39e\_<^" }39f\_<^" N+= Ocn^" Lg keg"}3; i\_<^" Ješkrabec"}42c.d.i.k\_<^" r {vqm} Lg-mtcddeg"}42e.f.h\_<^" r {vqm} {Mc o gpk eg  
}45g.h.i.j\_<^" r {vqm} x ejqfp "qf^X vtqxc/\ ^vk-^"}55f\_<^" U o f^a"}64e\_<^" Šindelový potok"}67e\_<^" Velká Rybí voda  
}72c.e\_<^" }72f\_<^" N+= Velký Štolpich"}68d.e\_<^" N+= Malý Štolpich"}68f\_<^" r {vqm} Ocn^" j q^vqqrkej w"}68k\_<^" r {vqm}  
Štolpichu"}68m.o.p\_<^" Zlatník"}74c.d\_0



*Philopotamus montanus*\*Fqpqxcp."3:35+

Gxtqrqm "ftwj."x" T"jqlp "x"jqtum ej"cqrfjqtum ej"rqvqe[ej."xg"ungfqcpcp2 o "À|g o"|"x-cm" d{n" |lk-v p" rqw|g"qlgfkp ng"; "c"4" "+"pc"p mqnkmc"nqmcnkva"ej"x"qmtclqx ej"rctvk[ej" Lk|gtum ej"jqt"\*X0/XKK0+

r fvm" Nq o pkeg" ]49e\_=" r fvm" Rgmnum2 j q" r qvqc" ]56f\_=" U o f" ]64j\_=" Zlatník" ]74c.d\_=" Ztracený potok ]75g.i\_0

*Philopotamus variegatus*\*Ueqrqmk."3985+

Ftwj"tq|-"gp "x"Gxtqr "\*dg|"pglugxgtp l-"[ej" "a uv|+"c"Ocn2"Cukk0"X" T"jqlp "x"rqvqe[ej"jqt" c"rcjqtmcvkp."x"E JMQ"Lk|gtum2"jqt{"wnqxpqp"336" "c"56" "\*XK0/XKK0+

Bílý potok" ]5d\_=" gtp "rqvqm" ]32d\_=" Jedlova" ]39e\_=" ]39f\_=" \*N+=" Lg keg" ]3; c.d\_=" r fvm" Lg keg" ]3; h\_=" Ocn" Lg keg ]3; j\_=" r fvm" Lg-mtcddeg" ]42f\_=" Jizera" ]43i\_=" r fvm" Mc o gpleg" ]45g\_=" Kamenice" ]45l\_=" Prorubský potok" ]59\_=" U o f" ]64e\_=" U o tflqxum "rqvqm" ]66c\_=" \*N+=" Šindelový potok" ]67c\_=" Velký Štolpich" ]68d.f\_=" X gm" r qvqm" ]6; \_=" Velká Rybí voda" ]72e\_=" ]72f\_=" \*N+=" Zlatník" ]74e\_=" Ztracený potok" ]75e.i\_0

## Ecnomidae

*Ecnomus tenellus*\*Tc o dwt."3:64+

Rcngctmvek "ftwj."|cucjwl[e" "a uv p "k"fq"qtkgpv"ap"qdnucvk0"X" T"tq|-"gp"x"pkfl-"[ej"rqvqj"aj"ej" r gfgx-"|o"xg"uvqlcv ej"xqf"aj"ej0

"mque x"t{dpfm" ]38d\_=" <350XKK04226."3" .3" \*N+="460XK0422:."5" .4" \*N+0

## Polycentropodidae

*Holocentropus picicornis*\*Uvgr j gpu."3:58+

Jqncctmvek "ftwj0"X" T"x"|ctquvn ej"uvqlcv ej"xqf"aj"ej"x"pkfl-"[ej."rqr 0"uv gfp[ej"pcf oq um ej" x -m"aj"ej0

rybník Dubák" ]64m\_=" <380XKK04229."3" .3" \*N+=" o qm cf." gtpqwu{/X"Rqk"} ]64o\_=" <360X0/390XKK04229."4" .4" 0

*E{tpwu"tckfwu"OeNcejncp."3:86*

Ftwj"ug"x{um{vwlg"x"Gxtqr "u"x lk o mqw"lkfip" "a uvk"c" |cucjwlg"cf"pc"Ukd 0"X" T"tq|-"gp" xg"uvqlcv ej"xqf"aj"ej"cx"rq o cnw"vqm qwe[ej"Àuge[ej" gm0

xqfp"p" ftf"Uqw-" ]9e\_=" <90ZK03; ;6."3"nctxc="xqfp"p" ftf"Dgf kejqx"; f\_=" <90ZK03; ;6."3"nctxc="40XK03; ;7."3"nctxc=" t{dpfm."Ocn"Uvtcpc" ]5; e\_=" <460XK04227."3" 0

*Cyrnus trimaculatus*\*Ewtku."3:56+

Ftwj"tq|-"gp "x"Gxtqr ."Ocn2"Cukk"c"ugxgtp|o"~t"apw0"X" T"jqlp "xg"uvqlcv ej"kvqm qwe[ej" xqf"aj"ej0" \t |p ej"dkqvq "xg"ungfqcpcp2 o "À|g o"|"lk-v ppq5:" "c": " \*XK0/XKK0+

Blatný potok" ]6e\_=" \*N+=" Dwmqxe."rtc o gpk-v " ]7d\_=" "mque x"t{dpfm" ]38d\_=" \*N+=" Holubí potok" ]38e\_=" rybník, Malá Uvtcpc" ]5; e\_=" U o f" ]64l\_=" o qm cf." gtpqwu{/X"Rqk"} ]64o\_=" U o tflqxum "rqvqm" ]66c\_=" \*N+=" v "X" r gpmc" ]6; d\_=" Vesecký rybník" ]73d\_0

*Rqf{egpvtqrwu"lxcq o cewncvwu"Rkegv."3:56+*

Rcngctmvek "ftwj."xgn o k"jqlp "x"vqm qwe[ej"kvqlcv ej"xqf"aj"ej0"X"Lk|gtum ej"jqt"aj"ej"cp"pc"ht f/ncpvumw"d{nq"ugdt"apq";3" "c"4;" \*XK0/KZ0+"r gfgx-"|o"x"qm qm"x v-"[ej"rqvqm "c" | gm0

**Blatný potok**]6e\_<N+=**Bulovský potok**]8\_=" gtp^a"Pluc"];g\_="mqe x^t{dpfm}]38d\_<N+=**Holubí potok**]38e.f\_=" Lg leg]3;d\_="r fvm]Lg-mtcdeg]42h\_="Jizera]43e.i\_="Krásný potok]43f\_="Kamenice]45l\_="Lomnice]49f\_="Pekelský potok"]56d\_="Rovný potok"]5;d\_<N+=**T{d{hqw m{}**]62\_<N+=**U o f^a**]64f.g.i.l\_="]64k\_<N+=**rybník Dubák**]64m\_<N+=**Velký Štolpich**]68e\_<N+=**Štolpich**]68r\_="Vápenný vrch"]6:c\_<N+0

*Polycentropus irroratus* \*Ewtvku."3:57+"" U<XW  
Gxtqrum "ftwj."x" T"ug"x{um{vlg"x|}^ep "c"nqm^np "x"rqvqe{ej}c" gm^ej."rqr 0^uvqlcv ej"xqf^ej" u"mc o gpkv o "uwdvut^vg o."r tqvq"d{n" |c c |gp" o g |k" |tcpkvgnp^2 ftwj { \*Ej xqlmc"gv"cn0^4227+0  
mqe x^t{dpfm}]38d\_<460XK0422:."3" \*N+=**Holubí potok**]38e\_<390X0/4:0XK04224."4" =**Vápenný vrch**]6:c\_<30XK0422:."3" \*N+0

*Neureclipsis bimaculata* \*Nkppcgwu."397: +  
Jqctm^kcm "ftwj."x" T"-ktqeg"tq|-f gp "rqf^2n" gm^c"x v-^ej"rqvqm "r gfgx-f|o"x"p^flkp^ej." |"Ht fncpvmc"rqw|g]lgfkp "p^ang|0  
**Pertoltický potok**]57c\_<30/470XK04229."3" 0

*Plectrocnemia brevis* "OeNcejncp."3:93  
X{um{vlg"ug"xg"x v-^ "a uvk^Gxtqr {^ej {d{pc^R{tgpplum^2 o "c"Cr gpkpum^2 o "rqnqqvvtqx ."pc^kuncp/ fw."x"ktumw" c"Umc^fkp^axk+^c"vcm^2"x"Vwtgemw^0 X" gej^ej"lg"rqo tp "x|^ep o "qd{xcvng o" rtc o gpk- "c^rtc o gpp ej"rqv m ."jqlp l-^f]lg"pc"x ejqf^p^Oqtcx 0  
**Bukovec**]7c\_<360XK04223."4" \*N+=3:0XK04229."3" \*N+=**rtc o gpk-v "w" \ncv^2Qng-plcg**]35f\_<440XK04227."3" =**r fvm]Lg-mtcdeg**]42e\_<70/4:0XK04227."3" =**U o tflqxm "rqvqm**]66c\_<3:0XK04229."3" \*N+=**Zlatník**]74c.d\_<440XK04227."4" 0

*Plectrocnemia conspersa* \*Ewtvku."3:56+  
Nkvt^tp^f^fclg<^Twek^4229+0  
Ftwj"u"gxtqrum o"tq|-f gp^o."pc"pc-g o "À|g o^f"ug"x{um{vlg"jqlp "r gfgx-f|o"x"rtc o gppgej" c"rqvqe{ej}0^D flp "ftwj"K^xg^xtejqnqx ej"rctvk^ej"Lk|gtum ej"jqt."egnmg o"d{nq|^um^pq^448" " c^73" \*XK0/KZ0+^c^49^nc^t^g^l

**Bílý potok**]5c\_="Blatný potok"]6c.f\_="]6e\_<N+=**Bukovec**]7c\_<N+=**Dwmqxe."rtc o gpk-v**]7d\_=" gtp^a"Pluc"];c.g\_=" r fvm" gtp^2"Plu{"];d\_="r fvm"xqf^p^p^f fflg^Dgf kej^qx"];e\_="mqe x^t{dpfm}]38d\_<N+=**Holubí potok**]38e\_=" Jedlová"]39e\_."]39f\_<N+=**r fvm]Lg leg**]3;g\_="Jizera"]43c.d.e\_="Jizerka"]44d.f\_<N+=**Mng qx^2nqwm**]46\_<N+=**Lomnice**]49c\_="Mariánskohorské boudy"]52\_<N+=**P^c" kj c fng**]53\_<N+=**P^qxqxm^a"Pluc**]54\_="Umc^p^r^rqvqm ]55c\_="Oleška"]55d\_="Poledník"]58\_<N+=**Rovný potok**]5;c.f\_="]5;d\_<N+=**T{d{hqw m{}**]62\_<N+=**potok u Filipovky**]63d\_="U o f^a"]64e\_="U o tflqxm "rqvqm"]66c\_<N+=**Velký Štolpich**]68d.e\_<N+=**Malý Štolpich**]68g\_="Vkej^a" f mc ]69\_<N+=**Velká Rybí voda**]72d.f\_<N+."]72e\_="Zlatník"]74e\_="Ztracený potok"]75i\_0

*Plectrocnemia geniculata* "OeNcejncp."3:93"" U<XW  
Ftwj"tq|-f gp "x|^a rcfp^c"uv gfp^Gxtqr "c"vcm^2"x" gemw^0—fclg|^" gej"luqw|^"rqungf^p^f^qd{" x|^ep^2^lg^f^pqvnx^2"p^ang|{"|^Mtw-p ej"jqt." gum^2jq^tm^x ectumc."Qtncem ej"jqt."Mt^ankem^2jq^ Up flp^mw."figng|p ej"jqt."^mw o cx{+^c" ftwj"lg"mncuk^Lmqx^a"p"lcmq|^tcpkvgnp \*Ej xqlmc"gv"cn0^4227+0^X^E JMQ^Lk|gtum^2"jqt{"d{n^wnqxp^rq gvp l-^f" o cvgtk^a n"rq o qe^ux vnc0  
**Mariánskohorské boudy**]52\_<:0/390XK04225."5" \*N+=**Poledník**]58\_<3:0XK04227."3" \*N+=**T{d{hqw m{}**]62\_<80XK04226."3" \*N+=**Velký Štolpich**]68d\_<40XK0422:."6" .3" \*N+=**Velká Rybí voda**]72d\_<80XK0422:."4" " \*N+=]72f\_<50XK04226."3" \*N+=530XK04228."3" \*N+=370XK04229."35" .5" \*N+0

## Psychomyiidae

*Lype phaeopa* \*Uvgr jgpu."3:58+  
Ftwj"-ktqeg"tq|-f gp "x"Gxtqr ."|p^a o "k|^Vwtgemc" c"ugxgtp^jq^~t^a^pw^0 X" T"jqlp "rq^egnqw" ug|^>pw"x^qm^q^t |p ej^v{r "xqf^0" g^ungf^qxc^2jq^À|g o^f"rqw|g]lgfkp "p^ang|0  
**Holubí potok**]38f\_<80XK04229."3" 0

*Lype reducta*\* Jci gp."3:8:+

\ ^rcfqrncgctmvek "ftwj0"X" T"jqlp "w"rqvqm "k"lqp ej"xf."xg"ungfqxcp<sup>2</sup>o"À|go"ud"t<sup>a</sup>p"  
lgfpvnxk ".\*" .4" .X0/XKK0+0

**Holubí potok**]38e\_="Lg keg"]3;d\_="Ješkrabec"]42k\_="Uc um "rqvqm"]63c\_="potok u Filipovky"]63d\_="Zlatník  
]74e\_0

*Psychomyia pusilla*\*Hcdtkekwu."39:3+

\ ^rcfqrncgctmvek "ftwj0"X" T"xgnok"jqlp "ftwj" gm"c"rqvqm "uv gfp"fej" c"pkfl-<sup>a</sup>fej"rqnj."pc"  
Ht fncpvumw" c"x"pkfl-<sup>a</sup>fej" rctvk"fej" Lk|gtum ej"jqt"|c|pcogp<sup>a</sup>pq"9" "c"7" "X0/XKKK0+0

<sup>m</sup>qne x"t{dp"m"]38d\_<"N+=<sup>m</sup>Lomnice"]49f\_="Uo f""]64f.l\_."]64k\_<"N+=<sup>v</sup> "Nq o"]64h\_="rybník Dubák"]64m\_<"N+=<sup>m</sup>  
Štolpich"]68l\_="Vápenný vrch"]6:c\_<"N+0

*Tinodes pallidulus*"OeNcejncp."3:9:

Ftwj"tq|-<sup>a</sup>gp "x"Gxtqr "okoq"ugxgtp" <sup>a</sup>uv" c"R{tgpplum "c"Crpgpkpum "rqnquvtqx+"c"vcm<sup>2</sup>"  
x"| ^rcfp"o"Vwtgemw0"X" T"tq|-<sup>a</sup>gp"x"vgmqwe"fej"xf<sup>a</sup>ej"pkfl-<sup>a</sup>fej" c"uv gfp"fej"rqnj."x{um{vwlg"  
ug"x-cm"rqw|g"nqm<sup>a</sup>np "c"pgrq gp 0

**Pekelský potok**]56d\_<50XKK04229."3" =<sup>m</sup>Uo f""]64f\_< ;0XKK04226."5" .3" =]64g\_<50XKK04229."3" =]64i\_<  
50XKK04226."3" 0

*Tinodes rostocki*"OeNcejncp."3:9:

Nkygt<sup>a</sup>tp"Àfclg<U mqt c\*3;84+0

Ftwj"tq|-<sup>a</sup>gp "pc"x v-kp "À|go"Gxtqr{"\*mtqo "ugxgtp" <sup>a</sup>uvk."kuncpfw."R{tgpplum<sup>2</sup>jq" c"Crq/  
pkpum<sup>2</sup>jq"rqnquvtqxc+0"Xgnok"jqlp "x"tkvt<sup>a</sup>nw"uv gfp"fej"rqnj."xg"ungfqxcp<sup>2</sup>o"À|go" |lk-v pq"  
3;8" "c"37:" "X0/XKK0+0

**Bílý potok**]5d\_="oqm cf{"wD"n<sup>2</sup>jq"rqvqm"]5g\_="r fvqm"Ftc {jq"rqvqm"]35e\_="Ješkrabec"]42d.k\_="r fvqm"lg-mtcdg  
]42e.f.g.h\_="Jizera"]43c\_="Kamenice"]45l\_="r fvqm"Nq o plæg"]49e\_="Nw cpum"Pluc"]4:c\_="r fvqm"Rngmum<sup>2</sup>jq"rqvqm"]56f\_="r  
**Rovný potok**]5;c.f\_="Uo f""]64e\_="Velký Štolpich"]68f\_="Štolpich"]68l\_="r fvqm"vqariejw"]68m.n\_="Zlatník"]74c.d.e\_0

*Tinodes waeneri*"Nkppcgwu."397:+

\ ^rcfqrncgctmvek "ftwj0"X" T"tq|-<sup>a</sup>gp "x"vgmqwe"fej" k"uvqlcv ej"xf<sup>a</sup>ej0

**Blatný potok**]6e\_< ;0XKK04226."3;" .4" "N+=<sup>m</sup>Rovný potok"]5;c\_<4;0XKK03; ;9."3" =<sup>m</sup>t{dp"m."Ocn<sup>a</sup>Uvtepc  
]5;e\_<460XK04227."3" =420XKK04228."3" 0

## Hydropsychidae

*Hydropsyche angustipennis*\*Ewtku."3:56+

Ftwj"-ktqeg"tq|-<sup>a</sup>gp "x"Gxtqr ."wx<sup>a</sup>f p "k"|"twum<sup>2</sup>jq" F<sup>a</sup>np<sup>2</sup>jq"x ejqfw0"X"pc-kej"rqf o"p<sup>m</sup>a ej"  
v{rkem "qd{xcvgn"qfvqm "t{dp"m ."t{dpk p"fej"uvtwj" c"fcn-<sup>a</sup>fej"vqm "dqjcv ej"pc"uguwq."jqlp "c"rq gv/  
p "ug"x{um{vwlf"e\_="x"pkfl-<sup>a</sup>fej" rctvk"fej"ungfqxcp<sup>2</sup>jq"À|go"wnqxpq"467" "c"38" "X0/KZ0+0

<sup>m</sup>qne x"t{dp"m"]38d\_<"N+=<sup>m</sup>Holubí potok"]38e\_="Pertoltický potok"]57c\_="rybník Dubák"]64h\_="oqm cf." gtpqwu{/  
V Poli"]64o\_="Vesecký potok"]73c\_="Vesecký rybník"]73d\_0

*Hydropsyche bulbifera*"OeNcejncp."3:9:

Nkygt<sup>a</sup>tp"Àfclg<Ejxqlm< ("Pqx<sup>a</sup>m"4223+0

Ftwj"tq|-<sup>a</sup>gp "xg"uv gfp" c"klfp" Gxtqr ."x"Ocn<sup>2</sup>Cukk."kt<sup>a</sup>mw" c"ugxgtp"o"t<sup>a</sup>pw0"X" gej<sup>a</sup>ej"  
nqm<sup>a</sup>np ."pc"Oqtcx "jqlp "x"rqvqe"fej" c" gm<sup>a</sup>ej"x"pkfl-<sup>a</sup>fej" c"uv gfp"fej"pcf oq um ej"x -<sup>m</sup>a ej0

**Uo f""]64k\_<390XKK04229."5" .8" "N+=<sup>m</sup>rybník Dubák"]64m\_<380XKK04229."4" .7" "N+=<sup>m</sup>Vápenný vrch  
]6:c\_< ;0XKK03; ; ;"3" "N+0**

*Hydropsyche bulgaromanorum*"Ocnkem{.3;99

Ftwj"tq|-f gp "x"Gxtqr "qf"Dtkvum ej"quvtqx "rq"Twumq"cf"ng"cf"pc"Fa"np "x ejqf0"X" T" lg"x um{v"qog|gp"rqw|g"pc"xgm2" gm{"pc"|amncf "lgfkp2jq"gzgo rna g"p"ajqfp "wnqxp2jq" pc"ux vnaq.pgn|g"*H. bulgaromanorum*"rq fvcv"m"hcwp "Lk|gtum ej"jqt0  
Uo tflqxm "rqvqm"]66c\_<430XKKK04227."3" \*N+0

*Hydropsyche fulvipes*"\*Ewtvku."3:56+""

U<"GP

Ftwj"lg"|p"o "|g|"a rcfpfl."uv gfpfl"clkjxq ejqfpl"Gxtqr{0"X" T"ug"x{um{vwl'g'x|"ep "x"ocn ej" rqvqef"ej"\*tgegppl"p"ng{|"pcr 0"| gum2jq"m"x ectumc."|rqfj fl"Ucnxmqxum2jq"hguc."Qtnkem ej" c"figng|p ej"jqt."Dfn ej"Metrcv+"c"lg"rqxcflqx"p"|c"qj tqfpgp "ftwj"\*Ejxqlmc"gv"cn0"4227+0" X"EJMQ"Lk|gtum2"jqt{"|lk-v p"rqw|g"x"pglx ejqfp l-fl "auvkl0  
r fvgm"ftc fjqrqvqmc"]35d\_<440XK04227."4" =r fvgm"lg-mtcedeg"]42f\_<40XK0422:"."4" =]42h\_<3;0XKK04228."6" 0

*Hydropsyche incognita*"Rkvuej."3;;5

Nkgt"tpfl"Àfclg<"Ejxqlmc" ("Pqx"m"4223+0  
Mktqeg"tq|-f gp "ftwj"x"Gxtqr ."fa"ng"x"Vwtgemw"cf"pc"Dnfl|m2"o"x ejqf 0"Jqlp "ftwj"rqvqm " c" gm."p"ng|"|"Lk|gtum ej"jqt"\*Dwmqxe+"lg"urfl-g"p"ajqfp 0  
Bukovec"]7c\_<50XKKK03;;;"3" \*N+="Uo f""]64k\_<390XKK04229."4" \*N+0

*Hydropsyche instabilis*"\*Ewtvku."3:56+

Nkgt"tpfl"Àfclg<"Ejxqlmc" ("Pqx"m"4223+0  
Tq|-f gp"x"Gxtqr \*dg|"kuncp"fw"cf"Umcpl"kp"axkg+."Ocn2"Cukk."ugxgtpfl"o"~t"pwl"X" T"d flp "ftwj" rqvqm "c" fl gm"uv gfpfl"ej"rqnj."x"Lk|gtum ej"jqt"ej"Anqxm{"|g"ux vnc"|"|xtejqnqx ej"rctvkfl" \*egmng"o"82" .XK0/XKKK0+0  
Mqne xt{dpfm]38d\_<\*N+="Holubí potok"]38e\_="Jizera"]43e\_<\*N+="Mng qx2"hgwm{"]46\_<\*N+="Mariánskohorské boudy ]52\_<\*N+="Pc" kjc fng"]53\_<\*N+="Rovný potok"]5; d\_<\*N+="T{d"nqw m{"]62\_<\*N+="Uo f""]64k\_<\*N+="Uo tflqxm " potok"]66c\_<\*N+="Velký Štolpich"]68e\_<\*N+="Vlejša" fl mc"]69\_<\*N+="Vápenný vrch"]6;c\_<\*N+="Velká Rybí voda ]72f\_<\*N+0

*Hydropsyche pellucidula*"\*Ewtvku."3:56+

Nkgt"tpfl"Àfclg<"Ejxqlmc" ("Pqx"m"4223+0  
Ftwj"wx"af p "pc"|amncf "tgxkf"qxcp2jq"o cvgtk"anw|"Gxtqr{"qf"Xgm2"Dtkv"pkg"rq"Dwnjctumq." cx-cm"ctg"an"ftwjw"pgpfl"lg-v "fqd g"|p"o 0"X" T"-ktqeg"tq|-f gp "x"vgmqwe"ej"xqf"ej"uv gf/ p"ej"cf"pkfl-fl"ej"rqnj0  
Uo f""]64k\_<390XKK04229."5" \*N+="Vápenný vrch"]6;c\_<0XKKK03;;;"3" \*N+0

*Hydropsyche saxonica*"OeNcejncp."3::6

Ftwj"|p"o "|x v-kp{"gxtqrum ej"|gofl."-ktqeg"tq|-f gp "k"x"rqvqef"ej"x" T0  
Holubí potok"]38e\_<520XK0/320XKK04224."39" =rybník Dubák"]64h\_<3;0/530X04227."3" 0

*Hydropsyche siltalai*"F¾jngt."3;85

Nkgt"tpfl"Àfclg<"Ejxqlmc" ("Pqx"m"4223+0  
X"Gxtqr \*ux lk"omqw"Denm"pw+"c"x"lklfl"fl"Cpcvqnkkl0"X" T"d flp "ftwj"vgmqwe"ej"xqf"qf"x v-fl"ej"rqvq/ m "rq" gm{0"Ocvgtk"an"wnqxp "pc"ux vnaq\*55" .XKK0/XKKK0+}rcej"aj"fl"rtexf rqqdp "|g"Uo f20

™qne x't{dpf'm}j38d\_<™N+=Uo f'a"]64k\_<™N+=rybník Dubák"]64m\_<™N+=Velký Štolpich"]68e\_<™N+=Vápenný vrch ]6:c\_<™N+=Velká Rybí voda"]72f\_<™N+0

*Hydropsyche tenuis*"Pcx<sup>a</sup>u."3;54""

U<'GP

X um{v'ftwjwlg'qog|gp'pc'uv gfp'c'lkjq|<sup>a</sup>r cfp'Gxtqrw0'\ T'lg'rqw|g'p mqnkm'o<sup>a</sup>nq'qlgfk/p n ej'p<sup>a</sup>ng|<sup>™</sup>Mwocxc." gum<sup>™</sup>Mx ectumq.'Mtmqpq-g.'Qtnkem<sup>2</sup>'jqt{+.rtqvq'lg'ftwj'mncukŁmqx<sup>a</sup>p' lcmq'qj tqflgp<sup>™</sup>Ejxqlmc'gv'cn0'4227+0'Dkqnqikg'ftwjw'pgp'fqd g|p<sup>a</sup>o<sup>a</sup>.p<sup>a</sup>ng|{ 'rrej<sup>a</sup>|g|' |'rqf/ jqtum ej'rqvqm 'c' | gm0'lgfkp 'gzgorn<sup>a</sup> '|Lk|gtum ej'jqt'd{n'wnqxp'pc'ux vnq'pc'tc-gnkpk-vk' x'RT'Pc' kjcfnq.'rqmwf'ftwj'p<sup>a</sup>ngf|m'hcwp 'Lk|gtum ej'jqt.'dwfg'x<sup>a</sup>|<sup>a</sup>p'pc'vqm{x'rqfj '0 Pc' kjcfnq']53\_<340XK04229."3" \*N+0

## Phryganeidae

*Agrypnia pagetana*"Ewtvku."3:57""

U<'XW

Jqncmtvkiem "ftwj.'x{um{vwl'ef'ug'r gfgx-|o'xg'uvqlcv<sup>a</sup>ej'xqf<sup>a</sup>ej.'r |rcfp |'ctquvn ej'rqocnw' vgmqwe'fej'xqf<sup>a</sup>ej'0'X' T'ug'ftwj'x{um{vwl'g'urqtc'fkem{c'lg'r qxcflqx<sup>a</sup>p'|c'|tcpkvgnp<sup>™</sup>Ejxqlmc' gv'cn0'4227+0

™qne x't{dpf'm}j38d\_<490KX04222."3" 0

*Agrypnia varia*"Hcdtkekwa."39;5+

Ftwj'tq|-|gp "x'Gxtqr .'Vwtgemw.'ugxgtp|o<sup>™</sup>t<sup>a</sup>pw'c'pc'|<sup>a</sup>r cfp'Udkk k0'X' T'ug'x{um{vwl'g' nqm<sup>a</sup>np "x't |p ej'v{rrej'uvqlcv ej'xqf0

Mng qx<sup>2</sup>hqw]46\_<370XKK04225."3" =Pc' kjcfnq']53\_<360XKK03;.;.3" =60XKK03;.;.4" .5" =70-320XKK04226."5" .5" =340XK04229."3" .3" =o qm cf. gtpqwu{/X'Rqnk']64o\_<470XKK0/390XKK04229."3" 0

*Oligostomis reticulata*"Nkppcgwu."3983+""

U<'XW

X um{v'xg'uv gfp'c'ugxgtp'Gxtqr 'c'gxtqrum<sup>2</sup>"<sup>a</sup>uvk'Twumc0'Ftwj'd{n'x' T'|p<sup>a</sup>o "rqw|g' |'qlgfkp n ej'p<sup>a</sup>ng| .c"rtqvq'd{n'mncukŁmqx<sup>a</sup>p' lcmq|tcpkvgnp<sup>™</sup>Ejxqlmc'gv'cn0'4227+0'Pgp' x-cm'x{nqw gpq.'fig'x um{v'd{n'rqfj'qf'p'qegp'x|jngfg'o'm' cup 'lctp|ow'x um{vw'koc'ic'0'fiklg' pc't |p ej'v{rrej'oqm cf 'x'pkf|-fej'c'uv gfp'fej'rqnqj<sup>a</sup>ej0

Uo f'a"]64j\_<340X04228."3" =rybník Dubák"]64n\_<60/530X04227."4" .3" 0

*Oligotricha striata*"Nkppcgwu."397:+

Ftwj'tq|-|gp "xg'uv gfp'c'ugxgtp'Gxtqr "qf'Dtkvum ej'quvtqx "rq'Twumq0'X' T'jqlp " x't |p ej'uvqlcv ej'xqf<sup>a</sup>ej'x gvp 'tc-gnkpp ej'v p'0'Xg'ung'f'q'xcp<sup>2</sup>o'À|g'o'f'd{nq|c|pc'ogp<sup>a</sup>pp' 32" "c'37" \*X0/XKK0+0

Bílý potok']5d\_="Blatný potok']6c\_="Jizera"]43e\_="Jizerka"]44f\_="Pc' kjcfnq']53\_="o qm cf. gtpqwu{/X'Rqnk ]64o\_0

*Trichostegia minor*"Ewtvku."3:56+

Ftwj'-ktqeg'tq|-|gp "x'ugxgtp'c'uv gfp'Gxtqr "c'vcm<sup>2</sup>'pc'Cr'gpkpum<sup>2</sup>o'rqnqqvvtqx "xg'uvq/ lcv ej'xqf<sup>a</sup>ej'k'x'mnkfp ej'Àuge'fej'vqm .x' T'd flp 0

™qne x't{dpf'm}j38d\_<350XKK04226."3" \*N+=Vápenný vrch']6:c\_<30XKK0422:."5" \*N+0

*Phryganea bipunctata*"Tgv|kwu."39:5

Gwtcuklum "ftwj'tq|-|gp "qf'ugxgtp'c'uv gfp'Gxtqr{'r gu'Twumq'rq'Mco cvmw'x't |p ej' v{rrej'uvqlcv ej'k'rqocnw'v'gmqwe'fej'xqf0'X' T'd flp "ftwj0

™qne x't{dpf'm}j38d\_<4:0XK0422:."3" \*N+=Pc' kjcfnq']53\_<340XK04229."3" 0



*Phryganea grandis*"Nkppcgwu."397:

Ftwj|p<sup>a</sup>o |"Gxtqr{\*u"x lk o mqwkdgtum<sup>2</sup>j q"rqnqqvvtqxc+"c"Ukdk g."-ktqeg"tq|-| gp "k"x"pc-kej" xqf<sup>a</sup>ej|0

Uo f<sup>a</sup>"]64k\_<390XKK04229."4" \*N+="**Velký Štolpich**"]68d\_<40XKK0422.:."3" \*N+="**Vápenný vrch**"]6:c\_<30XKK0422.:."3" \*N+)

## Brachycentridae

*Micrasema longulum*"OeNcejncp."3:98

Ftwj"tq|-| gp "x"lkjq|<sup>a</sup>rcfp|"c"uv gfp|"Gxtqr ."x" T"qdgep "x"rqfjqtum ej"rqvqe|ej" c" | / m<sup>a</sup>ej|0 Xg"ungf<sup>a</sup>qxc<sup>2</sup>o"À|g o|"\*egnmgo"ugdt<sup>a</sup>pq"34:." c"3:." .XK0/XKK0+|"g"xgnok"jqlp " xg"Uo f<sup>2</sup>.Lk|g g" c"Mc o gpkék|0

Ocn<sup>a</sup>"Lg keg"]3;j\_="Ješkrabec"]42k\_="Jizera"]43i\_="Kamenice"]45l\_="Uo f<sup>a</sup>"]64e\_="Zlatník"]74c.d.0

*Micrasema minimum*"OeNcejncp."3:98

Gxtqr um "ftwj"\*ej{|d|"rqw|g"pc"ugxgtw+."x" T"x"rqfjqtum ej" | m<sup>a</sup>ej" c"rqvqe|ej"rq"egn<sup>2</sup>o" À|g o|0

Ješkrabec"]42k\_<40XKK0422:."3" 0

## Goeridae

*Goera pilosa*"\*Hcdtkekwu."3997+

X um{v"x"Gxtqr "c"x"Vwtgemw."x" T"-ktqeg"tq|-| gp "x"rqvqe|ej" c" gm<sup>a</sup>ej"x"pkfl-|ej" c"uv gfp|ej" rqnqj<sup>a</sup>ej|0 Ocygtk<sup>a</sup>n|"|umcp "|g"ungf<sup>a</sup>qxc<sup>2</sup>j q"À|g o|"rcej<sup>a</sup>|"|rtcx f r<sup>a</sup>qf qdp "|g"Uo f<sup>2</sup>\*egnmgo" :." "c"3" .XK0/XKK0+0

M<sup>a</sup>que x<sup>t</sup>{dp|f"}38d\_<\*N+="Mq k |"r<sup>a</sup>qvm"]47\_="Uo f<sup>a</sup>"]64k\_<\*N+."]64l.0

*Silo pallipes*"\*Hcdtkekwu."39:3+

Ftwj"tq|-| gp "x"Gxtqr "d|g|"kuncp<sup>a</sup>fw" c"R{tgpplum<sup>2</sup>j q"rqnqqvvtqxc+"c"x" |<sup>a</sup>rcfp|"o"Vwtge/ mw|0 X" T"jqlp "x"rqvqe|ej."x"lk|gtum ej"jqt<sup>a</sup>ej" c"pc"Ht fncpvmw" |lk-v pq"33" "c"4" " \*XK0/XKK0+0

Blatný potok"]6e\_="Lg keg"]3;c\_="Ocn<sup>a</sup>"Lg keg"]3;j\_="Uc um "r<sup>a</sup>qvm"]63c\_="Uo tflqxum "r<sup>a</sup>qvm"]66c\_<\*N+="Štolpich ]68l\_="r<sup>a</sup>qvm"vqrkejw"]68n.0

*Silo piceus* \*Dtcwgt."3:79+

Ftwj"tq|-| gp "xg"x v-|"<sup>a</sup>uvk"Gxtqr {"mtqo" kuncp<sup>a</sup>fw."Dtkvum ej"qvvtqx ."Umcpf<sup>a</sup>xkg" c"R{tg/ pglum<sup>2</sup>j q"rqnqqvvtqxc+0"X" T"rqo tp " cuv "x"ogp-|ej" gm<sup>a</sup>ej" c" | m<sup>a</sup>ej|0

Uo f<sup>a</sup>"]64k\_<390XKK04229."5" .3" \*N+)

## Lepidostomatidae

*Lepidostoma basale*"\*Mqngpcvk."3:6:+

Gxtqr um "ftwj"\*ej{|d|"lgp"xg"Umcpf<sup>a</sup>xkx."pc"Kuncp<sup>a</sup>fw" c"x"Rqtvi cnumw+."x" T"jqlp |0 Rtghgtwlg" ur|g"ogp-|"vqm{."pc"Ht fncpvmw" |lk-v p"xg"Uo f<sup>2</sup>\*;." .32" .X0/XKK0+0

Uo f<sup>a</sup>"]64k\_<\*N+."]64l\_="oqm cf." gtpqwu{|X"Rqk"}64o.0

*Lepidostoma hirtum*\*Hcdtkckwu."3997+

Ctg<sup>a</sup>n<sup>ftw</sup>jw|cjtpwlg<sup>Gxtqrw</sup>.Ocnqw<sup>Cukk</sup>.~t<sup>a</sup>p.<sup>Vwtm</sup>ogpkuv<sup>a</sup>p.<sup>Twumq</sup>x<sup>gvp</sup>"F<sup>a</sup>np<sup>2</sup>jq<sup>x</sup>ejqfw."  
Oqp<sup>i</sup>qumq.<sup>Mqtgw</sup>.Lcrqumq<sup>0</sup>X" T<sup>d</sup>flp<sup>"x"</sup>fl<sup>m<sup>a</sup>ej</sup>"c"gm<sup>a</sup>ej.<sup>xg</sup>ungfqxcp<sup>2</sup>o<sup>À</sup>|g<sup>o</sup>fl|lk<sup>-v</sup>pq<sup>3</sup>;"  
"c":<sup>7</sup>" \*XK0/XKK0+0

**Bukovec**]7c\_<\*N+=<sup>U o f<sup>a</sup></sup>]64k\_<\*N+."]64l\_="rybník Dubák"]64m\_<\*N+0

*Crunoecia irrorata*\*Ewtvku."3:56+

Ftwj<sup>"u</sup>gxtqrum o<sup>"tq</sup>|-fl<sup>gp</sup>fl<sup>o</sup>\*ej{d<sup>fl</sup>"x<sup>lkf</sup>fl<sup>"<sup>a</sup>uwk</sup>Dcnm<sup>a</sup>pw+<sup>0</sup>X" T<sup>xgn</sup>ok<sup>jqlp</sup>"pc<sup>r</sup>tc<sup>o</sup>gpk<sup>-v</sup>fl<sup>ej</sup>"  
oqm<sup>cf</sup>gej."|t<sup>lp</sup>ej<sup>"nqmcnk</sup>v<sup>Lk</sup>lgtum<sup>ej</sup>"jqt<sup>fl</sup>|lk<sup>-v</sup>pq<sup>49</sup>" "c"<sup>52</sup>" \*XK0/KZ0+0

**Bílý potok**]5d\_="Holubí potok"]38c\_="Jedlová"]39e\_="r<sup>fvqm</sup>Lg<sup>-mtcdeg</sup>]42e.f.h\_="rtc<sup>o</sup>gpk<sup>-v</sup>"w<sup>Lg</sup>-<sup>mtcdeg</sup>]42j\_="  
**Velký Štolpich**]68f\_="Malý Štolpich"]68g\_="rtc<sup>o</sup>gpk<sup>-v</sup>"w<sup>J</sup>glpk<sup>e</sup>/Hgt<sup>fl</sup>pcp<sup>f</sup>qxc"]68i.j\_="r<sup>fvqm</sup>O<sup>cn</sup><sup>2</sup>jq<sup>TM</sup>vqr<sup>ke</sup>jw<sup>]</sup>  
]68k\_="r<sup>fvqm</sup><sup>TM</sup>vqr<sup>ke</sup>jw"]68m.n.o.p.q\_="Velká Rybí voda"]72f\_<\*N+=<sup>rtc</sup>o<sup>gpk</sup>-v<sup>"r</sup>qf<sup>"V</sup>k<sup>-kpq</sup>w"]72h\_="rtc<sup>o</sup>gpk<sup>-v</sup>"  
W<sup>U</sup>r<sup>a</sup>ngp<sup>2</sup>jqur<sup>qf</sup>{"]75h\_0

## Limnephilidae

### Apataniinae

*Crcvcpkc*"Łodtkvc"\*Rkegv."3:56+

Nkvt<sup>a</sup>tp<sup>"</sup>Áfclg<sup>"</sup>Vq<sup>o</sup>cu|gyumk<sup>\*3</sup>;54+."Twemk<sup>\*4229</sup>+0

Uv<sup>g</sup>fqgxtqrum<sup>"ftwj</sup>0<sup>X"</sup> T<sup>xgn</sup>ok<sup>jqlp</sup>"x<sup>j</sup>qtum<sup>ej</sup>"rqvqe<sup>fl</sup>ej.<sup>r</sup>fl<sup>r</sup>0<sup>uwv</sup>f<sup>gp</sup>ej<sup>"rtc</sup>o<sup>g</sup>gpej."  
|"EJMQ<sup>Lk</sup>lgtum<sup>2</sup>"jqt{d<sup>n</sup>|fl<sup>um</sup><sup>a</sup>p<sup>xgn</sup>ok<sup>dq</sup>jc<sup>v</sup>"o<sup>cv</sup>gk<sup>a</sup>n<sup>\*3</sup>"764" .493" "c"<sup>38</sup>"nctgx="  
kocic<sup>q</sup>f<sup>"mq</sup>peg<sup>"X</sup>l<sup>f</sup>q<sup>Z</sup>0+0

**Bílá Desná**]4\_="Bílý potok"]5c\_="r<sup>fvqm</sup>D<sup>fl</sup><sup>2</sup>jq<sup>r</sup>qvqc"]5e\_="o<sup>qm</sup>cf{"w<sup>D</sup>fl<sup>2</sup>jq<sup>r</sup>qvqc"]5f.g\_="Blatný potok"]6c\_="  
gtp<sup>a</sup>Fgup<sup>a</sup>]9c\_="gtp<sup>a</sup>Pluc<sup>]</sup>;c.g\_="r<sup>fvqm</sup>xq<sup>f</sup>fl<sup>p</sup><sup>a</sup>f<sup>flg</sup>Dgf<sup>kej</sup>qx];e\_="gtp<sup>"rqvqm</sup>]32c\_="F<sup>tc</sup>fl<sup>"rqvqm</sup>]35c\_="  
r<sup>fvqm</sup>F<sup>tc</sup>fl<sup>"jq</sup>qvqc"]35d\_="Harcovský potok"]37c\_="Jedlová"]39c.d\_="Jelení potok"]3:c.d\_="Ješkrabec"]42c.d\_="  
r<sup>fvqm</sup>Lg<sup>-mtcdeg</sup>]42e.f\_="Jizera"]43c.d.e\_="Krásný potok"]43f\_="R<sup>fl</sup><sup>p</sup><sup>a</sup>xq<sup>f</sup>c"]44c\_="Jizerka"]44d.f\_="Uch<sup>ftq</sup>x"  
potok"]44e\_="Mng<sup>qx</sup><sup>2</sup>nqwm{"]46\_="Mariánskohorské boudy"]52\_<\*N+=<sup>Rovný potok</sup>]5:c\_="gtp<sup>a</sup>U<sup>o</sup>f<sup>a</sup>"]64d\_="  
U<sup>o</sup>f<sup>a</sup>"]64e\_="Šindelový potok"]67c\_="Malý Štolpich"]68g\_="rtc<sup>o</sup>gpk<sup>-v</sup>"w<sup>J</sup>glpk<sup>e</sup>/Hgt<sup>fl</sup>pcp<sup>f</sup>qxc"]68i\_="r<sup>fvqm</sup>  
Štolpichu"]68m.o\_="Velká Rybí voda"]72e\_="Zlatník"]74d\_0

### Drusinae

*Anomalopterygella chauviniana*\*Uvgkp."3:96+

Ftwj<sup>"tq</sup>|-fl<sup>gp</sup>"xg<sup>uv</sup>gf<sup>fp</sup>"c<sup>lk</sup>jq|<sup>a</sup>rc<sup>fp</sup>fl<sup>Gxtqr</sup>."x" T<sup>p</sup><sup>a</sup>o<sup>"nq</sup>m<sup>a</sup>np<sup>"|</sup>"rqvqm<sup>"x</sup>"jqtum<sup>ej</sup>"  
qdncuvej0

**gtp<sup>a</sup>Fgup<sup>a</sup>**]9d\_<490XK04227."9"nctgx."L0<sup>TM</sup>rc<sup>gm</sup>fgv0="O<sup>cn</sup><sup>a</sup>Lg<sup>keg</sup>]3;j\_<320XK04227." :nctgx="Malý Štolpich  
]68h\_<320XK04227."3"nctxc0

*Ecclisopteryx dalecarlica* Mqngpcvk."3:6:

Ftwj<sup>"tq</sup>|-fl<sup>gp</sup>"x<sup>Gxtqr</sup>"q<sup>fl</sup>U<sup>mc</sup>pfk<sup>p</sup><sup>a</sup>xkg<sup>r</sup>gu<sup>uv</sup>gf<sup>fp</sup>fl<sup>Gxtqrw</sup>pc<sup>Dcnm</sup><sup>a</sup>p<sup>c</sup>f<sup>q</sup>|<sup>a</sup>rc<sup>fp</sup>fl<sup>Cpcvq</sup>/  
nkg0<sup>X"</sup> T<sup>tq</sup>|-fl<sup>gp</sup>"r<sup>q</sup>egn<sup>2</sup>o<sup>À</sup>|g<sup>o</sup>fl<sup>"x</sup>"jqtum<sup>ej</sup>"c<sup>r</sup>qf<sup>j</sup>qtum<sup>ej</sup>"vqe<sup>fl</sup>ej.<sup>xg</sup>ungfqxcp<sup>2</sup>o<sup>À</sup>|g<sup>o</sup>fl<sup>"</sup>  
|lk<sup>-v</sup>pq<sup>3</sup>:<sup>3</sup>" "c"<sup>92</sup>" \*X0/XKK0+0

**Bukovec**]7c\_<\*N+=<sup>gtp<sup>a</sup>Fgup<sup>a</sup></sup>]9d\_="Jizera"]43e\_="Jizerka"]44d.f\_<\*N+=<sup>Kamenice</sup>]45k\_="Mariánskohorské  
boudy"]52\_<\*N+=<sup>Rovný potok</sup>]5;d\_<\*N+=<sup>T</sup>{d<sup>fl</sup>nq<sup>w</sup>m<sup>f</sup>}]62\_="Mt<sup>a</sup>up<sup>a</sup>O<sup>c</sup>fl"]68c\_<\*N+0

*Ecclisopteryx madida*\*OeNcejncp."3:89+

Uv gfgqxtqrum "ftwj."x" T"nqm^np "tq|-f| gp "x"rqvqe|ej"jqtum ej"qdnucv|0

**Jizerka**]44f\_<4;0XKK03; ;.3" \*N+=420XKK03; ;.3" \*N+=**Mariánskohorské boudy**]52\_<3;0XKK04223."3" \*N+=0

*Drusus annulatus*\*Uvgr jgpu."3:59+

Nkgt^tp|Àfclg<Twenk\*4229+0

Ftwj|p^a o "|g|g o f|uv gfp|c|"a rcfp|Gxtqr{"c|"Dtkvum ej"quvtqx 0"X"pc-kej"rqf o fpm^ej" xgnok"jqlp "ftwj"jqtum ej"rqvqm ."r|r cfp|"ejncfp ej"rqvqm "uv gfp|ej"rqnqj0|\k-v p" \*864" .3;9" "c"54"nctgx+xg"x v-kp "ungfqxcp ej"rqvqm "pc"À|g o f|E JMQ"Lk|gtum^2"jq t{" pcf"622"o"p0o0."kocic"n^2vcl|f"rq"egnqw"ug|>>pw0

**Blatný potok**]6c.d.\_]6e.<\*N+=**Bukovec**]7c.<\*N+=**Dwmqxe**."rtc o gpk-v "]7d.\_" gtp^a**Fgup**]9c.d.\_" gtp^a**Pluc** ]c.g.\_"r f|vqm" gtp^2**Pku**{};].d.\_"r f|vqm"xqfp"p^a f|flg"Dgf kej qx";e.\_" gtp "rqvqm"]32c.d.\_" gtp^a" f|mc"]32e.\_" gtxgp "rqvqm"]33.\_"r f|vqm**Fgup**]34c.\_"Ftc f|rqvqm"]35c.\_"o qm cf"w" \nev^2**Qng-pkeg**]35g.\_"dqe x"t{dp|fm ]38d.<\*N+=**Jedlová**]39c.d.e.\_]39f.<\*N+=**Jelení potok**]3:c.d.\_"Lg keg"]3;c.e.\_"r f|vqm"Lg keg"]3;h.\_"r f|vqmLg-mtcdg ]42e.f.h.\_**Jizera**]43c.d.e.\_**Krásný potok**]43f.\_"R f|p^a"xqf c"]44c.\_**Jizerka**]44d.f.\_"Uch|tqx "rqvqm"]44e.\_**Velký Kamenický potok**]45c.\_"r f|vqmMc o gpleg]45f.g.h.j.\_"Mng qx^2"nqwm{"]46.<\*N+=**Lomnice**]49c.\_**Makovský potok** ]4;\_=**Mariánskohorské boudy**]52.<\*N+=**Pc**" kj c fng"]53.<\*N+=**Rovný potok**]5;c.f.\_]5;d.<\*N+=**T**{d|nqw m{"]62.\_" Dn^a"U o f^a"]64c.\_" gtp^a"U o f^a"]64d.\_"U o f^a"]64e.\_"U o f|lqxum "rqvqm"]66c.<\*N+=**Šindelový potok**]67c.\_"Velký Štolpich"]68d.e.<\*N+=**rtc o gpk-v**"w"J|gpk|Hgt flkpcp|fqc"]68i.\_"r f|vqm"vqrke|jw"]68o.\_"Vkej^a" f|mc"]69.<\*N+=**Velká Rybí voda**]72c.e.\_]72d.f.<\*N+=**Zlatník**]74d.e.\_**Ztracený potok**]75c.e\_0

*Drusus discolor*\*Tc o dwt."3:64+

Nkgt^tp|Àfclg<Twenk\*4229+0

Ftwj"tq|-f| gp "x"lkfp|c"uv gfp|Gxtqr "qf"ugxgtp|jq^TMrcp numc"rq"Dcmm^p0" Jqtum "ftwj." x" T"|p^a o "|rqvqm "xg"x-gej"rqj q|ej."ocvgtk^a"|"Lk|gtum ej"jq t|"c|jtpwlg"77" .36" " c^4"nctx{\*kocic"XK0/XKK0+0

**Blatný potok**]6e.<\*N+=**Bukovec**]7c.<\*N+= gtp^a**Fgup**]9d.<U|rc gm f|g|0=**Jedlová**]39f.<\*N+=**r f|vqmLg-mtcdg** ]42e.f.\_**Jizera**]43c.\_]43e.<\*N+=**Jizerka**]44f.<\*N+=**Mng qx^2"nqwm**{"]46.<\*N+=**Pc**" kj c fng"]53.<\*N+=**T**{d|nqw m{ ]62.<\*N+= gtp^a"U o f^a"]64d.\_"U o f|lqxum "rqvqm"]66c.<\*N+=**Velký Štolpich**]68d.<\*N+=**Velká Rybí voda**]72d.f.<\*N+."]72e.\_**Zlatník**]74d.\_**Ztracený potok**]75e\_0

**Limnephilinae: Limnephilini**

*Glyphotaelius pellucidus* \*Tgv|kwu."39:5+

Ftwj"tq|-f| gp "x"Gxtqr "cfl"rq|"a rcfp|Ukdk."|p^a o "vcm^2|"Vwtgemc0"X" T"d flp "ftwj"uvqlc/ v ej"xqf."r|r cfp|"mnkfp l-|ej"Augm "vqm ."pkfl-|ej"cu v gfp|ej"rqnqj."xg"ungfqxcp^2 o "À|g o f| |lk-v pq"66" "c"35" \*XK0/KZ0+0

**Bukovec**]7c.<\*N+=**mqe x"t{dp|fm**]38d.<\*N+=**Holubí potok**]38e.\_**Pertolický potok**]57c.\_"o qm cf." gtpqwu{/ **V Poli**]64o.\_"o qm cf{"wDn^2"j"q"Rqvqmc"]72i\_0

*Grammotaulius nigropunctatus*\*Tgv|kwu."39:5+

Rcngctmvekem "ftwj"X|um{|wlg"wg"x"t |p ej"v{|rgej"xqf."x" T"nqm^np "jqlp ."kocic"n^2vcl|f"qf|lctc" fq"rqf|k o w|X"Lk|gtum ej"jq t^a ej"|"c|pc o gp^a pq"33" "c"4" \*XK0/XKK0+0

**Blatný potok**]6e.<\*N+=**Bukovec**]7c.<\*N+=**Jizera**]43e.<\*N+=**Mng qx^2"nqwm**{"]46.\_**Mariánskohorské boudy**]52\_<\*N+=**Rovný potok**]5;d.<\*N+=**T**{d|nqw m{"]62.<\*N+=0

*Nkopgr jknwu*"chLpku"Ewtvku."3:56

Rcngctmvekem "ftwj."x" T"tq|-f| gp "rq"egn^2 o "À|g o f|pc"t |p ej"o qm cf gej"qf"p|flk|p"rq"jqtum^2" qdnucvk."cng"pgrq gvp ="x"Lk|gtum ej"jq t^a ej"wnqxgpk"4" "c":." \*XK0/KZ0+0

**Blatný potok**]6e\_<^\*N+=**Bukovec**]7c\_<^\*N+=**gtp<sup>a</sup>jqtc**]:\_<^\*N+=**Jedlová**]39f\_<^\*N+=**Jizerka**]44f\_<^\*N+=**Mng qx<sup>2</sup>**  
**louky**]46\_<^\*N+

*Limnephilus auricula*"Ewtvku."3:56

Ftwj"tq|-|gp "qf"Gxtqr{"rq"Uv gfp|"Cukk0"D flp "ftwj"oqm cf "pc"egn<sup>2</sup>o"À|g o|" T."xg"ung/  
fqxcp<sup>2</sup>o"À|g o|"|lk-v pq"58" "c"34" "\*XK0/KZ0+0

r {fpm}Cpf num<sup>2</sup>jq"rqvqmc"}3d\_=**Bukovec**]7c\_<^\*N+=**gtp<sup>a</sup>jqtc**]:\_<^\*N+=<sup>TM</sup>que x't{dpfm}]38d\_<^\*N+=**Holubí potok**  
]38e\_=**Jedlová**]39f\_<^\*N+=**Jizera**]43e\_<^\*N+=**Mng qx<sup>2</sup>hqwm**{]46\_<^\*N+=**Mariánskohorské boudy**]52\_<^\*N+=**Pc**" kj c fng  
]53\_=**Pertoltický potok**]57c\_=**Poledník**]58\_<^\*N+=**Rovný potok**]5;c\_."]5;d\_<^\*N+=**Velký Štolpich**]68e\_<^\*N+=**Malý**  
**Štolpich**]68g\_=**Velká Rybí voda**]72f\_<^\*N+=**o qm cf**{"w"D<sup>fm</sup>2jq"Rqvqmc"}]72i\_0

*Limnephilus bipunctatus*"Ewtvku."3:56

Ftwj"tq|-|gp "x"Gxtqr "c"Ocn<sup>2</sup>Cukk0"X" T"rq"egn<sup>2</sup>o"À|g o|"x"Lk|gtum ej"jqt<sup>a</sup>ej"wnqxpq"  
;" "\*X0/KZ0+0

<sup>TM</sup>que x't{dpfm}]38d\_<^\*N+=**o qm cf** {"Opf-gm"}]3;L=**Jizera**]43c\_=**Mng qx<sup>2</sup>hqwm**{]46\_<^\*N+=**Poledník**]58\_<^\*N+=  
U o tm"}]65\_0

*Limnephilus centralis*"Ewtvku."3:56

Gxtqrum "ftwj."x" T"xgnok"jqlp "pc"jqtum ej"o qm cfgej0"X"Lk|gtum ej"jqt<sup>a</sup>ej"|c|pcogp<sup>a</sup>pp"  
339" "c"9;" "\*mqpge"X0/KZ0+0

**Blatný potok**]6c\_."]6e\_<^\*N+=**Bukovec**]7c\_<^\*N+=**Dwmqxe.rtc o gpkv-**]7d\_=**gtp<sup>a</sup>Fgup<sup>a</sup>**]9d\_=**gtp<sup>a</sup>jqtc**]:\_<^\*N+=  
xqfp|"p<sup>a</sup>ftf"Dgf kejqx"];f\_=**gtp<sup>a</sup>Pluc**"];g\_=**gtp "rqvqm**]32c\_=<sup>TM</sup>que x't{dpfm}]38d\_<^\*N+=**Holubí potok**  
]38e\_=**Jedlová**]39d\_."]39f\_<^\*N+=**Jelení potok**]3;c\_=**Oca**"Lg keg"]3;j\_=**o qm cf** {"Opf-gm"}]3;L=**Jizera**]43c.d.e\_=  
R {p<sup>a</sup>xqfc"}44c\_=**Jizerka**]44d.f\_=**Uchl<sup>2</sup>qx "rqvqm**]44e\_=**Velký Kamenický potok**]45c\_=**Mng qx<sup>2</sup>hqwm**{]46\_=  
**Mariánskohorské boudy**]52\_<^\*N+=**Pc**" kj c fng"]53\_=**Poledník**]58\_<^\*N+=**Rovný potok**]5;c\_."]5;d\_<^\*N+=**Rybí**  
nqw m{"}]62\_=**gtp<sup>a</sup>U o f<sup>a</sup>**]64d\_=**U o tm**]65\_=**U o t<sup>l</sup>qxum "rqvqm**]66c\_<^\*N+=**o qm cf**."R gf n"}]67d\_=**Velká Rybí**  
**voda**]72f\_<^\*N+=**o qm cf** {"w"D<sup>fm</sup>2jq"Rqvqmc"}]72i\_=**Ztracený potok**]75c\_0

*Limnephilus coenosus*"Ewtvku."3:56

Ftwj"tq|-|gp "pc"x v-kp "À|g o|"Gxtqr{"cpc"}<sup>a</sup>rcfp|"Ukdk k0"X" T"jqlp "x"tc-gnkpp ej"xqf<sup>a</sup>ej."  
o cvgtk<sup>a</sup>n"|Lk|gtum ej"jqt<sup>a</sup>|c|jtpwlg"597" "c"375" "\*mqpge"X0/KZ0+0

**Blatný potok**]6c\_=**gtp<sup>a</sup>jqtc**]:\_<^\*N+=**Jelení potok**]3;c\_=**Jizera**]43c.e\_=**Jizerka**]44d\_=**Mng qx<sup>2</sup>hqwm**{]46\_=**Mari-**  
**ánskohorské boudy**]52\_<^\*N+=**Pc**" kj c fng"]53\_=**Poledník**]58\_<^\*N+=**Rovný potok**]5;d\_<^\*N+=**T**{d<sup>fm</sup>hqwm m{"}]62\_=  
U o tm"}]65\_=**Vkej<sup>a</sup>" { mc**]69\_<^\*N+=**Velký Štolpich**]68e\_<^\*N+

*Limnephilus decipiens*"Mqngpvc."3:6:+

X{um{vwlg"ug"xg"uvqlcv ej"kvgmqwe|ej"xqf<sup>a</sup>ej"qf"Gxtqr{"\*dg|"R{tgpplum<sup>2</sup>jq"c"Crgpkpum<sup>2</sup>jq"  
rqnqquvtqxc"cpglugxgtp l-|ej"qdcuv|+|cfl"rq"}<sup>a</sup>rcfp|"Ukdk 0"X" T"d flp "ftwj."x"Lk|gtum ej"  
jqt<sup>a</sup>ej"338" "c"4;" "\*XK0/Z0+0

**Blatný potok**]6e\_<^\*N+=**Bukovec**]7c\_<^\*N+=**gtp<sup>a</sup>jqtc**]:\_<^\*N+=<sup>TM</sup>que x't{dpfm}]38d\_<^\*N+=**Holubí potok**]38e\_=  
**Jedlová**]39f\_<^\*N+=**Jizera**]43c\_."]43e\_<^\*N+=**Mng qx<sup>2</sup>hqwm**{]46\_<^\*N+=**Mariánskohorské boudy**  
]52\_<^\*N+=**Pc**" kj c fng"]53\_<^\*N+=**Poledník**]58\_<^\*N+=**T**{d<sup>fm</sup>hqwm m{"}]62\_<^\*N+=**U o tm**]65\_=**Mt<sup>a</sup>up<sup>a</sup>Oc**"}]68c\_<^\*N+=  
**Velký Štolpich**]68d.e\_<^\*N+=**Malý Štolpich**]68g\_=**Vkej<sup>a</sup>" { mc**]69\_<^\*N+=**Velká Rybí voda**]72d.f\_<^\*N+

*Limnephilus extricatus*"OeNcejncp."3:87

Gxtqrum "ftwj."x" T'd flp "x"t |p ej"v{rgej"o qm cf 0"Xg"ungfqxcp<sup>2</sup>o"À|g o|"|lk-v pq"35" "  
c"47" "\*XK0/XKKK0+0

**Blatný potok**]6e\_<^\*N+=<sup>TM</sup>que x't{dpfm}]38d\_<^\*N+=**Jedlová**]39f\_<^\*N+=**Jizera**]43e\_=**Jizerka**]44d.f\_<^\*N+=**Mq k**"}  
**potok**]47\_=**Pc**" kj c fng"]53\_<^\*N+=**Rovný potok**]5;d\_<^\*N+=**T**{d<sup>fm</sup>hqwm m{"}]62\_=**o qm cf**."gtpqwu{/X"Rqk"}]64 o\_=  
U o t<sup>l</sup>qxum "rqvqm"]66c\_<^\*N+

*Nkopgrjkmwu"t cxkeqtpku"\**Hcdtkckwu."39:9+

Rcngctmwkem "ftwj."x" T"jqlp ."rtghgtwlg" |ctquvn<sup>2</sup>"uvqlcv<sup>2</sup>"xqf {0"Xg"ungfqxcp<sup>2</sup> o "À |g o ¶ |c |pc / o gp<sup>a</sup> pq": "c"4" \*XK0/Z0+0

**Bukovec**]7c\_<\*"N+= "Mng qx<sup>2</sup>"nqwm{"146\_="Poledník"}58\_<\*"N+= "T{d¶"nqw m{"162\_<\*"N+= "o qm cf." gtpqwu{/X"Rqk ]64 o\_="Velká Rybí voda"}72f\_<\*"N+0

*Limnephilus griseus*"\*Nkppcgwu."397:+

Ftwj"tq|\_¶ gp "x"rcngctmwv"cwfa"xcpc "k|" |I t>pumc"cnlc-m{0"X" T"jqlp "x"t |p ej"v{rgej"xqf" x gvp "rgtkqfkem ej" o qm cf ." |"E JMQ"lk |gtum<sup>2</sup>" jqt{"egnmg o"98" "c"38" \*X0/KZ0+0

**Bílá Desná**]4\_="Blatný potok"]6e\_<\*"N+= "Bukovec"]7c\_<\*"N+= "gtp<sup>a</sup> j qtc":\_<\*"N+= "Jedlová"]39f\_<\*"N+= "Jizera"]43e\_<\*"N+= "Jizerka"]44d\_="Mng qx<sup>2</sup>"nqwm{"146\_<\*"N+= "Mariánskohorské boudy"]52\_<\*"N+= "Pc" k j c f ng"]53\_<\*"N+= "Poledník ]58\_<\*"N+= "T{d¶"nqw m{"162\_<\*"N+= "U o tm"}65\_="U o tflqxm "rqvqm"]66c\_<\*"N+= "Velký Štolpich"]68d\_<\*"N+= "Vápenný vrch"]6:c\_<\*"N+= "Velká Rybí voda"}72d.f\_<\*"N+0

*Limnephilus ignavus*"OeNcejncp."3:87

Gxtqrum "ftwj"\*ok o q" gemc+.x" T"-ktqeg"tq|\_¶ gp "pc" o qm cfgej0" Pc"t |p ej"nqmcnkva"ej" xg"ungfqxcp<sup>2</sup> o "À |g o ¶ |lk-v pq"9" "c": " \*XK0/KZ0+0

<sup>M</sup>qne x"t {d¶fm"}38d\_<\*"N+= "Jizera"]43e\_<\*"N+= "Mq k ¶"rqvqm"]47\_="Oleška"]55e\_="Pertoltický potok"]57c\_="U o tflqxm " potok"]66c\_<\*"N+= "Malý Štolpich"]68g\_="Vápenný vrch"]6:c\_<\*"N+= "Velká Rybí voda"}72f\_<\*"N+= "o qm cf {"wD¶<sup>2</sup> j q" Potoka"}72i\_0

*Limnephilus lunatus*"Ewtvku."3:56

\ ^ rcfqrcngctmwkem "ftwj."x" T"d flp "ud{t<sup>a</sup> p"pc"t |p ej"v{rgej" o qm cf 0"Xg"ungfqxcp<sup>2</sup> o "À |g o ¶ pcng |gpq": "c"9" \*XK0/Z0+0

**Bukovec**]7c\_<\*"N+= "<sup>M</sup>qne x"t {d¶fm"}38d\_<\*"N+= "Mng qx<sup>2</sup>"nqwm{"146\_="Poledník"}58\_<\*"N+= "Rovný potok"]5;d\_<\*"N+= "o qm cf." gtpqwu{/X"Rqk"}64 o\_="Mt up<sup>a</sup>" Oc ¶"]68c\_<\*"N+= "Vápenný vrch"]6:c\_<\*"N+= "o qm cf {"wD¶<sup>2</sup> j q" Rqvqmc ]72i\_0

*Limnephilus rhombicus*"\*Nkppcgwu."397:+

Jqncctmwkem "ftwj."x" T"xgnok"jqlp "r gfgx-¶ o "x" |ctquvn ej"uvqlcv ej"xqfa"ej0"X"lk |gtum ej" jqt<sup>a</sup>ej" c"pc"Ht fncpvumw"wnqxgqp"32" "c"7" \*XK0/KZ0+0

**Blatný potok**]6e\_<\*"N+= "Jizera"]43e\_<\*"N+= "Jizerka"]44d\_<\*"N+= "Mq k ¶"rqvqm"]47\_="Pc" k j c f ng"]53\_<\*"N+= "T{d¶"nqw m{"162\_<\*"N+= "o qm cf." gtpqwu{/X"Rqk"}64 o\_="Vápenný vrch"]6:c\_<\*"N+= "o qm cf {"wD¶<sup>2</sup> j q" Rqvqmc"}72i\_0

*Limnephilus sparsus*"Ewtvku."3:56

Rcngctmwkem "ftwj."x" T"xgnok" cuv "pc"t |p ej" o qm cfgej."jqlp "k"xg"ungfqxcp<sup>2</sup> o "À |g o ¶." |c |pc o gp<sup>a</sup> pq"343" "c"378" \*X0/Z0+0

**Bukovec**]7c\_<\*"N+= "Dwmqxe."rtc o gpk-v " ]7d\_="xqf p¶"p<sup>a</sup> f tfl Dgf ke j qx"; f\_="Mqne x"t {d¶fm"}38d\_<\*"N+= "Holubí potok"]38e\_="Jedlová"]39f\_<\*"N+= "Jizera"]43e\_<\*"N+= "Jizerka"]44d.f\_<\*"N+= "Mng qx<sup>2</sup>"nqwm{"146\_<\*"N+= "Mariánskohorské boudy"]52\_<\*"N+= "Pc" k j c f ng"]53\_<\*"N+= "Pertoltický potok"]57c\_="Poledník"]58\_<\*"N+= "Rovný potok"]5;c\_." ]5;d\_<\*"N+= "rybník Dubák"]64m\_="U o tflqxm "rqvqm"]66c\_<\*"N+= "Velký Štolpich"]68e\_<\*"N+= "Vke j<sup>a</sup>" ¶ mc"}69\_<\*"N+= "Velká Rybí voda"}72f\_<\*"N+= "o qm cf {"wD¶<sup>2</sup> j q" Rqvqmc"}72i\_="Zlatník"]74d\_0

*Limnephilus stigma*"Ewtvku."3:56

Ftwj"tq|\_¶ gp "x"Gxtqr ."r gu"Udkd "c" F<sup>a</sup>np "x ejqf"cf"pc"cnlc-mw0"X" T"jqlp ."rtghgtwlg" |ctquvn<sup>2</sup>"uvqlcv<sup>2</sup>"xqf {"xg"ungfqxcp<sup>2</sup> o "À |g o ¶ |c |pc o gp<sup>a</sup> p"rqw |g"4" "c"3" \*XK0/KZ0+0

**Holubí potok**]38e\_="Panenský rybník"]57d\_="rybník Dubák"]64m\_<\*"N+0



*Limnephilus subcentralis*"Dtcwgt."3:79

Rcngctmkem "ftwj."x" T"tq|-f|gp"r gfgx-|o"x"|ctquvn ej"uvqlcv ej"xqf<sup>a</sup>ej<sup>0</sup>"X"Lk|gtum ej" jqt<sup>a</sup>ej"rqw|g"p<sup>a</sup>jqp "AnqXgm"pc"ux vniq<sup>0</sup>

Jizera"]43e\_<'3;0XKK04227."3" \*N+0

*Limnephilus vittatus*"\*Hcdtkekwu."39; : +

Tq|-f|gp"qf"Gxtqr{"cf|rq"x ejqfp"Ukdk ."x" T"d flp "ftwj"oqm cf 0"Xg"ungfqxcp<sup>2</sup>o"À|g o" |lk-v p"rqw|g"x lkog p <'3" "c"4" \*XKK0/KZ0+0

Jedlová"]39f\_<'\*N+="Jizerka"]44f\_="potok u Filipovsky"]63d\_0

*Rhadicoleptus alpestris*"\*Mqngpcvk."3:6: +

Ftwj"lg"x"p mqnkmc"rqf ftw|f|ej"tq|-f|gp"v<sup>2</sup>o "rq'egn<sup>2</sup>"Gxtqr "dg|"Kuncp"fw."Ktunc."Rqtwi"cnunc+." xg"uv gfp"Gxtqr "pqokp<sup>a</sup>vp"htoc0"X" T"jqlp "x"tc-gnkpp ej"v m<sup>a</sup>ej."x"Lk|gtum ej"jqt<sup>a</sup>ej" wniqXgpq"47;" "c"9;" \*X0/XKK0+0

Blatný potok"]6c\_." ]6e\_<'\*N+=" Bukovec"]7c\_<'\*N+=" DwmqXge."rtc o gpk-v " ]7d\_=" gtp<sup>a</sup> jqt["]:="Tmqe x"t{dpfm ]38d\_="Holubí potok"]38e\_="Jedlová"]39f\_<'\*N+="Jizera"]43c.d.e\_="Jizerka"]44d\_." ]44f\_<'\*N+="Mng qx<sup>2</sup>"nqwm{" ]46\_<'\*N+="Mariánskohorské boudy"]52\_<'\*N+="Pc" kjcfng"]53\_="T{d"nqwm{" ]62\_=" gtp<sup>a</sup>Uo f<sup>a</sup>"]64d\_="Uo tm"]65\_=" Vkej<sup>a</sup>" f mc"]69\_0

## Limnephilinae: Chaetopterygini

*Annitella obscurata*"\*OeNcejncp."3:98+

Ftwj"|p<sup>a</sup>o " |g"uv gfp"c"ugxgtp"Gxtqr{."Ukdk g"o"Oqpiqnumc"rq"twum "F<sup>a</sup>np "x ejqf0"X" T" d flp "ftwj"x"vqmwe|ej"xqf<sup>a</sup>ej"x"rqfj "c"rcjqtmcvkp<sup>a</sup>ej."x"Lk|gtum ej"jqt<sup>a</sup>ej"|c|pcogp<sup>a</sup>p" rqw|g"lgfpqw<sup>0</sup>

xqf<sup>a</sup>p<sup>a</sup>ftf"Dgf kejqx"];f\_<'70Z03; ;7."3" 0

*Chaetopterygopsis maclachlani* Uvqkp."3:96

Nkvt<sup>a</sup>tp"Àfclg<'Vqoc u|g yumk\*3;54+."Twemk\*4229+0

Tq|-f|gp"xg"uv gfp"c"lkjxq ejqfp"Gxtqr ."x" T"jqlp "ftwj"jqtum ej"rqvqm 0"X"Lk|gtum ej" jqt<sup>a</sup>ej"pcng|gpq"5;" "c"9" \*mqpge"KZ0"ó"|c<sup>a</sup>vgm"ZK0+."f<sup>a</sup>ng"d{nq"ugdt"pq"49"nctgx<sup>0</sup>

Blatný potok"]6e\_<'\*N+." ]6f\_=" gtp<sup>a</sup>"Fgup<sup>a</sup>"]9c.d\_=" gtp<sup>a</sup>"Pluc"];c\_="r fvm" gtp<sup>2</sup>"Pku{"];d\_="Jizera"]43d\_="R f p<sup>a</sup> voda"]44c\_="Jizerka"]44d.f\_="Ztracený potok"]75c\_0

*Chaetopteryx major*"OeNcejncp."3:98

Uv gfgxtqtrum "ftwj."x" T"tq|-f|gp "rq'egn<sup>2</sup>o"À|g o"Kocic"ug"x{um{vwl" x" r qf |kop|ej" o u|e|ej"mqng o"rqvqm 0

Ftc "rqvqm"]35c\_<' ;0KZ04226."3" =Tmqe x"t{dpfm"}38d\_<'470KZ04222."3" \*N+="Ješkrabec"]42c.d\_<'4;0KZ04228."3" =Velký Štolpich"]68e\_<'490KZ04222."3" \*N+0

*Chaetopteryx villosa*"\*Hcdtkekwu."39; : +

X"Gxtqr "tq|-f|gp "qf"R{tgp|f"rq"Umcpfkp<sup>a</sup>xk."x" T"\*u"x lk o mqw"x ejqfp"Oqtex{+}xgnok" jqlp "ftwj"x"vqmwe|ej"xqf<sup>a</sup>ej<sup>0</sup>" Jqlp "k"xg"ungfqxcp<sup>2</sup>o"À|g o".|f<sup>a</sup>um"apq"3;5" "c"94" " \*KZ0/ZK0+0

oqm cf{"wD"n<sup>2</sup>j"rqvqmc"]5g\_="r fvm"xqf<sup>a</sup>p<sup>a</sup>ftf|Uqw-"]9f\_=" gtp<sup>a</sup>"Pluc"];c\_="r fvm" gtp<sup>2</sup>"Pku{"];d\_="r fvm" xqf<sup>a</sup>p<sup>a</sup>ftf|Uqw-"];c\_="xqf<sup>a</sup>p<sup>a</sup>ftf|Uqw-"];f\_="Harcovský potok"]37c.d\_="r fvm"Jcteqxum<sup>2</sup>j"rqvqmc

]37e\_="r f\qumM g o gpp2j q r q v q m c"]37f\_="Holubí potok"]38e\_="r f\qumLg keg"]3; h\_="Ješkrabec"]42k\_="Jizera"]43d.e\_="Jizerka"]44d.f\_="Uch\{tqx "r q v q m"]44e\_="Kamenice"]45l\_="Lomnice"]49c\_="Rovný potok"]5; c\_="T{d\{nq w m{"}]62\_="o q m c f." g t p q w u{X'Rqmk"}64 o\_="potok, Horní Maxov"]66d\_="Ztracený potok"]75c\_0

*Pseudopsilopteryx zimmeri*\*OeNcejncp."3: 98+

Ctg^an"ftwjw|c|jtpwlg"uv gfp|"Gxtqrw"cu g x g t p|"Kv^nk k"X" T"x"r q v q e|ej"x"jqtum ej"q d n c u v g e j." r q r 0"xg"uv w f g p e j"r q v q e|ej"kp x g t|p|ej"r n q j j."x v-k p q w"p g r q g v p 0  
r f\qumLg keg"]3; h\_<46\kZ0/450Zk04228."4" .3" =Ješkrabec"]42c.d\_<4; \kZ04228."3" =Zlatník"]74c\_<4; \kZ04228."3" 0

*Psilopteryx psorosa*\*Mqngpcvk."3: 82+

Nkvt^a tp|^à f c l g^T p q x^m\*3; 7: +0  
Uv g f g x t q r u m "f t w j."x" T"n q m^a n p "x"j q t u m e j"r q v q e|e j."|L k|g t u m e j"j q t"4;" "c"44" "  
\*KZ0/ZK0+0  
r f\qum"xqf p|"p^a f t l g"U q w-"j 9 f\_="R | p^a"xqf c"]44c\_="Uch\{tqx "r q v q m"]44e\_="Lomnice"]49c\_="Ztracený potok ]75c.e\_0

**Nk o pgr j knkpcg<Uv g p q r j {ncekpk**

*Allogamus auricollis*\*Rkevgv."3: 56+

Nkvt^a tp|^à f c l g^T w e m k\*4229+0  
F t w j"t q|-| g p "x"|"a r c f p|"c"u v g f p|"G x t q r ."p c"l k j q x e j q f"c f l"r q"O c m g f q p k k^\*T M c t"r n c p k p w+0  
X" T"d f l p "x"j q t u m e j"r q f j q t u m e j"v q e|e j."x"l k|g t u m e j"j q t^a e j"u g d t^p q"43" "c"7;" "  
\*X K K K 0 / Z 0+ "c"3; "n c t g x 0  
Bukovec"]7c\_<\*N+=Jizera"]43e\_="Krásný potok"]43f\_="R | p^a"xqf c"]44c\_="Jizerka"]44d.f\_="Uch\{tqx "r q v q m"]44e\_="g t p^a"U o f^a"]64d\_0

*Allogamus uncatus*\*Dtcwgt."3: 79+

Nkvt^a tp|^à f c l g^T w e m k\*4229+0  
T q|-| g p"xg"u v g f p|"c"l k j q x e j q f p|"G x t q r "c"x"K v^a n k k 0"X" T"x"j q t u m e j"r q v q e|e j"d f l p "f t w j." x"E J M Q"l k|g t u m^2"j q t{"|l k-v p q"5;" "c"38" "K Z 0 / Z 0+0  
Blatný potok"]6e\_<\*N+= g t p^a" F g u p^a"]9c\_=" g t p^a"j q t c":\_=" g t p^a" P k u c":\_="r f\qum" g t p^2" P k u {"}; d\_="F t c | r q v q m ]35c\_="Harcovský potok"]37c\_="Jedlová"]39f\_<\*N+=r f\qumLg keg"]3; h\_="Ješkrabec"]42c.d\_="r f\qumLg-m t e d e g"]42h\_="Krásný potok"]43f\_="Jizera"]43h\_="R | p^a"xqf c"]44c\_="Jizerka"]44f\_<\*N+=Mariánskohorské boudy"]52\_<\*N+=Velký Štolpich"]68e\_<\*N+=Velká Rybí voda"]72f\_<\*N+0

*Halesus digitatus*\*Uejtcpm."39: 3+

G x t q r u m "f t w j."x" T"j q l p "f t w j"r q v q m "c" | g m."r q r 0" k"xg"u v q l c v e j"x q f^a e j 0"X"l k|g t u m e j" j q t^a e j"|l k-v p"r q w|g"q l g f k p n g 0  
T^q u e x t{d p m"}38d\_<47\kZ04222."4" \*N+=Lqugh x F n"]45e\_<370Z04229."3" =Velký Štolpich"]68e\_<49\kZ04222."8" \*N+0

*Halesus radiatus*\*Ewtvku."3: 56+

X"G x t q r "u"x"l k o m q w"l k j q x e j q f p|j q"D c n m^a p w."x" T"-k t q e g"t q|-| g p "f t w j"x"v g m q w e|e j" x q f^a e j."r |r c f p"x"n k v t^a n w"u v q l c v e j"x q f 0"X"l k|g t u m e j"j q t^a e j"p c n g|g p k"r q w|g"6" "c"9" "  
\*X K K K 0 / Z 0+0

**Blatný potok**]76e\_<N+=" gtp^aPku{"];c\_="r fvqm" gtp^2Pku{"];d\_="Harcovský potok"]37c\_="mqe x"t{dpfm"]38d\_<N+="Jizera"]43e\_="Mariánskohorské boudy"]52\_<N+="Vkej^a" ¶ mc"]69\_0

*Halesus rubricollis*"\*Rkev.gv."3:56+

Rqw|g^nkvgtp^Àfclg<Pqx^a^m^\*3;86+0

Uv gfgqxtqrum "ftwj."x" T^nm^a^np "x"jqtum ej^qdcuvgej0^X^Lk|gtum ej^jqt^a^ej^pgd{n^d jgo" rtqxfgp^2jq^rt |mwow^rtqm^a|^ap0

*Hydatophylax infumatus*"\*OeNcejncp."3:87+

Uv gfp^c^ugxgtp^Gxtqrc."x" T^tq|-¶ gp^rq^egn^2 o^À|go¶."x v-kpqw^ud¶t^ap^l^gfpqvnkx "x"qmqr¶" rqqm 0

**Jizera**]43e\_<320XK0/450XK04225."6" =**Rovný potok**]5;d\_<60XK04224."3" \*N+="Uc um "rqvqm"]63c\_<40XK04229."3" 0

*Melampophylax nepos*"\*OeNcejncp."3::2+

Nkvgtp^Àfclg<Ocnkem{"\*3;;2+0

Ftwj^u^hk^okvqxcp o^ctg^a^ng^o^xg^uv^gfp^Gxtqr ."x" T^x^jqtum ej^rqvqe{ej^d flp ."x^Lk|gtum ej^jqt^a^ej^pcng|gpq^32" "c";" \*KZ0/Z0+0

**Blatný potok**]76e\_<N+=" gtp^aFgup^a]9c\_=" gtp^aPku{"];c\_="Jelení potok"]3;c\_="Ješkrabec"]42c.d\_="Jizera"]43d\_=" R ¶ p^a^xqfc^]44c\_="Jizerka"]44d.f\_0

*Micropterna lateralis*"\*Uvgrjggu."3:59+

Ftwj^tq|-¶ gp "qf^Dtkvm ej^quvtqx "r gu^uv^gfp^c^ugxgtp^Gxtqrw^c^gxtqrumqw" ^uv^Twumc" cfl^rq^Ukdk 0^X" T^d flp "ftwj" oqm cf ."xg^ungf^qxc^2 o^À|go¶|lk-v pq^76" "c^37" " \*X0/XKKK0+0

**Bukovec**]7c\_<N+="Dwmqxe.^rtc o gpk-v ]7d.e\_="r fvqm" gtp^2Pku{"];i\_="mqe x"t{dpfm"]38d\_<N+="Holubí potok ]38e\_="Jizerka"]44d\_<N+." ]4f\_="Mng qx^2^ngwm{" ]46\_="Pertolický potok"]57c\_="Poledník"]58\_<N+="Rovný potok ]5;c\_=" ]5;d\_<N+="T{d¶ngw m{"]62\_<N+="U o tflxum "rqvqm"]66c\_<N+="Mt^up^Oc ¶"]68c\_<N+="Vkej^a" ¶ mc"]69\_=" **Velká Rybí voda**]72f\_<N+=" o qm cf {"w^D¶n^2jq^Rqvqc^]72i\_0

*Micropterna nycterobia*"OeNcejncp."3:97

X^Gxtqr "u^x lk^omqw^ugxgtp^c^ugxgtq|^rcfp^¶ ^auk."Ocn^a^Cukk."Uv gfp^Cukg0" \ " T^luqw" l^gfpqvnkx^2p^ang|{"|t |p ej^v{r " oqm cf "pc^egn^2 o^À|go¶0

Mng qx^2^ngwm{" ]46\_<0XK04224."4" \*N+="330XK04229."3" \*N+="Pc" kj c f g ]53\_<340XK04229."3" \*N+="Velký Štolpich"]68d\_<40XK0422.:."3" \*N+0

*Micropterna sequax*"OeNcejncp."3:97

Ftwj^tq|-¶ gp "x^Gxtqr "c^Ocn^2^Cukk."x" T^ug^x{um{vwl^g^pgrq gvp "pc^xjqfp ej" oqm cfgej" pc^egn^2 o^À|go¶."x^EJMQ^Lk|gtum^2jqt{"|lk-v pq^8" "c^5" \*XKK0/KZ0+0

**Ftc** ¶ r q v q m ]35c\_="mqe x"t{dpfm"]38d\_<N+="Holubí potok"]38e\_="r fvqm^Lg-mtcd^eg"]42e\_="U o tflxum "rqvqm ]66c\_<N+="Velký Štolpich"]68e\_<N+0

*Parachiona picicornis*"\*Rkev.gv."3:56+

Ftwj^ug^x{um{vwl^g^qf^ugxgtp^r gu^uv^gfp^Gxtqrw^cfl^rq^ugxgtp^Dcnm^ap0^X" T^xgn^ok^jqlp " pc^rtc o gpk-v¶ej."xg^ungf^qxc^2 o^À|go¶|lk-v pq^365" "c^75" \*X0/XKK0+0

**Bílý potok**]5d\_=" o qm cf {"w^D¶n^2jq^Rqvqc^]5f\_="Dwmqxe.^rtc o gpk-v ]7e\_=" gtp "rqvqm"]32c\_="Holubí potok

]38c.e.=r fvmLg keg]3;e.=r fvmLg-mt cdeg]42e.f.=Jizera]43c.d.e.=r fvmLk|gt{]43g.=Uchftqx "rqvqm"]44e.=  
Mng qx2"nqwm{"]46.=Mariánskohorské boudy"]52.<.\*N+=Rovný potok"]5;c.=T{d{f"nqw m{"]62.= gtp"U o f"  
]64d.=U o f""]64j.=Šindelový potok"]67c.=Vkej" a" f mc"]69.=rtc o gpk-v "rqf"Vk-kpqw"]72h\_0

*Potamophylax cingulatus cingulatus*\*Uvgr j gpu."3: 59+

Nkvt"atp{Áfclg"Ejxqlmc" ("Pqx"m"4223+)

Gxtqrum "ftwj."x" T"jqlp "x"vgmqwe{ej"xqf"aej."r fgfx-|o"x"tkvt"anw."xg"ungf qxcp2 o"À|g o"fl  
|lk-v pq"58" "c"48" "\*XK0/Z0+)

**Blatný potok**]6e.<.\*N+=**Bukovec, potok**]7f.= gtp"Pluc"];c.= **Jedlová**]39f.<.\*N+=r fvmLg keg]3;h.= **Jizera**  
]43e.<.\*N+=**Jizerka**]44d.f.=Mng qx2"nqwm{"]46.<.\*N+=**Pc" kj c fng]**53.<.\*N+=**Poledník]**58.<.\*N+=**Rovný potok]**5;c.=  
**T{d{f"nqw m{"]62.<.\*N+=U o ftxqum "rqvqm"]66c.<.\*N+=Velká Rybí voda]**72f.<.\*N+=**Velký Štolpich]**68e.<.\*N+=r fvm"  
**Štolpichu]**68m.=**Zlatník]**74d.=**Ztracený potok]**75e\_0

*Potamophylax latipennis*\*Ewtvku."3: 56+

Ftwj"lp"o " |"x v-kp{" |g o"fl Gxtqr{"\*u"x lk o mqw"Kuncp fw."Rqtwi cnumc."Crgpkpum2"jq"rqnq/  
qvtqxc+."Vwtgemc"cm2"|"gUkdk gl"X" T"d flp "x"vqe{ej."xg"ungf qxcp2 o"À|g o"fl{|um"ap"rqw|g"  
pgrq gvp "o cvgtk"an"8" .6" +|qfej{vg o"pc"ux vq"XK0/KZ0+)

gtp"jqt{":<.\*N+=m"qne x"t{dp{m"]38d.<.\*N+=**Jizera**]43e.<.\*N+=**Jizerka**]44f.<.\*N+=**Mng qx2"nqwm{"]46.<.\*N+=  
Rovný potok"]5;d.<.\*N+=T{d{f"nqw m{"]62.<.\*N+=Vápenný vrch"]6;c.<.\*N+=Velká Rybí voda"]72d.<.\*N+=**

*Potamophylax luctuosus*\*Rknngt"gv"Okwgt rce jgt."39: 5+

Ftwj"tq|-|gp "xg"uv gfp{"lkj qx ejqfp"fl Gxtqr "c"vcm2"x"Ocn2"Cukk0"X" T"d flp "qd{x cvgn"  
rqvqm ."x"Lk|gtum ej"jqt"aej"|lk-v pq"43" "c"4" "\*XK0+)

o qm cf{"wD{n2"jq"rqvqm"]5g.=m"qne x"t{dp{m"]38d.=Lg keg]3;c.d.=Ocn"lg keg]3;j.=**Libverdský potok]**48.=  
**Rovný potok]**5;d.<.\*N+=]5;f.=U o ftxqum "rqvqm"]66c.<.\*N+=)

*Potamophylax nigricornis*\*Rkevgv."3: 56+

X um{v"x"Gxtqr "m"tq o "Kuncp fw."Dtkvum ej"qvtq x ."R{tgpplum2"jq"rqnqqvtqxc+c"x"|"a rcfp"fl  
Cpcvqkk0"X" T"-ktqeg"tq|-|gp "ftwj"x"rtc o gpk-v"fej" c"rtc o gpp ej"rqv e"fej."|E JMQ"  
Lk|gtum2"jqt{"|um"apq"3:" "c:" "\*XK0/XKKK0+)

**Bukovec]**7c.<.\*N+=**Dwmqxe."rtc o gpk-v "]7e.=r fvm"ftc {jq"rqvqm"]35e.=Jizera"]43e.=Jizerka"]44d.<.\*N+=  
Mariánskohorské boudy"]52.<.\*N+=T{d{f"nqw m{"]62.<.\*N+=Velká Rybí voda"]72c.<.\*N+=**

*Stenophylax permistus*"OeNcejncp."3: ; 7

Ftwj"tq|-|gp "x"Gxtqr ."Ocn2"Cukk."pc"M{rtw" c"x"Nkdcpppw0"X{um{vwlg"ug"pc"t |p ej" o qm/  
cfgej"x"egn2" T."o cvgtk"an"|E JMQ"Lk|gtum2"jqt{"qducjwlg";" "c"3;" "\*X0/XKK0+)

**Jedlová]**39e." ]39f.<.\*N+=**Ješkrabec"]42k.=Jizera"]43e.<.\*N+=Jizerka"]44f.<.\*N+=Mng qx2"nqwm{"]46.<.\*N+=  
Mariánskohorské boudy"]52.<.\*N+=Pc" kj c fng]**53.<.\*N+=**Poledník]**58.<.\*N+=**Rovný potok]**5;d.<.\*N+=**Velký Štolpich**  
]68d.<.\*N+=)

**Ugtkequvq o cvkfcg**

*Oecismus monedula*\*Jcigp."3: 7; +

Ftwj"tq|-|gp "qf"Dcnm"apw"r gu"Mctrcv{"uv gfp"fl Gxtqrw"rq"Dgnikk0"X" T"nqm"ap "x"rqvqe{ej"  
c" fl m"ej."x"Lk|gtum ej"jqt"aej"|um"apq"7" "c"6" "\*XK0/XKKK0+)

m"qne x"t{dp{m"]38d.<.\*N+=**Holubí potok]**38e.=Ocn"lg keg]3;j.=Mng qx2"nqwm{"]46.=**Velký Štolpich]**68e.<.\*N+=  
**Malý Štolpich]**68g.=r fvm"m"vqrkejw"]68n\_0

*Sericostoma personatum*\*Urgpeg."3:48+

Gxtqrum "ftwj."ej{d l[e]lpg"pc"Dcmm^p "c"Kuncpfw0"X" T"jqlp "pc"rtc o gpk-v[e]j"r"rqvqefej." |g"ungfqxcp2jq"À|g o"|"|um^pq"82" "c"43" \*XK0/XKKK0+0

**Bílý potok**]5c\_="rtc o gpk-v "w" \ncv2"Qng-plcg"]35f\_="Ješkrabec"]42d\_="r" f"vqm"Lg-mtcdcg"]42e.f.g\_="r" f"vqm"Rgmgn-ského potoka"]56f\_="Rovný potok"]5;c\_"]5;d\_<^\*N+= "Velký Štolpich"]68d\_<^\*N+= "rtc o gpk-v "w"J glpke/Hgt flpepfqxc ]68i\_="r" f"vqm"Ocn2jq"m"vqrkejw"]68k\_="Velká Rybí voda"]72f\_<^\*N+= "o qm cf{"w"D"n2jq"Rqvqmc"}72i\_0

*Sericostoma schneiderii*\*Mqngpcvk."3:6:+

Ctg^n"ftwjw"pgp"fqd g"lp a o."wx^f p"lg" |g" |^a rcfp" c"uv gfp" Gxtqr {"c" Dcmm^pw0" \*v^2fl" lcmq" U0"l cxkeqtpg"cwew0"pge"Uejpgkfgt+0"X" T"-ktqeg"tq|-|gp "jncxp "xg"x v-|ej"rqvqefej" c" | m^ej." xg"ungfqxcp2 o"À|g o"|"r qw|g"xg"U o f^0

U o f^a"]64k\_<^390XKK04229."4" .5" \*N+="]64i\_<^360XK0/30XKK04229."3" = "rybník Dubák"]64m\_<^380XKK04229."3" .9" \*N+0

*Notidobia ciliaris*\*Nkppcgwu."3983+

X"Gxtqr "u"x lk o mqw"Cr gpkpum2jq."lkfp" ^"uvk"kdgtum2jq" c" Dcmm^pum2jq" r"qmqquvtqxc0"X" T" nqm^np "jqlp "ftwj"x"vgmqwe"ej" k"uvqlcv ej" xqf^ej." xg"ungfqxcp2 o"À|g o"|"lk-v pq";" " c"8" \*X0/XK0+0

**Holubí potok**]38e\_="Mq k f"rqvqm"]47\_="U o f^a"]64i\_0

## Odontoceridae

*Odontocerum albicorne*\*Ueqrqnk."3985+

X um{v"x"Gxtqr "u"x lk o mqw"ugxgtp" c"ugxgtx ejqfp" ^"uvk" c"lkjxq ejqfp"jq" Dcmm^pw0"X" T" jqlp "ftwj"x"rqvqefej" c" | m^ej." xg"ungfqxcp2 o"À|g o"|"37" "c"9" \*XK0/XKKK0+0

**Bukovec**]7c\_<^\*N+= "mqe x" t{dpfm"}38d\_<^\*N+= "Ješkrabec"]42d\_="Pekelský potok"]56c\_="T{d"nqw m"}]62\_<^\*N+= "r" f"vqm"m"vqrkejw"]68m.p.q\_="Velká Rybí voda"]72d.f\_<^\*N+0

## Molannidae

*Molanna angustata*"Ewtvku."3:56

Ftwj"tq|-|gp "qf"Dtkvum ej"quvtqx ." r gu"uv gfp" c"ugxgtp" Gxtqrw"pc"Ukd0"X"nkvqt^nw" uvqlcv ej"xqf" c"x"mnkfp l-|ej"Áuge"ej"vgmqwe"ej" xqf"x"pkfl-|ej" c"uv gfp"ej" r"qjq^ej"d flp ." xg"ungfqxcp2 o" w|g o"|"lk-v p"pc"lgfkp2"nqmcnk v 0

**rybník Dubák**]64m\_<^380XKK04229."3" \*N+0

## Beraeidae

*Beraea maurus*\*Ewtvku."3:56+

Gxtqrum "ftwj."x" T"jqlp "x"rtc o gpk-v[e]j0" cuv "k"xg"ungfqxcp2 o"À|g o"|"u"x lk o mqw"egpvt^np" ^"uvk"lk|gtum ej"jqt."pcngl"gpq"96" "c"63" \*XK0/XKKK0+0

**Holubí potok**]38c\_="rtc o gpk-v "w"Qnf kejqxc"x" J "l[e]j"]3;k\_="Ješkrabec"]42c.k\_="r" f"vqm"Lg-mtcdcg"]42e.g.h\_="rtc o gpk-v "w"Lg-mtcdcg"]42j\_="rtc o gpk-v "Ejnw o" ]56e\_="Pertoltický potok"]57c\_="Rovný potok"]5;f\_="U o f^a ]64e\_="Malý Štolpich"]68g\_="rtc o gpk-v "w"J glpke/Hgt flpepfqxc"]68j\_="r" f"vqm"Ocn2jq"m"vqrkejw"]68k\_="r" f"vqm"Štolpichu"]68m.n.q\_="Velká Rybí voda"]72e\_="Ztracený potok"]75e\_="rtc o gpk-v ."W"M{ugm{ }75f\_0



*Beraea pullata* \*Ewtvku."3:56+

Gxtqrum "ftwj" \*ej {d"l"l"gp"pc"R {tgpplum2 o "rqnqqvvtqx +0" X" T" xgn o k" jqlp "x" o qm cfgej." r gfgx-Ń o "pc"rtc o gpk-v{ej."rq gvp |cuvwrgp "pc"egn2 o "ungf qxcp2 o "À|g o Ń."| Ńum"pq"368" " c"344" \*X0/XKK0+0

**Bílý potok**]5d\_=" o qm cf {"w" Dn2 j q" r qv qm c"}5f.g\_=" Dwmqxe."rtc o gpk-v ]7e\_=" r Ńv qm" Ftc {j q" r qv qm c"}35e\_=" **Holubí potok**]38e\_="rtc o gpk-v "w" Qnf kej qxc"x" J" a" l" e j"}3;k\_=" o qm cf {"O p f-g m"}3;l\_=" r Ńv qm" Lg-mtcdeg"}42e.f\_=" **Jizera**]43c\_=" **Kamenice**]45l\_=" Mq k {r" r qv qm c"}47\_=" **Libverdský potok**]48\_=" **Pertoltický potok**]57c\_=" **Rovný potok**]5;c.f.\_]5;d\_< \*N+=t {d p f m." O c n" a" U v t c p c"}5;e\_=" rybník **Dubák**]64n\_=" o qm cf." g t p q w u {/X" R q n k"}64 o \_=" **Šindelový potok**]67c\_=" V k e j" a" Ń m c"}69\_=" o qm cf {"w" D n 2 j q" R q v q m c"}72 i \_0

*Beraeodes minutus* \*Nkppcgwu."3983+

Ftwj"tq|-Ń gp "x" Gxtqr "u" x lk o mqw"R {tgpplum2 j q" c" Dc n m" a" p u m 2 j q" r q n q q v v t q x c." | p" a" o "v c m 2" | g" u g x g t p Ń {C p c v q n k g 0" X" T" t q |-Ń gp "r q" e g n 2 o "À | g o Ń" x" v g m q w e Ń e j" k" u v q l c v e j" x q f" a" e j." | t | p e j" n q m c n k v" x g" u n g f q x c p 2 o "À | g o Ń" | l k - v p k" 4" " c" 35" \*X0/XK0+0

**Jizera**]43e\_=" **Rovný potok**]5;c\_=" t {d p f m." O c n" a" U v t c p c"}5;e\_=" o qm cf." g t p q w u {/X" R q n k"}64 o \_0

*Ernodes articularis* \*Rkevgv."3:56+

Ftwj" | p" a" o " | " G x t q r { c" O c n 2" C u k g 0" V { r k e m " q d { x c v g n" m t g p" a" n w. " x" g e j" a" e j" u g" x { u m { v w l g" h q m" a" n p" " p c" x j q f p e j" d k v q r g e j" l g" x - c m" r q g v p +." j q l p l -Ń l g" p c" O q t c x " x" m e t r e v u m e j" r q j q Ń e j 0" X g" u n g f q x c p 2 o "À | g o Ń" d { n | l k - v p" r q w | g" x" r t c o g p k - v Ń e j" x" P R T" L k | g t u m j q t u m 2" d w k p { \* q e j t c p p 2" r" a" u o q + " c" x" p g l x e j q f p l -Ń" a" u v k" E J M Q." e g n m g o" 42" " c" 6:" \*XK0/XKK0+0

r Ńv qm" Ftc {j q" r qv qm c"}35d\_="rtc o gpk-v "w" \ n c v 2" Q n g - p l e g"}35 f \_=" r Ńv qm" Lg keg"}3; f \_=" r Ńv qm" Lg-mtcdeg"}42e.g.h\_="rtc o gpk-v "r q f" V k - k p q w"}72 h \_=" **Zlatník**]74 d \_0

## Leptoceridae

*Cfkegnnc* "Lnkeqt pku" \*Rkevgv."3:56+

X" Gxtqr \*ok o q" Kuncp fw." Ktunc." Umcp fkp" a" xkg" c" R {tgpplum2 j q" r q n q q v v t q x c + " c" x" u g x g t p Ń {C p c v q n k k 0" X" T" d f l p " f t w j" r t c o g p k - " c" r t c o g p p e j" u v t w f l g m." | " E J M Q" L k | g t u m 2" j q t { " 48" " c" 33" " \*XK0/XKKK0+0

o qm cf {"w" D n 2 j q" r qv qm c"}5f\_=" **Jedlová**]39e\_=" r Ńv qm" Lg keg"}3; f \_=" r Ńv qm" Lg-mtcdeg"}42e\_=" r Ńv qm" M c o g p k e g"}145g\_="rtc o gpk-v "r q f" V k - k p q w"}72g\_=" **Zlatník**]74c.d\_="rtc o gpk-v ." N k d x g t f u m " o q u v"}75d\_=" **Ztracený potok**]75e\_0

*Adicella reducta* \*OeNecjncp."3:87+

X" Gxtqr \*ok o q" Kuncp fw." c" x" | a" r c f p Ń {C p c v q n k k 0" X" g e j" a" e j" d f l p " f t w j" r q v q m " c" Ń g m." p c" O q t c / x " n q m" a" n p = " p c" H t f n c p v u m w" c" x" p k f l - Ń e j" r e t v k Ń e j" E J M Q" | l k - v p q" 39" " c";" \*XK0/XKKK0+0

o qm cf {"w" D n 2 j q" r qv qm c"}5g\_=" r Ńv qm" Ftc {j q" r qv qm c"}35e\_=" Lg keg"}3; c.d\_=" O c n" a" Lg keg"}3; i. j \_=" r Ńv qm" R g m g n - s k é h o p o t o k a"}56 f \_=" **Rovný potok**]5;c.f\_=" U c u m " r q v q m"}63c\_=" U o f" a"}64 f \_=" **Štolpich**]68l\_=" r Ńv qm" M v q n r k e j w }68n\_=" **Zlatník**]74e\_0

*Triaenodes bicolor* \*Ewtvku."3:56+

Ftwj" u" gxtqrum o" tq|-Ń gp Ń o." x" T" jqlp "x" |ctquvn ej" uvqlcv ej" xqf" a" ej" pkfl-Ńej" rqnqj 0" Xg" ungf qxcp2 o "À|g o Ń" d {n" r t q m" a" | p" r q w | g" p c" H t f n c p v u m w 0" **rybník Dubák**]64m\_< 380XKK04229."3" \*N+0

*Ylodes simulans* \*Vlfgft."3;4;+"

U<"RE

Ftwj"tq|-Ń gp "pc" x v-kp "À|g o Ń" Gxtqr {"ok o q" Kuncp fw." Ktunc." R {tgpplum2 j q" c" C r g p k p u m 2 j q" r q n q q v v t q x c + 0" \ " T" l u q w" r w d n k m q x c p 2" p" a" n g | {" r q w | g" | " m q p e g" 3; 0" c" 30" r q n q x k p {" 420" u v q n g v Ń."

rq|f lk|fgpgd{n"x um{v"rqvxt|gp."c"rtqvq"d{n|c c|gp"og|kftwj{x" T"x{o k|gn2\*Ejxqlmc" gv"cn0"4227+0"Vgrtxg"x"rqungfpej"ngvgej"d{nc|pqxwqldgxgpc"rqrwncg"x"|cejqxcn2 o"Augmw" vqmw"Uo f2\*RT"Ogcpft{"Uo f2+"xg"Ht fncpvum2 o"x d flmw0

Uo f^a"]64f\_<";0XKKK04226."3" ="]64k\_<"390XKK04229."32" \*N+="]64l\_<"360XKK0/470XKK04229."8" .3" =40XKK04229."8" .37" =rybník Dubák"]64m\_<"380XKK04229."5" \*N+0

*Mystacides azurea*\*Nkppcgwu."3983+

Rcngctmvkem "ftwj."-ktqeg"tq|-fl gp "xg"uvqlcv ej"kvgmqwefej"xf^a ej"pc"egn2 o"À|g o fl T0 Xg"ungfqxcp2 o"À|g o fl|lk-v pq"36" "c"8" \*XK0/XKKK0+0

Bílý potok"]5d\_="Bulovský potok"]8\_="Mque x"t{dpfm"]38d\_<\*N+=Uo f^a"]64f.l\_="v Nq o"]64h\_="t{dpf gm."Jqtpf" Nw cp{"]66e\_="Štolpich"]68r\_0

*Mystacides longicornis*\*Nkppcgwu."397:+

Rcngctmvkem "ftwj0"X" T"jqlp "ftwj"rtghgtwl{e"fl"uvqlcv2"xf{"pkfl-fej"rqnj." g o wfl"qfrqx"fl" f^a k"x um{v"xg"ungfqxcp2 o"À|g o fl"p^a ng|"gzg o rn^a g"x"RT"t{d"fl"nqw m{"lg"rtcx f r q f q d p "p^a j q f / p +."egmng o|lk-v pq": "c"7" \*XK0/XKKK0+0

T{d"fl"nqw m{"]62\_<\*N+=Uo f^a"]64k\_<\*N+=rybník Dubák"]64m\_<\*N+=Vesecký rybník"]73d\_0

*Athripsodes bilineatus*\*Nkppcgwu."397:+

Ftwj"qdgpe "tq|-fl gp "x"Xgtqr "c"|cucjwl{e"fl"cf"l"fq"Uv gfp"fl"Cukg0"X" T"jqlp "qd{xcvgn"rqvqm "c" fl gm."xg"ungfqxcp2 o"À|g o fl|lk-v pq"5;" "c"49" \*XK0/XKKK0+0

Holubí potok"]38e.f\_="Pekelský potok"]56d\_="r fvqm"Rgmgnum2 j q"rqvqmc"]56f\_="Pertoltický potok"]57c\_="Uo f^a ]64f.g.l\_="Malý Štolpich"]68g\_="Štolpich"]68l.r\_="r fvqm"vqrkejw"]68n\_="Vesecký potok"]73c\_0

*Athripsodes cinereus*\*Ewtvku."3:56+

\^arcfqrncgctmvkem "ftwj0"X" T"d flp "x"pkfl-fej"rqnj^a ej"r gfgx-fl o"x"vgmqwefej."cng"l"xg"uvq/ lcv ej"xf^a ej0"p c"Ht fncpvumw"rqw|g"pc"fqnp"fl o"vqmw"Uo f20

Uo f^a"]64k\_<"390XKK04229."3" \*N+="]64l\_<"40XKK04229."3" 0

*Ceraclea albimacula*\*Tcodwt."3:64+

Rcngctmvkem "ftwj."x" T"tq|-fl gp "x" gm^a ej"pkfl-fej"rqnj0

Uo f^a"]64k\_<"390XKK04229."3" \*N+=rybník Dubák"]64m\_<"380XKK04229."4" .9" \*N+0

*Ceraclea dissimilis*\*Uvgr j gpu."3:58+

Gxtqr um "ftwj."x" T"jqlp "r gfgx-fl o"x"vgmqwefej"xf^a ej"pkfl-fej"rqnj0"X-gej gp"|fl umcp " o cvgtk^a n"34" .4;" .XKK0/XKKK0+"r qej^a |fl"rtcx f r q f q d p |g"Uo f20

Mque x"t{dpfm"]38d\_<\*N+=Uo f^a"]64k\_<\*N+="]64l\_="rybník Dubák"]64m\_<\*N+0

*Ceraclea senilis*\*Dwt o gkuvgt."3:5;+" U<"GP

Ftwj|p^a o "l"Gxtqr{"Ocn2"Cukg."t^a pw" c"Ukdk g."x um{v"lg"wx^a f p|g"uvqlcv ej"xf"p"fl k p0 \ " T"luqw"p^a ng|{"|rqungfpej"fqd{"urqtcfkem2\*pcr 0"Dqj fcp g um "t{dpfm."t{dpfm"w"Uncvk cp+" c"ftwj"d{n"mncukLmqx^a p"lcmq"qj tqflgp \*Ejxqlmc"gv"cn0"4227+0

oqm cf." gtpqwu{/X"Rqk"]64 o\_<"470XKK0/390XKK04229."3" 0

*Oecetis lacustris*\*Rkeyv."3:56+

Rcngctmvekem "ftwj."|cucjwlf|e|k"fq"qtkgpv^np| "p{0"X" T"jq|p "xg"uvqlcv ej"xqf^ej"x"pkf|-fej" c"uv gfp|ej"rqnj^ej."|f|um^pq"7" "c"37" "\*XK0/XKKK0+0" Lgfpqvxkx2"Anqxm{"pc"ux vng" xg" xtejqnx ej"rctvk|ej"Lk|gtum ej"jqt"luqw"p^ajqfp20

Uqne x't{dp|fm}38d\_<\*N+=Uo f|qxm "rqvm"66c\_<\*N+=Vkej^" f|mc"169\_<\*N+=Zlatnik"74d\_0  
\*Jizerka"44d\_<\*N+=Mariánskohorské boudy"52\_<\*N+=Pertoltický potok"57c\_="rybník Dubák"64m\_<\*N+=Uo

*Oecetis notata*\*Tc o dwt."3:64+

Rcngctmvekem "ftwj."wx^a f p "lcmq"qd{xcvgn}|ctquvn ej"vgmqwe|ej"kvqlcv ej"xqf"p|f|kp0"X" T" nqm^np|."x v-kpqw"ud|t^a p"x"qmqn| "f| gm"c" gm0

rybník Dubák"64m\_<"380XKK04229."3" "\*N+0

*Oecetis ochracea*\*Ewtvku."3:47+

Jqncmvekem "ftwj."x" T"-ktqeg"tq|-|f| gp "xg"uvqlcv ej"xqf^ej"cqo cnglk"vgmqwe|ej"Augē|ej" gm0  
Pc"p|f|g"rqnf|gp ej"nqmcnk^ej"ungf qxcp2jq"À|g o|f|lk-v pq"37" "c"32" "\*XKK0/XKKK0+0

Uqne x't{dp|fm}38d\_<\*N+=Uo f^"64\_<\*N+=rybník Dubák"64m\_<\*N+=Veseký rybník"73d\_0

*Oecetis testacea*\*Ewtvku."3:56+""

U<"GP

Rcngctmvekem "ftwj."rqfng"nkvt^tp|ej"Àfcl "x^a|a p "pc"uvqlcv2"kvmqwe|ej"xqf{"p|f|kp0"X|jngfg o" m"qlgfkp n o p^ang| o"x" T"qf"rqnxkp{"420"uvngv|d{n"ftwj" c|gp"og|k"qj"tqf|gp2"Ejxqlmc" gv"cn0"4227+."|"rqungf p|fqd{"luqw"p^o2"p^ang|{"pcr 0|"lkf|p|ej" gej."Àfqm|R-qxm{"pc"mqm|p/ umw"cp|p|k|"Ht fncpvum2jq" x d flmw0

Uo f^"64\_<40XKK04229."5" .3" =rybník Dubák"64m\_<"380XKK04229."4" .6" \*N+0

### \jqfpqegp|x ungf m

Xg"ungf qxcp2 o"À|g o|f|d{nq"x"qdfqd"3; ;:6422:"|lk-v pq"354"ftwj "ejtquv|m .v10"74" ' "pc-|" hcwp{0"X"E JMQ"Lk|gtum2"jqt{"d{nq"pcng|gpq"336"ftwj .x gvp "ftwjw"Hydropsyche bulgaromanorum."mvgt "lg"x^a|a p"pc"xgnm2" gm{"c"pgn|g"jq"rq |vcv"m"hcwp "Lk|gtum ej"jqt."c"fcn-|fej" v "ftwj" \*Hydropsyche bulbifera."Lepidostoma hirtum."Ceraclea dissimilis+wnqxp ej"xflf{" x"lgfpqvxkx2 o"gzg o rn^a k|pc"ux vng."mvt2"rqej^a|gl|"rtcx f r qf qd|"vqm "x"rqfj "f|Lk|gtum ej" jqt0"Peqrcm"pgd{n"rqvxt|gp"x um{v"lkf" f |xg"Pqx^mg o "3;86+|"lk-v p2jq"ftwjw"Halesus rubricollis0" \ "Ht fncpvum2"rcjqtmcv|p{"d{nq"rtqm^a|a pq"8:"ftwj .|"vjq"3:"ftwj \*Glossosoma boltoni."Hydroptila sparsa."Orthotrichia costalis."Agraylea sexmaculata."Holocentropus picicornis."Neureclipsis bimaculata."Oligostomis reticulata."Silo piceus."Lepidostoma basale."Sericostoma schneiderii."Molanna angustata."Triaenodes bicolor."Ylodes simulans."Athripsodes cinereus."Ceraclea albimacula."C. senilis."Oecetis notata" c"O. testacea+pgd{nq|lk-v pq"x"Lk|gtum ej"jqt^ej"z v-kpqw"ug"lfp^a"q"ftwj {"x{"um{vwl|e|f|ug"x"pkf|-fej"pcf o q um ej" x -m^ej"pgdq"x^a|cp2"pc"x v-|vqm{0

R k'rtqxfgp2 o"x |mw o w d{n"rtqm^a|a p"x um{v"fgugv|x|^a ep ej"ftwj .mvt2"luqw|c c|gp2" fq" gtxgp2jq"ug|pc o w"qj"tqf|gp ej"ftwj "dg|qdtcm ej" T"\*Ejxqlmc"gv"cn0"4227+0" Ftwj." Wormaldia pulla."Polycentropus irroratus."Plectrocnemia geniculata."Hydropsyche fulvipes." H. tenuis" c"Agrypnia pagetana"d{n{"pcng|gp{"x"E JMQ"Lk|gtum2"jqt{"Oligostomis reticulata." Ylodes simulans."Ceraclea senilis" c"Oecetis testacea"pc"Ht fncpvum0

\g\utqxp^pfl|lk-v p^2jq^rq vw^ftwj "u"x ungfmc{"qdfqdp ej"x |mw o "x"lkp ej"jqtum ej" qdncuvej"x" T^\*Mtmqpg-g^o";:ftwj ^\*TMrc gm^4226+.E JMQ^Qtnkem^2;jqt{"o^333^ftwj ^\*Ocegmn gv^cn0^4227+.^TMw o cxc^o^378^ftwj ^\*Pqx^am^3;;8+.^Pqxqjtcfum^2;jqt{"o^96^ftwj ^\*Pqx^am^3;93++ x{rn x^a.^flg^rtqxfgp "rt |mw o"d{n^fqvcvg p "tgrtg|gpvcvxp^c"fqd g"ejctcmvgtk|wlg^hcvpw ungfqxc^2^qdncuvkl)

Pgljqlp l-fok^ftwj {"x"Lk|gtum ej"jqt^a^ej"luqw^Crcvcpkc^"Lodtkvc^\*39.; " "gzgo rn^a "+" c^Drusus annulatus^\*:7 " "gz0+.^urqmw^u^fcn-f|ok^ftwj {"\*pcr 0^Drusus discolor.^Chaetopterygopsis maclachlani.^Pseudopsilopteryx zimмери.^Psilopteryx psorosa.^Allogamus uncatus c^Melampophylax nepos+^luqw^ejctcmvgtkuvkem^2^rtq^rqvqm{"xg^xtejqnx ej"rctvk^fej"E JMQ0^ X^v ejvq^rqvqefej^lg^rq gyp |cuvcwrgpc^tqxp fl^Plectrocnemia conspersa^\*5.2 " "gz0+.^mvgt^a^ ug^qx-g o"x{um{vwlg^k^x^p^flg^rqnqflgp ej"rqvqefej^c^rtc o gpg ej^0^X^rqvqefej^x^pkfl-fej^rqnqaj^a^ej ungfqxc^2^jq^A|g o^fl^lg^xgn ok^jqlp "Tinodes rostocki^\*5.7" "gz0+0)

V{rkem ok^dkvqr {"p^ajqtp^rnq-kp {"Lk|gtum ej"jqt^luqw^tc-gnkpk-v "ug^urgekLemqw^hcv/pqw^ejtquv^m 0^X^f {uvtqhp^fej^xqf^a^ej"fq okpwl^ftwj {"Linnephilus coenosus^\*7.4 " "gz0+ c^Rhadicoleptus alpestris^\*5.5" "gz0+^c^x{um{vwl^fl^ug^|fg^fcn-f| "auvwrek^nggf^Nk o pgr jknkfcg^\*Linnephilus^ur r0.^Grammotaulius nigropunctatus+^c^Rjt {icpgkfcg^\*r gfgx-f| o^Oligotricha striata+0^X^PRT^Tc-gnkpk-v "Lk|gt {"mvgt^a^|c jtpwlg^uvqlcv^2^tc-gnkpp^2^xqf {"c" gmw^Lk|gtw^c^lg^fl^ r ^vqm {"d{nq^pcng|gpq^5:"ftwj "ejtquv^m 0)

\ jngfkumc^hcv {"Vtkejqrvtg^rcv ^m^pglepp l-f|o "nqmcnk^a o "pc^A|g o^fl^E JMQ^Lk|gtum^2^ jqt {"rqvqm {"c^rtc o gpk-v "x^rqxqf^fl^TMvqrkejw^c^Xgm^2^T {d^fl^xqf {"v10^ o qm cf {"pcej^a |gl^fl^ ug^x^qejtcpp^2 o "r^a u o w^PRT^Lk|gtumqjqtum^2^dw kp {"mf g^d{nq^|lk-v pq^cul^72^ftwj ^\*x gyp " x|^a^ep ej^Wormaldia pulla^c^Plectrocnemia geniculata+0^Fcn-f|ok^jqfppv ok^o qm cf {"luqw^ jqt^fl^vqm^rqvqmc^lg-mtcdg.^ncvp^fmw^c^Ftc ^jq^rqvqmc.^lgk^ej^r ^vqm "c^r kngjn ej^rtc o gpk- " x^lkjxq ejqfp^fl^ "auk^E JMQ^|cucjw^fl^fl^fq^Xkn^2 o qxum^2^jqtpcv^k^p {"Mtmqpg-g^c^Mtmqpg-um^2^jq^ r qfj ^0^Rtqm^a|^pq^|fg^d{nq^64^ftwj .^rqw|g^pc^v ejvq^nqmcnk^a^ej^d{n {"lk-v p|^ftwj {"Syn- agapetus iridipennis^c^Hydropsyche fulvipes0)

X^RT^Ogcpft {"U o f^2^pc^Ht fncpvumw^|c jtpwl^fl^fl^ gmw^U o fqw.^t {dp^m^Fwd^a^m^c^r kngjn^2^ o qm cf {"d{nq^|c|pc o gp^a^pq^5;"ftwj .^x gyp "x|^a^ep ej^ftwj "Ylodes simulans^c^Oecetis testacea0)

Rqf mqx^a^p^fl^Rqf mqx^a^p^rcv ^r gfgx-f| o^R^Xqpk mqxk^c^L0^Rtqkngtqxl^|c^qd vcxqw^c^cuqx p^a^tq pqw^rt^a^ek^x^vgt^2^pw.^ ud t^tq^u^a^jn^2^jq^o^cvgtk^nw^c^lgj^qtq|v ^fl^p^fl^c^egpp "rq gyp "ocvgtk^a^ejtquv^m "f mwlk^f^fcn-f| o^mqngi o.^r gfgx-f| o^ H^Mtc o rqnqk^c^L0^Lgflmqxl0^TMrc mqxk^f^mwlk^|c^fqrn w^fl^e^fl^kphq^o^ceg^q^x um{vw^htgx^ejtquv^m "xg^ung^fqxc^2 o^A|g o^fl^ R^Xqpk mqxk^l^ug o^xgnk^g^|cx^a|^p|^c^rq o qe^c^egpp^2^tc f {"r k^r ^rtcx "r fur xmw0^R^Mq o|^mqxk^f^mwlk^|c^mq o gpv^a^ m^twmqrkuw0^Rt^eg^d{nc^x^t^tceqx^a^pc^x^t^o^ek^x |mw o p^2^jq^|^a o tw^OM^ T^\*OM22224549423+0)

## NKVGTCVWTC

E J X Q L M C^R0 ("MQO \ f^M^R0^422:<Vjg^jkuvt {"cpf^rtgugpv^uvcv^qh^Vtkejqrvtg^tgugetej^kp^vjg^E|gej^Tgrwdnkell Ferrantia.^77^o^33/430)

E J X Q L M C^R0 ("PQX f^M^M0^4223<Cf^fklvqpu^cpf^eqtgevqpu^v^vjg^ej gemknv^qh^Vtkejqrvtg^\*Kpugewc^htq o^vjg^E|gej^ cpf^Unqxcm^Tgrwdnkell Acta Mus. Nat. Pragae, Ser. B, Hist. Nat..^78^4222+<325/3420)

E J X Q L M C^R0 ("PQX f^M^M0 ("UGFN f^M^G0^4227<Vtkejqrvtg^c^ejtquv^lek+.^rr0^38:/3930^Kp<HCTMC "L0.^MT f^N^F0 (^TMQTR^M^O0^\*gfu+^ gtxgp "ug^pc o^qj^tq^gp ej^ftwj " gum^2^tgrwdnkell^0^Dg^qdtcm^fl^Tgf^nkun^qh^j^tg^cvg- ned species in the Czech Republic. Invertebrates0^C i gpwte^qejt^cp|^r ^tqf {"c^mtcl^k|^ T.^Rtcj.c.^982^rr^\*k^p^ E|gej^cpf^Gp^nkuj+0)

NCPFC^X0 ("UQNF f^P^W03;:;<Tq|^fl^gp^fl^ "fw^Grjogotqrvtg^c^x^ UUT^u^qjngfgo^pc^mxcnk^w^xqf^0^The distribution of the order Ephemeroptera in Czechoslovakia with respect to water quality+0^Uvw^fkg^ UCX^390^Cecf^g^ok.^ Rtcj.c^\*k^p^E|gej.^Gp^nkuj^uw o o^0+0)

OCEGMLO. E J XQLMCR0 ( LGfGML04227<32hgv'gpiq o qnq ikem2 jqt'x |mw o w'x' E J MQ'Qtnkem2 jqt{\*3 ; ;664226+0  
 |Vgp{\*gct'qh'gpvq o qnq ikem' t'gugctj'kp'vjg'Qtnkem2 jqt{\*RNC\*3 ; ;6/4226+0/Panorama. Fqdt2.'35<327/334'  
 \*kp'E|gej+0

OCNKEM [ 'J0'3 ; ;2<Tgxkukp'fgt' I cwwpi' Ogn o rqrj {ncz'Uej okf.'3 ; 77\*Vtkejqrvtg. Nk o pgr jnk fcg+0/Nachricht-  
 tenblatt der Bayerischen Entomologen.'5 ; <3/350

PQXfM'M0'3 ; 7 ; <Pqx2'p'ng |'ej' tqu' m |' gej' \*Vtkejqrvtg+0\*Pgwg'Vtkejqrvtgphwpfg' cwu'D3'j o gp+0' cul' u0'  
 Spol. Entomol.. '77<5 : 2/5 : 4' \*kp'E|gej. ' Igt o cp'uw o o+0

PQXfM'M0'3 ; 84<Fkg'Xgdtgkwpi' fgt' Ctvgp' fgt' I cwwpi' Tj {ceqr jknc' Rkev0'kp'D3'j o gp' \*Vtkejqrvtg+0' cul' u0'  
 Spol. Entomol.. '7 ; <472/4870

PQXfM'M0'3 ; 86<Dgkvtci' |wt' Mgppvpku' fgt' M3'ejgt' hki gip' D3'j o gpu' \*Vtkejqrvtg+0' cul' u0' Urqm0' Gpvq o qm0.' 83<  
 49 ; /4 : 50

PQXfM'M0'3 ; 93<Vtkejqrvtg' Pqxjctcfum' ej' jqt0' \*Fkg' M3'ejgt' hki gip' fgu' Igdktigu' Pqxjctcfum2' jqt{\*Vtkejqrvtg+0'  
 Udq0' Lk'j g u0' Ow'0'x' g u0' Dwf lqxke'ej.' R' f0'X ff.' 33.' Uwr n0' 3<67/73' \*kp'E|gej. ' Igt o cp'uw o o+0

PQXfM'M0'3 ; 95<Fkg' Vtkejqrvtgphwpc' fgt' Vuejgej qnqy cmgk0' Folia Ent. Hung.. '48' \*Uwr n0+<533/5380

PQXfM'M0'3 ; ; 8<Hcwpc' Vtkejqrvtg' m'w o cx {0' \*Fkg' Vtkejqrvtgphwpc' k' o' D3'j o gty cnf+0' Udq0' Lk'j g u0' Ow'0'x' g u0'  
 Dwf lqxke'ej.' R' f0'X ff.' 58<73/83' \*kp'E|gej. ' Igt o cp'uw o o+0

RTWPGT' N0' ( " O' M' C' R' 0' 3 ; ; 8<Ug |pc o' qde' c' lgl' k' j' " av' x' gum2' tgrwdnke' u' ' fun { " ocrqx ej' rqn' rtq' u' qx2'  
 o crqx p' hcp {0' Nkuw' qh' ugvng o gpu' kp' v' j' g' E |gej' Tgrwdnke' y kv j' cuuqekcvgf o cr' Lgn' f' eqf' gu' hqt' hcpukve' i' tkf'  
 o cr rkp i' u' {wg o +0' Klalalekiana. '54' \*Uwr n0+<3/337' \*kp'E|gej. ' Gp i' nukuj' uw o o+0

TWEMKLO4229< Ocmq |qqdgpvqu' f' nqw' j' f' qd' uwgf' q' x' p' ej' v' qm' u' t' |p o' u' w' r' p' o' q' n' k' x' p' p' f' c' v' o' q' u' h' 2' t' k' e' m' q' w' c' e' k' f' k' E' n' c' e' f' 0'  
 Oueh. ' f' k' r' n0' r' t' eg. — uv' c' x' fl' x' q' u0' r' t' q' u' 0. ' R' f' 0' h' c' m' l' W' p' x' d' M' e' t' n' q' x' { . ' R' t' e' j' c' \*kp'E|gej+0

U MQTC' L0' 3 ; 84<Uq o g' t' g o c' t' m' u' q' p' v' j' g' f' k' u' v' t' d' w' k' v' q' q' h' v' j' g' i' g' p' w' u' V' k' p' q' f' g' u' p' E |gej' q' n' q' x' c' m' k' c' p' f' f' g' u' e' t' k' r' v' k' q' p' h'  
 V' k' p' q' f' g' u' m' k' o' o' k' p' u' r' 0' p' l' Acta Faun. Ent. Mus. Nat. Pragae. ' : < : 9 ; / 20

™RC GM'LO4226< Lgrkeg' \*Grjg o g' t' r' v' r' g' t' c' + . ' r' q' - x' c' m' f' \*Rngeqrvtg' c' + ' e' j' t' q' u' f' e' k' \*Vtkejqrvtg' c' + ' M' m' q' p' q' - o' f' k' x' g' t' / k' v' c' .'  
 t' g' m' q' u' v' t' w' e' g' ' u' r' q' n' g' p' w' i' x' c' d' k' q' p' f' l' a' n' e' g' . ' c' e' k' f' k' E' n' c' e' f' 0' Oueh. ' f' k' |g' t' 0' r' t' eg. ' M' e' v' g' f' t' c' |q' n' q' i' k' g' c' m' q' n' q' i' k' g' . ' R' f' 0'  
 h' c' m' l' O' u' c' t' { m' 0' w' p' k' x' 0 . ' D' t' p' q' \*kp'E|gej+0

VQOCU' G YUMK' Y0' 3 ; 54<Dgkvtci' |wt' Mgppvpku' fgt' Vigt ygnv' Ue jngukuejgt' Dgti d@ejg0 Abhandlungen der Natur-  
 forschenden Gesellschaft zu Görlitz. '53' \*5+<3 / 2 . ' : 2c/h0

XQPK MCR0422 : <Gpiq o qnq ikem' x |mw o Lk |gtum' ej' jqt' c' Ht fncp' v' m' c' x' h' g' v' e' j' 4222/42290' Gpvq o qnq ikem' u' w' t' x' g' f' |  
 qh' v' j' g' Lk |gtum2' jqt { " Ov u' c' p' f' Ht fncp' v' t' g' i' k' q' p' k' p' 4222/4229+0' Udqtp0' U' g' x' g' t' q' g' u' 0' w' / 0 . ' R' f' 0' X' f' f' . ' N' k' d' g' t' e' . ' 48<  
 5/34' \*kp'E|gej. ' Gp i' nukuj' uw o o+0

XQPK MC' R0 ( " Xk™ f' M' T0' 422 : < " m' m' c' f' p' e' j' c' t' c' m' y' g' t' u' k' v' m' c' |m' q' w' o' c' p' 2' j' q' à |g' o' f' Lk |gtum' ej' jqt' c' Ht fncp' v' m' c' 0'  
 \* I' g' p' g' t' c' e' j' c' t' c' e' v' t' k' u' v' e' q' h' v' j' g' u' w' f' f' { " c' t' e' g' k' u' f' v' j' g' Lk |gtum2' jqt { " Ov u' c' p' f' Ht fncp' v' t' g' i' k' q' p' +0' Udqtp0' U' g' x' g' t' q' g' u' 0'  
 O' w' / 0 . ' R' f' 0' X' f' f' . ' N' k' d' g' t' e' . ' 48<35/55' \*kp'E|gej. ' Gp i' nukuj' uw o o+0

UWO OCT [

Vjg'ecf' fku | { " h' c' w' p' c' q' h' v' j' g' Lk |gtum2' jqt { " Ov u' c' p' f' v' j' g' Ht fncp' v' t' g' i' k' q' p' \*p' q' t' v' j' g' t' p' D' q' j' g' o' k' c' .'  
 E |gej' Tgrwdnke' + y' c' u' u' w' f' k' g' f' f' w' t' k' p' i' 3 ; ; ; 6422 : 0' Vjg' u' w' f' { " c' t' e' g' k' u' f' g' u' e' t' k' d' g' f' k' p' f' g' v' c' k' n' d' { " X' q' p' k' /  
 m' c' ( " X' k' - a' m' \*422 : +0' U' r' g' e' k' c' n' c' w' g' p' v' k' q' p' y' c' u' r' c' k' f' v' q' v' j' g' Lk |gtum2' jqt { " R' t' q' v' e' g' v' f' N' c' p' f' u' e' r' g' C' t' e' g' c'  
 \*RNC+\*k0' g' 0' n' q' e' c' n' k' v' k' u' p' q' 0' 4 . ' 5' c' / g' . ' 6' c' / f' . ' 7' c' / f' . ' 9' c' / f' . ' . ; c / i . ' 32' c' / e . ' 33 . ' 34' c' . d . ' 35' c' / g . ' 36 . ' 37' c' / f . '  
 38' c' / f . ' 39' c' / f . ' 3 : c . d . ' 3 ; c / l . ' 42' c' / g . ' 43' c' / i . ' 44' c' / f . ' 45' c' / j . ' 46 . ' 48 . ' 49' c . d . ' 4 : c . d . ' 4 ; . ' 52 . ' 53 . ' 55' c' / f . '  
 58 . ' 5 : . ' 5 ; c / f . ' 62 . ' 64' c' / f . h . ' 65 . ' 66' c' / e . ' 67' c . d . ' 68' c / r . ' 69 . ' 6 : c . d . ' 6 ; . ' 72' c / i . ' 74' c . d . ' 75' c / i + ' u' g' x' g' t' c' n'  
 n' q' e' c' n' k' v' k' u' \*42h' / k . ' 45' k . l . ' 54 . ' 59 . ' 73' c . d . ' 74' e + ' c' t' g' u' k' w' c' v' g' f' k' p' v' j' g' e' n' q' u' g' x' k' e' k' p' v' { " q' h' v' j' g' Lk |gtum2' jqt { "  
 RNC0' K' p' x' g' u' v' i' c' v' k' p' u' y' g' t' g' u' w' r' r' c' d' o' g' p' v' g' f' y' k' v' j' " t' g' e' q' t' f' u' h' t' q' o' v' j' e' Ht fncp' v' t' g' i' k' q' p' \*Ht fncp' v' m' c' a'  
 r' c' j' q' t' m' c' v' k' p' c' J' k' n' u' + \*n' q' e' c' n' k' v' k' u' 3' c . d . ' 8 . ' 47 . ' 49' e . f . ' 56' c' / f . ' 57' c . d . ' 63' c . d . ' 64' g . i / o + . " o' c' k' p' i' { " h' t' q' o' "  
 v' j' g' O' g' c' p' f' t' { " U' o' f' 2' P' c' w' i' t' g' T' g' u' g' t' x' g' \*y' g' v' n' c' p' f' u' c' n' q' p' i' v' j' g' U' o' f' a' t' k' x' g' t' o' n' q' e' c' n' k' v' k' u' 64' k' n' 0' V' j' g'  
 n' k' u' v' q' h' n' q' e' c' n' k' v' k' u' k' p' e' n' f' w' g' u' c' e' q' o' r' n' g' v' g' E |gej' p' c' o' g' \*c' d' d' t' g' x' k' c' v' g' f' p' c' o' g' u' c' t' g' k' p' d' q' n' f' + ' h' q' m' n' y' g' f'  
 d { " c' n' k' v' w' f' g' . ' e' q' n' g' e' v' k' p' i' o' g' v' j' q' f' \*h' q' t' c' d' d' t' g' x' k' c' v' k' p' u' u' g' g' d' g' n' n' y' + . " f' c' v' g' q' h' e' q' n' g' e' v' k' p' c' p' f' p' c' o' g' q' h'  
 e' q' n' g' e' v' q' t' \*H' M' o' H' D' M' t' c' o' r' n' n' i' v' 0 . ' L' L' o' L' 0' L' g' l' g' m' n' i' v' 0 - ' L' R' o' L' 0' R' t' g' k' u' n' g' t' n' i' v' 0 - ' R' E' j' o' R' 0' E' j' x' q' l' m' c' n' i' v' 0 .'  
 R' X' o' R' 0' X' q' p' k' m' c' n' i' v' 0 . " \ J' o' \ 0' J' q' k' e' m' a' n' i' v' 0 +0

Cfwnv' ecf' fku |kgu' \*32.2 ; 7' urgek o g' pu' + y' g' t' g' e' q' n' g' e' v' g' f' d { " u' y' g' g' r' k' p' i' \*U' Y' + . " c' v' n' k' i' j' v' \*N' + . "  
 c' p' f' d { " f' k' h' g' t' g' p' v' { r' g' u' q' h' v' t' r' c' u' \*O' c' n' c' k' u' g' v' t' c' r' o' O' V . " e' q' o' d' k' p' g' f' |k' i' j' v' v' t' c' r' o' E' H' V . " { g' n' n' y' r' c' p' "

vtcru"ó" [ RV." r { tc okfcñ"vtcr"ó"R [ T." g o g t i gpeg"vtcr"ó"GV+\*ugg"cnuq"Xqpk mc"422: +0"Ugngev" nctxcg\*364"urgek o gpu+ ygtg"kpfgpvkŁgf"htq o "dgpv"jke"uc o rngu"\*DU+0

Cnvq i gv jgt"354"urgekgu"ygtg"tgeqtf"fgf"kp"vjg"uvwf { "ctgcl"Rwdnku jgf"fcvc\* y jgtg"cxckncdng+ cpf"cnñ"pg y"ñqecñkvkgu"\*v j gkt"cdtdgkxcvfg"pc o gu+ctg"ñkvugf"kp"gej"urgekgu"V j g"ec f fku l { "ñcwpç" qh" v j g" Lk | gtum²" jqt { "RNC" eq o r tkugk"332"urgekgu"\*Hydropsyche bulgaromanorum."H. bulbifera."Lepidostoma hirtum."Ceraclea dissimilis"ctg"pqv"kpñwfgf"/"ukp ing"urgek o gpu" ygtg" eqñngevgf"cv"ñki j v+0"Cp"cf fkvkqpcñ"urgekgu."Halesus rubricollis."ycu"tgeqtf"fgf"d { "Pqx"am\*3; 86+0" Ukzv { gki j v"urgekgu"ygtg"ñqwpf"kp"vjg"ñt fncpv"tgikqp."qh"vjg o "3:"urgekgu"\*Glossosoma boltoni."Hydroptila sparsa."Orthotrichia costalis."Agraylea sexmaculata."Holocentropus picicornis."Neureclipsis bimaculata."Oligostomis reticulata."Silo piceus."Lepidostoma basale."Serico stoma schneiderii."Molanna angustata."Triaenodes bicolor."Ylodes simulans."Athripsodes cinereus."Ceraclea alboguttata."C. senilis."Oecetis notata."cpf"O. testacea+"ctg"pqv"mpqyp"htq o "vjg" Lk | gtum²" jqt { "Ovu

Vgp"tctg"urgekgu."kpñwfgf"kp"vjg"tgf"ñkuv"qh" v j t g c v g p g f"urgekgu"qh"kp x g t v g d t c v g u"qh" v j g" E | g e j" T g r w d n k e" \* E j x q l m c" g v" c n 0" 4 2 2 7 +. " c t g" r t g u g p v" k p" v j g" u v w f { " c t g c l" V j g" u r g e k g u" W o r m a l d i a p u l l a." P o l y c e n t r o p u s i r r o r a t u s." P l e c t r o c n e m i a g e n i c u l a t a." H y d r o p s y c h e f u l v i p e s." H. t e n u i s." c p f" A g r y p n i a p a g e t a n a" y g t g" h q w p f" k p" v j g" L k | g t u m ²" j q t { " R N C" c p f" O l i g o s t o m i s r e t i c u l a t a." Y l o d e s s i m u l a n s." C e r a c l e a s e n i l i s." c p f" O e c e t i s t e s t a c e a" k p" v j g" H t f n c p v" t g i k q p 0" V j g" o q u v" k p v g t g u v k p i" t g e q t f" k u" c" t g f k u e q x g t { " q h" Y l o d e s s i m u l a n s" k p" v j g" E | g e j" T g r w d n k e 0" V j k u" u r g e k g u." m p q y p" h t q o" D q j g o k c" q p n { " c e e q t f k p i" v q" M n c r" a n g m 0" L p f k p i u" \* E j x q l m c" ( " P q x" a m" 4 2 2 3 +. " y c u" p q v" e q n n g e v g f" k p" v j g" E | g e j" T g r w d n k e" f w t k p i" v j g" 4 2 v j" e g p v w t { " c p f" y c u" t g i c t f g f" c u" t g i k q p c n { " g z v k p e v" \* E j x q l m c" g v" c n 0" 4 2 2 7 + 0

V j g" o q u v" c d w p f c p v" u r g e k g u" k p" v j g" L k | g t u m ²" j q t { " O v u" c t g" C r e v c p k c" L o d t k e v c" \* 3 9 0; ' " q h" v j g" u r g e k o g p u + " c p f" D r u s u s a n n u l a t u s" \* : 0 7 ' " u r g e 0 + 0" V j g { " c t g." v q i g v j g t" y k v j" D r u s u s d i s c o l o r." C h a e t o p t e r y g o p s i s m a c l a c h l a n i." P s e u d o p s i l o p t e r y x z i m m e r i." P s i l o p t e r y x p s o r o s a." A l l o g a m i u s u n c a t u s." c p f" M e l a m p o p h y l a x n e p o s." v { r k e c n" k p j c d k v c p v u" q h" u v t g c o u" c v" j k i j g t" g n g x c v k q p u" k p" v j g" L k | g t u m ²" j q t { " O v u 0" P l e c t r o c n e m i a c o n s e r s a" k u" c n u q" p w o g t q w u" \* 5 0 2 ' " u r g e 0 +. " d w v" k v" q e e w t u" c n u q" k p" v j g" h q q v j k n n u" c p f" k p" v j g" H t f n c p v" t g i k p p 0" F { u v t q L e" y c v g t u" q h" o q w p v c k p" r g c v d q i u" c t g" f g p u g n { " r q r w n c v g f" d { " L i m n e p h i l u s c o e n o s u s" \* 7 0 4 ' " u r g e 0 + " c p f" R h a d i c o l e p t u s a l p e s t r i s" \* 5 0 5 ' " u r g e 0 + 0" Q v j g t" n k o p g r j k n k f u" \* L i m n e p h i l u s" u r r 0." G r a m m o t a u l i u s n i g r o p u n c t a t u s + " c p f" r j t { i c p g k f u" \* o c k p n { " O l i g o t r i c h a s t r i a t a + " y g t g" c n u q" e q n n g e v g f" k p" v j g u g" j c d k v c v u 0



