

**Tguwvnu"qh"chcwpkuvke"uwtxg{"qh"dggvngu"*Eqngqrvgtc+"kp"Xtcr "Pcvkqpcn"Pcvwtg"
Tgugtxg"E|gej"Tgrwdnke."Pqtvjgtp"Oqtexc."Nkvqxgnum"Rq o qtcx{"Rtqvgevgf"
Ncpfuecrg"Ctgc+"kp"422;**

**X ungf{ "hcwpkuvkem"jq"rt |mw o w"dtqwm "Eqngqrvgtc+"PRT"Xtcr " gum"^a
tgrwdnkc."ugxgtp{"Oqtexc."EJMQ"Nkvqxgnum"Rq o qtcx{"rtqxfgp"jq"x"tqeg"422;**

Oto NAKLÁDAL

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Sciences, Czech University of Life Sciences Prague, Kamýcká 129,

E \ /387"43"Rtcjc"8"ó"Uwej fqn."E |gej" Tgrwdnke="g/ o ckn"pcmnc fcn B | f |0e | w |0e |

**Faunistics, Coleoptera, *Micropeplus longipennis*, *Symbiotes latus*, *Agnathus decoratus*. Xtcr "Pcvkqpcn"Pcvwtg"
Tgugtxg."Nkvqxgnum"Rq o qtcx{"Rtqvgevgf"Ncpfuecrg"Ctgc."E |gej" Tgrwdnke |**

**Cduvtcev<"C"vqcn"qh"742"urgekqu"qh"79"hc o knkgu"ygtg"tgeqtfgf"fwtkp i" c"uwtxg{"qh"dggvngu"*Eqngqrvgtc+"kp"vjg"Xtcr "
Pcvkqpcn"Pcvwtg" Tgugtxg"kp"422; |"V y q"qh"vjg o"ctg"rtqvgevgf"d{"nc y"kp"vjg"E |gej" Tgrwdnke"ó" *Carabus scheidleri*
Panzer, 1799 (Carabidae) and *Oxythyrea funesta* (Poda, 1761) (Scarabaeidae) and a further 42 are included on the
Tgf"nkuv"qh"vjg tgcvgpgf"urgekqu"qh"vjg"E |gej" Tgrwdnke |"V jg"hqmq y kpi"etkvecm |"gpfcpi gtf"urgekqu"ygtg"tgeqtfgf"
Micropeplus longipennis Kraatz, 1859 (Staphylinidae), *Symbiotes latus* Redtenbacher, 1849 (Endomychidae) and
Agnathus decoratus"* I gt o ct."3: 3: +*R {tqej tqkf cg= |**

KPVTQFWEVKQP

Pw o gtqwu"uwvfkgu"jcxg"hqewugf"qp"vjg" |qtc"cpf"hcwpc"qh"vjg"Nkvqxgnum"Rq o qtcx{"Rtqvgevgf"
Ncpfuecrg"Ctgc"*cddtqkxcvgf"cu"NR"RNC+"dw" dggvngu"tg o ckp"kpuiw"Leqgpvn{"uwvfkf." rctvn{"
because a number of studies were only deposited as manuscripts at the administration of LP
RNC"dw" ygtg"pgxgt"hq t o cmn{" rwdnku jgf |

Among the relatively well-studied groups of beetles are the Carabidae (Divoký 1989,
Ocnqjncxc"3; ; 7."Dncjqw-gm"3; ; 9."Vxctf{"m"4222."Pcmn^a fcn"4225."Fgfgm"4226."4228."Jqngc"
4229-"Jqtc"422:="Xgugn "gv"cn |"422; +."vjg"hc o kn {"Uknr jkfcg"*Mq " tgm"3; ; 9+."vjg"Egto d {ekfcg"
* gtp "3; ; +."cpf"ugxgtn"hc o knkgu"qh"cswcve" dggvngu"*Dqwmcn"3; ; 7."3; ; 9c."3; ; 9d."Dqwmcn"
("Vt^axp | gm"3; ; 7."3; ; . "Vt^axp | gm"gv"cn |"3; ; 9+ |"Cf fkvkqpcn" fcv"qp"xctkqwu" dggvngu"ecp"dg"
hqwpf"kp"qvjgt"hcwpkuvke"kp xgpvqtkgu"cpf"geqni kecn"uwvfkgu"*g | i |0."Dg | f mc"4222."Dncjww"3; ; 8."
Jqt k mq"3; 9: c. d."3; ; 4."4224c. d." J qtpk-gt"4222."Lgn"pgm" ("Mwd^a "422; ." Pcmn^a fcn"4228."
422: ."T flk mc" ("X^axtc"3; ; 5." gjqwpgm"3; ; 9."Umcnkem "3; ; 9."Vvh"4223+ |"Vjg" |tu v"tgeqtfu"
of some species for Moravia or even for the Czech Republic from LP PLA have published
d {"Pcmn^a fcn" ("U |tgp uqp"*422: + "cpf" Pcmn^a fcn" ("Rt fgm"*422: + |

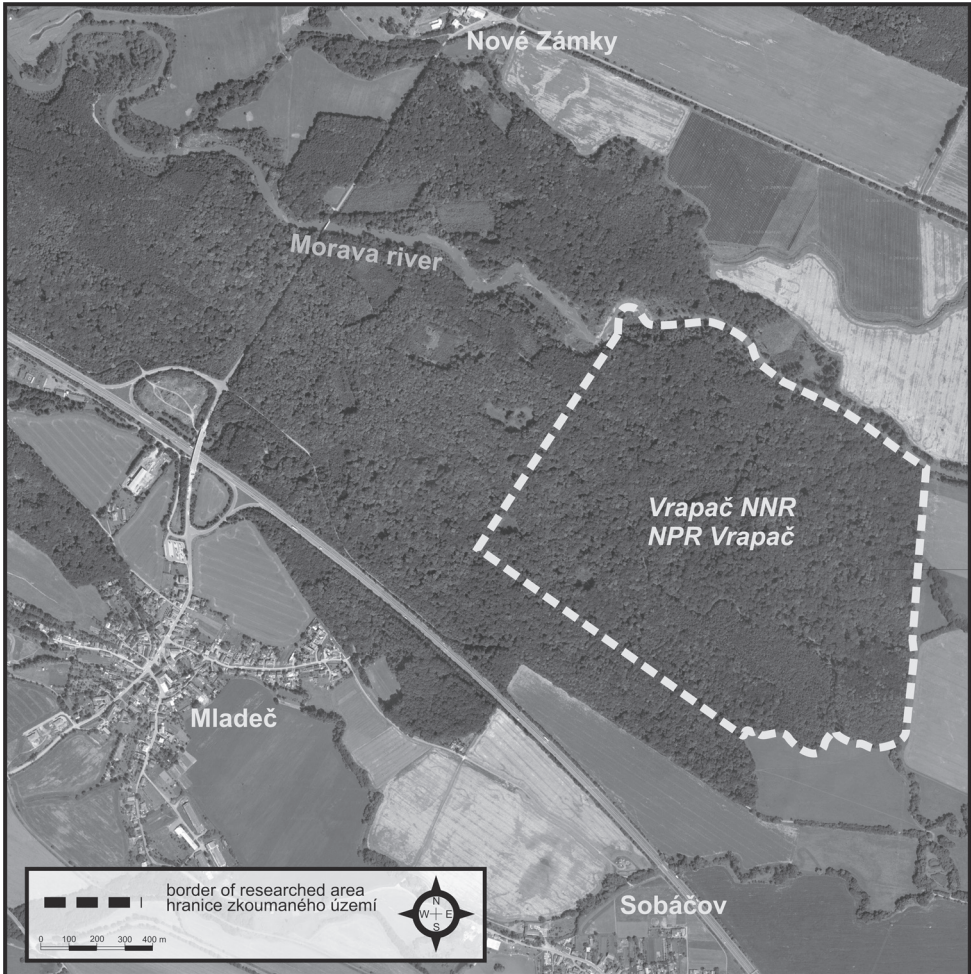
OCVGTkCN"CPF" OGVJQFU

Vjg"ck o"qh"vjku"uwtxg{"y cu"vq"tgeqtf"cu" o cp {"urgekqu"qh" dggvngu"*Eqngqrvgtc+"cu" rquukng."cpf" jgpeg"xctkqwu"
collecting methods were utilized, including individual sampling (especially in the riparian zone of the Morava river

cpf'cswewke'jcdkvcvu+.dgcvkpi'qh'vtggu'cpf'dwujgu.'uyggrkpi.'rvhcm'vteru.'gzeokpewkq'qh'fwpi'cpf'ecttkq.'ukhwkpi'qh'
 qti'cpe'uwduvtcvgu'*gurgecmn{'htqo'cpvjkmnu'cpf'vtgg'jqnnqyu'cpf'dcugu+.pki'j'v'uc'orakpi'htqo'vtggu.'cpf'gzeokpewkq'
 qh'iqqf'fgdtku'kp'vjg'urtkpi'0'Dggvngu'ygtg'cnuq'cwtcevgf'wukpi'o'cwtkpi'e'jggug.'hcmqy'fggt'fwpi.'ecttkq.'tqwkpi'
 hwp'iwu.'hgt'ogp'kpi'cr'ngnu'cpf'vq'nki'jv'0'Rkvhcm'vteru'*ykvj'gvj'ngpg'in{eqn'vq'rtgugtxg'vjg'urgekogpu+'ygtg'ugv'qp'
 90xk0670xk00'and 50xk006:0xk00422;0'Cnq'ijv'gt'vjg'ukvg'y'cu'xkukvgf'56'vk'ogu.'qp'60k0k0.'70k0k0.'360k0k0.'330k0k0.'480k0k0.'50x0.
 90x0.'.0x0.'320x0.'350x0.'360x0.'390x0.'50x0.'90x0.'350x0.'360x0.'380x0.'390x0.'480x0.'490x0.'50x0k0.'70x0k0.'40x0k0k0.'50x0k0k0.'
 90x0k0k0.'.0x0k0k0.'520x0k0k0.'80k0z0.'490k0z0.'50z0.'60z0.'450z0.'80z0k0'cpf'3:0z0k0422;0

Vjg'pq'ogpencwtg'hqnnqyu'N%dn" ("Uogvpc"*4225.'4226.'4228.'4229.'422:.'4232+'gze'rv'htq'Ewte'wnk'qp'q'f'gc'0'
 Vjg'u{wv'og'qh'hco'knkgu'kp'Ewte'wnk'qp'q'f'gc'hqnnqyu'Xqtuv"*4232+0"

Vjg'urgekgu'y'kvj'kp'gcej'hc'okn{'ctg'nkuygf'cnr'jcdgvkecmn{'0'Cm'urgekogpu'ygtg'eqmgevgf'd{'vjg'cwvjqt'cpf'ctg'
 fgr'qkv'gf'kp'jku'rtkxc'v'eqmge'v'kp'0



Hki'0'3'ó'Ocr'qh'Xtcr "Pcvkqpcn'Pcwtg'Tgugtxg0
 Qd0'3'ó'Ocr'c'p'a'tqfp'r'†tqfp'tg'ltx'ceg'Xtcr 0

VjgF{vkuekfcg'ygtgkfgpwlGfd{Lk{J^J^lgnm^Rtcjc.'E|gej'Tgrwdnke+'.J{ftqrjknkfcg'd{'Ocvkp'Hkm^gm^Rtcjc.'E|gej'Tgrwdnke+'.Jkuvgtkfcg'd{Lk{X^X^xtc^Quvtcx.'E|gej'Tgrwdnke+'.Uvcrj{nkpkfcg'd{'RcxgnMt^ugpum^Ejqo'wqx.'E|gej'Tgrwdnke+'.Dwrtgufkfcg'd{'X^v^Mwd^*^Dtpq.'E|gej'Tgrwdnke+'.D{ttjkfcg'd{'Lcp'Ue'jpkfgt^*Rtcjc.'E|gej'Tgrwdnke+'.Vj'tkuekfcg'd{Lk{X^X^xtc.'Gncvgtkfcg'd{'Dq'kxql'\dw|gm^Rtcjc.'E|gej'Tgrwdnke+'.Ecpvjctkfcg.'Qgfg'o'g-tkfcg.'Ogn{tkfcg'd{'Xncfk'o'ft^M^xk'jnc^*Rtcjc.'E|gej'Tgrwdnke+'.Fgt'o'gufkfcg'd{'Lk{J^J^xc^--p'vkeg'w'Rtcj.'.E|gej'Tgrwdnke+'.Rnkpkfcg'd{'Rgt'|\c'jctf'p'f'm^*Vtpqx^'w'Rtcj.'.E|gej'Tgrwdnke+'.Mcvgtgkfcg.'Pkvkwnkfcg'cpf'D{wvtkfcg'd{'Lqugh'Lgn'pgm^*Rtcjc.'E|gej'Tgrwdnke+'.Oqpqv'okfcg.'Uknxcpkfcg.'Neg'o'qr'j'naqkfcg.'Et{rvqr'j'cikfcg.'Gtqv{nkfcg.'Egt{naqkfcg.'Eq{naqr'jkfcg.'Ncvtkfkfcg.'Ekkfcg.'\qr'j'gtkfcg'cpf'Ucnrip'ikfcg'd{'RcxgnRt'fgm^*Dtpq.'E|gej'Tgrwdnke+'.Eqekp'gnkfcg'd{'Xncfk'o'ft^Pcx't^vkn^*Rtcjc.'E|gej'Tgrwdnke+'.Ogn'cpft{kfcg.'Oqt'fgm'kfcg.'C'fgtkfcg.'Uetcr'v'kfcg'd{'Lcp'Jqt^m^*Rtcjc.'E|gej'Tgrwdnke+'.Qtu'q'f'cep'kfcg.'Ej't'u'q'o'gn'kfcg.'C'w'gncdk'fcg.'Dtp'k'fcg'cpf'Ewtew'k'q'k'fcg'd{'Lctq'o'ft^Uvtgl'gm^*Rtcjc.'E|gej'Tgrwdnke+'.Ewtew'k'q'k'fcg'<Ueqn{vkpcg'd{'O'knq-Mp'f'f'gm^*Rtcjc.'E|gej'Tgrwdnke+'cpf'vjg'tg'o'c'k'p'p'i'i'tq'w'r'd{'vjg'cw'v'j'qt'o'w'p'nguu'q'v'j'g't'y'k'ug'w'vc'g'f'k'p'vjg'Tguw'nvu}Qpg'cddt'x'k'c'v'k'p'ku'w'ug'f'k'p'vjg'v'g'z'v'<RHV'o'r'k'v'c'm'v't'c'r'0

E J C T C E V G T K U V K E U " Q H " V J G " C T G C

Xtcr'c'P'c'v'k'q'p'c'n'P'c'w't'g'T'g'ug't'x'g'k'u'k'w'c'v'g'f'k'p'v'j'g'w'q'w'j'g't'p'r'c't'v'q'h'P'q't'v'j'O'q't'c'x'c'c'o'c'r'r't'q'z'k'o'c'v'g'n{'2'0'7'm'o'p'q't'v'j'g'c'u'v'q'h'v'j'g'x'k'm'c'i'g'q'h'O'n'c'f'g'^*N'k'v'q'x'g'n'g'p'x'l'+'*u'g'g'H'k'i'0'3+'0'I'g'q'i't'c'r'j'k'c'e'n'e'q'q't'f'k'p'c'v'g'u'^I'R'U+'c't'g'c'u'h'q'm'q'y'u'c'6;A'6'4'5'3'P'z'39'4'2'4'5'4'5'G'^*e'g'p't'q'k'f+'0'V'j'g'v'g't't'k'v'q't'f'uw'f'k'g'f'eq'o'r't'l'u'g'u':2'0'8;'.j'c'l.'c'v'c'm'k'w'f'g'u'q'h'4'5'8'6'4'5'9'o'c'l'u'l'm'0'c'p'f'e'q'x'g't'u'q'p'g'hc'w'p'k'v'k'e'us'w'c't'g'^*8'4'8;+'.o'q't'g'r't'g'e'k'u'g'n{'c'u'w'd'u's'w'c't'g'^*8'4'8;e+'*R't'w'p'g't'('O'f'm'c'3;';8'0

Vjg'o'c'l'q't'k'v{'q'h'v'j'g'l'q'q'f'r'nc'k'p'c't'g'c'k'u'eq'x'g't'f'd{'j'c't'f'y'q'q'f'h'q't'g'u'u'^*c'u'u'q'ek'v'k'q'p'S'w'g't'eq'W'a'o'g'w'o+'0'V'j'g't'g'c't'g'o'w'e'j'h'g'y'g't'c'c'c'ng't'f'g'ek'f'w'q'w'u'v't'g'u'o'n'k'p'k'p'i'v'j'g'd'c'p'm'u'q'h'v'j'g'O'q't'c'x'c't'x'g'f'0'V'j'g'u'g'j'c'd'k'v'c'u'c't'g't'g'r't'g'g'p'v'g'f'd{'v'j'g'c'u'u'q'ek'v'k'q'p'U'c'n'k'eg'w'o'c'nd'c'g'q't'd{'v'j'g'c'u'u'q'ek'v'k'q'p'U'c'n'k'eg'w'o'v't'k'c'p'f't'c'g'0'Q'p'n{'c'u'o'c'm'c'r'c't'v'q'h'v'j'g'w'w'f'k'g'f'c't'g'e'q'p'k'u'u'of'open'habitats,of'the'Caricetum'bu'ek'ii'and'Rorippo-Phalaridetum'arundinaceae'associations,or'gravel'habitats'y'k'v'j'g'w'p'c'f'x'g'i'g'v'c'k'q'p'0'V'j'g't'd'k'v'q'r'g'u'e'q'p'k'u'v'q'h'r'g't'o'c'p'g'p'v'c'p'f'p'w'o'g't'q'w'u'v'g'o'r'q't'c't{'y'c'v'g't'd'q'f'k'g'u'q'h'v'j'g'R'q'v'c'o'g'w'o'et'k'ur'c'p'f'E'c'm'k't'k'e'j'q'j'c'o'w'nc'v'g'D'v't'c'e'j'k'g'w'o'c's'w'c'v'k'k'u'c'u'q'ek'v'k'q'p'u}

Vy'q't'x'g't'u'c't'g'r't'g'g'p'v'v'j'g'O'q't'c'x'c'c'p'f'O'c'n'^*X'q'f'c.'c'p'f'v'j'g'e'j'c'p'p'g'u'q'h'd'q'j'c't'g'w'p'f'k'u'w'd't'g'f'c'n'q'p'i'v'j'g'g'p'k't'g'ng'p'i'v'j'q'h'v'j'g'w'w'f'k'g'f'c't'g'0'P'w'o'g't'q'w'u'f'k'h'h'g't'g'p'v'w'ee'g'u'k'q'p'j'c'd'k'v'c'u'^*g'0'i'0'u'y'c'o'r'u.'i't'c'x'g'n'c'p'f'l'q't'uc'p'f'd'c'p'm'u'y'j'k'e'j'c't'g'c'h'h'g'e'v'g'f'd{'I'w'e'w'c'k'p'i'y'c'v'g't'ng'x'g'u'u'c'p'f'q'x'g't'i't'q'y'p'v'q'x'c't'k'p'i'g'z'v'g'p'u'v'd{'x'g'i'g'v'c'k'q'p'c't'g'h'q't'o'g'f'0

TGUWNVU

Altogether 1812 specimens representing 520 species of 57 families were collected during vjg'w'w'f'0'V'j'g'u'g'c't'g'n'k'u'v'g'f'd'g'n'q'y'0

I {tkpkfcg

Orectochilus villosus^*Q'0'H'0'Ä'ng't.'3998+<'350xk0422;'.4'ur'ge0

F {vkuekfcg

Dytiscus marginalis^N'k'p'p'c'g'w'u.'397:<'350xk0422;'.3'ur'ge0.'Q'v'q'P'c'm'n^f'c'n'f'g'v'0

Hydroporus palustris^N'k'p'p'c'g'w'u.'3983+<'350xk0422;'.4'ur'ge0

Hyphydrus ovatus^N'k'p'p'c'g'w'u.'3983+<'90xk0422;'.4'ur'ge0

Platambus maculatus^N'k'p'p'c'g'w'u.'397:+<'350xk0422;'.3'ur'ge0

Suphrodytes dorsalis^H'c'd't'k'k'w'u.'39:9+<'350xk0422;'.3'ur'ge0

Ectcdkfcg

Abax parallelepipedus (Piller et Mitterpachet.'39:5+<'70xk06:0xkkk0422;'.78'ur'ge0.'R'H'V'0'90xk0670xk0422;'.98'ur'ge0.'R'H'V'0

*Abax parallelus parallelus**Fwhvuej okf."3:34+<"70xkk06:0xkkk0422;."42"urgeo."RHV="90xk0670xkk0422;."3:"urgeo."RHV)

*Acupalpus luteatus**Fwhvuej okf."3:34+<"360kkk0422;."3"urgeo."kp"İqqf"fgdtku."Rgvt"Xgugn "fgv0

*Agonum afrum**Fwhvuej okf."3:34+<"390x0422;."3"urgeo."Rgvt"Xgugn "fgv0

Agonum angustatum"Fglgcp"3:4:<"50xkkk0422;."3"urgeo."Rgvt"Xgugn "fgv0

Agonum duftschmid"L0"Uej okfv."3; ;6<"50xkkk0422;."3"urgeo."Rgvt"Xgugn "fgv0

*Agonum viduum**Rcp|gt."39;8+<"90x0422;."4"urgeo."Rgvt"Xgugn "fgv0

*Amara aulica**Rcp|gt."39;8+<"350xk0422;."3"urgeo="490xk0422;."3"urgeo)

Amara gebleri Fglgcp."3:53<"70xkk0422;."3"urgeo)

*Amara ovata**Hcdtkewu."39;4+<"350xk0422;."3"urgeo="90xk0670xkk0422;."4"urgeo)

*Amara plebeja** I |nngpjcn."3:32+<"90xk0422;."3"urgeo."Rgvt"Xgugn "fgv0

*Anisodactylus binotatus**Hcdtkewu."39:9+<"390x0422;."3"urgeo."Rgvt"Xgugn "fgv0

Badister lacertosus Uvwt o."3:37<"90xk0670xkk0422;."3"urgeo)

*Bembidion articulatum**Rcp|gt."39;8+<"390x0422;."7"urgeo)"

*Bembidion biguttatum**Hcdtkewu."399;+<"360kkk0422;."3"urgeo="390x0422;."3"urgeo="360xk0422;."3"urgeo="360xk0422;."3"urgeo."Rgvt"Xgugn "fgv0

*Bembidion dentellum**"Vjwpdgti."39:9+<"90xk0422;."3"urgeo="360xk0422;."3"urgeo)

*Bembidion lampros** J gtduv."39:6+<"390x0422;."3"urgeo="360xk0422;."4"urgeo="90xk0670xkk0422;."4"urgeo)

Bembidion schueppelii Fglgcp."3:53<"360xk0422;."5"urgeo="50xkkk0422;."5"urgeo)

*Bembidion semipunctatum**"Fqpqxcp."3:28+<"390x0422;."3"urgeo="90xk0422;."3"urgeo="50xkkk0422;."3"urgeo)

Bembidion tetracolum Uc{."3:45<"50xkkk0422;."3"urgeo)

*Bembidion tibiale**Fwhvuej okf."3:34+<"90xkkk0422;."4"urgeo."Rgvt"Xgugn "fgv0"

Carabus coriaceus Nkppcgwu."397:<"90xk0670xkk0422;."3"urgeo."RHV)

Carabus granulatus Nkppcgwu."397:<"360kkk0422;."3"urgeo."kp"İqqf"fgdtku="90xk0670xkk0422;."3"urgeo."RHV)

Carabus scheidleri"Rcp|gt."39; ;<"70xkk06:0xkkk0422;."33"urgeo."RHV="90xk0670xkk0422;."4"urgeo."RHV)

Carabus violaceus"Nkppcgwu."397:<"350x0422;."3"urgeo="70xkk06:0xkkk0422;."4"urgeo."RHV="90xk0670xkk0422;."4"urgeo."RHV)

*Clivina collaris**"J gtduv."39:6+<"390x0422;."4"urgeo)

*Clivina fossor fossor**"Nkppcgwu."397:+<"390x0422;."4"urgeo)

*Cychrus caraboides**"Nkppcgwu."397:+<"70xkk06:0xkkk0422;."3"urgeo."RHV)

*Demetrius atricapillus**"Nkppcgwu."397:+<"50xkkk0422;."3"urgeo)

*Dyschirius globosus**"J gtduv."39:6+<"360xk0422;."3"urgeo."Rgvt"Xgugn "fgv0="50xkkk0422;."4"urgeo."Rgvt"Xgugn "fgv0

Dyschirius tristis"Uvgr jgpu."3:49<"90xk0422;."8"urgeo."Rgvt"Xgugn "fgv0

Elaphrus cupreus"Fwhvuej okfv."3:34<"360xk0422;."3"urgeo="40xkkk0422;."3"urgeo=":0xkkk0422;."3"urgeo)

*Elaphrus riparius**"Nkppcgwu."397:+<"390x0422;."4"urgeo="90xk0422;."3"urgeo)

*Euophilus fuliginosum**"Rcp|gt."3:2;+<"360xk0422;."3"urgeo."Rgvt"Xgugn "fgv0

*Euophilus micans**"Pkeqnc."3:44+<"390x0422;."4"urgeo."Rgvt"Xgugn "fgv0="360xk0422;."5"urgeo)."Rgvt"Xgugn "fgv0

*Harpalus latus**"Nkppcgwu."397:+<"90xk0670xkk0422;."3"urgeo."Rgvt"Xgugn "fgv0."RHV"

Harpalus progrediens"Uejcwdgtigt."3;44<"90xk0670xkk0422;."5"urge0."Rgvt"Xgugn "fgv0."RHV0
Jctrcnwu"twŁrgu"*Fg" IggT."3996+<"70xkk06:0xkkk0422;." : "urge0." RHV="90xk0670xkk0422;."3; "urge0."RHV0
Leistus ferrugineus"*Nkppcgwu."397;+<"360xk0422;."3"urge0="70xkk06:0xkkk0422;."3"urge0
Leistus piceus piceus"Ht³ankej."39; ; <"360xk0422;."4"urge0
Leistus rufomarginatus"*Fwhvuej okf."3:34+<"480xk0422;."3"urge0="90xk0670xkk0422;."6"urge0
Loricera pilicornis"*HcdtkekWu."3997+<"360xk0422;."3"urge0="70xkk06:0xkkk0422;."3"urge0
Nebria brevicollis *HcdtkekWu."39;4+<"360xk0422;."3"urge0
Notiophilus biguttatus"*HcdtkekWu."399;+<"360xk0422;."3"urge0
Notiophilus palustris"*Fwhvuej okf."3:34+<"70xkk0422;."3"urge0
Oodes helopioides"*HcdtkekWu."39;4+<"390x0422;."3"urge0
Paranchus albipes"*HcdtkekWu."39;8+<"50xkkk0422;."3"urge0
Patrobus atrorufus"*Uvtqg o."398;+<"360xk0422;."3"urge0
Platynus assimilis"Rc {mwmm."39;2+<"90xk0670xkk0422;."3; "urge0."RHV0
Pterostichus melanarius"*Knnki gt."39; ; +<"70xkk06:0xkkk0422;."332"urge0."RHV="90xk0670xkk0422;."34; "urge0."RHV0
Pterostichus niger"*Uejcngt."39:5+<"70xkk06:0xkkk0422;."52"urge0."RHV="90xk0670xkk0422;." : "urge0."RHV0
Pterostichus oblongopunctatus"*HcdtkekWu."39:9+<"90xk0670xkk0422;."4"urge0."RHV0
Pterostichus ovoideus"*Uvwt o."3:46+<"70xkk06:0xkkk0422;."4"urge0="90xk0670xkk0422;."5"urge0
Pterostichus strenuus"*Rcp |gt."39;8+<"360xk0422;."3"urge0
Pterostichus vernalis"*Rcp |gt."39;8+<"90xk0422;."3"urge0
Stenolophus mixtus"* Jgtduv."39:6+<"90xk0422;."3"urge0
Syntomus truncatellus"*Nkppcgwu."3983+<"60kkk0422;."6"urge0."kp"İqqf"fgdtku."Rgvt"Xgugn "fgv0
Tachys micros"*Hkuejgt"xqp"Ycnfj gk o."3:4: +<"360kkk0422;."4"urge0."kp"İqqf"fgdtku=";0x0422;."3"urge0="390x0422;."3"urge0
Trechus quadristriatus"*Uejtcpm."39:3+<"90xk0670xkk0422;."3"urge0."Rgvt"Xgugn "fgv0."RHV0

J {ftqrjknkfcg

Cercyon pygmaeus"*Knnki gt."3:23+<"70xkk0422;."3"urge0
Cercyon bifenstratus"MÄavgT."3:73<"50xkkk0422;."3"urge0
Cercyon marinus"E0" I 0"Vjq ouqp."3:75<"50xkkk0422;."3"urge0
Cryptopleurum minutum"*HcdtkekWu."3997+<"60z0422;."3"urge0."ukhvgf"htq o"xctkquw"qti cpke" o cvvgtl
Megasternum concinnum"*Octujco."3:24+<"360kkk0422;."4"urge0."kp"İqqf"fgdtku0

Jkuvgtkfcg

Abraeus perpusillus"*Octujco."3:24+<"50xkk0422;."3"urge0
Aeletes atomarius"*Cwd²."3:64+<"50xkk0422;."3"urge0
Dendrophilus punctatus punctatus"* Jgtduv."39;4+<"480xk0422;."3"urge0="50xkk0422;."9"urge0
Margarinotus brunneus"*HcdtkekWu."3997+<"480kx0422;."3"urge0."qp"ecttkqp0
Margarinotus striola succicola"*E0" I 0"Vjq ouqp."3:84+<"60z0422;."3"urge0."ukhvgf"htq o"xctkquw"qti cpke" o cvvgtl

Rvknkkfcg

- Acrotrichis dispar**Ocwgjyu."3:87+<"60z0422;."5"urge0."ukhvgf"htqo"xctkquw"qti cpke"o cvwgt0
*Acrotrichis fascicularis**Jgtduv."39;5+<;0x0422;."3"urge0
*Acrotrichis grandicollis**Ocpptjgko."3:66+<"70xkk0422;."5"urge0="60z0422;."4"urge0."ukhvgf"
htqo"xctkquw"qti cpke"o cvwgt0
Ptenidium formicetorum"Mtccv|. "3:73+<480kx0422;."3"urge0."ukhvgf"htqo"xctkquw"qti cpke"
o cvwgt0
*Ptenidium gressneri*Gtkejuqp."3:67+<480kx0422;."3"urge0."ukhvgf"htqo"xctkquw"qti cpke"o cvwgt0
Ptenidium longicorne"Hwuu."3:8:<360kx0422;."7"urge0."kp"i qqf"fgdtku="480kx0422;."3"urge0."
ukhvgf"htqo"xctkquw"qti cpke"o cvwgt=";0x0422;."4"urge0="50xkk0422;."4"urge0"
Ptenidium reitteri"Hncej."3:9<480kx0422;."3"urge0."ukhvgf"htqo"xctkquw"qti cpke"o cvwgt=";
;0x0422;."9"urge0
*Pteryx suturalis**Jgg."3:63+<480kx0422;."3"urge0."ukhvgf"htqo"xctkquw"qti cpke"o cvwgt0
Uo ketwu"*Lnkeqtpku**Hctko cktg"gv"Ncdqwndgpg."3:77+<;0x0422;."3"urge0

Ngkqkfkg

- Catops fuliginosus*Gtkejuqp."3:59<360xk0422;."3"urge0="60z0422;."3"urge0."ukhvgf"htqo"xctkquw"
qti cpke"o cvwgt0
Catops grandicollis"Gtkejuqp."3:59<60z0422;."5"urge0."tkrg"ejggug="450z0422;."4"urge0."tkrg"
ejggug0
Catops neglectus"Mtccv|. "3:74<60z0422;."3"urge0."tkrg"ejggug="450z0422;."4"urge0."tkrg"
ejggug0"
*Catops picipes**Hcdtkekwu."39:9+<60z0422;."3"urge0."tkrg"ejggug="450z0422;."4"urge0."tkrg"
ejggug0
*Catops tristis tristis**Rcp|gt."39;6+<450z0422;."3"urge0."tkrg"ejggug0"
Fissocatops westi"Mtqigtwu."3:53<70xkk06:0xkkk0422;."6"urge0."RHV="90xk0670xkk0422;."5"urge0."
RHV0
*Ptomaphagus sericatus sericatus**Ejcwftkt."3:67+<60z0422;."3"urge0."tkrg"ejggug="70xkk06:0
xkkk0422;."3"urge0."RHV0"
*Ptomaphagus varicornis**Tqugpjcwgt."3:69+<90xk0422;."3"urge0
*Sciodrepoides fumatus**Urgpeg."3:35+<60z0422;."3"urge0."ukhvgf"htqo"xctkquw"qti cpke"
o cvwgt0

Uknrjkfcg

- Necrodes littoralis**Nkppcgwu."397: +<480kx0422;."3"urge0."qp"ecttkqp0
*Nicrophorus vespillo**Nkppcgwu."397: +<480kx0422;."3"urge0."qp"ecttkqp0
*Oiceoptoma thoracicum**Nkppcgwu."397: +<390x0422;."3"urge0
*Phosphuga atrata**Nkppcgwu."397: +<70xkk06:0xkkk0422;."72"urge0."RHV="90xk0670xkk0422;."
46"urge0."RHV0
*Thanatophilus rugosus**Nkppcgwu."397: +<390x0422;."3"urge0
*Thanatophilus sinuatus**Hcdtkekwu."3997+<390x0422;."3"urge0

Uvcr j { nkpfcg

- Acrotona fungi** I tcxgpjqtuv."3: 28+<"360kkk0422; .4"urgeo."kp" fqqf"fgdtku="490xk0422; .3"urgeo="80kz0422; .6"urgeo."qp" fgec{kpi" cr rngu=" 60z0422; .3"urgeo."ukhvgf"htqo" xctkqwu" qti cpke" o cvwgtl)
- Acrotona negligens** Ownucpv"gv" Tg{."3: 95+<"360kkk0422; .3"urgeo."kp" fqqf"fgdtku0
- Cetwnk"kp fcv** I { nngpjcn."3: 35+<"70xkk0422; 0
- Agaricochara latissima** Uvgr jgpu."3: 54+<"520xkkk0422; .4"urgeo)
- Aleochara brevipennis* I tcxgpjqtuv."3: 28<"390x0422; .3"urgeo0
- Aleochara curtula** I qg |g."3999+<"480kx0422; .3"urgeo."qp"ecttkqp0
- Cngqjctc"twLeqtpku* I tcxgpjqtuv."3: 24<"360xk0422; .3"urgeo)
- Aloconota insecta** Vjq o uqp."3: 78+<"360kkk0422; .3"urgeo)
- Anotylus tetracarinatus** Dnqem."39; ;+<"360kkk0422; .4"urgeo."kp" fqqf"fgdtku0
- Anthobium atrocephalum** I { nngpjcn."3: 49+<"90xk0670xkk0422; .3"urgeo)
- Anthophagus angusticollis angusticollis** Ocpptjgk o ."3: 52+<"90xk0422; .3"urgeo="350xk0422; .3"urgeo)
- Atheta britanniae*"Dgtpjcvgt"gv" Uejggtgrnv |."3: 48<"360xk0422; .3"urgeo)
- Atheta coriaria** Mtccv |."3: 78+<"80kz0422; .4"urgeo."qp" fgec{kpi" cr rngu0
- Atheta crassicornis** Hcdtkekku."39; 5+<"360xk0422; .3"urgeo="490xk0422; .3"urgeo="40xkkk0422; .3"urgeo="80kz0422; .5"urgeo."qp" fgec{kpi" cr rngu=" 60z0422; .3"urgeo."ukhvgf"htqo" xctkqwu" qti cpke" o cvwgtl)
- Atheta dadopora*"Vjq o uqp."3: 89<"490xk0422; .3"urgeo="80kz0422; .3"urgeo."qp" fgec{kpi" cr rngu=" 60z0422; .5"urgeo."ukhvgf"htqo" xctkqwu" qti cpke" o cvwgtl)
- Atheta laticollis** Uvgr jgpu."3: 54+<"80kz0422; .3"urgeo."qp" fgec{kpi" cr rngu0
- Atheta liturata** Uvgr jgpu."3: 54+<"490xk0422; .3"urgeo)
- Atheta longicornis** I tcxgpjqtuv."3: 24+<"60z0422; .3"urgeo)
- Atheta pallida** Gtkejuqp."3: 5; +<"80kz0422; .5"urgeo."qp" fgec{kpi" cr rngu0
- Atheta pallidicornis** Vjq o uqp."3: 78+<"90xk0422; .3"urgeo)
- Atheta ravilla** Gtkejuqp."3: 5; +<"70xkk0422; .3"urgeo)
- Atheta subtilis** Uetkdc."3: 88+<"490xk0422; .3"urgeo)
- Autalia rivularis** I tcxgpjqtuv."3: 24+<"60z0422; .3"urgeo."ukhvgf"htqo" xctkqwu" qti cpke" o cvwgtl)
- Dkupkw"Ło gvc kwu** I tcxgpjqtuv."3: 24+<"70xkk0422; .3"urgeo="60z0422; .3"urgeo."ukhvgf"htqo" xctkqwu" qti cpke" o cvwgtl)
- Carpelimus gracilis** Ocpptjgk o ."3: 52+<"; 0x0422; .3"urgeo)
- Carphacis striatus** Qnkxkgt."39; 7+<"40xkkk0422; .4"urgeo)
- Creophilus maxillosus** Nkppcgwu."397; +<"480kx0422; .3"urgeo."qp"ecttkqp."Qvq" Pcmn^a fcn" fgv0
- Cypha longicornis** Rc { mwnn."3: 22+<"360kkk0422; .3"urgeo."kp" fqqf"fgdtku0
- Cyphea curtula** Gtkejuqp."3: 59+<"360xk0422; .3"urgeo)
- Dinaraea aequata** Gtkejuqp."3: 59+<"90xk0422; .3"urgeo)
- Drusilla canaliculata** Hcdtkekku."39; 9+<"90xk0670xkk0422; .3"urgeo="90xk0670xkk0422; .3"urgeo)."RHV."Qvq" Pcmn^a fcn" fgv0
- Euryusa sinuata*"Gtkejuqp."3: 59<"70xkk0422; .3"urgeo)
- Eusphalerum semicoleopratum** Rcp |gt."39; 7+<"50x0422; .7"urgeo)
- Gabrius breviventer** Urgtm."3: 57+<"360kkk0422; .3"urgeo."kp" fqqf"fgdtku="50xkkk0422; .3"urgeo)
- Geostiba circellaris** I tcxgpjqtuv."3: 28+<"360kkk0422; .6"urgeo."kp" fqqf"fgdtku0

I {tqrjcgpc"chŁpku"Ocppgtjgk o."3:52<"350xk0422;."3"urget
Gyrophaena fasciata"Octu j c o."3:24+<"520xkkk0422;."4"urget
Gyrophaena gentilis"Gtk e juqp."3:5;<"520xkkk0422;."3"urget
Gyrophaena joyi joyi"Ygp fgngt."3:46<"520xkkk0422;."3"urget
Gyrophaena joyioides"Y Auv j qhh."3:59<"490xk0422;."3"urget
Gyrophaena manca"Gtk e juqp."3:5;<";0x0422;."3"urget
Gyrophaena strictula"Gtk e juqp."3:5;<"350xk0422;."3"urget
Ischnopoda leucopus"Octu j c o."3:24+<"50xkkk0422;."3"urget
Lathrobium brunripes"Hcdtkek wu."39:5+<"360xk0422;."3"urget
Leptusa pulchella"Ocppgtjgk o."3:52+<"70xk0422;."3"urget
Medon ripicola"Mtccv|. "3:76+<"390x0422;."3"urget
Megarthritis depressus"Rc { mwmn."39:;+<"490xk0422;."4"urget
Ogqkec"Łnhqt o ku"Oqv e j wnum{."3:82+<"360kkk0422;."4"urget."kp" łqqf"fgdtku
Micropeplus longipennis"Mtccv|. "3:7;<"360kkk0422;."3"urget."kp" łqqf"fgdtku
Ochtheophilus omalinus"Gtk e juqp."3:62+<";0x0422;."4"urget
Omaliu m rivulare"Rc { mwmn."39:;+<"390x0422;."3"urget="80kz0422;."35"urget."qp" fgec{ kpi" c r r ngul
Othius punctulatus" I qg | g."3999+<"90xk0670xkk0422;."4"urget."RHV
Oxypoda acuminata"Uvgr j gpu."3:54+<"390x0422;."3"urget
Oxypoda alternans" I t c x g p j q t u v."3:24+<"360xk0422;."3"urget
Oxyporus maxillosus"Hcdtkek wu."39:5<"520xkkk0422;."3"urget
Philonthus addendus"Ujctr."3:89<"40xkkk0422;."4"urget="60z0422;."5"urget
Philonthus decorus" I t c x g p j q t u v."3:24+<"70xkk06:0xkkk0422;."6"urget="90xk0670xkk0422;."66"urget." Qvq" Pcmn^a fcn" fgw
Philonthus fumarius" I t c x g p j q t u v."3:28+<"350xk0422;."3"urget="360xk0422;."3"urget
Philonthus rotundicollis"O²p²vtk²u."3:54+<"360xk0422;."3"urget
Philonthus tenuicornis"O wnu cpv" g v" Tg{."3:75<"60z0422;."6"urget."ukhvgf"htq o "xctkqwu"qt i c pke" o c v g t l
Phloeocharis subtilissima"Ocppgtjgk o."3:52<"390x0422;."4"urget
Plataraea dubiosa" I 0" Dgpkem."3:57+<";0x0422;."3"urget
Platystethus cornutus cornutus" I t c x g p j q t u v."3:24+<"90xk0422;."3"urget
Proteinus atomarius"Gtk e juqp."3:62+<";0x0422;."3"urget="50xkk0422;."3"urget="60z0422;."3"urget." sifted from various organic matter
Quedius cinctus"Rc { mwmn."39:2+<"60z0422;."3"urget."ukhvgf"htq o "xctkqwu"qt i c pke" o c v g t l
Quedius cruentus"Qnkxkgt."39:7+<"80kz0422;."7"urget."qp" fgec{ kpi" c r r ngul
Quedius fuliginosus" I t c x g p j q t u v."3:24+<"90xk0670xkk0422;."5"urget
Scaphidium quadrimaculatum"Qnkxkgt."39:2<"520xkkk0422;."3"urget."Qvq" Pcmn^a fcn" fgw
Scaphisoma agaricinum"Nkppcgwu."397: +<"350xk0422;."3"urget="60z0422;."3"urget."tkrg" e j ggugl
Sepedophilus marshami"Uvgr j gpu."3:54+<"360xk0422;."3"urget
Stenus boops boops"NIwp i j."3:32<"390x0422;."3"urget="50xkkk0422;."6"urget
Uvgpwu" łcxrgu" łcxrgu"Uvgr j gpu."3:55<"350xk0422;."3"urget
Vce j kpwu"twŁrgu"Nkppcgwu."397: +<"90xk0422;."3"urget="70xkk06:0xkkk0422;."3"urget."RHV
Tachyporus chrysomelinus"Nkppcgwu."397: +<"390x0422;."3"urget
Tachyporus nitidulus"Hcdtkek wu."39:3+<"490xk0422;."3"urget

*Tasgius melanarius melanarius** J ggt."3 : 5 ; +<"90xk0670xkk0422 ; ."4"urgeo
*Thamiaraea cinnamomea** I txcgpxjqtuv."3 : 24+<"80kz0422 ; ."8"urgeo."qp"fgec{kpi"cr rngu0
*Xantholinus tricolor**Hcdtkekwu."39 : 9+<"90xk0670xkk0422 ; ."3"urgeo."RHV0
*Zyras humeralis** I txcgpxjqtuv."3 : 24+<"360xk0422 ; ."3"urgeo
*Zyras lugens** I txcgpxjqtuv."3 : 24+<"480xk0422 ; ."3"urgeo="70xkk0422 ; ."3"urgeo

Nwecpkf cg

*Platycerus caraboides**Nkppcgwu."397 : +<"90xk0670xkk0422 ; ."5"urgeo

I ggvtwrkf cg

*Anoplotrupes stercorosus** J ctv o cpp"kp"N0" I 0"Uetkdc."39 ; 3+<"70xkk06 : 0xkkk0422 ; ."4"urgeo."RHV="90xk0670xkk0422 ; ."3"urgeo."RHV0

Uectdcgkf cg

*Crjqfkwu"twLrgu**Nkppcgwu."397 : +<"70xkk0422 ; ."3"urgeo."Lcp"Uejpgkfgt"fgv0
*Cetonia aurata**Nkppcgwu."3983+<"320x0422 ; ."3"urgeo
*Onthophagus coenobita** J gtduv."39 : 5+<"480x0422 ; ."3"urgeo."qp"ecttkqp."Lcp"Uejpgkfgt"fgv0=" ; 0x0422 ; ."3"urgeo."Lcp"Uejpgkfgt"fgv0="60z0422 ; ."3"urgeo."ukhvfgf"htq o "xctkqwu"qti cpeke"o cwgvt."Lcp"Uejpgkfgt"fgv0
*Onthophagus verticicornis**Nckejctvki."39 : 3+<" ; 0x0422 ; ."5"urgeo."Lcp"Uejpgkfgt"fgv0="70xkk0422 ; ."3"urgeo."Lcp"Uejpgkfgt"fgv0
*Oxythyrea funesta**Rqfc."3983+<"390x0422 ; ."3"urgeo="90xk0422 ; ."3"urgeo
*Phyllopertha horticola**Nkppcgwu."397 : +<"90xk0422 ; ."3"urgeo
*Protaetia cuprea obscura**Cpfgtuej."39 ; 9+<"50x0422 ; ."3"urgeo="320x0422 ; ."3"urgeo
*Serica brunnea**Nkppcgwu."397 : +<"50xkk0422 ; ."3"urgeo
Valgus hemipterus *Nkppcgwu."397 : +<" ; 0x0422 ; ."3"urgeo

Uektvkf cg

E{rjqp"twLgru"Vqwtpkgt."3 : 8 : <" ; 0x0422 ; ."3"urgeo

Dwrtgukf cg

*Agrilus betuleti**Tcv|gdwti."3 : 59+<"350xk0422 ; ."3"urgeo
Agrilus convexicollis"N0" Tgfvdpdcejgt."3 : 6 ; <"360xk0422 ; ."3"urgeo
*Agrilus laticornis**Knnki gt."3 : 25+<"390x0422 ; ."4"urgeo="350xk0422 ; ."3"urgeo="360xk0422 ; ."4"urgeo="50xkk0422 ; ."3"urgeo
Agrilus obscuricollis"Mkguppygvgvt."3 : 79<"90xk0422 ; ."3"urgeo."eqnm0" P O "Rtcjc0
Dicerca alni (Fischer von Waldheim, 1824): 2009, only galleries with emergence hole on *Alnus* – the species *D. berolinensis** J gtduv."399 ; +."ykvj"uk o knct" i cmngtkgu"cpf" rquukdng" development on *Alnus*, has never been recorded in LP PLA, unlike *D. alni*0
Trachys minuta *Nkppcgwu."397 : +<"360xk0422 ; ."3"urgeo

D{ttjkfcg

Cytilus sericeus"*Hqtuvgt."3993+<"60z0422;."3"urge0."ukhvgf"htqo"xctkqwu"qti cpke"o cwgft0
Chaetophora spinosa"*Tquuk."39;6+<"360kk0422;."3"urge0."kp"řqqf"f gdtku."eqn0"Lcp"Ue j pgkf g t"
*Rtc jc+0

Gwepg o kfcg

Eucnemis capucina"Cj t g p u."3:34<"360xk0422;."3"urge0="480xk0422;."3"urge0."RHV"ugv"kp"vtgg"
hollow (on tree base) of huge old *Fraxinus excelsior*
Microrhagus lepidus *Tqugpj cwgt."3:69+<"360xk0422;."3"urge0."Lk ¶"X^axtc"fgv0

Vj t quekfcg

Trixagus carinifrons"*Dqpxqwnqkt."3:7;+<"40xkk0422;."3"urge0
Trixagus dermestoides"*Nkppcgwu."3989+<"350xk0422;."3"urge0="360xk0422;."3"urge0

Gncvgtkfcg

Adrastus pallens"*Hcdtkek w u."39;4+<"40xkk0422;."5"urge0
Adrastus rachifer"*I g q h h t {."39:7+<"350xk0422;."4"urge0="360xk0422;."5"urge0="50xk0422;."
7"urge0
Agriotes acuminatus"*Uvgrj g p u."3:52+<"0x0422;."4"urge0="320x0422;."5"urge0="390x0422;."
3"urge0
Agriotes obscurus"*Nkppcgwu."397:+<"0x0422;."3"urge0="90xk0422;."3"urge0
Agriotes pilosellus"*Uej ¼ p j g t t."3:39+<"0x0422;."3"urge0="390x0422;."3"urge0="90xk0422;."
4"urge0
Agriotes sputator"*Nkppcgwu."397:+<"0x0422;."4"urge0
Agrypnus murinus"*Nkppcgwu."397:+<"50xk0422;."3"urge0
Ampedus sanguinolentus"*Uej t c p m."3998+<"0x0422;."4"urge0
Anostirus castaneus"*Nkppcgwu."397:+<"0x0422;."3"urge0
Anostirus purpureus"*Rqfc."3983+<"50x0422;."3"urge0="0x0422;."3"urge0="390x0422;."3"urge0
Athous bicolor"*I q g | g."3999+<"50xk0422;."3"urge0="70xkk06:0xkk0422;."3"urge0."RHV="90xk06
70xk0422;."3"urge0."RHV."Qvq" P c m n^a f c n" f g v 0
Athous haemorrhoidalis"*Hcdtkek w u."3:23+<"50x0422;.";"urge0="0x0422;."3"urge0
Athous subfuscus"*Q0" H j O Ä n n g t."3989+<"350xk0422;."3"urge0
Athous vittatus *Hcdtkek w u."39;4+<"50x0422;."8"urge0="0x0422;."5"urge0="360xk0422;."3"urge0
Dalopius marginatus"*Nkppcgwu."397:+<"50x0422;."3"urge0="390x0422;."3"urge0
Denticollis linearis"*Nkppcgwu."397:+<"90xk0422;."3"urge0
Hemicrepidius hirtus"*J g t d u v."39:6+<"490xk0422;."3"urge0="50xkk0422;."3"urge0
Hemicrepidius niger *Nkppcgwu."397:+<"320x0422;."6"urge0="90xk0422;."3"urge0="350xk0422;."
3"urge0="50xkk0422;."3"urge0
Limonium poneli Ngugk i p g w t " g v" O g t v n k m."4229<"50x0422;."3"urge0="0x0422;."7"urge0="320x0422;."
3"urge0="360xk0422;."6"urge0="490xk0422;."5"urge0
Melanotus castanipes"*Rc { m w m m."3:22+<"0x0422;."5"urge0

*Stenagostus rhombeus**Qnkxkgt."39; 2+<"50xkk0422; .3"urge0
*U{pcrvwu}Lnhqt o ku**Hcdtkewu."39; 3+<; 0x0422; .3"urge0="; 0x0422; .3"urge0

Nc o r { tkf cg

*Lamprohiza splendidula**Nkppcgwu."3989+<"480xk0422; ."6"urge0
Phosphaenus hemipterus" I gqhhtq { ."3984<"90xk0670xkk0422; ."3"urge0

Ecpvj ctkf cg

Cantharis fusca"Nkppcgwu."397 : <"320x0422; .3"urge0
Cantharis lateralis"Nkppcgwu."397 : <"90xk0422; .3"urge0
Cantharis livida"Nkppcgwu."397 : <"50x0422; .3"urge0="320x0422; ."6"urge0
*Cantharis nigricans**Q0"H0"O Ānngt."3998+<"320x0422; .3"urge0="350xk0422; ."4"urge0="360xk0422; ."3"urge0
Cantharis pellucida"Hcdtkewu."39; 4<"50x0422; ."6"urge0="320x0422; ."4"urge0
Cantharis rufa"Nkppcgwu."397 : <"320x0422; .3"urge0="50xkk0422; ."4"urge0"
*Ocnwjkwu"t cxgqwu** J gtduv."39; 8+<"90xk0422; .3"urge0
*Malthinus frontalis**Octujc o ."3: 24+<"360xk0422; .3"urge0
*Malthodes marginatus**Ncvtgkng."3: 28+<"390x0422; .3"urge0
*Metacantharis clypeata**Knnki gt."39; : +<"320x0422; .3"urge0
*Podabrus alpinus**Rc { mwnn."39; : +<"320x0422; .3"urge0="90xk0422; .3"urge0
*Rhagonycha fulva**Ueqrqnk."3985+<"50xkk0422; .3"urge0"
Rhagonycha gallica"Rke."3; 45<"360xk0422; .3"urge0="50xkk0422; .3"urge0
*Rhagonycha lutea**Q0"H0"O Ānngt."3986+<"360xk0422; .7"urge0
Rhagonycha nigriventris"Oqvej wnum { ."3: 82<"360xk0422; .3"urge0

Fgt o guvkf cg

Dermestes frischi"Mwi gncpp."39; 4<"390x0422; .3"urge0
*Trinodes hirtus**Hcdtkewu."39; 3+<"360xk0422; .3"urge0."Qvq" Pcmn^a fcn" fgvt0

Rvkpkf cg

Dorcatoma dresdensis" J gtduv."39; 4<"422; ."9"urge0."tgctgf"htq o "rqn { rqtg" o wuj tqq o
*Hemicoelus fulvicornis**Uvwt o ."3: 59+<"350xk0422; .3"urge0="70xkk0422; .3"urge0
*J g o keqgnwu"twErgppku**Fwhvuej okf."3: 47+<"360xk0422; .3"urge0
*Hyperisus plumbeum**Knnki gt."3: 23+<"0x0422; .3"urge0
*Oligomerus brunneus**Qnkxkgt."39; 2+<"50xkk0422; .3"urge0
*Ptilinus pectinicornis**Nkppcgwu."397 : +<"90xk0422; .3"urge0
*Ptinomorphus imperialis**Nkppcgwu."3989+<"390x0422; .3"urge0="360xk0422; .3"urge0
Rvkpwu"twErgu"Qnkxkgt."39; 2<"360xk0422; .7"urge0="50xkk0422; .3"urge0
*Xyletinus ater**Etgw | gt."39; 8+<"50xk0422; .3"urge0

Engtkf cg

Korynetes ur0<"50xkk0422; .3"urge0"**It aggnms tq dg** *K. caeruleus* (De Geer, 1775) but the specimens may be *K. twEqtphu**Uvwt o ."3: 59+<"urgeku0

Ogn{tkfcg

*Axinotarsus marginalis**Ncrqtv"fg"Ecuvgnpcw."3:62+<90xk0422;. "3"urge0
Czkipqvc tuwu"twLeqnmku"*Qnkxkgt."39;2+<70xk0422;. "6"urge0
*Cordylepherus viridis**Hcdtkekww."39:9+<90xk0422;. "3"urge0
*Malachius bipustulatus**Nkppcgwu."397: +<50x0422;. "4"urge0

Mcvgtgvkfcg

*Kateretes pusillus**Vjwpdgti."39;6+<0x0422;. "3"urge0

Plkvkfwkfcg

*Cychramus luteus**Hcdtkekww."39:9+<0x0422;. "7"urge0
*Cychramus variegatus**Jgtduv."39;4+<0x0422;. "3"urge0
*Epuraea aestiva**Nkppcgwu."397: +<50xkk0422;. "6"urge0
*Epuraea longula*Gtkejupq."3:67+<0x0422;. "4"urge0
*Epuraea melanocephala**Octujco."3:24+<50xkk0422;. "5"urge0
*Epuraea unicolor**Qnkxkgt."39;2+<80kz0422;. "3"urge0."qp"fgec{kpi"cr rngu0
*Epuraea variegata**Jgtduv."39;5+<350xk0422;. "4"urge0
*Glischrochilus quadrisignatus**Uc{."3:57+<80kz0422;. "8"urge0."qp"fgec{kpi"cr rngu0
*Meligethes aeneus**Hcdtkekww."3997+<40xkk0422;. "5"urge0
Ognkigvjgu"fkhLekku"*Jggt."3:63+<70xk0422;. "3"urge0="40xkk0422;. "3"urge0
*Meligethes egenus*Gtkejupq."3:67+<90xk0422;. "4"urge0
Meligethes sulcatus"E0"Dtkuqvw"fg"Dctpgxkmg."3:85+<380xk0422;. "4"urge0="50xk0422;. "3"urge0
*Meligethes viridescens**Hcdtkekww."39:9+<50xk0422;. "3"urge0
*Meligethes denticulatus**Jggt."3:63+<90xk0422;. "3"urge0
Meligethes haemorrhoidalis"H34tuvgt."3:6; +<50xk0422;. "3"urge0
*Omosita depressa**Nkppcgwu."397: +<60z0422;. "5"urge0."ukhvgf"htqo"xctkqwu"qti cpkp"o cwg0
*Pocadius ferrugineus**Hcdtkekww."3997+<0x0422;. "3"urge0="70xk0422;. "7"urge0="520xkk0422;. "3"urge0
*Soronia grisea**Nkppcgwu."397: +<360xk0422;. "3"urge0="80kz0422;. "3"urge0."qp"fgec{kpi"cr rngu0

Oqpqvqokfcg

*Rhizophagus dispar**Rc{mwmm."3:22+<70xk0422;. "3"urge0
Rhizophagus perforatus"Gtkejupq."3:67+<0x0422;. "3"urge0="90xk0422;. "3"urge0="490xk0422;. "3"urge0
*Rhizophagus picipes**Qnkxkgt."39;2+<0x0422;. "3"urge0

Uknxcpkfcg

*Silvanus bidentatus**Hcdtkekww."39;4+<390x0422;. "3"urge0
*Uleiota planatus**Nkppcgwu."3983+<390x0422;. "3"urge0

Ncg o qr j nqkf cg

*Cryptolestes duplicatus**Ycnvn."3:5;<";0x0422;."3"urgle0

*Notolaemus castaneus**Gtkejuqp."3:67+<"490xk0422;."3"urgle0="50xkk0422;."3"urgle0

Et{rvqrjcikfcg

Atomaria analis"Gtkejuqp."3:68<"50xkk0422;."3"urgle0

Atomaria atricapilla"Uvgrjgpcu."3:52<";0x0422;."3"urgle0="40xkk0422;."3"urgle0

Atomaria basalis"Gtkejuqp."3:68<"50xkk0422;."3"urgle0

*Atomaria fuscata**Uej³/₄pjgtt."3:2: +<"360kk0422;."3"urgle0."kp"İqqf"fgdtku=";0x0422;."4"urgle0="360xk0422;."3"urgle0="50xkk0422;."5"urgle0="40xkk0422;."3"urgle0="60z0422;."3"urgle0

Atomaria linearis Uvgrjgpcu."3:52<"360kk0422;."3"urgle0."kp"İqqf"fgdtku=";0x0422;."4"urgle0="350xk0422;."3"urgle0="490xk0422;."3"urgle0="50xkk0422;."3"urgle0

Atomaria nigrirostris Uvgrjgpcu."3:52<";0x0422;."3"urgle0="50xkk0422;."3"urgle0

Cryptophagus distinguendus"Uvwt o."3:67<"480xk0422;."3"urgle0

Cryptophagus pallidus Uvwt o."3:67<"60z0422;."7"urgle0."tkrg"ejggug="450z0422;."3"urgle0."tkrg"ejggug0

Cryptophagus parallelus"E0"Dtkuqvw"fg"Dctpgxkng."3:85<"50xkk0422;."3"urgle0

Cryptophagus punctipennis"E0" P0" H0" Dtkuqvw" fg" Dctpgxkng."3:85<"50xkk0422;."4"urgle0="520xkk0422;."4"urgle0="60z0422;."3"urgle0."tkrg"ejggug0

Et{rvqrjc iwu"tgİgzwu"Tg{."3: :;<"60z0422;."3"urgle0."tkrg"ejggug="450z0422;."3"urgle0."tkrg"ejggug0

Cryptophagus uncinatus"Uvgrjgpcu."3:52<"80kz0422;."3"urgle0."qp"fgec{kp"İcr rngu0

Ephistemus reitteri"Ecug{."3:22<";0x0422;."3"urgle0="60z0422;."6"urgle0."ukhvf"htq o" xctkqwu" qti cpke" o cwggt0

Micrambe woodroffei"Lqjpuqp."4229<"360xk0422;."3"urgle0

*Ootyplus globosus**Ycnvn."3:5: +<"360kk0422;."3"urgle0."kp"İqqf"fgdtku0

Gtqv{nkfcg

*Dacne bipustulata**Vjwpdgti."39:3+<"70xkk0422;."7"urgle0

*Vtkrncz"twErgu**Hcdtkekwu."39:9+<"50xkk0422;."32"urgle0

D{vwtkfcg

*Byturus ochraceus**Uetkdc."39:2+<"90xk0422;."4"urgle0="350xk0422;."3"urgle0="422;."4"urgle0

*Byturus tomentosus**F g"İ ggt."3996+<";0x0422;."3"urgle0

Egt{ıqpkfcg

Cerylon fagi"E0"Dtkuqvw"fg"Dctpgxkng."3:89<"60z0422;."3"urgle0."ukhvf"htq o" xctkqwu" qti cpke" o cwggt0

Cerylon ferrugineum Uvgrjgpcu."3:52<"60z0422;."4"urgle0."ukhvf"htq o" xctkqwu" qti cpke" o cwggt0

*Cerylon histeroides**Hcdtkekwu."39:4+<"480xk0422;."3"urgle0="50xkk0422;."4"urgle0

Gpfaq {ejkfcg

*Endomychus coccineus**Nkppcgwu."397: +<"70xkk0422; .5"urgle0

Mycetina cruciata *Uejcmngt."39: 5+<"480xk0422; ."6"urgle0

Symbiotes latus"Tgfvdpdcejgt."3: 6;<"480xk0422; ."3"urgle0."kp"ft{"yqqf"fgdtku"kpukfg"vtgg"
hollow (on tree base) of huge old *Fraxinus excelsior*."Rcxgn"Rt fgm"fgw0

Eqeekpgmkfcg

*Adalia decempunctata**Nkppcgwu."397: +<"50x0422; ."3"urgle="390x0422; ."3"urgle0

*Calvia decemguttata**Nkppcgwu."3989+<"50x0422; ."3"urgle0

*Ceratomegilla undecimnotata**F0"J0"Uejpgkfgt."39; 4+<"90xk0422; ."3"urgle0

Coccinella septempunctata septempunctata"Nkppcgwu."397: <"50x0422; ."3"urgle0

*Exochomus quadripustulatus**Nkppcgwu."397: +<"390x0422; ."3"urgle="360xk0422; ."3"urgle0

*Hippodamia tredecimpunctata**Nkppcgwu."397: +<"50xkk0422; ."3"urgle0

*Hyperaspis concolor**Uwhhtkcp."3: 65+<"390x0422; ."3"urgle="50xkk0422; ."3"urgle0

*Propylea quatuordecimpunctata**Nkppcgwu."397: +<"50x0422; ."8"urgle0

*Psyllobora vigintiduopunctata**Nkppcgwu."397: +<"50x0422; ."3"urgle="520xkk0422; ."3"urgle0

*Stethorus punctillum**Ygkug."3: ; 3+<"; 0x0422; ."3"urgle0

Eqt{nrjkfcg

Corylophus cassidoides *Octujco."3: 24+<"360kk0422; ."5"urgle0."kp"lqqf"fgdtku="; 0x0422; ."4"urgle0

*Orthoperus brunnipes**I {nngpjcn."3: 2: +<"; 0x0422; ."3"urgle0

Orthoperus corticalis *Tgfvdpdcejgt."3: 67+<"; 0x0422; ."3"urgle0

*Sericoderus lateralis**I {nngpjcn."3: 49+<"; 0x0422; ."3"urgle="80kz0422; ."3"urgle0."qp"fgcc{kipi"
crrngul0

Nevtkfkfcg

*Cartodere nodifer**Yguyyqqf."3: 5; +<"360xk0422; ."3"urgle0

*Corticara gibbosa**Jgtduv."39; 5+<"; 0x0422; ."3"urgle="350xk0422; ."3"urgle="360xk0422; ."3"urgle="50xkk0422; ."3"urgle="40xkk0422; ."3"urgle="60z0422; ."4"urgle0."ukhvgf"htqo"xctkqwu"
qtiecpke"ocvgt0

*Melanophthalma transversalis**I {nngpjcn."3: 49+<"350xk0422; ."4"urgle0

*Stephostethus angusticollis**I {nngpjcn."3: 49+<"; 0x0422; ."3"urgle0

O {egvqrjckfcg

*Litargus connexus**I gqhhtq{."39: 7+<"70xkk0422; ."4"urgle0

*Triphyllus bicolor**Hcdtkekwu."3999+<"70xkk0422; ."4"urgle0

Ekkfcg

*Cis boleti**Ueqrqnk."3985+<"90xk0422; ."3"urgle0

*Cis castaneus** J gtduv."39;5+<"422;."9"urgle0"*tgctgf"htq o"jctf"rqn{ rqtg+0
Cis micans *Hcdtkek wu."39;4+<"390xk0422;."4"urgle0="90xk0422;."3"urgle0="360xk0422;."3"urgle0
Octotemnus glabriculus * I {nmgp jcn."3:49+<";0x0422;."3"urgle0
Orthocais alni * I {nmgp jcn."3:35+<"360xk0422;."3"urgle0
*Sulcacis fronticornis**Rcp|gt."3:27+<"390xk0422;."6"urgle0

Vgvtcvq o k f c g

Tetratoma ancora"Hcdtkek wu."39;2<"70xk0422;."6"urgle0

Ognpcft {k f c g

*Anisoxya fuscularis**Knnk i gt."39; :+<"350xk0422;."3"urgle0
Conopalpus testaceus *Qnkkxkt."39;2+<"360xk0422;."4"urgle0
Melandrya barbata"*Hcdtkek wu."39:9+<";0x0422;."3"urgle0."dgcvgp"htq o"tqwi jn{ "7" {gct"qnf"
windthrown *Tilia cordata*"vtwpm"*crtrtqz k o cvgn{ "52"e o"kp"fk c o gvgt+"rtqr r g f"ci ckpuv"nkxkpi"
vtgg."kp"ug o ku j c f g f" jcdkvcv0
Orchesia minor Ycnmgt."3:59<"360xk0422;."8"urgle0
Orchesia undulata"Mtccv|."3:75<"360xk0422;."5"urgle0

Oqtfgnkf c g

Mordella brachyura brachyura Ownucpv."3:78<"90xk0422;."9"urgle0="360xk0422;."3"urgle0="40xkkk0422;."9"urgle0
Mordella holomelaena holomelaena"Crhgndgem."3;36<"390xk0422;."4"urgle0
Mordellistena bicoloripilosa"Gt o kue j."3;89<"422;."3"urgle0
Mordellistena humeralis"*Hcdtkek wu."397: +<"40xkkk0422;."3"urgle0
*Mordellistena neuwaldeggiana**Rcp|gt."39;8+<"40xkkk0422;."6"urgle0
Mordellistena variegata"*Hcdtkek wu."39; :+<"90xk0422;."4"urgle0="40xkkk0422;."3"urgle0
Mordellistena inexpectata Gt o kue j."3;89<"350xk0422;."3"urgle0
Mordellochroa abdominalis"*Hcdtkek wu."3997+<"90xk0422;."6"urgle0
Tomoxia bucephala"Equvc."3:76<"360xk0422;."3"urgle0
*Variimorda briantea**Eq o qnmk."3:59+<"50xkkk0422;."3"urgle0

\qrjgtk f c g

Bitoma crenata"*Hcdtkek wu."3997+<"390xk0422;."3"urgle0

Vgpgdtkqpk f c g

Corticeus unicolor"Rknngt"gv"Okvgt rce jgt."39:5<"90xk0422;."3"urgle0="350xk0422;."3"urgle0
Diaperis boleti"*Nkppcgwu."397: +<"520xkkk0422;."3"urgle0
Lagria atripes"Ownucpv"gv" I wknngdgcw."3:77<"360xk0422;."4"urgle0="490xk0422;."3"urgle0="50xkkk0422;."3"urgle0."cnn"Xncfk o {t"TMxk jnc" fgv0
Mycetochara linearis"*Knnk i gt."39;6+<"390xk0422;."5"urgle0."Lk ¶"X^axtc" fgv0
Stenomax aeneus"Ueqrqnk."3985<"320xk0422;."3"urgle0="90xk0670xk0422;."3"urgle0."RHV0

Qgfgogtkfcg

Oedemera femorata *Ueqrqnk."3985+<"350xk0422;."3"urgle0

Oedemera virescens *Nkppcgwu."3989+<"390xk0422;."4"urgle0="90xk0422;."4"urgle0

R{tqejtqkfcg

Agnathus decoratus * I gt o ct."3:3:<";0x0422;.:."urgle0="390xk0422;."3"urgle0."qp"vtgggu"hcngp"vq"

vjg"tkxgt."vjg"urglekg o gpu"ygtg"eqmgevfg"qp"vtwpmu"cdqxxg"vjg"y cvgt"ngxgn0

Pyrochroa coccinea *Nkppcgwu."3982+<";0x0422;."3"urgle0="350xk0422;."3"urgle0

Pyrochroa serraticornis serraticornis *Ueqrqnk."3985+<"50xk0422;."3"urgle0=";0x0422;."5"urgle0

Schizotus pectinicornis *Nkppcgwu."397: +<"330xk0422;."3"urgle0=";0x0422;."3"urgle0

Ucarkpikfcg

Lissodema cursor * I { nngpjcn."3:35+<"50xk0422;."5"urgle0

Lissodema denticolle * I { nngpjcn."3:35+<"50xk0422;."4"urgle0

Salpingus planirostris *Hcdtkewu."39:9+<"360xk0422;."5"urgle0

Xkpegp |gnmwu"twLeqnnku *Rcp |gt."39:6+<"480xk0422;."3"urgle0="70xk0422;."4"urgle0

Cpvjkekfcg

Notoxus monoceros *Nkppcgwu."3982+<";0x0422;."6"urgle0

Cfgtkfcg

Phytoabaenus amabilis "T0"HI"Uc jndgti."3:56<"40xk0422;."3"urgle0

Uetcrvkkfcg

Anaspis brunnipes O wnu cpv."3:78<"90xk0422;."3"urgle0

Cpcurku"t exc *Nkppcgwu."397: +<"422;."3"urgle0

Anaspis frontalis *Nkppcgwu."397: +<"50xk0422;."5"urgle0="390xk0422;."3"urgle0="90xk0422;."3"urgle0="

360xk0422;."4"urgle0="40xk0422;."3"urgle0

Anaspis marginicollis "Nk pfdgti."3:47<"390xk0422;."3"urgle0="480xk0422;."3"urgle0

Anaspis palpalis * I gt jctfv."3:98+<"90xk0422;."4"urgle0

Cpcurku"twLncdtku * I { nngpjcn."3:49+<"40xk0422;."3"urgle0

Egto d{ekfcg

Agapanthia villosoviridescens *Fg" I ggt."3997+<";0x0422;."3"urgle0="90xk0422;."3"urgle0

Alosterna tabacicolor tabacicolor *Fg" I ggt."3997+<";0x0422;."4"urgle0="90xk0422;."3"urgle0

Anaglyptus mysticus *Nkppcgwu."397: +<"50xk0422;."3"urgle0=";0x0422;."3"urgle0

Anoplodera sexguttata *Hcdtkewu."3997+<"90xk0422;."7"urgle0

Ejnjqtqr jqtwu"Liwtcvwu *Ueqrqnk."3985+<"90xk0422;."3"urgle0

*Clytus arietis arietis**Nkppcgwu."397 : +<"320x0422 ; . "3"urgle0
*Dinoptera collaris**Nkppcgwu."397 : +<"320x0422 ; . "3"urgle0="90xk0422 ; . "3"urgle0
*Exocentrus lusitanus**Nkppcgwu."3989+<"90xk0422 ; . "3"urgle0="360xk0422 ; . "6"urgle0="50xkk0422 ; . "4"urgle0
*I t c o o qrvgtc'twLeqtpku**Hcdtkewu."39 : 3+<"50x0422 ; . "6"urgle0="320x0422 ; . "3"urgle0="90xk0422 ; . "3"urgle0
*Grammoptera ustulata**Uejcimgt."39 : 5+<"0x0422 ; . "4"urgle0
Leiopus linnei" Ycmkp." P {ncpfgt"gv" Mxcoog."422 ; <" ; 0x0422 ; . "3"urgle0="320x0422 ; . "3"urgle0="90xk0422 ; . "3"urgle0
Leptura aethiops"Rqfc."3983<"90xk0422 ; . "3"urgle0
Leptura annularis annularis Hcdtkewu."3 : 23<"90xk0422 ; . "4"urgle0="422 ; . "3"urgle0
Leptura quadrifasciata quadrifasciata Nkppcgwu."397 : <"50xkk0422 ; . "3"urgle0
*Mesosa nebulosa**Hcdtkewu."39 : 3+<" ; 0x0422 ; . "3"urgle0
*Oplosia cinerea**Owmucpv."3 : 5 ; +<" ; 0x0422 ; . "4"urgle0
Pachytodes cerambyciformis *Uejtcpm."39 : 3+<"390x0422 ; . "4"urgle0
*Phytoecia cylindrica**Nkppcgwu."397 : +<" ; 0x0422 ; . "4"urgle0="390x0422 ; . "4"urgle0="350xk0422 ; . "3"urgle0
*Pidonia lurida**Hcdtkewu."39 ; 4+<" ; 0x0422 ; . "3"urgle0="390x0422 ; . "4"urgle0="90xk0422 ; . "3"urgle0
Poecilium alni alni *Nkppcgwu."3989+<"320x0422 ; . "3"urgle0
*Pogonocherus hispidus**Nkppcgwu."397 : +<"320x0422 ; . "3"urgle0="360xk0422 ; . "4"urgle0
*Prionus coriarius**Nkppcgwu."397 : +<"50xkk0422 ; . "3"fgcf"urgle0
*Pseudovadonia livida livida**Hcdtkewu."3999+<"490xk0422 ; . "3"urgle0
*Rhagium mordax**Fg" I ggt."3997+<"390x0422 ; . "3"urgle0
Rutpela maculata maculata"Rqfc"xqp"Pgwjcwu."3983<"90xk0422 ; . "4"urgle0
Saperda octopunctata (Scopoli, 1772): 2009, only galleries on thick dead branch of old
Ulmus"ur r0"nkxkpi"qp"uwpp {"rnceg0
*Stenocorus meridianus**Nkppcgwu."397 : +<"390x0422 ; . "3"urgle0="350xk0422 ; . "3"urgle0
*Stenostola dubia**Nckejctvki."39 : 6+<"50x0422 ; . "6"urgle0=" ; 0x0422 ; . "3"urgle0
Stenostola ferrea ferrea *Uejtcpm."3998+<" ; 0x0422 ; . "3"urgle0
*Stenurella melanura**Nkppcgwu."397 : +<"90xk0422 ; . "3"urgle0="490xk0422 ; . "3"urgle0
*Stictoleptura maculicornis maculicornis**Fg" I ggt."3997+<"90xk0422 ; . "4"urgle0
*Tetrops praeustus praeustus**Nkppcgwu."397 : +<"320x0422 ; . "3"urgle0="360xk0422 ; . "4"urgle0
Tetrops starkii"Ejgxtqncv."3 : 7 ; <"360xk0422 ; . "3"urgle0="490xk0422 ; . "3"urgle0

Qtuqfcepfcg

*Orsodacne cerasi**Nkppcgwu."397 : +<"50x0422 ; . "34"urgle0

Ej t {uq o gnkfcg

Aphthona ovata"Hqwftcu."3 : 7 ; <"50xkk0422 ; . "3"urgle0
*Aphthona venustula**Mwvuejgtc."3 : 83+<"360xk0422 ; . "3"urgle0
*Bruchidius varius**Qnkxkgt."39 ; 7+<"50x0422 ; . "3"urgle0
Cassida denticollis"Uwhhtkcp."3 : 66<"90xk0422 ; . "3"gz="350xk0422 ; . "3"urgle0
Cassida rubiginosa rubiginosa"Q0"Hi"O Änngt."3998<"90xk0422 ; . "3"urgle0="350xk0422 ; . "3"urgle0

Cassida sanguinosa"Uwhhtkcp."3:66<"90xk0422;. "3"urget0
Cassida vibex"Nkppcgwu."3989<"350xk0422;. "3"urget0
Chaetocnema concinna"*Octujco."3:24<"40xkk0422;. "4"urget0
Chaetocnema picipes Uvgrjgpcu."3:53<"40xkk0422;. "3"urget0
Chrysolina oricalcia"*Q0"HI"OÁmgt."3998+<"50xkk0422;. "3"urget0
Chrysolina varians"*Uejcmgt."39:5+<"350xk0422;. "3"urget0="70xkk0422;. "3"urget0="40xkk0422;. "4"urget0
Chrysomela populi Nkppcgwu."397:<"350xk0422;. "3"urget0
Chrysomela vigintipunctata vigintipunctata"*Ueqrqnk."3985+<";0x0422;. "3"urget0"
Clytra laeviuscula"Tcv|gdwti."3:59<"390x0422;. "3"urget0="90xk0422;. "3"urget0
Crepidodera aurata"*Octujco."3:24+<"422;. "3"urget0
Cryptocephalus moraei *Nkppcgwu."397: +<"40xkk0422;. "3"urget0
Cryptocephalus pusillus"Hcdtkewu."3999<"70xk0422;. "3"urget0
Cryptocephalus querceti"Uwhhtkcp."3:6:<"40xkk0422;. "3"urget0
Cryptocephalus transiens"Htcp|."3:6;<"422;. "3"urget0
Gastrophysa viridula viridula"*Fg" I ggt."3997+<"350xk0422;. "3"urget0="422;. "3"urget0
Gonioctena linnaeana linnaeana *Uejtcpm."39:3+<"390x0422;. "3"urget0="90xk0422;. "9"urget0
Hermaeophaga mercurialis"*Hcdtkewu."39:4+<"90xk0422;. "3"urget0="50xkk0422;. "3"urget0
Labidostomis longimana"*Nkppcgwu."3982+<"490xk0422;. "3"urget0
Liliocerus lili"*Ueqrqnk."3985+<"350xk0422;. "4"urget0
Longitarsus brunneus"*Fwhvuj o kf."3:47+<"350xk0422;. "3"urget0
Longitarsus luridus luridus"*Ueqrqnk."3985+<"350xk0422;. "3"urget0="50xkk0422;. "3"urget0="520xkk0422;. "3"urget0
Longitarsus lycopi"*Hqwf tcu."3:82+<"50x0422;. "3"urget0
Longitarsus pulmonariae"Ygkug."3:;5<"350xk0422;. "3"urget0="40xkk0422;. "3"urget0
Neocrepidodera ferruginea"*Ueqrqnk."3985+<"50xkk0422;. "3"urget0="422;. "3"urget0
Oomorphus concolor"*Uvwt o."3:29+<"90xk0422;. "3"urget0
Oulema gallaeciana"Jg{ fgp."3:92<"40xkk0422;. "4"urget0="50xkk0422;. "3"urget0
Oulema melanopus"*Nkppcgwu."397: +<"40xkk0422;. "4"urget0
Phaedon cochleariae cochleariae"*Hcdtkewu."39:4+<"390x0422;. "3"urget0
Phyllotreta nemorum"*Nkppcgwu."397: +<";0x0422;. "3"urget0
Phyllotreta nigripes nigripes"*Hcdtkewu."3997+<"40xkk0422;. "3"urget0
Phyllotreta ochripes"*Ewtku."3:59+<"70xkk0422;. "3"urget0
Phyllotreta vittula"*N0" Tgfvdpdcejgt."3:6; +<"40xkk0422;. "3"urget0="80kz0422;. "3"urget0."qp"fgec { -
kp i" cr rngu="60z0422;. "3"urget0."ukhvgf"htq o"xctkqwu"qt icpke" o cvgt0
Psylliodes napi"*Hcdtkewu."39:4+<"90xk0422;. "3"urget0="50xkk0422;. "3"urget0="520xkk0422;. "3"urget0="422;. "3"urget0
Psylliodes picina"*Octujco."3:24+<"40xkk0422;. "4"urget0

Cpvjtkdkfcg

Anthribus nebulosus"Hqtuvgt."3993<"50x0422;. "3"urget0="390x0422;. "3"urget0
Dissoleucas niveirostris"*Hcdtkewu."39:; +<";0x0422;. "3"urget0="70xkk0422;. "3"urget0
Enedreytes sepicola"*Hcdtkewu."39:4+<"50xk0422;. "3"urget0

Cvvgncdkfcg

*Apoderus coryli**Nkppcgwu."397:+"490xk0422;."3"urge0
*Attelabus nitens**Ueqrqnk."3985+<;0x0422;."3"urge0
*Byctiscus populi**Nkppcgwu."397:+"<;0x0422;."3"urge0
*Caenorhinus aequatus**Nkppcgwu."3989+<;0x0422;."3"urge0
*Pselaphorhynchites nanus**Rc{mwmn."39;4+<;0x0422;."3"urge0

Dtgpvkfcg

*Betulapion simile**Y0"MktD{."3:33+<"40xkkk0422;."4"urge0
*Ceratapion onopordi**Y0"MktD{."3:2:+"90xk0422;."3"urge0="422;."3"urge0
*Kalcapion pallipes**Y0"MktD{."3:2:+"40xkkk0422;."9"urge0
*Protapion apricans**Jgtduv."39;9+<;0x0422;."3"urge0
*Protapion fulvipes**Iqghhtq{."39:7+<"40xkkk0422;."3"urge0
*Squamapion elongatum**Igtocct."3:39+<"360kkk0422;."3"urge0."kp"lqqf"fgdtku="350xk0422;."3"urge0
*Taeniapion urticarium**Jgtduv."39:6+<;0x0422;."3"urge0="360xk0422;."3"urge0="40xkkk0422;."3"urge0

Ewtewnkqpkfcg

*Acalles camelus**Hcdtkekwu."39;4+<"480xk0422;."3"urge0="70xk0422;."3"urge0="90xk0670xk0422;."4"urge0."RHV0
*Acalles fallax*Dqjgocp."3:66<"90xk0670xk0422;."3"urge0."RHV0
*Alophus triguttatus vau**Uejtcpm."39:3+<"422;."3"urge0
*Archarius pyrrhoceras**Octujco."3:24+<"50x0422;."5"urge0="360xk0422;."6"urge0
*Baris artemisiae**Jgtduv."39;7+<;0x0422;."3"urge0
*Barynotus obscurus**Hcdtkekwu."3997+<"90xk0670xk0422;."3"urge0."RHV0
*Barypeithes chevrolati**Dqjgocp."3:65+<"422;."3"urge0
*Egwqqtj{pejwu}tqtcnku**Jgtduv."39;7+<;0x0422;."4"urge0
Ceutorhynchus scrobicollis"Pgtgujgkogt"gv"Ycipgt."3:46<"360xk0422;."3"urge0
Cionus longicollis montanus"Ykpi gn o Anngt."3:36<"90xk0422;."3"urge0
*Coeliastes lamii**Hcdtkekwu."39;4+<;0x0422;."3"urge0
*Coeliodes ruber**Octujco."3:24+<;0x0422;."3"urge0
*Cotaster uncipes**Dqjgocp."3:5:+"60z0422;."3"urge0."ukhvgf"htqo"xctkqwu"qticpke"ocwvgt0
Curculio glandium"Octujco."3:24<"50x0422;."5"urge0="390x0422;."4"urge0="360xk0422;."5"urge0="490xk0422;."3"urge0
Curculio nucum"Nkppcgwu."397:<"50x0422;."3"urge0="390x0422;."3"urge0
Dorytomus dejeani"Hcwuv."3:4<"90xk0422;."3"urge0
*Dorytomus taeniatus**Hcdtkekwu."39:3+<"90xk0422;."3"urge0
Eusomus ovulum"Igtocct."3:46<"422;."3"urge0
Larinus turbinatus"I{mngpjcn."3:57<"90xk0422;."3"urge0
Ngkquoc"fgtzw"*Rcp|gt."39;7+<"90xk0670xk0422;."7"urge0
Liophloeus lentus"Igtocct."3:46<;0x0422;."5"urge0="422;."3"urge0

*Lymantor coryli**Rgttku."3:75+";(x)422;."3"urgle="70xkk0422;."3"urgle
*Magdalis armigera**I gqhtq{."39:7+<390x0422;."3"urgle="360xk0422;."3"urgle
*Nedyus quadrimaculatus**Nkppcgwu."397: +<40xkk0422;."3"urgle
*Neophytobius granatus**I { nngpjcn."3:58+";(x)422;."3"urgle
*Notaris scirpi**Hcdtkekww."39;4+";(x)422;."3"urgle
*Orchestes avellanae**Fqpqxcp."39;9+";(x)422;."4"urgle
*Orchestes testaceus**O Änngt."3998+";(x)422;."4"urgle
*Phyllobius argentatus**Nkppcgwu."397: +<90xk0670xkk0422;."3"urgle="422;."4"urgle
*Phyllobius glaucus**Ueqrqnk."3985+<50x0422;."3"urgle
*Phyllobius maculicornis**Igt o ct."3:46<50x0422;."3"urgle="390x0422;."3"urgle
*Phyllobius oblongus**Nkppcgwu."397: +<50x0422;."3"urgle
*Phyllobius pomaceus**I { nngpjcn."3:56<422;."3"urgle
*Phyllobius vespertinus**Hcdtkekww."39;4+<50x0422;."3"urgle
*Platypus cylindrus**Hcdtkekww."39;4+<490kz0422;."4"urgle
*Polydrusus mollis**Uvt¼ o."398: +<90xk0422;."3"urgle
*Polydrusus sericeus**Uej cmgt."39:5-<90xk0422;."3"urgle="422;."3"urgle
*Poophagus sisymbrii**Hcdtkekww."3999+<390x0422;."3"urgle
*Rhinocyllus conicus**Ht³änkej."39;4+<90xk0422;."3"urgle
*Rhinusa bipustulata**Tquuk."39;4+<90xk0422;."4"urgle
*Rhynchaenus populicola**Uknhxgtdgti."3:99<";(x)422;."3"urgle
*Rhynchaenus salicis**Nkppcgwu."397: +<40xkk0422;."3"urgle
*Sciaphilus asperatus**Dqpu fqthh."39:7+<90xk0422;."3"urgle="350xk0422;."4"urgle="50xkk0422;."4"urgle="70xkk06:0xkkk0422;."3"urgle."RHV0
*Scolytus intricatus**Tcv |gdwti."3:59+<360xk0422;."3"fgcf"urgle
*Scolytus mali**Dgejuvqkp."3:27+<422;."qpn{ "icmngtkgu."Qvq" Pcmnª fcn"fgv0
*Scolytus rugulosus**R0" Y0" L0" O Änngt."3:3: +<50xk0422;."3"urgle
*Sitona humeralis**Uvgr jgpu."3:53<520xkkk0422;."3"urgle
*Sitona lepidus**I { nngpjcn."3:56<50xkk0422;."3"urgle
*Sitona lineatus**Nkppcgwu."397: +<350xk0422;."3"urgle
*Tanymecus palliatus**Hcdtkekww."39:9+<390x0422;."3"urgle="350xk0422;."3"urgle="490xk0422;."4"urgle
*Trachodes hispidus**Nkppcgwu."397: +<360xk0422;."3"urgle="50xkk0422;."3"urgle="90xk0670xkk0422;."3"urgle
*Tropiphorus elevatus**Jgtduv."39;7+<90xk0670xkk0422;."3"urgle."RHV0
*Xyleborus dispar**Hcdtkekww."39;4+";(x)422;."3"urgle
*Xyleborus dryographus**Tcv |gdwti."3:59+<90xk0422;."3"urgle
*Xyleborus monographus**Hcdtkekww."39;4+";(x)422;."3"urgle

DISCUSSION

Vjg"uwtxg{"tgeqtfgf"742"urgekgu"htqo"79"hc o knkgu"kp"Xtcr c "Pcvkqpcn" Pcvwtg" Tgugtxg0
Vyq"qh"vjg"tgeqtfgf"urgekgu"ctg"rtqvgevgf"d{"ncy"kp"vjg"E |gej" Tgrwdnkc<"Carabus scheidleri
(Carabidae) and *Oxythyrea funesta* (Scarabaeidae), both of which are categorised as threa-
vgpgf"urgekgu0"64"cf flvkqpcn"urgekgu"ctg"cnuq"kpenwfgf"kp"vjg" Tgf"nkuv."kpenwfkpi"vjg"etkvecnn{
endangered *Micropeplus longipennis* (Staphylinidae), *Symbiotes latus* (Endomychidae) and

Agnathus decoratus (Pyrochroidae), and the endangered *Carphacis striatus*, *Xantholinus tricolor* (Staphylinidae), *Chaetophora spinosa* (Byrrhidae), *Eucnemis capucina*, *Microrrhagus lepidus* (Eucnemidae), *Stenagostus rhombeus* (Elateridae), *Melandrya barbata* (Melandryidae), *Phytobaenus amabilis* (Aderidae), *Bruchidius varius*, *Cryptocephalus pusillus*, *Gonioctena linnaeana linnaeana*, *Longitarsus brunneus*, *Oomorphus concolor* (Chrysomelidae), and the near threatened *Harpalus progrediens* (Carabidae), *Adrastus rachifer*, *Ampedus sanguinolentus* (Elateridae), *Saperda octopunctata* (Cerambycidae), *Enedreytes sepicola* (Anthribidae), *Acalles camelus*, *Acalles fallax*, *Cotaster uncipes*, *Neophytobius granatus*, *Trachodes hispidus* (Curculionidae), and the vulnerable *Acupalpus luteatus* (Carabidae), *Aeletes atomarius** Jkwgtkfcg+."Cypha curtula, Euryusa sinuata, Ochtheophilus omalinus, Thamiaraea cinnamomea (Staphylinidae), Onthophagus verticicornis (Scarabaeidae), Agrilus betuleti, Agrilus convexicollis (Buprestidae), Phosphaenus hemipterus (Lampyridae), Notolaemus castaneus (Laemophloeidae), Endomychus coccineus (Endomychidae), Triphyllus bicolor (Mycetophagidae), Anisoxya fuscata, Conopalpus testaceus (Melandryidae) and Poophagus sisymbrii*Ewtewnkqpkfcg+0

CEMPQYNGF IGOGPVU0Vjcpmu'ctg'f'wg'vq'X^encx'Rqn^gm.g o r nq {gg'qh'v'j'g'cf o kpkvutcvkqp'qh'v'j'g'Nkvxgnum^2' Rq o qtcx^f' Rtqvevgf' Ncpfuecrg' Ctg. 'hq' j'ku' m'k'p'f' j'gn' r'v'k'j' eqn'gev'k'p' i' r'gt o'k'v'c'p'f' cuukv'c'p'g' y'k'v' L'gn'f' y'q't'm'0'k'c'o' q'dnk' i'g'f'v'q'c'm'v'j'q'g' y'j'q'k'f'g'p'k'g'f' d'g'v'g'u'q'h' r'ct'v'k'w'c't'hc' o'k'k'g'u'0' V'j'k' r'c'r'g't' y'c'u' y' t'k'w'g'p'k'p'v'j'g' h'tc' o'g'y'q't'm'q'h'v'j'g' t'g'ug't'e'j' r't'q'l'g'e'v' P'c' \X'S' J' 3358'c'p'f' P'c' \X'S' J' ; 32; 90

REFERENCES

- 69N8 ? 5 D'8&SS: \rt'ac'x'q'x' u'ng'f'e'j' /qq'q'ikem^2'j'q'k'p'x'g'p'v't'k' /c' p'f'j'q'rt' /m'w'ow' r't'q'x'g'f'g'p^2'j'q'x't'q'eg'4222'p'c' A'j'g'o'f' P'RR'V' g'u'p'x'E'J'MQ'Nkvxgnum^2'Rq o qtcx^f' [T'g'r'q't'v'q'p'v'j'g' t'g'u'w'u'q'h'c' h'c'w'p'l'u'k'e'k'p'x'g'p'v't'k' /o'c'f'g'k'p'4222' k'p'v'j'g'V' g'u'p'P'c'w'k'p'c'n'P'c'w'v'g' O'q'p'w'o'g'p'v'k'p'v'j'g'Nkvxgnum^2'Rq o qtcx^f' Rtqvevgf' Ncpfuecrg' Ctg. Unpublished o'c'p'w'u'e't'r'w'0' F'g'r'q'u'k'v'f'k'p'c'f' o'k'p'k'v'ut'c'v'k'q'p'q'h'v'j'g'Nkvxgnum^2'Rq o qtcx^f' RNC. Nkvxgn. 74' r'r'0'k'p'E |g'e'j'+0
- 6@5< CI ú9? C"% -+; R' f'ur' x'g'm'm' r'q'p'p'f' g'm'q'n'q' i'k'g' u'w' g'x'i'f'm'q'x'v' e'j' n'v'f'l'p'f'j'q'ng'uc'x'E'J'MQ'Nkvxgnum^2'Rq o qtcx^f' p'om'oc'i' m'e't'o'd'y' e't'h'y'l'e'n'g'ly'k'o'l'o'v'ý'c'h' f'o'r'm'a'l'i'n'o'v'ý'c'h' p'a's't'i' (Col., Carabidae). [Contribution to the knowledge of v'j'g'g'e'a'q'i' { 'q'h' i' t'q'w'p'f' d'g'v'g'u' *E'q'm'0. 'E'c't'c'd'k'f'c'g'q'h'v'j'g' l'q'q'f'r'n'c'k'p' h'q't'g'w'k'p'v'j'g'Nkvxgnum^2'Rq o qtcx^f' Rtqvevgf' L'a'n'd's'c'a'p'e' A'ea' u's'ing' p'i't'f'a'l' l'a'n'd's'c'a'p'e' b'y' e't'h'y'l'e'n'g'ly'c'o'l' a'n'd' f'o'r'm'a'l'd'e'h'y'd'e'0' W'p'r'w'd'n'k'u'j'g'f' f'r'k'r'q' o'c'v'j'g'u'k'u'0' F'g'r'q'u'k'v'f'k'p'c' H'c'e'w'v' { 'q'h'U'ek'g'p'eg' R'c'i'c'e'm' W'p'k'x'g't'u'k' { 'Q'n'q' o'q'w'e.'; 9' r'r'0'k'p'E |g'e'j'+0
- 6@5< I HD%, *: Faunistico-ekologická studie tracheat hrabanky listnatého lesa. [Afaunistic and ecological study of the Tracheata of forest litter in a deciduous forest.0' W'p'r'w'd'n'k'u'j'g'f' f'r'k'r'q' o'c'v'j'g'u'k'u'0' F'g'r'q'u'k'v'f'k'p'c' F'g'r'c't'v'o'g'p'v'q'h' \q'n'q' i' { 'H'c'e'w'v' { 'q'h'U'ek'g'p'eg' R'c'i'c'e'm' W'p'k'x'g't'u'k' { 'Q'n'q' o'q'w'e.'88' r'r'0'k'p'E |g'e'j'+0
- 6CI ? 5@A "/ HFàJ Bâ 9? 8"% - <H'c'w'p'l'u'k'e' T'g'e'q't'f'u' h't'q' o'v'j'g'E |g'e'j' T'g'r'w'd'n'k'e'6'460' E'q'n'q'r'v'g't'c' F' {v'k'ue'k'f'c'g' J' {f't'q'r'j'k'n'k'f'c'g' I' g'q't'k'u'k'f'c'g' U'n'k'x'c'p'k'f'c'g'0' K'l'a'p'a'l'e'k'i'ana 31<8768: 0
- 6CI ? 5@A "/ HFàJ Bâ 9? 8"% - <P'g'y' t'g'e'q't'f'u'q'h' E'q'n'q'r'v'g't'c' *J' c'n'k'r'n'k'f'c'g' J' {f't'q'r'j'k'n'k'f'c'g' D' {t't'j'k'f'c'g' h't'q' o' U'n'q'x'c'm'k'c'p'f' O'q't'c'x'c'k'0' Biologia, 53<88568860
- 6CI ? 5@A "% -): H'c'w'p'l'u'k'e'm'q'g'm'q'n'q' i'k'em' x' /m'w'ow'x'd't'c'p' e'j' g'ng'f' d't'q'w'm' o'q'm' c'f' E'J'MQ'Nkvxgnum^2'Rq o q' r'av'i'. [A faunistic and ecological study of selected beetle families in wetland areas in the Litovelské Pomoraví Protected Landscape Area.0' W'p'r'w'd'n'k'u'j'g'f' o'c'p'w'u'e't'r'w'0' F'g'r'q'u'k'v'f'k'p'c'f' o'k'p'k'v'ut'c'v'k'q'p'q'h'v'j'g'Nkvxgnum^2'Rq o qtcx^f' RNC. Nkvxgn. 35' r'r'0'k'p'E |g'e'j'+0
- 6CI ? 5@A "% - +a: \j'q'f'p'q'g'p'f' o' p'f'e'j'j'q'ug' u'q'l'f'p'f'f't'w'j' x'q'f'p'f'j'g' u'w'v' e'q'n'q'r'v'g't' o'q'm' c'f' E'J'MQ'Nkvxgnum^2'Rq o q' t'c'x^f' r'g'w'o' n^2' o'x'v'x'q' g'p'p'q'x' e'j' d'k'q'v'r' 0' [Evaluation of changes in aquatic beetle (s.l.) communities in wetland t'g'c'u'k'p'v'j'g'Nkvxgnum^2'Rq o qtcx^f' Rtqvevgf' Ncpfuecrg' Ctg'c' h'v'g't'v'j'g' e't'g'c'v'k'q'p'q'h'p'g'y'c't'v'k' L'ek'c'n' d'k'q'v'r'q'g'u'0' W'p'r'w'd'n'k'u'j'g'f' o'c'p'w'u'e't'r'w'0' F'g'r'q'u'k'v'f'k'p'c'f' o'k'p'k'v'ut'c'v'k'q'p'q'h'v'j'g'Nkvxgnum^2'Rq o qtcx^f' RNC. Nkvxgn. 9' r'r'0'k'p'E |g'e'j'+0
- 6CI ? 5@A "% - +d< F'q'u'w'f' |p' a' o'2' n'q'm'c'k'v' { 'E'g't'e' {q'p' *R'c't'c'e' {e't'g'q'p' n'c' o'k'p'c'w'u'c' E't' {r'v'q'ng'w't'w' o' u'w'd'k'ng'x' g'u'm^2' c'U'n'q'g'p'u'm^2' T'g'r'w'd'n'k'g'c' r'q'l'p' a' o'm' { 'm'g'm'q'n'q' i'k'k'v' e'j'v'q'f't'w'j' *E'q'n'q'r'v'g't'c' J' {f't'q'r'j'k'n'k'f'c'g' U'r'j'c'g't'k'f'k'p'c'g'0' *V'j'g' l'o'c'a'l'i't'ie's' o'f' C'e'r'c'y'on' (P'a'r'ac'y'r'e'o'n) l'a'm'i'n'a't'u's' a'n'd' C'r'y'p't'o'p'l'e'u'r'u'm' s'u'b't'i'l'e' h'i't'h'e'r'o' k'n'o'w'n' i'n' t'h'e' C'z'e'c'h' a'n'd' S'l'o'v'a'k' T'g'r'w'd'n'k'e' y'k'v'j'g' t'g' o'c't'm'u'q'p'v'j'g'k't'g'e'a'q'i' { *E'q'n'q'r'v'g't'c' J' {f't'q'r'j'k'n'k'f'c'g' U'r'j'c'g't'k'f'k'p'c'g'0' K'l'a'p'a'l'e'k'i'ana 33: 143–149 *k'p'E |g'e'j'. G'p'i'n'k'j' u'w' o'c't' {+0

- 9FB N%- -: *Cerambycidae* *CHKO Litovelské Pomoraví*. [*Cerambycidae (Coleoptera) of Litovelské Pomoraví Protected Landscape Area*]₀Wprwdnkujgf" o cpwuetr₀V Fgrqkvkf"kp<Cf o kpkvctvkqp"qh"vjg" Nkvxqgnum? Rq o qtcx" RNC. "Nkvxqgn. 8" r r 0" *kp" E | g e j +0
- 8989? D'8SS: *Xnkx* o *egpf*hwfplfj'q'nguc'pc'uv' gxnfmqxv²dtqwmf" *Eqngqrvgtc<Ectcdkfcg+₀TEffect of clearcut logging kp<I'q'f rncp' hqtguw' ap'vjg' i' tawpf' dggvngu" *Eqngqrvgtc<Ectcdkfcg+₀Wprwdnkujgf" dce jgnq' t' v j g u k u l " . F g r c t v o g p v ' q h ' G e a q i i { . H c e w n v { " q h ' U e k p e g . R n c n e m " W p l x g t u k v { " Q n q o q w e . 6 3 " r r 0 " * k p " E | g e j + 0
- 8989? D'8SS: *Ecology* qh' *ectcdkf* dggvngu" *Eqngqrvgtc<Ectcdkfcg+₀kp' I'q'f rncp' hqtguw' eap' fkvkqpu'₀ Fkrnq o c' v j g u k u l " F g r q k v g f " k p < F g r c t v o g p v ' q h ' G e a q i i { . H c e w n v { " q h ' U e k p e g . R n c n e m " W p l x g t u k v { " Q n q o q w e . 8 6 " r r 0
- 8-J C? J" % , - : R [ur xgm'n' r q / p " p f' h c w p / u w g x n f m q x v e j " * E q n l . E c t c d k f c g + h k u p c v e j g u " p c x t j q x c p 2 ' e j t " p p 2 " krajinné oblasti Litovelské Pomoraví. [Contribution to the knowledge of the fauna of ground beetles of deciduous forests in the suggested Protected Landscape Area of Litovelské Pomoraví]₀Wprwdnkujgf" fkrnq o c' v j g u k u l " F g r q k v g f " k p < H c e w n v { " q h ' U e k p e g . R n c n e m " W p l x g t u k v { " Q n q o q w e . 3 4 ; " r r 0 " * k p " E | g e j + 0
- JQNGE"X₀4229: *Uv* gxnfmqxv" *Eqngqrvgtc. "Ectcdkfcg+₀c" qmtclqx "ghgm'x' v t c p u g m m w < h w f p l f " h u " o " v k p c 0] G r o u n d b e e t l e s " * E q n g q r v g t c < E c t c d k f c g + c p f ' g e q v a p g k p ' h k p g v t c p u g e v < I q q f r n c p ' h q t g u w ' o ' e n g e t e w u " W p r w d n k u j g f " f k r n q o c ' v j g u k u l " F g r q k v g f " k p < F g r c t v o g p v ' q h ' G e a q i i { " c p f ' C p v j t q r q i i { . H c e w n v { " q h ' U e k p e g . R n c n e m " W p l x g t u k v { " Q n q o q w e . 8 8 " r r 0
- JQTC"R₀422: *Fkwtkdweg* "uv gxnfmqxv e j " * E q n g q r v g t c < E c t c d k f c g - " p c " n g u p f o " g m q v a p w 0] D i s t r i b u t i o n o f g r o u n d d g g v n g u " * E q n g q r v g t c < E c t c d k f c g + a p " h q t g u w ' g e q v a p g . W p r w d n k u j g f " d c e j g n q ' t ' v j g u k u l " B e p q a t e d i p c B e p a t t m e p t q h i G e a q i i { " c p f ' G p x t q p o g p v i c n " U e k p e g u . H c e w n v { " q h ' U e k p e g . R n c n e m " W p l x g t u k v { " Q n q o q w e . 5 7 " r r 0
- <CF = ? C = % + , a : \ r t " x c " q " x u m f w " d t q w m " x " h w f p l f e j " h u f e j " x " q m a n q " U v g p 0 [R e p o r t o n t h e o c c u r r e n c e o f b e e t l e k p ' I q q f r n c p ' h q t g u w ' k p ' v j g ' g p x t t a p u ' q h ' v j g ' U v g " x k m c i g . W p r w d n k u j g f " o c p w u e t r 0 V F g r q k v g f " k p < C f o k p k v c t v k p q ' q h ' v j g " N k v x q g n u m 2 " R q o q t c x " R N C . " N k v x q g n . " : " r r 0 " * k p " E | g e j + 0
- <CF = ? C = % + , b : \ r t " x c " q " x u m f w " d t q w m " x " h w f p l f e j " h u f e j " q m a n q " O n c f g 0 [R e p o r t o n t h e o c c u r r e n c e o f b e e t l e s k p ' I q q f r n c p ' h q t g u w ' k p ' v j g ' g p x t t a p u ' q h ' v j g ' O n c f g " x d m c i g . W p r w d n k u j g f " o c p w u e t r 0 V F g r q k v g f " k p < C f o k p k v c t v k p q ' q h ' v j g " N k v x q g n u m 2 " R q o q t c x " R N C . " N k v x q g n . 9 " r r 0 " * k p " E | g e j + 0
- <CF = ? C = % , & k p x g p v c t k / c p f r t ' j m w o " V g u p c 0 [k p x g p v a t f ' u w f f " q h ' v j g " V g u p f ' j k m . W p r w d n k u j g f " o c p w u e t r 0 V F g r q k v g f " k p < C f o k p k v c t v k p q ' q h ' v j g " N k v x q g n u m 2 " R q o q t c x " R N C . " N k v x q g n . " ; " r r 0 " * w p / r c i k p c v g f . " k p " E | g e j + 0
- <CF = ? C = " 8SS&c< Fq o k p e c p q h ' d g g v n g ' h c o k a k u c ' c p f ' u r g e k u t ' g e q t f g f ' k p c ' i ' q q f r n c p ' h q t g u w ' g e q v a p g 0 " A c t a U n i v e r s i t a t i s P a l a c k i a n a e O l o m o u c e n s i s , F a c u l t a s R e r u m N a t u r a l i u m , B i o l o g i a 5 ; - 6 2 < 6 3 6 8 6
- <CF = ? C = " 8SS&d< Uvcdnkiv' qh' dggvngu' qeewtgppeg' kpukfg' i' q'q'f rncp' hqtguw' 0 " A c t a U n i v e r s i t a t i s P a l a c k i a n a e O l o m o u c e n s i s , F a c u l t a s R e r u m N a t u r a l i u m , B i o l o g i a 5 ; 6 6 2 < 8 7 6 9 ; 0
- <CFB-i9F = 8SSS: *Taj* a " xgm " *Nwecpwu' egtxwv' N0+ " x' E J M Q " Nkvxqgnum² Rq o qtcx" 0 [Stag-beetle (*Lucanus cervus L.*) in the Litovelské Pomoraví Protected Landscape Area]₀Wprwdnkujgf" o cpwuetr₀V Fgrqkvkf"kp<Cf o kpkvctvkqp"qh"vjg" Nkvxqgnum² Rq o qtcx" RNC. "Nkvxqgn. 5" r r 0" *wp/ rci k p c v g f . k p " E | g e j + 0
- ? C A 9F? D' % - +< X u m f v d t q w m " | g u m w r k p U l n r j k f c g c " N g k q f k f c g < E j q n g x k p c g " * E q n g q r v g t c + p c " A | g o f " N k v x q g n u m 2 " R q o q t c x " 0 " * V j g q e e w t g p e g q h ' U l n r j k f c g c p f " N g k q f k f c g c < E j q n g x k p c g " * E q n g q r v g t c + k p " N k v x q g n u m 2 " R q o q t c x " R t q g e i v g f " N e p f u e e r g " C t g c 0 " \ r t " x f " X i n c u k x f p 2 j q " O w | g c " x " Q n q o q w e k 4 9 7 < 3 9 6 4 ; * k p " E | g e j . G p i n k u j " u w o o c t { + 0
- N " DN" K0" (" U O G V C P C " C 0 " * g f u + 4 2 2 5 < E v c n q i w g " q h " R e n c g t e v k e " E a n g q r v g t c . " X q n 0 " 3 < C t e j q u w o c v c " o " O { z r j c i c " o " C f g r j c i c " C r q m q " D q q m u . " U v g p u t w r . " : 3 ; " r r 0
- N " DN" K0" (" U O G V C P C " C 0 (eds) 2004: *Evcnqiwg* "qh" *Rencgctevke* "Eqngqrvgtc. "Xqnl" 4< " J f t q r j k n q k f g c . " J k u v t q k f g c . " S t a p h y l i n o i d e a 0 " C r n q m q " D q q m u . " U v g p u t w r . " ; 6 4 " r r 0
- N " DN" K0" (" U O G V C P C " C 0 (eds) 2006: *Evcnqiwg* "qh" *Rencgctevke* "Eqngqrvgtc. "Xqnl" 5< " U e c t c d c g k f g c " o " U e k v t q k f g c " o " F c u e l q k f g c " o " D w r t g u w k f g c " o " D f t t j q k f g c 0 " C r q m q " D q q m u . " U v g p u t w r . " 8 ; 2 " r r 0
- N " DN" K0" (" U O G V C P C " C 0 " * g f u + 4 2 2 9 < E v c n q i w g " q h " R e n c g t e v k e " E a n g q r v g t c . " X q n 0 " 6 < " G n c v t q k f g c " o " F g t q f q p v k f g c " o " D a w t i e j q k f g c " o " N f o g z f n q k f g c " o " E n g t q k f g c " o " E w e l q k f g c 0 " C r q m q " D q q m u . " U v g p u t w r . " ; 5 7 " r r 0
- N " DN" K0" (" U O G V C P C " C 0 (eds) 2008: *Evcnqiwg* "qh" *Rencgctevke* "Eqngqrvgtc. "Xqnl" 7< " V s p g d t k a p k f g c 0 " C r q m q " D q q m u . " U v g p u t w r . " 8 9 2 " r r 0
- N " DN" K0" (" U O G V C P C " C 0 (eds) 2010: *Evcnqiwg* "qh" *Rencgctevke* "Eqngqrvgtc. "Xqnl" 8< " E j t f u q o g n q k f g c 0 " C r q m q " D q q m u . " U v g p u t w r . " ; 4 6 " r r 0
- A 5 @ C < @ 5 J 5 J " % - : Uv gxnfmqxv' l'cmq'uwv "uv'grki'gqpw'pc'x'dt'cp' e j'w'c'pax'k-v'e'j'x'ngup'o' g'mqu' (w'2'ow'x' Nkvxqgn-ském Pomoraví. [*Carabidae as a part of the epigeon in selected habitats of the forest ecosystem of the Litovelské Pomoraví region*]₀Wprwdnkujgf" fkrnq o c' v j g u k u l " F g r q k v g f " k p < F g r c t v o g p v ' q h ' G e a q i i { " c p f ' C p v j t q r q i i { . H c e w n v { " q h ' U e k p e g . R n c n e m " W p l x g t u k v { " Q n q o q w e . 3 9 4 " r r 0 " * k p " E | g e j . G p i n k u j " u w o o c t { + 0
- B5? @a 85@C" / DF 8? D'8SS : Faunistic records from the Czech Republic – 264 (Coleoptera: Cryptophagifcg+₀ Klapalekiana 44<4; 6)

- B5? @ā 85@C"/ 'Gx F9BGGCB' A " &SS, < Pgy "tgeqtu"qh"vjg"Rvknkfcg"*Eqngqrvgtc+"htq o"vjg"E |gej" Tgrwdnk0
 *Pqx? p"ng| {"ftwj " gngfk"Rvknkfcg"*Eqngqrvgtc+"|" gum" tgrwdnk {+0"Klapalekiana 44<576630
- B5? @ā 85@C" &SS: Uv gxnfmqxv"*Eqngqrvgtc<"Ectcdkfcg+"Nkvxgnum? jq"Rq o qtcx" c"lgk"ej" x{wflkv"m" j qf pqegp"
 mxcnkv" r" tftfp" j" r" tqv g f" ung f q x cp" < q d c i n k 0 [I t w p f d g g v n g u " * E q n g q r v g t c < " E c t c d k f c g + " k p " v j g " N k v x g n u m " R q -
 moravi Protected Landscape Area and their use as bioindicators_0" Wprwdnkujg" f" frknr o c" vjgukul" Fgrqukvg f" kp<
 Hecwv {"qh" Hqtgvt {" |E |gej" Wp l x g t u k v {" q h " C i t k e w n w t g " R t c i w g . " 3 7 6 " r r 0 " * k p " E | g e j + 0
- B5? @ā 85@C" &SS: Rt /mw o" dtqwm " *Eqngqrvgtc+" r q f n k v x g n u m e j " n w j " r t q x g f g e j " x " t q e g " 4 2 2 8 0 [S u r v e y o f
 d g g v n g u " * E q n g q r v g t c + " k p " v j g " l q q f r n c k p " h a t g u u " k p " v j g " u q w j g c u g t p " r c t v " q h " v j g " N k v x g n u m " R q o q t c x " R t q y e v g f "
 N c p f u e c r g " C t g c " k p " 4 2 2 8 . 0 " W p r w d n k u j g f " o c p w u e t r v 0 " F g r q u k v g f " k p < C f o k p k u v t c k a p " q h " v j g " N k v x g n u m " R q o q t c x " R N C . " N k v x g n . " 5 3 " r r 0 " * k p " E | g e j + 0
- B5? @ā 85@C" &SS, < Tguwvu"qh" c" h c w p l u k v e " u w t x g {" q h " d g g v n g u " * E q n g q r v g t c + " k p " i q q f r n c k p " h a t g u u " q h " v j g " N k v x g n u m " ?
 R q o q t c x " R t q y e v g f " N c p f u e c r g " C t g c " * E | g e j " T g r w d n k e . " P q t v j g t p " O q t c x c + " k p " 4 2 2 8 0 " * X u n g f m {" h c w p k u v k e m " j q "
 r t | m w o " d t q w m " * E q n g q r v g t c + " n w j " E J M Q " N k v x g n u m " R q o q t c x " * g u m " t g r w d n k m . " u g x g t p " O q t c x c + " r t q x g f g p " o "
 x " t q e g " 4 2 2 8 + 0 " K l a p a l e k i a n a 4 4 < 4 5 9 6 4 8 ; 0
- DFI B9F '@' / ' A ā 5 D' % - * < Ug | p c o " q d e " c " l g k e j " " a u " f " x " g u m " t g r w d n k e " u " f u n {" o c r q x e j " r q n " r t q " u " q x " ?
 o c r q x " p " h c w p {" 0 " N k u v " q h " u g v n g o g p w " k p " v j g " E | g e j " T g r w d n k e " y k v " c u u e k c y e v f " o c r " L g n " e q f g u " h q " h c w p l u k v e " i t k f "
 o c r k p i " u { u v g o + 0 " K l a p a l e k i a n a U w r r n g o g p w o " 5 4 < 3 6 3 3 7 0
- 9< CI B9? > "% - +: R f u r x g m " m " r a j | p " p " h c w p {" o c p f g n k p m a x k v e j " * E q n g q r v g t c < " E j t { u o g n k f c g + " E J — " J g l v o c p m e "
 c " V g u p 0 [E a p v t k d w k a p " v q " v j g " m p q y n g f i g " q h " v j g " n g c h " d g g v n g u " * E q n g q r v g t c < " E j t { u o g n k f c g + " q h " v j g " r t q y e v g f " u k v g u "
 c v " J g l v o c p m e " c p f " V g u p . 0 " W p r w d n k u j g f " o c p w u e t r v 0 " F g r q u k v g f " k p < C f o k p k u v t c k a p " q h " N k v x g n u m " R q o q t c x " R N C . "
 N k v x g n . " 3 " r r 0 " * w p / r c i k p c y e v f . " k p " E | g e j + 0
- F p = ? 5 > / ' J ā J F 5 > % ' - < " T q | - | g p f " c " g m q n i k g " d t q w m " t q f w " E j q n g x c " * E q n g q r v g t c < " N g k f k f c g < " E j q n g x l p c g + " p c "
 A | g o " g e j . " O q t c x { " c " U n q x g p u m c " * V j g " f l u v t k d w k a p " c p f " g e q i q { " q h " v j g " i g p w u " E j q n g x c " * E q n g q r v g t c < " N g k f k f c g < " E j q -
 n g x l p c g + " v j t w i j j g w " D j j g o k e . " O q t c x c < " c p f " U n q x c n k c + 0 " K l a p a l e k i a n a 4 ; < 3 2 5 6 3 5 2 " * k p " E | g e j . " G p i n k u j " c d u v 0 + 0
- G? 5@-7? " R % , +: Nenazváno. [No name_0" Wprwdnkujg" o c p w u e t r v 0 " F g r q u k v g f " k p < C f o k p k u v t c k a p " q h " v j g " N k v x g n u m " ?
 R q o q t c x " R N C . " N k v x g n . " 7 " r r 0 " * w p / r c i k p c y e v f . " k p " E | g e j + 0
- HFā J Bā 9? 8' > Z6CI ? 5 @ 8 " G' Z6CI ? 5 @ A " / > 9N-CF G? = D' % - +: Faunistic records from the Czech Republic
 ó 8 ; 0 " Eqngqrvgtc " J c n k r k f c g . " F { v k e k f c g . " J { f t c g p k f c g . " J { f t q e j k f c g . " J { f t q r j k n k f c g . " D { t t j k f c g 0 " K l a p a l e k i a n a
 33<34563490
- Hl : " < " &SS% \ r t " x c " q " g f c h a p w " P R T " X t c r c " c " R R " W " / " a o g e m " " O q t c x { " ó " | " x t g p a " | r t " x c " r t q " E J M Q " N k v x -
 elské Pomoraví. [Tgrqtv"qp"vjg" g f c r j p " k p " v j g " X t c r c " " P c v k a p c n " P c w t g " T g u g t x g " c p f " v j g " W " / " a o g e m " " O q t c x { "
 P c w t g " O q p w o g a p v " ó " L p c n " t g r q t v " h a t " v j g " C f o k p k u v t c k a p " q h " v j g " N k v x g n u m " R q o q t c x " R t q y e v g f " N c p f u e c r g " C t g c . 0 "
 W p r w d n k u j g f " o c p w u e t r v 0 " F g r q u k v g f " k p < C f o k p k u v t c k a p " q h " v j g " N k v x g n u m " R q o q t c x " R N C . " N k v x g n . " 6 " r r 0 " - " 3 : " w p -
 p w o d g t g f " r c i g u " * k p " E | g e j + 0
- HJ 5 F 8 ā 8 " &SS\$. Uv gxnfmqxv"*Eqm0. Ectcdkfcg+x"rki gapw" wflpf" j q " h g u c " E J M Q " N k v x g n u m " R q o q t c x " 0 [G r o u n d b e e t l e s
 *Eqm0. " Ectcdkfcg+"kp"vjg" rki gap"qh"vjg" lqqf rnc kp" h a t g u u " q h " v j g " N k v x g n u m " R q o q t c x " R t q y e v g f " N c p f u e c r g " C t g c . 0 "
 W p r w d n k u j g f " f r k n r o c " v j g u k u l " F g r q u k v g f " k p < H c e w v {" q h " U e i g p e g . " R n c e m " W p l x g t u k v {" Q n q o q w e . " 7 : " r r 0 " * k p " E | g e j + 0
- J 9 C @ @ ' D z F 9 G @ ? " Z G H 5 B C J G ? " > Z : 5 F ? 5 > Z ; F M / N : " Z ? 5 ū D 5 F @ Z ? A 9 7 C F " Z ? C D 0 ? ? ' H Z
 ? = J 5 B J " Z ā G ? 5 F " Z A = ? M i ? 5 5 " Z A @ 9 - B 9 ? F " Z A C F 5 J 9 7 D z B 5 ? @ ā 8 5 @ C " Z D F C I N 5 > Z ā 5
 > Z J C B = ? 5 D ' / N i 6 9 F ' A " &SS < \ c l f o c x " 2 " p a n g | { " u v g x n f m q x v e j " d t q w m " * E q n g q r v g t c . " E c t c d k f c g + " | " g u m "
 t g r w d n k m {" x " n g v e j " 4 2 2 4 " ó 4 2 2 8 " c " f r n p m " Ā f c l " q " u d t g e j " | " r g f e j " | g l e " f " j q " q d f q d 0 0 " * k p v g t g u k p i " L p f k p i u " q h "
 ground beetles (Coleoptera, Carabidae) from the Czech Republic in the years 2002–2006 with supplementary
 g e t n k g t " f c v c + 0 " K l a p a l e k i a n a 4 5 : " 5 6 3 3 8 0
- XQTUV" Ql" g f 0 + 4232< Ecvcnq i w u " x c p " f g " P g f g t n c p f u g " m g x g t u l " * E c v c n q i w g " q h " v j g " E q n g q r v g t c " q h " v j g " P g v j g t n c p f u + 0
 O p q i t e L g u p " x c p " f g " P g f g t n c p f u g " G p i q o q n q i k u e j g " X e t g p k i k p i " 1 1 < 3 6 5 3 9 " r r 0 " - " E F " * k p " F w e j . " G p i n k u j " k p t q f w /
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UQWJTP

X" t q e g " 4 2 2 ; " d { n " r t q x g f g p " k p x g p v c t k | c p | " r t | m w o " d t q w m " * E q n g q r v g t c + " P R T " X t c r c 0 "
 T g | g t x c e g " u g " p c e j a | | " x " E J M Q " N k v x g n u m " o " R q o q t c x " p c " u g x g t p " O q t c x " * I R U < 6 ; Ā 6 4 Ī 5 3 * P =
 3 9 Ā 2 4 Ī 4 5 * G ' ó " v f l k - v " r n e j e j { + 0 " D j g o " r t | m w o " w d { n q | c | p c o g p a p q " 7 4 2 " f t w j " | " 7 9 " g n g f 0

\c|pcogpcp²"ftwj{"*Carabus scheidleri* (Carabidae) a *Oxythyrea funesta* (Scarabaeidae)
luqw"fn" x{jn^a-m{5;713; ;4"ud0" c|gp{"og|k"qj tqflgp²"ftwj {0"Fcñ-¶ej"64"ftwj "lg" c|gpq"fq"
gtxgp²jqug|pcow"dg|qdtcñ ej"flkxq kej " gum²"tgrwdñkm{0

Og|k"mtkvkem{"qj tqflgp²"ftwj {"rcv ¶"*Micropeplus longipennis* (Staphylinidae), *Symbiotes
latus* (Endomychidae) a *Agnathus decoratus*"*R{tqej tqkfcg+0

Og|k"qj tqflgp²"rcm"rcv ¶"*Carphacis striatus*, *Xantholinus tricolor* (Staphylinidae), *Chaeto-
phora spinosa* (Byrrhidae), *Eucnemis capucina*, *Microrhagus lepidus* (Eucnemidae), *Ste-
nagostus rhombeus* (Elateridae), *Melandrya barbata* (Melandryidae), *Phytobaenus amabilis*
(Aderidae), *Bruchidius varius*, *Cryptocephalus pusillus*, *Gonioctena linnaeana linnaeana*,
Longitarsus brunneus, *Oomorphus concolor*"*Ejt{uq o gñkfcg+0

Harpalus progrediens (Carabidae), *Adrastus rachifer*, *Ampedus sanguinolentus* (Elate-
ridae), *Saperda octopunctata* (Cerambycidae), *Enedreytes sepicola* (Anthribidae), *Acalles
camelus*, *Acalles fallax*, *Cotaster uncipes*, *Neophytobius granatus*, *Trachodes hispidus* (Cur-
ewñkqpkfcg+"luqw"ftwj {" c|gp²"fq"mcvg iqtg"v²o "qj tqflgp ej"ftwj 0

Acupalpus luteatus (Carabidae), *Aeletes atomarius*"*Jkuvgtkfcg+."Cyphea curtula, *Euryusa
sinuata*, *Ochtheophilus omalinus*, *Thamiaraea cinnamomea* (Staphylinidae), *Onthophagus ver-
ticicornis* (Scarabaeidae), *Agrilus betuleti*, *Agrilus convexicollis* (Buprestidae), *Phosphaenus
hemipterus* (Lampyridae), *Notolaemus castaneus* (Laemophloeidae), *Endomychus coccineus*
(Endomychidae), *Triphyllus bicolor* (Mycetophagidae), *Anisoxya fuscula*, *Conopalpus testa-
ceus* (Melandryidae) a *Poophagus sisymbrii*"*Ewtewñkqpkfcg+"rcv ¶"og|k" |tcpkvgnp²"ftwj {0