

**Kunstmatig substraat**

**Rivieren 2003**

**RIZA**

**Rapport Hydrobiologisch Onderzoeksbureau VALLENDUUK  
November 2003**

# Rapportage macrofauna KMS te Lobith en Grave

november 2003

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## Inleiding

Het RIZA heeft ons bureau opdracht gegeven de macrofauna uit te zoeken en te determineren.

De werkzaamheden hebben betrekking op de macrofauna van kunstmatig substraat.

De monsters zijn genomen in de Rijn bij Lobith en Grave.

Het totaal aantal monsters is 20.

Uw kenmerk voor deze opdracht is:

Opdrachtnummer 7031266

LAB ANALYSES nr. 63010207

## Toegepaste (analyse)-methodiek

Alle aangetroffen macrofauna is gedetermineerd, voor zover de toegepaste conserveringsmethode dat zonder problemen toelaat.

De werkzaamheden zijn geheel volgens uw voorschrift uitgevoerd.

Indien nodig is gebruik gemaakt van de microscoop of zijn microscopische preparaten gemaakt, maar in de meeste gevallen is met de binoculair tot vergrotingen van 110x gewerkt.

## Analyse-resultaten

De namen van de aangetroffen soorten zijn verwerkt in een tekst-document en een kommagescheiden tekst-bestand (CSV), conform uw voorschriften van 29 september 1998.

Voor de codering van de taxa is gebruik gemaakt van de codes in BIOTAXON.

Beide naamlijsten zijn in dit rapport opgenomen.

De lijsten zijn opgenomen in een Excel-bestand welke digitaal zijn aangeleverd.

Het is niet nodig gebleken om externe controles uit te laten voeren, zodat op de aangeleverde soortenlijsten geen correcties te verwachten zijn.

## Bijzondere macrofauna

Door het ter beschikking komen van een tabel tot *Tanytarsus* en *Polypedilum* is het mogelijk geworden om soorten of soortengroepen op naam te brengen. Hierdoor worden er mogelijk nieuwe namen opgegeven. Uit overleg met uw analiste mevrouw M. Swarte is gebleken dat geen nieuwe soorten zijn aangetroffen.

De soort *Conchapelopia melanops* is opgegeven daar een pop van deze soort is aangetroffen en alleen deze soort te verwachten is.

Mogelijk het vermelden waard is *Ceraclea albimaculatalalboguttata* (opgegeven onder de naam *C. alboguttata*) in monster 601 en 602.

De soort *Ephoron virgo* is aangetroffen in monster 234 en 235.

**Overzicht aangetroffen macrofauna**

Systeem: Rijn bij Lobith

Locatie: LOBPTN

Labinfosnummer: 2003300098

Datum: 16.04.2003

naam	IAWM-letter	IAWM-cijfer	n
<i>Dendrocoelum romanodanubiale</i>	DENDROMA	1511301030	2
<i>Jaera istri</i>	JAERISTR	1742301070	44
<i>Corophium spec.</i>	COROPHSP	1743101000	2
<i>Corophium curvispinum</i>	COROCURV	1743101220	14
Gammaridae	GAMMARAE	1743200000	192
<i>Echinogammarus ischnus</i>	ECHIISCH	1743201020	74
<i>Gammarus tigrinus</i>	GAMMTIGR	1743203060	8
<i>Dikerogammarus villosus</i>	DIKEVILL	1743208020	880
<i>Limnomysis benedeni</i>	LIMYBENE	1744120010	2
Chironomini	CHIRONOM	1892700000	1
<i>Paratendipes gr albimanus</i>	PATEGALB	1892728040	2
Tanytarsini	TATARSIN	1892800000	1
<i>Tanytarsus ejuncidus</i>	TATAEJUN	1892814050	1
<i>Tanytarsus gr excavatus</i>	TATAGEXC	1892814540	5
<i>Potamopyrgus antipodarum</i>	POPYANTI	1912207010	29

Systeem: Rijn bij Lobith

Locatie: LOBPTN

Labinfosnummer: 2003300099

Datum: 16.04.2003

naam	IAWM-letter	IAWM-cijfer	n
<i>Jaera istri</i>	JAERISTR	1742301070	77
<i>Corophium curvispinum</i>	COROCURV	1743101220	22
Gammaridae	GAMMARAE	1743200000	122
<i>Echinogammarus ischnus</i>	ECHIISCH	1743201020	33
<i>Gammarus tigrinus</i>	GAMMTIGR	1743203060	16
<i>Dikerogammarus villosus</i>	DIKEVILL	1743208020	524
<i>Limnomysis benedeni</i>	LIMYBENE	1744120010	5
<i>Conchapelopia melanops</i>	CONCMELA	1892306010	2
<i>Paratendipes gr albimanus</i>	PATEGALB	1892728040	2
Tanytarsini	TATARSIN	1892800000	7
<i>Tanytarsus verralli</i>	TATAVERR	1892814170	1
<i>Potamopyrgus antipodarum</i>	POPYANTI	1912207010	37
<i>Ancylus fluviatilis</i>	ANCYFLUV	1913102010	1
<i>Corbicula fluminea</i>	CORBFLNE	1922601020	3

Systeem: Rijn bij Lobith  
 Locatie: LOBPTN  
 Labinfosnummer: 2003300159  
 Datum: 14.05.2003

naam	IAWM-letter	IAWM-cijfer	n
Hydra spec.	HYDRSPEC	0312102000	+
Plumatella fruticosa	PLUMFRUT	1211201020	+
Dendrocoelum romanodanubiale	DENDROMA	1511301030	1
Hypania invalida	HYPAINVA	1653318000	145
Orconectes limosus	ORCOLIMO	1741302010	1
Jaera istri	JAERISTR	1742301070	1090
Corophium spec.	COROPHSP	1743101000	25
Corophium curvispinum	COROCURV	1743101220	185
Gammaridae	GAMMARAE	1743200000	218
Echinogammarus ischnus	ECHIISCH	1743201020	13
Gammarus tigrinus	GAMMTIGR	1743203060	1
Dikerogammarus villosus	DIKEVILL	1743208020	1055
Orthocladinae	ORCLADAE	1892600000	3
Cricotopus bicinctus	CRICBICI	1892609050	1
Cricotopus intersectus agg.	CRICINA	1892609430	1
Tanytarsini	TATARSIN	1892800000	3
Rheotanytarsus spec.	RHTANYSP	1892811000	3
Tanytarsus spec.	TATARSSP	1892814000	2
Tanytarsus verralli	TATAVERR	1892814170	7
Tanytarsus gr eminus	TATAGEMI	1892814530	2
Ceratopogonidae	CEPOGOAE	1893100000	1
Potamopyrgus antipodarum	POPYANTI	1912207010	20
Corbicula fluminea	CORBFLNE	1922601020	2

Systeem: Rijn bij Lobith  
 Locatie: LOBPTN  
 Labinfosnummer: 2003300160  
 Datum: 14.05.2003

Naam	IAWM-letter	IAWM-cijfer	n
Hydra spec.	HYDRSPEC	0312102000	+
Plumatella fruticosa	PLUMFRUT	1211201020	+
Hypania invalida	HYPAINVA	1653318000	29
Jaera istri	JAERISTR	1742301070	605
Corophium spec.	COROPHSP	1743101000	47
Corophium curvispinum	COROCURV	1743101220	230
Gammaridae	GAMMARAE	1743200000	73
Echinogammarus ischnus	ECHIISCH	1743201020	19

<i>Gammarus tigrinus</i>	GAMMTIGR	1743203060	3
<i>Dikerogammarus villosus</i>	DIKEVILL	1743208020	608
<i>Hydropsyche contubernalis</i>	HYPSCONT	1833301020	1
<i>Ephoron virgo</i>	EPHOVIRG	1843201010	1
<i>Chironomus spec.</i>	CHIRONSP	1892703000	1
Tanytarsini	TATARSIN	1892800000	6
<i>Rheotanytarsus spec.</i>	RHTANYSP	1892811000	2
<i>Tanytarsus ejuncidus</i>	TATAEJUN	1892814050	1
<i>Tanytarsus verralli</i>	TATAVERR	1892814170	4
<i>Tanytarsus pallidicornis</i>	TATAPALL	1892814190	3
<i>Potamopyrgus antipodarum</i>	POPYANTI	1912207010	21
<i>Corbicula fluminea</i>	CORBFLNE	1922601020	2

Systeem: Rijn bij Lobith

Locatie: LOBPTN

Labinfosnummer: 2003300234

Datum: 11.06.2003

Naam	IAWM-letter	IAWM-cijfer	N
<i>Hydra spec.</i>	HYDRSPEC	0312102000	+
<i>Plumatella fruticosa</i>	PLUMFRUT	1211201020	+
<i>Dendrocoelum romanodanubiale</i>	DENDROMA	1511301030	1
<i>Piscicola geometrea</i>	PISCGEOM	1611201010	1
<i>Caspiobdella fadejewi</i>	CABDFADE	1611207010	1
<i>Hypania invalida</i>	HYPAINVA	1653318000	213
<i>Jaera istri</i>	JAERISTR	1742301070	1415
<i>Corophium spec.</i>	COROPHSP	1743101000	98
<i>Corophium curvispinum</i>	COROCURV	1743101220	610
Gammaridae	GAMMARAE	1743200000	124
<i>Echinogammarus ischnus</i>	ECHIISCH	1743201020	7
<i>Gammarus tigrinus</i>	GAMMTIGR	1743203060	9
<i>Dikerogammarus villosus</i>	DIKEVILL	1743208020	766
<i>Ephoron virgo</i>	EPHOVIRG	1843201010	2
<i>Nanocladius bicolor agg.</i>	NANOBICO	1892625010	1
<i>Paratendipes gr albimanus</i>	PATEGALB	1892728040	2
<i>Polypedilum scalaenum</i>	POPESCAL	1892731050	1
Tanytarsini	TATARSIN	1892800000	3
<i>Rheotanytarsus spec.</i>	RHTANYSP	1892811000	2
<i>Tanytarsus verralli</i>	TATAVERR	1892814170	1
<i>Potamopyrgus antipodarum</i>	POPYANTI	1912207010	6
<i>Dreissena polymorpha</i>	DREIPOLY	1922202010	1

Systeem: Rijn bij Lobith  
 Locatie: LOBPTN  
 Labinfosnummer: 2003300235  
 Datum: 11.06.2003

Naam	IAWM-letter	IAWM-cijfer	n
Hydra spec.	HYDRSPEC	0312102000	+
Plumatella fruticosa	PLUMFRUT	1211201020	+
Hypania invalida	HYPAINVA	1653318000	590
Jaera istri	JAERISTR	1742301070	1010
Corophium spec.	COROPHSP	1743101000	80
Corophium curvispinum	COROCURV	1743101220	720
Gammaridae	GAMMARAE	1743200000	236
Echinogammarus ischnus	ECHIISCH	1743201020	11
Gammarus tigrinus	GAMMTIGR	1743203060	4
Dikerogammarus villosus	DIKEVILL	1743208020	590
Hydropsyche bulgaromanorum	HYPBULG	1833301120	4
Ephoron virgo	EPHOVIRG	1843201010	3
Orthoclaadiinae	ORCLADAE	1892600000	1
Nanocladius bicolor agg.	NANOBICO	1892625010	1
Parachironomus gr. vitiosus	PACHGVIT	1892725210	5
Paratendipes gr albimanus	PATEGALB	1892728040	3
Polypedilum scalaenum	POPESCAL	1892731050	1
Rheotanytarsus spec.	RHTANYSP	1892811000	2
Potamopyrgus antipodarum	POPYANTI	1912207010	82
Ancylus fluviatilis	ANCYFLUV	1913102000	8
Corbicula fluminea	CORBFLNE	1922601020	6

Systeem: Rijn bij Lobith  
 Locatie: LOBPTN  
 Labinfosnummer: 2003300540  
 Datum: 09.07.2003

Naam	IAWM-letter	IAWM-cijfer	N
Hydra spec.	HYDRSPEC	0312102000	+
Plumatella fruticosa	PLUMFRUT	1211201020	+
Dendrocoelum romanodanubiale	DENDROMA	1511301030	3
Hypania invalida	HYPAINVA	1653318000	3
Jaera istri	JAERISTR	1742301070	720
Corophium spec.	COROPHSP	1743101000	544
Corophium curvispinum	COROCURV	1743101220	2080
Gammaridae	GAMMARAE	1743200000	122
Echinogammarus ischnus	ECHIISCH	1743201020	32
Gammarus tigrinus	GAMMTIGR	1743203060	64

<i>Dikerogammarus villosus</i>	DIKEVILL	1743208020	389
<i>Oecetis furva</i>	OECEFURV	1833507010	2
Orthoclaadiinae	ORCLADAE	1892600000	3
<i>Nanocladius bicolor</i> agg.	NANOBICO	1892625010	61
<i>Dicrotendipes nervosus</i>	DITENERV	1892709040	7
<i>Glyptotendipes pallens</i>	GLTOPALL	1892714070	1
<i>Parachironomus</i> gr. <i>vitiosus</i>	PACHGVIT	1892725210	11
<i>Rheotanytarsus</i> spec.	RHTANYSP	1892811000	2
<i>Potamopyrgus antipodarum</i>	POPYANTI	1912207010	44
<i>Ancylus fluviatilis</i>	ANCYFLUV	1913102000	2
<i>Dreissena polymorpha</i>	DREIPOLY	1922202010	60
<i>Corbicula fluminea</i>	CORBFLNE	1922601020	114

Systeem: Rijn bij Lobith

Locatie: LOBPTN

Labinfosnummer: 2003300541

Datum: 09.07.2003

Naam	IAWM-letter	IAWM-cijfer	N
<i>Hydra</i> spec.	HYDRSPEC	0312102000	+
<i>Plumatella fruticosa</i>	PLUMFRUT	1211201020	+
<i>Dendrocoelum romanodanubiale</i>	DENDROMA	1511301030	2
<i>Caspiobdella fadejewi</i>	CABDFADE	1611207010	1
<i>Hypania invalida</i>	HYPAINVA	1653318000	19
<i>Atyaephyra desmarestii</i>	ATYADESM	1741201010	1
<i>Jaera istri</i>	JAERISTR	1742301070	576
<i>Corophium</i> spec.	COROPHSP	1743101000	416
<i>Corophium curvispinum</i>	COROCURV	1743101220	2976
Gammaridae	GAMMARAE	1743200000	92
<i>Gammarus tigrinus</i>	GAMMTIGR	1743203060	32
<i>Dikerogammarus villosus</i>	DIKEVILL	1743208020	261
<i>Limnomyia benedeni</i>	LIMYBENE	1744120010	2
<i>Hydropsyche</i> spec.	HYPHYCSP	1833301000	2
<i>Hydropsyche bulgaromanorum</i>	HYPHYBULG	1833301120	3
<i>Ecnomus tenellus</i>	ECNOTENE	1834304010	3
<i>Caenis luctuosa</i>	CAENLUCT	1843401030	1
Orthoclaadiinae	ORCLADAE	1892600000	10
<i>Nanocladius bicolor</i> agg.	NANOBICO	1892625010	13
Chironomini	CHIRONOM	1892700000	2
<i>Dicrotendipes nervosus</i>	DITENERV	1892709040	4
<i>Parachironomus</i> gr. <i>vitiosus</i>	PACHGVIT	1892725210	7
<i>Potamopyrgus antipodarum</i>	POPYANTI	1912207010	188
<i>Dreissena polymorpha</i>	DREIPOLY	1922202010	93
<i>Corbicula fluminea</i>	CORBFLNE	1922601020	92



Systeem: Rijn bij Lobith  
 Locatie: LOBPTN  
 Labinfosnummer: 2003300605  
 Datum: 06.08.2003

Naam	IAWM-letter	IAWM-cijfer	N
<i>Plumatella fruticosa</i>	PLUMFRUT	1211201020	+
<i>Dendrocoelum romanodanubiale</i>	DENDROMA	1511301030	5
<i>Hypania invalida</i>	HYPAINVA	1653318000	64
<i>Jaera istri</i>	JAERISTR	1742301070	2496
<i>Corophium spec.</i>	COROPHSP	1743101000	832
<i>Corophium curvispinum</i>	COROCURV	1743101220	8896
<i>Gammarus tigrinus</i>	GAMMTIGR	1743203060	256
<i>Dikerogammarus villosus</i>	DIKEVILL	1743208020	512
<i>Hydropsyche spec.</i>	HYPHYCSP	1833301000	1
<i>Ecnomus tenellus</i>	ECNOTENE	1834304010	1
Orthoclaadiinae	ORCLADAE	1892600000	1
<i>Nanocladius bicolor</i> agg.	NANOBIKO	1892625010	11
<i>Chironomus nudiventris</i>	CHIRNUVE	1892703240	3
<i>Dicrotendipes nervosus</i>	DITENERV	1892709040	2
<i>Potamopyrgus antipodarum</i>	POPYANTI	1912207010	106
<i>Dreissena polymorpha</i>	DREIPOLY	1922202010	35
<i>Corbicula fluminea</i>	CORBFLNE	1922601020	139

Systeem: Rijn bij Lobith  
 Locatie: LOBPTN  
 Labinfosnummer: 2003300606  
 Datum: 06.08.2003

Naam	IAWM-letter	IAWM-cijfer	N
<i>Plumatella fruticosa</i>	PLUMFRUT	1211201020	+
<i>Dendrocoelum romanodanubiale</i>	DENDROMA	1511301030	11
<i>Hypania invalida</i>	HYPAINVA	1653318000	228
<i>Jaera istri</i>	JAERISTR	1742301070	2208
<i>Corophium spec.</i>	COROPHSP	1743101000	336
<i>Corophium curvispinum</i>	COROCURV	1743101220	7440
Gammaridae	GAMMARAE	1743200000	106
<i>Echinogammarus ischnus</i>	ECHIISCH	1743201020	96
<i>Gammarus tigrinus</i>	GAMMTIGR	1743203060	432
<i>Dikerogammarus villosus</i>	DIKEVILL	1743208020	661
<i>Hydropsyche bulgaromanorum</i>	HYP SBULG	1833301120	1
Orthoclaadiinae	ORCLADAE	1892600000	1
<i>Nanocladius bicolor</i> agg.	NANO BICO	1892625010	3
<i>Chironomus nudiventris</i>	CHIRNUVE	1892703240	16
<i>Dicrotendipes nervosus</i>	DITENERV	1892709040	3
<i>Microchironomus tener</i>	MICHTENE	1892721030	1
<i>Polypedilum scalaenum</i>	POPESCAL	1892731050	1
<i>Potamopyrgus antipodarum</i>	POPYANTI	1912207010	139
<i>Dreissena polymorpha</i>	DREIPOLY	1922202010	53
<i>Corbicula fluminea</i>	CORBFLNE	1922601020	190

Systeem: Rijn bij Grave  
 Locatie: GRAVBVN  
 Labinfosnummer: 2003300094  
 Datum: 16.04.2003

Naam	labinfoscode	IAWM-letter	IAWM-cijfer	n
<i>Dendrocoelum romanodanubiale</i>	2003300094	DENDROMA	1511301030	8
<i>Jaera istri</i>	2003300094	JAERISTR	1742301070	14
<i>Corophium spec.</i>	2003300094	COROPHSP	1743101000	16
<i>Corophium curvispinum</i>	2003300094	COROCURV	1743101220	936
Gammaridae	2003300094	GAMMARAE	1743200000	39
<i>Gammarus tigrinus</i>	2003300094	GAMMTIGR	1743203060	10
<i>Dikerogammarus villosus</i>	2003300094	DIKEVILL	1743208020	88
<i>Hydropsyche contubernalis</i>	2003300094	HYPSCONT	1833301020	1
<i>Oecetis spec</i>	2003300094	OECETISP	1833507000	1
<i>Oecetis testacea</i>	2003300094	OECETEST	1833507050	1
<i>Ecnomus tenellus</i>	2003300094	ECNOTENE	1834304010	1
<i>Caenis luctuosa</i>	2003300094	CAENLUCT	1843401030	4
Orthocladiinae	2003300094	ORCLADAE	1892600000	87
<i>Cricotopus bicinctus</i>	2003300094	CRICBICI	1892609050	48
<i>Cricotopus gr sylvestris</i>	2003300094	CRICGSYL	1892609380	1
<i>Cricotopus intersectus</i> agg.	2003300094	CRICINA	1892609430	2
<i>Cricotopus triannulatus</i> agg	2003300094	CRICTN_A	1892609560	42
<i>Eukiefferiella claripennis</i> agg.	2003300094	EUKICLAA	1892612150	2
<i>Dicrotendipes nervosus</i>	2003300094	DITENERV	1892709040	25
<i>Endochironomus tendens</i>	2003300094	ENDOTEND	1892712070	2
Tanytarsini	2003300094	TATARSIN	1892800000	3
<i>Micropsectra atrofasciata</i>	2003300094	MIPSATRO	1892807020	7
<i>Potamopyrgus antipodarum</i>	2003300094	POPYANTI	1912207010	46
<i>Valvata piscinalis</i>	2003300094	VALVPISC	1912301020	1
<i>Dreissena polymorpha</i>	2003300094	DREIPOLY	1922202010	2
<i>Corbicula fluminea</i>	2003300094	CORBFLNE	1922601020	8

Systeem: Rijn bij Grave  
 Locatie: GRAVBVN  
 Labinfosnummer: 2003300095  
 Datum: 16.04.2003

naam	IAWM-letter	IAWM-cijfer	n
<i>Dendrocoelum romanodanubiale</i>	DENDROMA	1511301030	8
<i>Piscicola geometrea</i>	PISCGEOM	1611201010	1
<i>Jaera istri</i>	JAERISTR	1742301070	34
<i>Corophium spec.</i>	COROPHSP	1743101000	31
<i>Corophium curvispinum</i>	CORO CURV	1743101220	439
Gammaridae	GAMMARAE	1743200000	74
<i>Gammarus tigrinus</i>	GAMMTIGR	1743203060	4
<i>Dikerogammarus villosus</i>	DIKEVILL	1743208020	199
<i>Oecetis spec</i>	OECETISP	1833507000	3
<i>Caenis luctuosa</i>	CAENLUCT	1843401030	1
<i>Conchapelopia melanops</i>	CONCMELA	1892306010	1
Orthoclaadiinae	ORCLADAE	1892600000	66
<i>Cricotopus bicinctus</i>	CRICBICI	1892609050	71
<i>Cricotopus intersectus</i> agg.	CRICINA	1892609430	2
<i>Rheocricotopus fuscipes</i>	RHCRFUSC	1892644010	1
Chironomini	CHIRONOM	1892700000	1
<i>Dicrotendipes nervosus</i>	DITENERV	1892709040	79
<i>Polypedilum cultellatum</i>	POPECULT	1892731040	2
<i>Polypedilum bicrenatum</i>	POPEBICR	1892731060	1
Tanytarsini	TATARSIN	1892800000	3
<i>Micropsectra atrofasciata</i>	MIPSATRO	1892807020	3
<i>Phaenopsectra spec.</i>	PHAENOSP	1892810000	1
<i>Potamopyrgus antipodarum</i>	POPYANTI	1912207010	42
<i>Ancylus fluviatilis</i>	ANCYFLUV	1913102010	4
<i>Physella acuta</i>	PHYSACUT	1913302010	3
<i>Dreissena polymorpha</i>	DREIPOLY	1922202010	1
<i>Corbicula fluminea</i>	CORBFLNE	1922601020	4

Systeem: Rijn bij Grave  
 Locatie: GRAVBVN  
 Labinfosnummer: 2003300154  
 Datum: 14.05.2003

naam	IAWM-letter	IAWM-cijfer	n
Hydra spec.	HYDRSPEC	0312102000	+
Dendrocoelum romanodanubiale	DENDROMA	1511301030	6
Caspiobdella fadejewi	CABDFADE	1611207010	2
Hypania invalida	HYPAINVA	1653318000	69
Jaera istri	JAERISTR	1742301070	15
Corophium spec.	COROPHSP	1743101000	60
Corophium curvispinum	COROCURV	1743101220	470
Gammaridae	GAMMARAE	1743200000	95
Gammarus roeselii	GAMMROES	1743203050	1
Gammarus tigrinus	GAMMTIGR	1743203060	6
Dikergammarus villosus	DIKEVILL	1743208020	164
Ecnomus tenellus	ECNOTENE	1834304010	7
Caenis luctuosa	CAENLUCT	1843401030	3
Conchapelopia melanops	CONCMELA	1892306010	1
Orthoclaadiinae	ORCLADAE	1892600000	36
Cricotopus bicinctus	CRICBICI	1892609050	47
Cricotopus gr sylvestris	CRICGSYL	1892609380	5
Cricotopus intersectus agg.	CRICINA	1892609430	9
Chironomini	CHIRONOM	1892700000	1
Dicrotendipes nervosus	DITENERV	1892709040	3
Microtendipes chloris agg.	MITECHLA	1892722120	1
Tanytarsini	TATARSIN	1892800000	2
Cladotanytarsus spec.	CLADOTSP	1892801000	2
Rheotanytarsus spec.	RHTANYSP	1892811000	2
Bithynia tentaculata	BINITENT	1912202020	1
Potamopyrgus antipodarum	POPYANTI	1912207010	69
Physidae	PHYSIDAE	1913300000	27
Lymnaeidae	LYMNAEAE	1913200000	2
Dreissena polymorpha	DREIPOLY	1922202010	5
Corbicula fluminea	CORBFLNE	1922601020	2

Systeem: Rijn bij Grave  
 Locatie: GRAVBVN  
 Labinfosnummer: 2003300155  
 Datum: 16.04.2003

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naam	IAWM-letter	IAWM-cijfer	n
Hydra spec.	HYDRSPEC	0312102000	+
Dendrocoelum romanodanubiale	DENDROMA	1511301030	1
Hypania invalida	HYPAINVA	1653318000	2
Jaera istri	JAERISTR	1742301070	74
Corophium spec.	COROPHSP	1743101000	140
Corophium curvispinum	COROCURV	1743101220	1031
Gammaridae	GAMMARAE	1743200000	240
Dikerogammarus villosus	DIKEVILL	1743208020	717
Calopteryx splendens	CALOSPLE	1829101010	1
Ecnomus tenellus	ECNOTENE	1834304010	1
Caenis luctuosa	CAENLUCT	1843401030	1
Orthoclaadiinae	ORCLADAE	1892600000	22
Cricotopus bicinctus	CRICBICI	1892609050	57
Cricotopus gr sylvestris	CRICGSYL	1892609380	10
Cricotopus intersectus agg.	CRICINA	1892609430	13
Nanocladius bicolor agg.	NANOBIKO	1892625010	1
Orthoclaadius spec.	ORCLADSP	1892626000	1
Rheocricotopus fuscipes	RHCRFUSC	1892644010	1
Dicrotendipes nervosus	DITENERV	1892709040	9
Rheotanytarsus spec.	RHTANYSP	1892811000	8
Tanytarsus verralli	TATAVERR	1892814170	3
Bithynia tentaculata	BINITENT	1912202020	1
Potamopyrgus antipodarum	POPYANTI	1912207010	57
Ancylus fluviatilis	ANCYFLUV	1913102000	1
Radix spec.	RADIXSPE	1913203000	1
Physa fontinalis	PHYSFONT	1913302020	10
Dreissena polymorpha	DREIPOLY	1922202010	1
Corbicula fluminea	CORBFLNE	1922601020	1

Systeem: Rijn bij Grave  
 Locatie: GRAVBVN  
 Labinfosnummer: 2003300229  
 Datum: 11.06.2003

naam	IAWM-letter	IAWM-cijfer	n
<i>Dendrocoelum romanodanubiale</i>	DENDROMA	1511301030	5
<i>Hypania invalida</i>	HYPAINVA	1653318000	280
<i>Jaera istri</i>	JAERISTR	1742301070	102
<i>Corophium spec.</i>	COROPHSP	1743101000	96
<i>Corophium curvispinum</i>	COROCURV	1743101220	725
Gammaridae	GAMMARAE	1743200000	70
<i>Gammarus roeselii</i>	GAMMROES	1743203050	4
<i>Gammarus tigrinus</i>	GAMMTIGR	1743203060	2
<i>Dikergammarus villosus</i>	DIKEVILL	1743208020	280
<i>Sisyr spec.</i>	SISYRASP	1839201000	1
<i>Conchapelopia melanops</i>	CONCMELA	1892306010	1
Orthoclaadiinae	ORCLADAE	1892600000	4
<i>Cricotopus bicinctus</i>	CRICBICI	1892609050	2
<i>Rheocricotopus fuscipes</i>	RHCRFUSC	1892644010	1
Chironomini	CHIRONOM	1892700000	2
<i>Dicrotendipes nervosus</i>	DITENERV	1892709040	153
<i>Kiefferulus tendipediformis</i>	KIEFTEND	1892717010	1
<i>Rheotanytarsus spec.</i>	RHTANYSP	1892811000	3
<i>Tanytarsus verralli</i>	TATAVERR	1892814170	1
<i>Potamopyrgus antipodarum</i>	POPYANTI	1912207010	17
<i>Ancylus fluviatilis</i>	ANCYFLUV	1913102000	3
<i>Radix auricularia</i>	RADIAURI	1913203010	3
<i>Radix peregra</i>	RADIPERE	1913203020	4
<i>Corbicula fluminea</i>	CORBFLNE	1922601020	4

Systeem: Rijn bij Grave  
 Locatie: GRAVBVN  
 Labinfosnummer: 2003300231  
 Datum: 11.06.2003

Naam	IAWM-letter	IAWM-cijfer	N
Hydra spec.	HYDRSPEC	0312102000	+
Dendrocoelum romanodanubiale	DENDROMA	1511301030	3
Erpobdella octoculata	ERPOOCTO	1613101010	1
Hypania invalida	HYPAINVA	1653318000	26
Jaera istri	JAERISTR	1742301070	30
Corophium spec.	COROPHSP	1743101000	110
Corophium curvispinum	COROCURV	1743101220	1024
Gammaridae	GAMMARAE	1743200000	105
Gammarus tigrinus	GAMMTIGR	1743203060	6
Dikerogammarus villosus	DIKEVILL	1743208020	375
Cyrrnus trimaculatus	CYRNTRIM	1834201040	8
Neureclepsis bimaculata	NECLBIMA	1834203010	1
Conchapelopia melanops	CONCMELA	1892306010	1
Orthoclaadiinae	ORCLADAE	1892600000	3
Cricotopus bicinctus	CRICBICI	1892609050	2
Rheocricotopus fuscipes	RHCRFUSC	1892644010	1
Chironomini	CHIRONOM	1892700000	3
Dicrotendipes nervosus	DITENERV	1892709040	116
Rheotanytarsus spec.	RHTANYSP	1892811000	1
Tanytarsus verralli	TATAVERR	1892814170	2
Potamopyrgus antipodarum	POPYANTI	1912207010	28
Radix auricularia	RADIAURI	1913203010	14
Radix peregra	RADIPERE	1913203020	2



Systeem: Rijn bij Grave  
 Locatie: GRAVBVN  
 Labinfosnummer: 2003300536  
 Datum: 09.07.2003

Naam	IAWM-letter	IAWM-cijfer	n
<i>Hypania invalida</i>	HYPAINVA	1653318000	1
<i>Jaera istri</i>	JAERISTR	1742301070	60
<i>Corophium spec.</i>	COROPHSP	1743101000	39
<i>Corophium curvispinum</i>	COROCURV	1743101220	263
Gammaridae	GAMMARAE	1743200000	122
<i>Echinogammarus ischnus</i>	ECHIISCH	1743201020	3
<i>Gammarus tigrinus</i>	GAMMTIGR	1743203060	15
<i>Dikerogammarus villosus</i>	DIKEVILL	1743208020	461
<i>Oecetis furva</i>	OECEFURV	1833507010	1
<i>Tinodes waeneri</i>	TINOWAEN	1834303030	1
<i>Ecnomus tenellus</i>	ECNOTENE	1834304010	15
<i>Sisyra spec.</i>	SISYRASP	1839201000	1
<i>Caenis luctuosa</i>	CAENLUCT	1843401030	15
<i>Dicrotendipes nervosus</i>	DITENERV	1892709040	3
<i>Potamopyrgus antipodarum</i>	POPYANTI	1912207010	4
<i>Ancylus fluviatilis</i>	ANCYFLUV	1913102000	16
<i>Radix auricularia</i>	RADIAURI	1913203010	1
<i>Dreissena polymorpha</i>	DREIPOLY	1922202010	18

Systeem: Rijn bij Grave  
 Locatie: GRAVBVN  
 Labinfosnummer: 2003300537  
 Datum: 09.07.2003

Naam	IAWM-letter	IAWM-cijfer	N
Hydra spec.	HYDRSPEC	0312102000	+
Hypania invalida	HYPAINVA	1653318000	40
Orconectes limosus	ORCOLIMO	1741302010	1
Jaera istri	JAERISTR	1742301070	38
Corophium spec.	COROPHSP	1743101000	83
Corophium curvispinum	COROCURV	1743101220	675
Gammaridae	GAMMARAE	1743200000	109
Gammarus tigrinus	GAMMTIGR	1743203060	56
Dikerogammarus villosus	DIKEVILL	1743208020	313
Oecetis furva	OECEFURV	1833507010	1
Cyrmus trimaculatus	CYRNTRIM	1834201040	5
Ecnomus tenellus	ECNOTENE	1834304010	45
Caenis luctuosa	CAENLUCT	1843401030	2
Orthocladiinae	ORCLADAE	1892600000	1
Dicrotendipes nervosus	DITENERV	1892709040	3
Glyptotendipes spec.	GLTOTESP	1892714000	1
Potamopyrgus antipodarum	POPYANTI	1912207010	10
Ancylus fluviatilis	ANCYFLUV	1913102000	4
Radix auricularia	RADIAURI	1913203010	3
Dreissena polymorpha	DREIPOLY	1922202010	19

Systeem: Rijn bij Grave  
 Locatie: GRAVBVN  
 Labinfosnummer: 2003300601  
 Datum: 06.08.2003

naam	IAWM-letter	IAWM-cijfer	n
<i>Hypania invalida</i>	HYPAINVA	1653318000	17
<i>Jaera istri</i>	JAERISTR	1742301070	15
<i>Corophium spec.</i>	COROPHSP	1743101000	35
<i>Corophium curvispinum</i>	COROCURV	1743101220	1230
Gammaridae	GAMMARAE	1743200000	63
<i>Gammarus roeselii</i>	GAMMROES	1743203050	1
<i>Gammarus tigrinus</i>	GAMMTIGR	1743203060	44
<i>Dikergammarus villosus</i>	DIKEVILL	1743208020	188
Coenagrionidae	CONAGRAE	1829400000	1
<i>Ceraclea albimaculata/alboguttata</i>	CECLALBO	1833510010	1
<i>Ecnomus tenellus</i>	ECNOTENE	1834304010	24
<i>Sisyra spec.</i>	SISYRASP	1839201000	2
<i>Cloeon dipterum</i>	CLOEDIPT	1842203020	1
<i>Caenis luctuosa</i>	CAENLUCT	1843401030	24
<i>Ablabesmyia spec.</i>	ABLABESP	1892301000	2
<i>Ablabesmyia longistyla</i>	ABLALONG	1892301010	1
<i>Procladius spec.</i>	PRDIUSSP	1892315000	4
Orthocladiinae	ORCLADAE	1892600000	4
<i>Cricotopus bicinctus</i>	CRICBICI	1892609050	1
Chironomini	CHIRONOM	1892700000	17
<i>Dicrotendipes nervosus</i>	DITENERV	1892709040	475
<i>Glyptotendipes spec.</i>	GLTOTESP	1892714000	1
<i>Xenochironomus xenolabis</i>	XECHXENO	1892738010	1
Tanytarsini	TATARSIN	1892800000	3
<i>Potamopyrgus antipodarum</i>	POPYANTI	1912207010	4
<i>Ancylus fluviatilis</i>	ANCYFLUV	1913102000	1
<i>Ferrissia wautieri</i>	FERRWAUT	1913151010	5
<i>Radix auricularia</i>	RADIAURI	1913203010	4
<i>Radix peregra</i>	RADIPERE	1913203020	2
<i>Menetus dilatatus</i>	MENEDILA	1913408010	1
<i>Dreissena polymorpha</i>	DREIPOLY	1922202010	642
<i>Corbicula fluminea</i>	CORBFLNE	1922601020	48

Systeem: Rijn bij Grave  
 Locatie: GRAVBVN  
 Labinfosnummer: 2003300602  
 Datum: 06.08.2003

naam	IAWM-letter	IAWM-cijfer	N
Hydra spec.	HYDRSPEC	0312102000	+
Dendrocoelum romanodanubiale	DENDROMA	1511301030	1
Caspiobdella fadejewi	CABDFADE	1611207010	1
Hypania invalida	HYPAINVA	1653318000	7
Jaera istri	JAERISTR	1742301070	58
Corophium spec.	COROPHSP	1743101000	115
Corophium curvispinum	COROCURV	1743101220	1120
Gammaridae	GAMMARAE	1743200000	56
Gammarus tigrinus	GAMMTIGR	1743203060	40
Dikerogammarus villosus	DIKEVILL	1743208020	253
Ceraclea spec.	CECLEASP	1833510000	1
Ecnomus tenellus	ECNOTENE	1834304010	8
Sisyra spec.	SISYRASP	1839201000	3
Cloeon dipterum	CLOEDIPT	1842203020	1
Caenis luctuosa	CAENLUCT	1843401030	8
Ablabesmyia spec.	ABLABESP	1892301000	1
Orthoclaadiinae	ORCLADAE	1892600000	1
Cricotopus gr sylvestris	CRICGSYL	1892609380	3
Cricotopus intersectus agg.	CRICINA	1892609430	2
Nanocladius bicolor agg.	NANOBICO	1892625010	1
Chironomini	CHIRONOM	1892700000	13
Dicrotendipes nervosus	DITENERV	1892709040	194
Tanytarsini	TATARSIN	1892800000	1
Rheotanytarsus spec.	RHTANYSP	1892811000	2
Ancyclus fluviatilis	ANCYFLUV	1913102000	2
Radix spec.	RADIXSPE	1913203000	1
Dreissena polymorpha	DREIPOLY	1922202010	835
Corbicula fluminea	CORBFLNE	1922601020	4



**BIJLAGE A: LOBITH**

labinfoscode, datum, IAWM-letter, IAWM-cijfer, naam, n  
 2003300098, 20031604, DENDROMA, 1511301030, Dendrocoelum romanodanubiale, 2  
 2003300098, 20031604, JAERISTR, 1742301070, Jaera istri, 44  
 2003300098, 20031604, COROPHSP, 1743101000, Corophium spec., 2  
 2003300098, 20031604, COROCURV, 1743101220, Corophium curvispinum, 14  
 2003300098, 20031604, GAMMARAE, 1743200000, Gammaridae, 192  
 2003300098, 20031604, ECHIISCH, 1743201020, Echinogammarus ischnus, 74  
 2003300098, 20031604, GAMMTIGR, 1743203060, Gammarus tigrinus, 8  
 2003300098, 20031604, DIKEVILL, 1743208020, Dikerogammarus villosus, 880  
 2003300098, 20031604, LIMYBENE, 1744120010, Limnomysis benedeni, 2  
 2003300098, 20031604, CHIRONOM, 1892700000, Chironomini, 1  
 2003300098, 20031604, PATEGALB, 1892728040, Paratendipes gr albimanus, 2  
 2003300098, 20031604, TATARSIN, 1892800000, Tanytarsini, 1  
 2003300098, 20031604, TATAEJUN, 1892814050, Tanytarsus ejuncidus, 1  
 2003300098, 20031604, TATAGEXC, 1892814540, Tanytarsus gr excavatus, 5  
 2003300098, 20031604, POPYANTI, 1912207010, Potamopyrgus antipodarum, 29  
 2003300099, 20031604, JAERISTR, 1742301070, Jaera istri, 77  
 2003300099, 20031604, COROCURV, 1743101220, Corophium curvispinum, 22  
 2003300099, 20031604, GAMMARAE, 1743200000, Gammaridae, 122  
 2003300099, 20031604, ECHIISCH, 1743201020, Echinogammarus ischnus, 33  
 2003300099, 20031604, GAMMTIGR, 1743203060, Gammarus tigrinus, 16  
 2003300099, 20031604, DIKEVILL, 1743208020, Dikerogammarus villosus, 524  
 2003300099, 20031604, LIMYBENE, 1744120010, Limnomysis benedeni, 5  
 2003300099, 20031604, CONCMELA, 1892306010, Conchapelopia melanops, 2  
 2003300099, 20031604, PATEGALB, 1892728040, Paratendipes gr albimanus, 2  
 2003300099, 20031604, TATARSIN, 1892800000, Tanytarsini, 7  
 2003300099, 20031604, TATAVERR, 1892814170, Tanytarsus verralli, 1  
 2003300099, 20031604, POPYANTI, 1912207010, Potamopyrgus antipodarum, 37  
 2003300099, 20031604, ANCYFLUV, 1913102010, Ancyclus fluviatilis, 1  
 2003300099, 20031604, CORBFLNE, 1922601020, Corbicula fluminea, 3  
 2003300159, 20030514, HYDRSPEC, 312102000, Hydra spec., +  
 2003300159, 20030514, PLUMFRUT, 1211201020, Plumatella fruticosa, +  
 2003300159, 20030514, DENDROMA, 1511301030, Dendrocoelum romanodanubiale, 1  
 2003300159, 20030514, HYPAINVA, 1653318000, Hypania invalida, 145  
 2003300159, 20030514, ORCOLIMO, 1741302010, Orconectes limosus, 1  
 2003300159, 20030514, JAERISTR, 1742301070, Jaera istri, 1090  
 2003300159, 20030514, COROPHSP, 1743101000, Corophium spec., 25  
 2003300159, 20030514, COROCURV, 1743101220, Corophium curvispinum, 185  
 2003300159, 20030514, GAMMARAE, 1743200000, Gammaridae, 218  
 2003300159, 20030514, ECHIISCH, 1743201020, Echinogammarus ischnus, 13  
 2003300159, 20030514, GAMMTIGR, 1743203060, Gammarus tigrinus, 1  
 2003300159, 20030514, DIKEVILL, 1743208020, Dikerogammarus villosus, 1055  
 2003300159, 20030514, ORCLADAE, 1892600000, Orthoclaadiinae, 3  
 2003300159, 20030514, CRICBICI, 1892609050, Cricotopus bicinctus, 1  
 2003300159, 20030514, CRICINA, 1892609430, Cricotopus intersectus agg., 1  
 2003300159, 20030514, TATARSIN, 1892800000, Tanytarsini, 3  
 2003300159, 20030514, RHTANYSP, 1892811000, Rheotanytarsus spec., 3  
 2003300159, 20030514, TATARSSP, 1892814000, Tanytarsus spec., 2  
 2003300159, 20030514, TATAVERR, 1892814170, Tanytarsus verralli, 7  
 2003300159, 20030514, TATAGEMI, 1892814530, Tanytarsus gr eminulus, 2  
 2003300159, 20030514, CEPOGOAE, 1893100000, Ceratopogonidae, 1  
 2003300159, 20030514, POPYANTI, 1912207010, Potamopyrgus antipodarum, 20  
 2003300159, 20030514, CORBFLNE, 1922601020, Corbicula fluminea, 2  
 2003300160, 20030514, HYDRSPEC, 312102000, Hydra spec., +  
 2003300160, 20030514, PLUMFRUT, 1211201020, Plumatella fruticosa, +  
 2003300160, 20030514, HYPAINVA, 1653318000, Hypania invalida, 29  
 2003300160, 20030514, JAERISTR, 1742301070, Jaera istri, 605  
 2003300160, 20030514, COROPHSP, 1743101000, Corophium spec., 47  
 2003300160, 20030514, COROCURV, 1743101220, Corophium curvispinum, 230

2003300160, 20030514, GAMMARAE, 1743200000, Gammaridae, 73  
 2003300160, 20030514, ECHIISCH, 1743201020, Echinogammarus ischnus, 19  
 2003300160, 20030514, GAMMTIGR, 1743203060, Gammarus tigrinus, 3  
 2003300160, 20030514, DIKEVILL, 1743208020, Dikerogammarus villosus, 608  
 2003300160, 20030514, HYPSCONT, 1833301020, Hydropsyche contubernalis, 1  
 2003300160, 20030514, EPHOVIRG, 1843201010, Ephoron virgo, 1  
 2003300160, 20030514, CHIRONSP, 1892703000, Chironomus spec., 1  
 2003300160, 20030514, TATARSIN, 1892800000, Tanytarsini, 6  
 2003300160, 20030514, RHTANYSP, 1892811000, Rheotanytarsus spec., 2  
 2003300160, 20030514, TATAEJUN, 1892814050, Tanytarsus ejuncidus, 1  
 2003300160, 20030514, TATAVERR, 1892814170, Tanytarsus verralli, 4  
 2003300160, 20030514, TATAPALL, 1892814190, Tanytarsus pallidicornis, 3  
 2003300160, 20030514, POPYANTI, 1912207010, Potamopyrgus antipodarum, 21  
 2003300160, 20030514, CORBFLNE, 1922601020, Corbicula fluminea, 2  
 2003300234, 20030611, HYDRSPEC, 312102000, Hydra spec., +  
 2003300234, 20030611, PLUMFRUT, 1211201020, Plumatella fruticosa, +  
 2003300234, 20030611, DENDROMA, 1511301030, Dendrocoelum romanodanubiale, 1  
 2003300234, 20030611, PISCGEOM, 1611201010, Piscicola geometrea, 1  
 2003300234, 20030611, CABDFADE, 1611207010, Caspiobdella fadejewi, 1  
 2003300234, 20030611, HYPAINVA, 1653318000, Hypania invalida, 213  
 2003300234, 20030611, JAERISTR, 1742301070, Jaera istri, 1415  
 2003300234, 20030611, COROPHSP, 1743101000, Corophium spec., 98  
 2003300234, 20030611, COROCURV, 1743101220, Corophium curvispinum, 610  
 2003300234, 20030611, GAMMARAE, 1743200000, Gammaridae, 124  
 2003300234, 20030611, ECHIISCH, 1743201020, Echinogammarus ischnus, 7  
 2003300234, 20030611, GAMMTIGR, 1743203060, Gammarus tigrinus, 9  
 2003300234, 20030611, DIKEVILL, 1743208020, Dikerogammarus villosus, 766  
 2003300234, 20030611, EPHOVIRG, 1843201010, Ephoron virgo, 2  
 2003300234, 20030611, NANOBICO, 1892625010, Nanocladius bicolor agg., 1  
 2003300234, 20030611, PATEGALB, 1892728040, Paratendipes gr albimanus, 2  
 2003300234, 20030611, POPESCAL, 1892731050, Polypedilum scalaenum, 1  
 2003300234, 20030611, TATARSIN, 1892800000, Tanytarsini, 3  
 2003300234, 20030611, RHTANYSP, 1892811000, Rheotanytarsus spec., 2  
 2003300234, 20030611, TATAVERR, 1892814170, Tanytarsus verralli, 1  
 2003300234, 20030611, POPYANTI, 1912207010, Potamopyrgus antipodarum, 6  
 2003300234, 20030611, DREIPOLY, 1922202010, Dreissena polymorpha, 1  
 2003300235, 20030611, HYDRSPEC, 312102000, Hydra spec., +  
 2003300235, 20030611, PLUMFRUT, 1211201020, Plumatella fruticosa, +  
 2003300235, 20030611, HYPAINVA, 1653318000, Hypania invalida, 590  
 2003300235, 20030611, JAERISTR, 1742301070, Jaera istri, 1010  
 2003300235, 20030611, COROPHSP, 1743101000, Corophium spec., 80  
 2003300235, 20030611, COROCURV, 1743101220, Corophium curvispinum, 720  
 2003300235, 20030611, GAMMARAE, 1743200000, Gammaridae, 236  
 2003300235, 20030611, ECHIISCH, 1743201020, Echinogammarus ischnus, 11  
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 2003300235, 20030611, DIKEVILL, 1743208020, Dikerogammarus villosus, 590  
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2003300606,20030806,DREIPOLY,1922202010,Dreissena polymorpha,53  
2003300606,20030806,CORBFLNE,1922601020,Corbicula fluminea,190

**BIJLAGE B: GRAVE**

labinfoscode, datum, IAWM-letter, IAWM-cijfer, naam, n  
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 2003300536, 20030709, OECEFURV, 1833507010, *Oecetis furva*, 1  
 2003300536, 20030709, TINOWAEN, 1834303030, *Tinodes waeneri*, 1  
 2003300536, 20030709, ECNOTENE, 1834304010, *Ecnomus tenellus*, 15  
 2003300536, 20030709, SISYRASP, 1839201000, *Sisyra spec.*, 1  
 2003300536, 20030709, CAENLUCT, 1843401030, *Caenis luctuosa*, 15  
 2003300536, 20030709, DITENERV, 1892709040, *Dicrotendipes nervosus*, 3  
 2003300536, 20030709, POPYANTI, 1912207010, *Potamopyrgus antipodarum*, 4  
 2003300536, 20030709, ANCYFLUV, 1913102000, *Ancylus fluviatilis*, 16  
 2003300536, 20030709, RADIAURI, 1913203010, *Radix auricularia*, 1  
 2003300536, 20030709, DREIPOLY, 1922202010, *Dreissena polymorpha*, 18  
 2003300537, 20030709, HYDRSPEC, 312102000, *Hydra spec.*, +  
 2003300537, 20030709, HYPAINVA, 1653318000, *Hypania invalida*, 40  
 2003300537, 20030709, ORCOLIMO, 1741302010, *Orconectes limosus*, 1  
 2003300537, 20030709, JAERISTR, 1742301070, *Jaera istri*, 38

2003300537, 20030709, COROPHSP, 1743101000, *Corophium spec.*, 83  
 2003300537, 20030709, COROCURV, 1743101220, *Corophium curvispinum*, 675  
 2003300537, 20030709, GAMMARAE, 1743200000, Gammaridae, 109  
 2003300537, 20030709, GAMMTIGR, 1743203060, *Gammarus tigrinus*, 56  
 2003300537, 20030709, DIKEVILL, 1743208020, *Dikerogammarus villosus*, 313  
 2003300537, 20030709, OECEFURV, 1833507010, *Oecetis furva*, 1  
 2003300537, 20030709, CYRNTRIM, 1834201040, *Cyrrnus trimaculatus*, 5  
 2003300537, 20030709, ECNOTENE, 1834304010, *Ecnomus tenellus*, 45  
 2003300537, 20030709, CAENLUCT, 1843401030, *Caenis luctuosa*, 2  
 2003300537, 20030709, ORCLADAE, 1892600000, Orthocladiinae, 1  
 2003300537, 20030709, DITENERV, 1892709040, *Dicrotendipes nervosus*, 3  
 2003300537, 20030709, GLTOTESP, 1892714000, *Glyptotendipes spec.*, 1  
 2003300537, 20030709, POFYANTI, 1912207010, *Potamopyrgus antipodarum*, 10  
 2003300537, 20030709, ANCYFLUV, 1913102000, *Ancylus fluviatilis*, 4  
 2003300537, 20030709, RADIAURI, 1913203010, *Radix auricularia*, 3  
 2003300537, 20030709, DREIPOLY, 1922202010, *Dreissena polymorpha*, 19  
 2003300601, 20030806, HYPAINVA, 1653318000, *Hypania invalida*, 17  
 2003300601, 20030806, JAERISTR, 1742301070, *Jaera istri*, 15  
 2003300601, 20030806, COROPHSP, 1743101000, *Corophium spec.*, 35  
 2003300601, 20030806, COROCURV, 1743101220, *Corophium curvispinum*, 1230  
 2003300601, 20030806, GAMMARAE, 1743200000, Gammaridae, 63  
 2003300601, 20030806, GAMMROES, 1743203050, *Gammarus roeselii*, 1  
 2003300601, 20030806, GAMMTIGR, 1743203060, *Gammarus tigrinus*, 44  
 2003300601, 20030806, DIKEVILL, 1743208020, *Dikerogammarus villosus*, 188  
 2003300601, 20030806, CONAGRAE, 1829400000, Coenagrionidae, 1  
 2003300601, 20030806, CECLALBO, 1833510010, *Ceraclea albimaculata/alboguttata*, 1  
 2003300601, 20030806, ECNOTENE, 1834304010, *Ecnomus tenellus*, 24  
 2003300601, 20030806, SISYRASP, 1839201000, *Sisyra spec.*, 2  
 2003300601, 20030806, CLOEDIPT, 1842203020, *Cloeon dipterum*, 1  
 2003300601, 20030806, CAENLUCT, 1843401030, *Caenis luctuosa*, 24  
 2003300601, 20030806, ABLABESP, 1892301000, *Ablabesmyia spec.*, 2  
 2003300601, 20030806, ABLALONG, 1892301010, *Ablabesmyia longistyla*, 1  
 2003300601, 20030806, PRDIUSSP, 1892315000, *Procladius spec.*, 4  
 2003300601, 20030806, ORCLADAE, 1892600000, Orthocladiinae, 4  
 2003300601, 20030806, CRICBICI, 1892609050, *Cricotopus bicinctus*, 1  
 2003300601, 20030806, CHIRONOM, 1892700000, Chironomini, 17  
 2003300601, 20030806, DITENERV, 1892709040, *Dicrotendipes nervosus*, 475  
 2003300601, 20030806, GLTOTESP, 1892714000, *Glyptotendipes spec.*, 1  
 2003300601, 20030806, XECHXENO, 1892738010, *Xenochironomus xenolabis*, 1  
 2003300601, 20030806, TATARSIN, 1892800000, Tanytarsini, 3  
 2003300601, 20030806, POFYANTI, 1912207010, *Potamopyrgus antipodarum*, 4  
 2003300601, 20030806, ANCYFLUV, 1913102000, *Ancylus fluviatilis*, 1  
 2003300601, 20030806, FERRWAUT, 1913151010, *Ferrissia wautieri*, 5  
 2003300601, 20030806, RADIAURI, 1913203010, *Radix auricularia*, 4  
 2003300601, 20030806, RADIPERE, 1913203020, *Radix peregra*, 2  
 2003300601, 20030806, MENEDILA, 1913408010, *Menetus dilatatus*, 1  
 2003300601, 20030806, DREIPOLY, 1922202010, *Dreissena polymorpha*, 642  
 2003300601, 20030806, CORBFLNE, 1922601020, *Corbicula fluminea*, 48  
 2003300602, 20030806, HYDRSPEC, 312102000, *Hydra spec.*, +  
 2003300602, 20030806, DENDROMA, 1511301030, *Dendrocoelum romanodanubiale*, 1  
 2003300602, 20030806, CABDFADE, 1611207010, *Caspiobdella fadejewi*, 1  
 2003300602, 20030806, HYPAINVA, 1653318000, *Hypania invalida*, 7  
 2003300602, 20030806, JAERISTR, 1742301070, *Jaera istri*, 58  
 2003300602, 20030806, COROPHSP, 1743101000, *Corophium spec.*, 115  
 2003300602, 20030806, COROCURV, 1743101220, *Corophium curvispinum*, 1120  
 2003300602, 20030806, GAMMARAE, 1743200000, Gammaridae, 56  
 2003300602, 20030806, GAMMTIGR, 1743203060, *Gammarus tigrinus*, 40  
 2003300602, 20030806, DIKEVILL, 1743208020, *Dikerogammarus villosus*, 253  
 2003300602, 20030806, CECLEASP, 1833510000, *Ceraclea spec.*, 1  
 2003300602, 20030806, ECNOTENE, 1834304010, *Ecnomus tenellus*, 8  
 2003300602, 20030806, SISYRASP, 1839201000, *Sisyra spec.*, 3

2003300602,20030806,CLOEDIPT,1842203020,Cloeon dipterum,1  
2003300602,20030806,CAENLUCT,1843401030,Caenis luctuosa,8  
2003300602,20030806,ABLABESP,1892301000,Ablabesmyia spec.,1  
2003300602,20030806,ORCLADAE,1892600000,Orthocladiinae,1  
2003300602,20030806,CRICGSYL,1892609380,Cricotopus gr sylvestris,3  
2003300602,20030806,CRICINA,1892609430,Cricotopus intersectus agg.,2  
2003300602,20030806,NANOBICO,1892625010,Nanocladius bicolor agg.,1  
2003300602,20030806,CHIRONOM,1892700000,Chironomini,13  
2003300602,20030806,DITENERV,1892709040,Dicrotendipes nervosus,194  
2003300602,20030806,TATARSIN,1892800000,Tanytarsini,1  
2003300602,20030806,RHTANYSP,1892811000,Rheotanytarsus spec.,2  
2003300602,20030806,ANCYFLUV,1913102000,Ancylus fluviatilis,2  
2003300602,20030806,RADIXSPE,1913203000,Radix spec.,1  
2003300602,20030806,DREIPOLY,1922202010,Dreissena polymorpha,835  
2003300602,20030806,CORBFLNE,1922601020,Corbicula fluminea,4