

---

# Panorama Project

## Subterranean Fauna Report 4:

### Troglofauna Phase 3 Survey



Prepared for  
***CBH Sulphur Springs Pty Ltd***

Prepared by  
***Subterranean Ecology***  
***Scientific Environmental Services***

**November 2007**

**Sulphur Springs Panorama Project**  
**Subterranean Fauna Report 4**  
**Troglofauna Phase 3 Survey**

---

Subterranean Ecology  
Scientific Environmental Services  
ABN 61 973 518 568  
11 Dillenia Way, Greenwood WA 6024, Australia  
Phone: Int - 61 (0)8 9343 4141  
Mobile: Int: 61 (0)401 436 968  
Email: [info@subterraneanecology.com.au](mailto:info@subterraneanecology.com.au)  
[www.subterraneanecology.com.au](http://www.subterraneanecology.com.au)

Project No. 55

Prepared for CBH Resources Pty Ltd

Prepared by: Subterranean Ecology

Date: November 2007

COVER: Traps used for collecting troglofauna may be colonized by epigean (surface) fauna, including frogs (“froglifauna”), which seek the moist and sheltered conditions in bore holes. (photo copyright *Subterranean Ecology*).

COPYRIGHT: This document has been prepared to the requirements of the client identified above, and no representation is made to any third party. It may be cited for the purposes of scientific research or other fair use, but it may not be reproduced or distributed to any third party by any physical or electronic means without the express permission of the client for whom it was prepared or *Subterranean Ecology*.

# INTRODUCTION

## 1.1 Purpose and Scope of this Report

This final report presents the results of the third phase of troglofauna sampling at the Sulphur Springs Panorama Project, and provides an assessment of the results in relation to the pilot survey, first and second phase surveys. This report should be appended to the previous reports (Subterranean Ecology 2007a, b) which present the earlier results and provide important background information including details of methods and assessment of potential impacts. The spatially more extensive phase 3 sampling, which deployed 58 traps in 24 reference holes, aimed to detect troglomorphic species in a regional context. Traps baited with cheese were placed in 13 holes from reference sites in Jamersons, Breakers, Kangaroo Caves and behind the Outokumpu Camp, each paired with an unbaited trap to enable a comparison of invertebrate abundances and baited versus un-baited trap sampling methods. This sampling method was trialed to investigate capture rates of subterranean invertebrates. This report provides the identifications and specimen tracking codes for all troglofauna specimens collected during these surveys (Appendices 1 and 2).

## 1.2 Background and Sampling effort

The pilot and first phase surveys were conducted in 18 holes situated within the proposed pit void (Table 1) and collected 23 morpho-species of invertebrate specimens including one species of cockroach (*Blattodea* sp. 1) which displayed troglomorphic characters including eye regression, depigmentation, and elongated appendages. The troglomorphic cockroach was suspected to inhabit shallow subsurface habitats in the regolith surrounding the drill holes where it was collected (Subterranean Ecology 2007b). Potential shallow subsurface habitats are well developed in colluvium on slopes in the pit area, and similar deposits occur extensively and continuously throughout the ranges in the wider region. In the absence of any obvious barriers to fauna dispersal via the regolith medium, it was considered likely that the distribution of the collected fauna, including the troglomorphic cockroach, was unlikely to be restricted to the proposed pit disturbance area and probably occurred more widely in similar habitats in the region. Results from the regionally extensive phase 2 (Table 1) supported this hypothesis with additional cockroach specimens being found in regolith habitats outside the expected zone of influence of the proposed mine site in the Kangaroo Caves and Bernts deposits (Subterranean Ecology 2007b). Phase 3 sampling was aimed at increasing the survey adequacy and regional survey effort, with the principal aim of better defining the distribution of the troglomorphic cockroach, the species most likely to be of potential conservation concern. The phase 3 survey involved sampling additional deposits outside the zone of influence, with 24 bores sampled from Bernts, Breakers, Dead Man's Hill, Jamersons, Kangaroo Caves, and behind Outokumpu Camp.

**Table 1. Fifty-three bores from seven deposits were sampled over three phases in the project area.**

Bore location	Deposit	Phase Sampled	
Bernts ?1	Bernts	Phase 2	Phase 3
Bernts ?2	Bernts	Phase 2	Phase 3
BKC01	Breakers		Phase 3
BKC02	Breakers		Phase 3
BKC03?	Breakers		Phase 3
JMC?1	Jamersons		Phase 3
JMC?2	Jamersons		Phase 3
JMC?3	Jamersons		Phase 3
JMC02	Jamersons		Phase 3
JMC03	Jamersons		Phase 3
JMC05	Jamersons		Phase 3
KCC001	Kangaroo Caves	Phase 2	Phase 3
KCC002	Kangaroo Caves	Phase 2	Phase 3
KCC005	Kangaroo Caves	Phase 2	Phase 3
KCC006	Kangaroo Caves	Phase 2	Phase 3
KCC008	Kangaroo Caves	Phase 2	Phase 3
KCC009	Kangaroo Caves	Phase 2	Phase 3
KCC028	Kangaroo Caves	Phase 2	Phase 3
KCC031	Kangaroo Caves	Phase 2	Phase 3
KCC032	Kangaroo Caves	Phase 2	Phase 3
SSP003	Outokumpu Camp		Phase 3
SSP005	Outokumpu Camp		Phase 3
SSP004	Outokumpu Camp		Phase 3
SSD75A	Sulphur Springs	Phase 1	
SSD82	Sulphur Springs	Phase 1	
SSP001	Sulphur Springs	Phase 1	
SSP016	Sulphur Springs	Phase 1	
SSP017	Sulphur Springs	Phase 1	
SSP018	Sulphur Springs	Phase 1	
SSP019	Sulphur Springs	Phase 1	
SSP20	Sulphur Springs	Phase 1	
SSP21	Sulphur Springs	Phase 1	
SSP22	Sulphur Springs	Phase 1	
SSP23?	Sulphur Springs	Phase 1	
SSP26	Sulphur Springs	Phase 1	
SSP27	Sulphur Springs	Phase 1	
SSP28	Sulphur Springs	Phase 1	
SSP33	Sulphur Springs	Phase 1	
SSP34	Sulphur Springs	Phase 1	
SSP36	Sulphur Springs	Phase 1	
SSP86	Sulphur Springs	Phase 1	
SS-Toilet	Dead Man's Hill		Phase 3
<b>Total</b>		<b>18</b>	<b>11</b>
			<b>24</b>

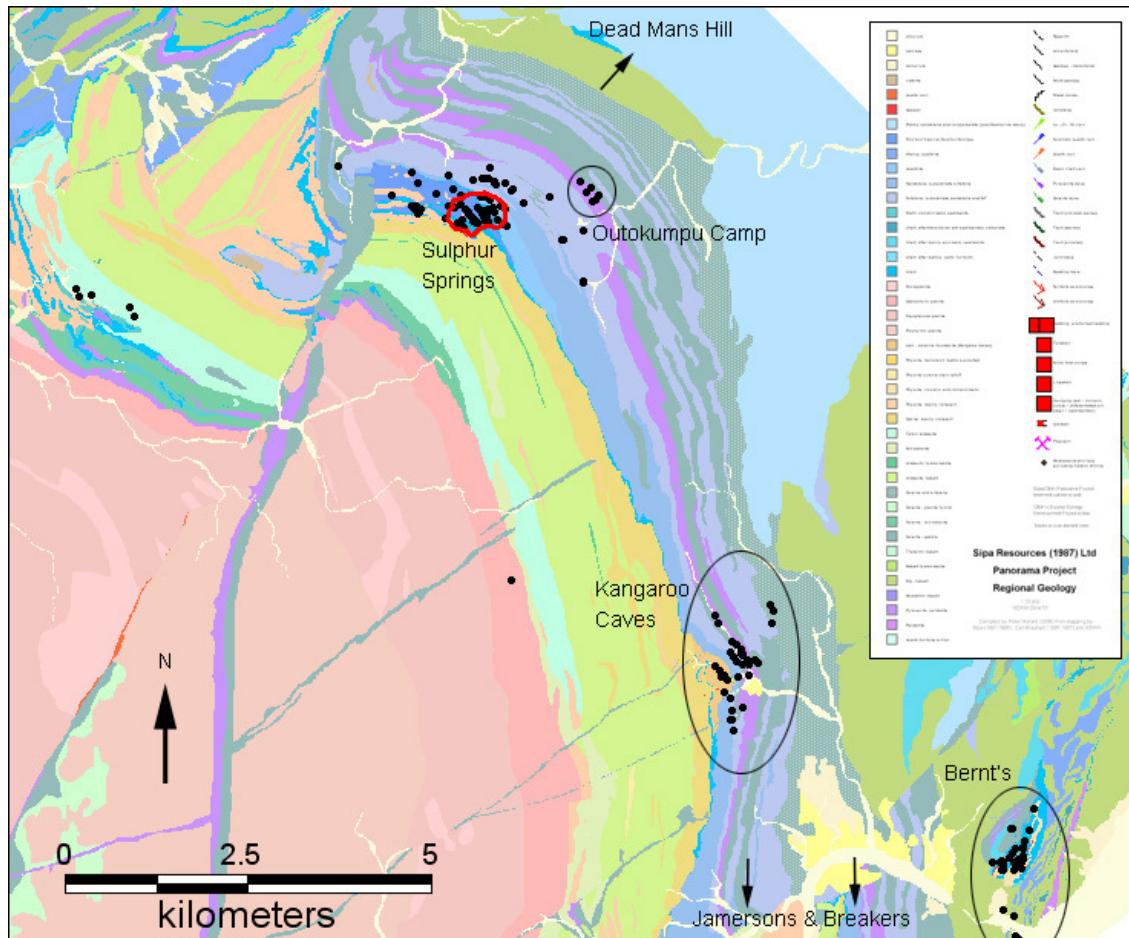
## Sample Sites Phase 3

The spatially more extensive phase 3 sampling aimed to better understand the composition and distribution of troglofauna communities in the wider project area, and demonstrate sampling adequacy consistent with environmental approval requirements (EPA Guidance Statement 54 and 54a) for the proposed mine site. The phase 3 sampling deployed 58 traps in 24 holes located in six areas (Table 2), all a significant distance from the proposed mine site (Figure 1). Traps baited with cheese were placed in 14 holes, each paired with an unbaited trap to enable a comparison of invertebrate abundances, and baited versus un-baited trap sampling methods. This technique is aimed to improve capture rates of subterranean invertebrates. Five of the sampled areas are located in the Kangaroo Caves Formation, and one hole was located in the Lalla Rookh sandstone at Dead Man's Hill located about 7 km northeast of the proposed mine site. The Breakers and Jamersons deposits are located in the same geologic lineation as Kangaroo Caves and Bernts, and about 15 and 25 km south of the Sulphur Springs deposit and proposed mine site. The area near the Outokumpu Camp is situated about 1.5 km east of the proposed pit. The phase 3 traps were deployed 16-17th August and collected 5-6th October after about seven weeks in situ.

**Table 2. Phase 3 sampling locations from six prospects. 58 traps were deployed in 24 holes.**

Bore #	Prospect	Easting	Northing	No. Traps	Trap Depths (m)	Comments
SSP3	Outokumpu camp	730651	7659961	2	7,8	
SSP4	Outokumpu camp	728778	7659679	3	4,6,7	T3 baited with cheese
SSP5	Outokumpu camp	730697	7659995	3	4,4,5	T3 baited with cheese
Bernts?1	Bernts	736486	7650968	2	4,4	
Bernts?2	Bernts	736402	7651047	1	3	
BKC001	Breakers	731941	7646182	3	4,5,5	T3 baited with cheese
BKC002?	Breakers	731603	7646023	3	11,15,16	T3 baited with cheese
BKC003?	Breakers	731610	7645921	3	14,15,20	T1 baited with cheese
JMC002	Jamersons	727941	7638326	3	4,5,11	
JMC003	Jamersons	727941	7638330	3	7,12,17	
JMC005	Jamersons	727909	7638535	3	7,8,15	T1 baited with cheese
JMC?1	Jamersons	727913	7638536	1	3	
JMC?2	Jamersons	727949	7638346	3	11,15,17	T2 baited with cheese
JMC?3	Jamersons	727941	7638329	2	4,6	
KCC001	Kangaroo Caves	732683	7653850	2	4,5	T2 baited with cheese
KCC002	Kangaroo Caves	732697	7653778	2	4,5	T2 baited with cheese
KCC005	Kangaroo Caves	733117	7654363	2	4,6	
KCC008	Kangaroo Caves	732552	7653796	3	4,4,5	T1 baited with cheese
KCC009	Kangaroo Caves	732873	7653698	3	3,3,4	T1 baited with cheese
KCC028	Kangaroo Caves	732551	7653794	2	6,6	
KCC031	Kangaroo Caves	732714	7653766	2	4,4	T1 baited with cheese
KCC032	Kangaroo Caves	732678	7653786	2	4,4	T2 baited with cheese
KCC006?	Kangaroo Caves	732718	7653052	3	7,7,8	T1 baited with cheese
SStoilet1	Dead Man's Hill	733878	7663777	2	8,11	Old drillers toilet
<b>Total</b>	24 Holes			58	Traps	

**Figure 1. Areas targeted in phase 3 sampling showing relationship to regional geology and recorded drill holes. Approximate outline of proposed pit (red). Breakers and Jamersons deposits are located about 15 and 25 km south of the proposed mine site, and Dead Mans Hill is located about 7 km northeast of the proposed mine site. Geology map and drill hole locations provided by CBH Resources.**



## Results

Phase 3 sampling consisted of 24 bore sites and 58 traps from the Bernts, Breakers, Jamersons, and Kangaroo caves deposits, and behind the Outokumpu Camp, and collected approximately 164,000 individuals, of which, only 3 individuals (0.001%) were the troglomorphic cockroach species (*Blattodea* sp. 1), and the remainder were epigean species (Appendix 1). Individual samples may be traced using Appendix 2. Phase 3 sampling collected invertebrates from 22 of the 24 holes sampled. The mean number of specimens per hole was 6,836 (range 0 – 151,094) and the mean number of taxa per hole was 5.9 (range 0 – 13). The majority of specimens were composed of Acarina (79%) and Collembola (24.5%) species.

The number of specimens collected during Phase 3 was significantly greater per trap, possibly reflecting the use of 13 traps baited with parmesan cheese and/or warmer surface temperatures. The 13 baited traps were placed in holes within the Kangaroo Caves, Breakers, and Jamersons site and collected 160,975 individuals (98.1% of all specimens collected in

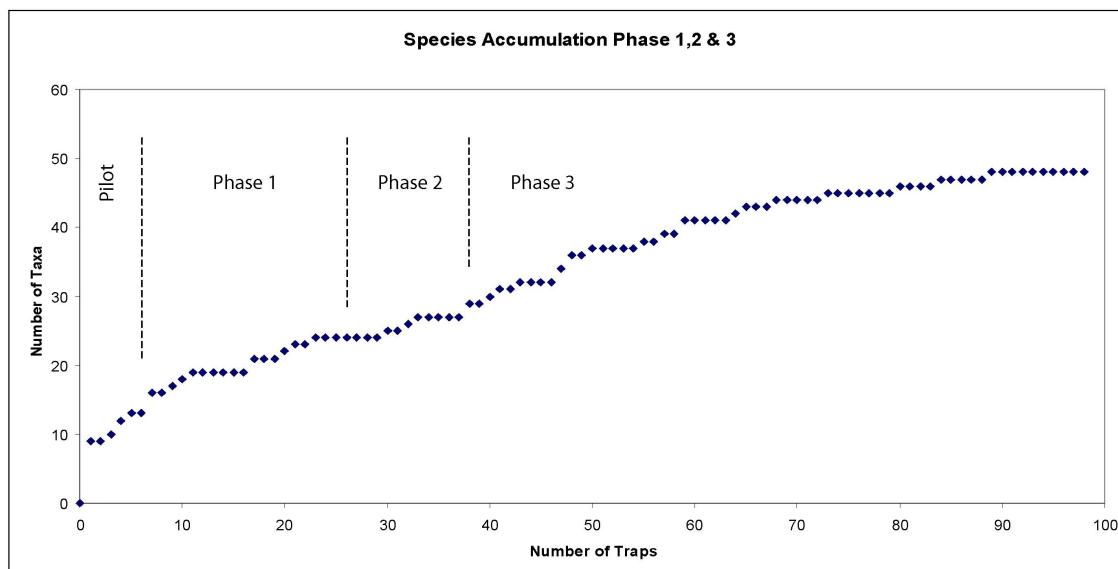
Phase 3). The baited traps contained two of the three troglomorphic cockroaches collected during phase 3, but were dominated by Acarina (160,186) and terrestrial Diptera (726).

The capture rate of invertebrates per trap for combined Phase 1, 2 and 3 data was 96 % ( $n = 43$  holes, 95 traps, 53 samples), with 11 individuals of the troglomorphic cockroach detected. The expected capture rate for collecting troglobites usually falls in the range of <5 – 25 troglomorphs per 100 trap events (Subterranean Ecology unpublished data, Biota 2006). The capture rate for troglomorphic taxa in the Project Area is within this range with approximately 12 individuals per 100 trap events. The trapping intensity in the Project Area is comparable to sampling intensity in similar sized deposits (Subterranean Ecology 2007c).

## Species accumulation curve

The adequacy of sampling was evaluated by a species accumulation curve (Figure 1). The initial steep slope of the curve lessens midway through the first sampling phase and shows a slight flattening near the end of phase 1. Phase 2 shows a consistent increase in taxa again with a distinct flattening toward the end of the sampling period. The beginning of phase 3 shows an initial rapid rise in newly detected species, although the rate of increase lessens after around 20 samples, and the remainder of phase 3 shows few new species. The initial rise in new taxa from phase 3 samples may be attributed to seasonal changes, and sampling over a wider area. The flattening of the curve suggests that most species which were present in the sampled holes during sampling have been collected. It would be expected, however, that a few previously undetected species would be collected with additional sampling in the same areas.

**Figure 1. Species accumulation curve phase 1, 2, and 3 combined. Only a single troglomorphic species has been detected from all three sampling phases.**



## Concluding remarks

The only troglomorphic taxa collected from 53 samples (95 traps) during all three phases of troglofauna sampling was the cockroach (*Blattodea* sp. 1), which was detected within the proposed pit during the first phase of sampling. Subsequent sampling showed that this species is locally widespread, and occurs within the Kangaroo Caves, Bernts and behind the Outokumpu Camp areas (Table 3). The presence of this species in several deposits and outside the zone of influence, combined with the extensive and continuous regolith habitat it probably inhabits, means this species of no further conservation concern in relation to the Project.

**Table 3. Distribution of troglomorphic cockroach *Blattodea* sp. 1 from the Project Area.**

Bore ID	Deposit	No. collected	specimens	Phase collected	Reference area
Bernts ?1	Bernts	1	2	Yes	
KCC031	Kangaroo Caves	1	2	Yes	
KCC006?-T1	Kangaroo Caves	1	2	Yes	
KCC006-T2	Kangaroo Caves	1	2	Yes	
KC006?-T2	Kangaroo Caves	2	3	Yes	
SSP003-T2	Outokumpu Camp	1	3	Yes	
SSP21	Sulphur Springs	2	1	Pit	
SSP19	Sulphur Springs	2	1	Pit	

## REFERENCES

- Biota (2006), Mesa A and Robe Valley Mesas troglobitic fauna survey. Subterranean fauna assessment. Prepared for Robe River Iron Associates. 64 pp.
- EPA (2003). Guidance statement 54. Consideration of Subterranean Fauna in Groundwater and Caves during Environmental Impact Assessment in Western Australia. <http://www.epa.wa.gov.au/template.asp?area=EIA&ID=14&Cat=Guidance+Statements> Accessed October 2006.
- EPA (2007). Guidance statement 54A. Sampling methods and survey considerations for subterranean fauna in Western Australia. <http://www.epa.wa.gov.au/template.asp?area=EIA&ID=14&Cat=Guidance+Statements> Accessed October 2007.
- Subterranean Ecology (2007a). Panorama Project Subterranean Fauna Survey Report 2. Report prepared for CBH Resources Pty Ltd, July 2007. 57 pp.
- Subterranean Ecology (2007b). Panorama Project Subterranean Fauna Report 3: Troglofauna Phase 2 Results and Phase 3 Sites. Report prepared for CBH Resources Pty Ltd, October 2007. 11 pp.
- Subterranean Ecology (2007c). Wiluna West Project Subterranean Fauna Report 1. Report prepared for Golden West Resources Pty Ltd, August 2007. 35 pp.

## **Appendix 1**

All data (Pilot, Phase 1, 2, and 3 surveys).

Phylum:Class	Order	Phase	pilot	pilot	pilot	pilot	pilot	pilot
		Taxa	SSP27-T3 seFN099	SSP28-T1 seFN100	SSP28-T2 seFN101	SSP27-T2 seFN098	SSP27-T1 seFN097	SSP28-T3 seFN102
Chelicerata		Pseudoscorpionida	Pseudoscorpion					
Arachnida	Arachnidida	Araneae sp1						
	Acarina	Oribatidae sp 1 (SS)	20		100	20	10	10
		Oribatidae sp. 2 (SS)	1			1		
		Oribatidae sp. 3 (SS)	6					
		Oribatidae sp. 4 (SS)						
		Acarina sp.1(SS)			5			
		Acarina sp. 2 (PD)	1	2		14	20	
		Acarina sp. 4 (PD)						
		Acarina sp. 11 (PD)						
		Mesostigmata sp. 1 (SS)	2			1		1
		Mesostigmata sp. 2(SS)				6	1	
		Mesostigmata sp.3 (SS)						
		Mesostigmata sp. 7(PD)						
		Acarina sp. 9(PD)						
		Mesostigmata undetermined						
Collembola	Collembola	Entomobryidae(blind white)						
		Collembola sp1	30		1	10	6	
		Collembola Isotomidae	1					
		Collembola (Sminthuridae)	2					
Insecta	Hemiptera	Hemipteran juvenile				2		
		Hemipteran undetermined						
	Diptera	Dipteran larvae(as seLN230)	2					
		Muscidae larvae						
		Diptera sp1 (Terr. Culicidae?)						
		Diptera sp2 (Terr.)						
		Diptera sp3 (Terr.)						
		Diptera sp4 (Terr.) Sciaridae?						
		Diptera sp5 (Terr.)						
		Diptera sp6 (Terr.)						
		Diptera muscidae sp1						
	Coleoptera	Pselaphidae						
		Carabidae sp 1						
		Coleoptera larvae						
		Coleoptera larvae sp. 2						
		Carabidae larvae						
		Coleoptera LN597						
		undetermined coleoptera						
		Undetermined coleoptera sp2						
	Blattodea	Blattodea sp. 1						
	Lepidoptera	Tineidae sp1						
		Undetermined Lepidoptera						
	Orthoptera	Orthoptera sp. 1						
	Psocoptera	Psocoptera						
	Hymenoptera	Formicidae sp1						
		Sp1						
Crustacea	Isopoda	Isopoda						
		Total individuals	65	2	106	54	37	11

Phylum:Class	Order	Phase	pilot	1	1	1	1	1	1
		Taxa	SSP21	SSP28	SSP27	SSP26	SSP20	SSP1	SSD82
			seFN103	seFN142	seFN141	seFN139	seFN143	seFN145	seFN156
Arachnida	Pseudoscorpionida	Pseudoscorpion							
	Arachnida	Araneae sp1							
	Acarina	Oribatidae sp 1 (SS)		50	6				10
		Oribatidae sp. 2 (SS)							
		Oribatidae sp. 3 (SS)							
		Oribatidae sp. 4 (SS)							
		Acarina sp.1(SS)				1		1	
		Acarina sp. 2 (PD)							
		Acarina sp. 4 (PD)							
		Acarina sp. 11 (PD)	1						
		Mesostigmata sp. 1 (SS)			1				
		Mesostigmata sp. 2(SS)							
		Mesostigmata sp.3 (SS)	2						
		Mesostigmata sp. 7(PD)							
		Acarina sp. 9(PD)							
		Mesostigmata undetermined			1				
Collembola	Collembola	Entomobryidae(blind white)					1	1	
		Collembola sp1							50
		Collembola Isotomidae							
		Collembola (Sminthuridae)						1	
Insecta	Hemiptera	Hemipteran juvenile							
		Hemipteran undetermined							
	Diptera	Dipteran larvae(as seLN230)							
		Muscidae larvae	3						
		Diptera sp1 (Terr. Culicidae?)							
		Diptera sp2 (Terr.)							
		Diptera sp3 (Terr.)							
		Diptera sp4 (Terr.) Sciaridae?							
		Diptera sp5 (Terr.)							
		Diptera sp6 (Terr.)							
		Diptera muscidae sp1							
	Coleoptera	Pselaphidae							
		Carabidae sp 1							
		Coleoptera larvae							
		Coleoptera larvae sp. 2							
		Carabidae larvae							
		Coleoptera LN597							
		undetermined coleoptera							
		Undetermined coleoptera sp2							
	Blattodea	Blattodea sp. 1							
	Lepidoptera	Tineidae sp1							
		Undetermined Lepidoptera							
	Orthoptera	Orthoptera sp. 1							
	Psocoptera	Psocoptera					1		
	Hymenoptera	Formicidae sp1							
		Sp1							
Crustacea	Isopoda	Isopoda							
		Total individuals	6	51	8	1	2	2	60

Phylum:Class	Order	Phase	1	1	1	1	1	1	1
		Taxa	SSP16 seFN155	SSP36 seFN140	SSP17 seFN147	SSP21 seFN146	SSD75A seFN150	SSP18 seFN149	SSP33 seFN154
Chelicerata		Pseudoscorpion							
Arachnida	Pseudoscorpionida	Pseudoscorpion							
	Arachnida	Araneae sp1							
	Acarina	Oribatidae sp 1 (SS)	30		26			6	50
		Oribatidae sp. 2 (SS)							
		Oribatidae sp. 3 (SS)							
		Oribatidae sp. 4 (SS)							
		Acarina sp.1(SS)	3		1		100		
		Acarina sp. 2 (PD)	6				2		
		Acarina sp. 4 (PD)							
		Acarina sp. 11 (PD)	6			16			
		Mesostigmata sp. 1 (SS)	3					8	
		Mesostigmata sp. 2(SS)							
		Mesostigmata sp.3 (SS)	30						6
		Mesostigmata sp. 7(PD)						1	
		Acarina sp. 9(PD)							
		Mesostigmata undetermined					2		
Collembola	Collembola	Entomobryidae(blind white)	30	1		2	5	50	7
		Collembola sp1					1		
		Collembola Isotomidae					3		
		Collembola (Sminthuridae)							
Insecta	Hemiptera	Hemipteran juvenile					3		
		Hemipteran undetermined							
	Diptera	Dipteran larvae(as seLN230)	1						
		Muscidae larvae							
		Diptera sp1 (Terr. Culicidae?)							
		Diptera sp2 (Terr.)							
		Diptera sp3 (Terr.)							
		Diptera sp4 (Terr.) Sciaridae?							
		Diptera sp5 (Terr.)							
		Diptera sp6 (Terr.)							
		Diptera muscidae sp1							
	Coleoptera	Pselaphidae							
		Carabidae sp 1					3		
		Coleoptera larvae							
		Coleoptera larvae sp. 2							
		Carabidae larvae							
		Coleoptera LN597							
		undetermined coleoptera							
		Undetermined coleoptera sp2							
	Blattodea	Blattodea sp. 1					2		
	Lepidoptera	Tineidae sp1							
		Undetermined Lepidoptera							
	Orthoptera	Orthoptera sp. 1							
	Psocoptera	Psocoptera						7	
	Hymenoptera	Formicidae sp1							
		Sp1							
Crustacea	Isopoda	Isopoda							
		Total individuals	109	1	27	26	113	71	64

Phylum:Class	Order	Phase	1	1	1	1	1	2	2
		Taxa	SSP86 seFN151	SSP22 seFN153	SSP19 seFN148	SSP34 seFN152	SSP23? seFN144	KCC009 seFN261	KCC005 seFN262
Chelicerata		Pseudoscorpion							
Arachnida	Pseudoscorpionida	Pseudoscorpion							
	Arachnida	Araneae sp1							
	Acarina	Oribatidae sp 1 (SS)		100	10				
		Oribatidae sp. 2 (SS)	4??						
		Oribatidae sp. 3 (SS)							
		Oribatidae sp. 4 (SS)							
		Acarina sp.1(SS)	28		2	1	1		
		Acarina sp. 2 (PD)	19			2	6		
		Acarina sp. 4 (PD)							
		Acarina sp. 11 (PD)							
		Mesostigmata sp. 1 (SS)	3		3				
		Mesostigmata sp. 2(SS)							
		Mesostigmata sp.3 (SS)					3		
		Mesostigmata sp. 7(PD)							
		Acarina sp. 9(PD)	1						
		Mesostigmata undetermined							
Collembola	Collembola	Entomobryidae(blind white)	16		50		2		
		Collembola sp1					1	1	
		Collembola Isotomidae							
		Collembola (Sminthuridae)					1		
Insecta	Hemiptera	Hemipteran juvenile							
		Hemipteran undetermined							
	Diptera	Dipteran larvae(as seLN230)							
		Muscidae larvae							
		Diptera sp1 (Terr. Culicidae?)							
		Diptera sp2 (Terr.)							
		Diptera sp3 (Terr.)							
		Diptera sp4 (Terr.) Sciaridae?							
		Diptera sp5 (Terr.)							
		Diptera sp6 (Terr.)							
		Diptera muscidae sp1							
	Coleoptera	Pselaphidae			1				
		Carabidae sp 1			1				
		Coleoptera larvae							
		Coleoptera larvae sp. 2							
		Carabidae larvae							
		Coleoptera LN597							
		undetermined coleoptera							
		Undetermined coleoptera sp2							
	Blattodea	Blattodea sp. 1			2				
	Lepidoptera	Tineidae sp1							
		Undetermined Lepidoptera							
	Orthoptera	Orthoptera sp. 1							
	Psocoptera	Psocoptera						1	
	Hymenoptera	Formicidae sp1							
		Sp1							
Crustacea	Isopoda	Isopoda							
		Total individuals	67	100	69	3	14	1	1

Phylum:Class	Order	Phase	2	2	2	2	KCC006?- T1	2	2
		Taxa	KCC008 seFN263	KCC032 seFN264	KCC031 seFN265	KCC006 seFN266	KCC006-T2 seFN267	KCC002-T1 seFN269	
Arachnida	Pseudoscorpionida	Pseudoscorpion						2	
	Arachnida	Araneae sp1							
	Acarina	Oribatidae sp 1 (SS)							
		Oribatidae sp. 2 (SS)							
		Oribatidae sp. 3 (SS)							
		Oribatidae sp. 4 (SS)							
		Acarina sp.1(SS)			20			200	
		Acarina sp. 2 (PD)					10	500	1
		Acarina sp. 4 (PD)							
		Acarina sp. 11 (PD)							
		Mesostigmata sp. 1 (SS)	11		3				
		Mesostigmata sp. 2(SS)					7		
		Mesostigmata sp.3 (SS)							
		Mesostigmata sp. 7(PD)					3		
		Acarina sp. 9(PD)							
		Mesostigmata undetermined							
Collembola	Collembola	Entomobryidae(blind white)				8	4		
		Collembola sp1	2			1	1		1
		Collembola Isotomidae							
		Collembola (Sminthuridae)							
Insecta	Hemiptera	Hemipteran juvenile							
		Hemipteran undetermined							
	Diptera	Dipteran larvae(as seLN230)				1	32		
		Muscidae larvae							
		Diptera sp1 (Terr. Culicidae?)							
		Diptera sp2 (Terr.)							
		Diptera sp3 (Terr.)							
		Diptera sp4 (Terr.) Sciaridae?							
		Diptera sp5 (Terr.)							
		Diptera sp6 (Terr.)							
		Diptera muscidae sp1							
	Coleoptera	Pselaphidae							
		Carabidae sp 1							
		Coleoptera larvae							
		Coleoptera larvae sp. 2							
		Carabidae larvae			7				
		Coleoptera LN597							
		undetermined coleoptera							
		Undetermined coleoptera sp2							
	Blattodea	Blattodea sp. 1				1	1	1	
	Lepidoptera	Tineidae sp1							
		Undetermined Lepidoptera							
	Orthoptera	Orthoptera sp. 1							
	Psocoptera	Psocoptera							
	Hymenoptera	Formicidae sp1							
		Sp1							
Crustacea	Isopoda	Isopoda				2			
		Total individuals	13	30	1	31	738	2	

Phylum:Class	Order	Phase	KCC002-T2	KCC001-T2	KCC001-T1	Bernts ?I	Bernts ?II	SSP005-T1 SEFN259
		Taxa	seFN270	seFN271	seFN272	seFN273	seFN274	
Chelicerata		Pseudoscorpionida	Pseudoscorpion					
Arachnida		Arachnida	Araneae sp1					
		Acarina	Oribatidae sp 1 (SS)					
			Oribatidae sp. 2 (SS)					
			Oribatidae sp. 3 (SS)					50
			Oribatidae sp. 4 (SS)					
			Acarina sp.1(SS)	1	50	90		
			Acarina sp. 2 (PD)		30	70	10	
			Acarina sp. 4 (PD)					
			Acarina sp. 11 (PD)					
			Mesostigmata sp. 1 (SS)		1		2	
			Mesostigmata sp. 2(SS)					
			Mesostigmata sp.3 (SS)					
			Mesostigmata sp. 7(PD)					
			Acarina sp. 9(PD)					
			Mesostigmata undetermined	1				
Collembola	Collembola	Entomobryidae(blind white)			1	40		11
		Collembola sp1		1				
		Collembola Isotomidae			30			
		Collembola (Sminthuridae)						2
Insecta	Hemiptera	Hemipteran juvenile						
		Hemipteran undetermined						
	Diptera	Dipteran larvae(as seLN230)			16	30		
		Muscidae larvae						
		Diptera sp1 (Terr. Culicidae?)						
		Diptera sp2 (Terr.)						
		Diptera sp3 (Terr.)						
		Diptera sp4 (Terr.) Sciaridae?						
		Diptera sp5 (Terr.)						
		Diptera sp6 (Terr.)						
		Diptera muscidae sp1						
	Coleoptera	Pselaphidae						
		Carabidae sp 1	1					
		Coleoptera larvae			1		1	
		Coleoptera larvae sp. 2						
		Carabidae larvae						
		Coleoptera LN597						
		undetermined coleoptera			3			
		Undetermined coleoptera sp2						
	Blattodea	Blattodea sp. 1			1			
	Lepidoptera	Tineidae sp1						
		Undetermined Lepidoptera						
	Orthoptera	Orthoptera sp. 1						
	Psocoptera	Psocoptera		1			2	
	Hymenoptera	Formicidae sp1						
		Sp1						
Crustacea	Isopoda	Isopoda						
		Total individuals	3	83	207	85	5	63

Phylum:Class	Order	Phase	3 SSP005-T2 SEFN260	3 SSP005-CH SEFN275	3 SSP003-T1 SEFN279	3 SSP003-T2 SEFN280	3 SSP04-CH SEFN278	3 SSP04-T1 SEFN276
Chelicerata		Taxa						
Arachnida	Pseudoscorpionida	Pseudoscorpion						
	Arachnida	Araneae sp1						
	Acarina	Oribatidae sp 1 (SS)						
		Oribatidae sp. 2 (SS)						
		Oribatidae sp. 3 (SS)	20		100000			
		Oribatidae sp. 4 (SS)						
		Acarina sp.1(SS)				4	1	10000
		Acarina sp. 2 (PD)			50000			
		Acarina sp. 4 (PD)						
		Acarina sp. 11 (PD)						
		Mesostigmata sp. 1 (SS)				1	3	30
		Mesostigmata sp. 2(SS)						
		Mesostigmata sp.3 (SS)						
		Mesostigmata sp. 7(PD)						
		Acarina sp. 9(PD)						
		Mesostigmata undetermined						
Collembola	Collembola	Entomobryidae(blind white)	1000					1
		Collembola sp1		1		1		
		Collembola Isotomidae						
		Collembola (Sminthuridae)						
Insecta	Hemiptera	Hemipteran juvenile						
		Hemipteran undetermined						
	Diptera	Dipteran larvae(as seLN230)					1	
		Muscidae larvae						
		Diptera sp1 (Terr. Culicidae?)	1					
		Diptera sp2 (Terr.)	1	7	3	5	1	11
		Diptera sp3 (Terr.)				1		
		Diptera sp4 (Terr.) Sciaridae?						1
		Diptera sp5 (Terr.)						
		Diptera sp6 (Terr.)						
		Diptera muscidae sp1						
	Coleoptera	Pselaphidae						
		Carabidae sp 1						
		Coleoptera larvae				1		
		Coleoptera larvae sp. 2						
		Carabidae larvae						
		Coleoptera LN597						
		undetermined coleoptera				1	1	
		Undetermined coleoptera sp2						
	Blattodea	Blattodea sp. 1					1	
	Lepidoptera	Tineidae sp1						2
		Undetermined Lepidoptera						
	Orthoptera	Orthoptera sp. 1						
	Psocoptera	Psocoptera			1			
	Hymenoptera	Formicidae sp1						
		Sp1						
Crustacea	Isopoda	Isopoda						
		Total individuals	1022	150009	9	13	10003	45

Phylum:Class	Order	Taxa	Phase	3	3	3	3	3	3
			SSP04-T2	BKC01-T1	BKC01-T2	BKC01-CH	BKC01-T1	BKC02-T1	BKC02-T2
			SEFN277	SEFN289	SEFN290	SEFN291	SEFN292	SEFN293	
Chelicerata	Pseudoscorpionida	Pseudoscorpion							
Arachnida	Arachnida	Araneae sp1							
	Acarina	Oribatidae sp 1 (SS)							
		Oribatidae sp. 2 (SS)							
		Oribatidae sp. 3 (SS)							1
		Oribatidae sp. 4 (SS)							
		Acarina sp.1(SS)							
		Acarina sp. 2 (PD)							
		Acarina sp. 4 (PD)							
		Acarina sp. 11 (PD)							
		Mesostigmata sp. 1 (SS)	30						
		Mesostigmata sp. 2(SS)							
		Mesostigmata sp.3 (SS)		100	30	30			
		Mesostigmata sp. 7(PD)							1
		Acarina sp. 9(PD)							
		Mesostigmata undetermined							
Collembola	Collembola	Entomobryidae(blind white)	2	20					
		Collembola sp1		50	50	50			
		Collembola Isotomidae							
		Collembola (Sminthuridae)							
Insecta	Hemiptera	Hemipteran juvenile	1						
		Hemipteran undetermined							
	Diptera	Dipteran larvae(as seLN230)							
		Muscidae larvae					500		
		Diptera sp1 (Terr. Culicidae?)							
		Diptera sp2 (Terr.)	7	1	5		8		1
		Diptera sp3 (Terr.)							
		Diptera sp4 (Terr.) Sciaridae?							4
		Diptera sp5 (Terr.)	1						
		Diptera sp6 (Terr.)							
		Diptera muscidae sp1	1						
	Coleoptera	Pselaphidae							
		Carabidae sp 1	2						
		Coleoptera larvae							
		Coleoptera larvae sp. 2							
		Carabidae larvae							
		Coleoptera LN597							
		undetermined coleoptera							
		Undetermined coleoptera sp2							
	Blattodea	Blattodea sp. 1							
	Lepidoptera	Tineidae sp1							
		Undetermined Lepidoptera							
	Orthoptera	Orthoptera sp. 1							
	Psocoptera	Psocoptera				1			
	Hymenoptera	Formicidae sp1							
		Sp1							
Crustacea	Isopoda	Isopoda							
		Total individuals	44	171	86	580	8	8	

Phylum:Class	Order	Phase	3	3	3	3	3
		Taxa	BKC02-CH	BKC03?-T3	BKC03?-T2	BKC03?-CH	JMC?1-T1
Chelicerata			SEFN297	SEFN295	SEFN294	SEFN296	seFN304
Arachnida	Pseudoscorpionida	Pseudoscorpion					
	Arachnida	Araneae sp1					
	Acarina	Oribatidae sp 1 (SS)					
		Oribatidae sp. 2 (SS)					
		Oribatidae sp. 3 (SS)					
		Oribatidae sp. 4 (SS)					
		Acarina sp.1(SS)					
		Acarina sp. 2 (PD)					
		Acarina sp. 4 (PD)					
		Acarina sp. 11 (PD)					
		Mesostigmata sp. 1 (SS)					
		Mesostigmata sp. 2(SS)					
		Mesostigmata sp.3 (SS)					
		Mesostigmata sp. 7(PD)					
		Acarina sp. 9(PD)					
		Mesostigmata undetermined					
Collembola	Collembola	Entomobryidae(blind white)					
		Collembola sp1					
		Collembola Isotomidae					
		Collembola (Sminthuridae)					
Insecta	Hemiptera	Hemipteran juvenile					
		Hemipteran undetermined					
	Diptera	Dipteran larvae(as seLN230)					1
		Muscidae larvae	14				
		Diptera sp1 (Terr. Culicidae?)					
		Diptera sp2 (Terr.)	22	1	6	6	
		Diptera sp3 (Terr.)					
		Diptera sp4 (Terr.) Sciariidae?	4		2		
		Diptera sp5 (Terr.)					
		Diptera sp6 (Terr.)					
		Diptera muscidae sp1	6				
	Coleoptera	Pselaphidae					
		Carabidae sp 1					
		Coleoptera larvae					
		Coleoptera larvae sp. 2					
		Carabidae larvae					
		Coleoptera LN597					
		undetermined coleoptera					2
		Undetermined coleoptera sp2					
	Blattodea	Blattodea sp. 1					
	Lepidoptera	Tineidae sp1	2				
		Undetermined Lepidoptera					
	Orthoptera	Orthoptera sp. 1					
	Psocoptera	Psocoptera					
	Hymenoptera	Formicidae sp1					1
		Sp1					
Crustacea	Isopoda	Isopoda					
		Total individuals	48	1	8	7	3

Phylum:Class	Order	Taxa	Phase	3	3	3	3	3	3
			JMC?3-T1	JMC?3-T2	JMC05-CH	JMC05-T2	JMC05-T3	JMC03-T2	
Chelicerata			seFN283	seFN284	seFN298	seFN299	seFN300	seFN287	
Arachnida	Pseudoscorpionida	Pseudoscorpion							
	Arachnida	Araneae sp1							
	Acarina	Oribatidae sp 1 (SS)							
		Oribatidae sp. 2 (SS)							1
		Oribatidae sp. 3 (SS)							
		Oribatidae sp. 4 (SS)							
		Acarina sp.1(SS)							
		Acarina sp. 2 (PD)							1
		Acarina sp. 4 (PD)							
		Acarina sp. 11 (PD)							
		Mesostigmata sp. 1 (SS)							11
		Mesostigmata sp. 2(SS)							
		Mesostigmata sp.3 (SS)						1	2
		Mesostigmata sp. 7(PD)							
		Acarina sp. 9(PD)							
		Mesostigmata undetermined							
Collembola	Collembola	Entomobryidae(blind white)	5				1		1
		Collembola sp1							
		Collembola Isotomidae							
		Collembola (Sminthuridae)							
Insecta	Hemiptera	Hemipteran juvenile							
		Hemipteran undetermined							
	Diptera	Dipteran larvae(as seLN230)							
		Muscidae larvae				150			
		Diptera sp1 (Terr. Culicidae?)							
		Diptera sp2 (Terr.)	8		1		1		1
		Diptera sp3 (Terr.)							
		Diptera sp4 (Terr.) Sciaridae?	2				1		1
		Diptera sp5 (Terr.)							
		Diptera sp6 (Terr.)			1				
		Diptera muscidae sp1			1				
	Coleoptera	Pselaphidae							
		Carabidae sp 1							
		Coleoptera larvae	4						
		Coleoptera larvae sp. 2							
		Carabidae larvae							
		Coleoptera LN597							
		undetermined coleoptera							
		Undetermined coleoptera sp2							
	Blattodea	Blattodea sp. 1							
	Lepidoptera	Tineidae sp1							
		Undetermined Lepidoptera			1				
	Orthoptera	Orthoptera sp. 1							
	Psocoptera	Psocoptera							
	Hymenoptera	Formicidae sp1	1						
		Sp1							
Crustacea	Isopoda	Isopoda							
		Total individuals	10	11	153	7	15	3	

Phylum:Class	Order	Taxa	Phase	3	3	3	3	3	3
			JMC03-T1	JMC03-T3	JMC02-T1	JMC02-T2	JMC02-T3	JMC?2-T1	
Chelicerata			seFN286	seFN288	seFN305	seFN306	seFN307	seFN281	
Arachnida	Pseudoscorpionida	Pseudoscorpion							
	Arachnida	Araneae sp1							
	Acarina	Oribatidae sp 1 (SS)							
		Oribatidae sp. 2 (SS)							
		Oribatidae sp. 3 (SS)							
		Oribatidae sp. 4 (SS)							
		Acarina sp.1(SS)							
		Acarina sp. 2 (PD)				2			11
		Acarina sp. 4 (PD)							
		Acarina sp. 11 (PD)							
		Mesostigmata sp. 1 (SS)							
		Mesostigmata sp. 2(SS)							
		Mesostigmata sp.3 (SS)							17
		Mesostigmata sp. 7(PD)							
		Acarina sp. 9(PD)							
		Mesostigmata undetermined				1			
Collembola	Collembola	Entomobryidae(blind white)							
		Collembola sp1			3		2		
		Collembola Isotomidae			1				
		Collembola (Sminthuridae)							
Insecta	Hemiptera	Hemipteran juvenile							
		Hemipteran undetermined							
	Diptera	Dipteran larvae(as seLN230)							
		Muscidae larvae							
		Diptera sp1 (Terr. Culicidae?)				1			
		Diptera sp2 (Terr.)	5	2		1		8	
		Diptera sp3 (Terr.)	1				3		
		Diptera sp4 (Terr.) Sciaridae?	1				1		
		Diptera sp5 (Terr.)							
		Diptera sp6 (Terr.)							
		Diptera muscidae sp1	2				1		
	Coleoptera	Pselaphidae							
		Carabidae sp 1							
		Coleoptera larvae			25				
		Coleoptera larvae sp. 2							
		Carabidae larvae							
		Coleoptera LN597							
		undetermined coleoptera							
		Undetermined coleoptera sp2					1		
	Blattodea	Blattodea sp. 1							
	Lepidoptera	Tineidae sp1							
		Undetermined Lepidoptera			1	1		8	
	Orthoptera	Orthoptera sp. 1							
	Psocoptera	Psocoptera							
	Hymenoptera	Formicidae sp1							
		Sp1					2		
Crustacea	Isopoda	Isopoda							
		Total individuals	9	2	34	4	24	28	

Phylum:Class	Order	Phase	3 JMC?2- CH	3 JMC?2- T3	3 Bernts 32	3 Bernts?1-T1	3 Bernts?1- T2	3 KC009-CH
		Taxa	seFN285	seFN282	seFN301	seFN302	seFN303	seFN308
Chelicerata		Pseudoscorpionida	Pseudoscorpion					
Arachnida		Arachnida	Araneae sp1					
		Acarina	Oribatidae sp 1 (SS)					
			Oribatidae sp. 2 (SS)					
			Oribatidae sp. 3 (SS)					
			Oribatidae sp. 4 (SS)					
			Acarina sp.1(SS)				100	12
			Acarina sp. 2 (PD)				40	
			Acarina sp. 4 (PD)			1		
			Acarina sp. 11 (PD)					
			Mesostigmata sp. 1 (SS)		40			
			Mesostigmata sp. 2(SS)					
			Mesostigmata sp.3 (SS)					
			Mesostigmata sp. 7(PD)		1	4		
			Acarina sp. 9(PD)			3		
			Mesostigmata undetermined			2		
Collembola	Collembola	Entomobryidae(blind white)		1		60		
		Collembola sp1						
		Collembola Isotomidae						
		Collembola (Sminthuridae)						
Insecta	Hemiptera	Hemipteran juvenile						
		Hemipteran undetermined						
	Diptera	Dipteran larvae(as seLN230)						
		Muscidae larvae						
		Diptera sp1 (Terr. Culicidae?)						
		Diptera sp2 (Terr.)	7		3			
		Diptera sp3 (Terr.)						
		Diptera sp4 (Terr.) Sciaridae?	1					
		Diptera sp5 (Terr.)						
		Diptera sp6 (Terr.)						
		Diptera muscidae sp1						
	Coleoptera	Pselaphidae						
		Carabidae sp 1						
		Coleoptera larvae			1			
		Coleoptera larvae sp. 2						
		Carabidae larvae						
		Coleoptera LN597				1		
		undetermined coleoptera			1			
		Undetermined coleoptera sp2						
	Blattodea	Blattodea sp. 1						
	Lepidoptera	Tineidae sp1				1	3	
		Undetermined Lepidoptera		1				
	Orthoptera	Orthoptera sp. 1						
	Psocoptera	Psocoptera						
	Hymenoptera	Formicidae sp1						
		Sp1						
Crustacea	Isopoda	Isopoda		1				
		Total individuals	8	5	42	71	141	16

Phylum:Class	Order	Phase	3 KC009- T2	3 KC009- T3	3 KC032- T1	3 KC032- CH	3 KC008-CH	3 KC008-T2
		Taxa	seFN309	seFN310	seFN311	seFN312	seFN313	seFN314
Chelicerata		Pseudoscorpionida	Pseudoscorpion					
Arachnida		Arachnida	Araneae sp1					
		Acarina	Oribatidae sp 1 (SS)					
			Oribatidae sp. 2 (SS)					
			Oribatidae sp. 3 (SS)					
			Oribatidae sp. 4 (SS)					
			Acarina sp.1(SS)		1			
			Acarina sp. 2 (PD)	4	1	100	1	
			Acarina sp. 4 (PD)					
			Acarina sp. 11 (PD)					
			Mesostigmata sp. 1 (SS)			20	10	6
			Mesostigmata sp. 2(SS)					
			Mesostigmata sp.3 (SS)					
			Mesostigmata sp. 7(PD)					
			Acarina sp. 9(PD)		2			
			Mesostigmata undetermined					
Collembola	Collembola		Entomobryidae(blind white)					
			Collembola sp1					
			Collembola Isotomidae					
			Collembola (Sminthuridae)					
Insecta	Hemiptera		Hemipteran juvenile					
			Hemipteran undetermined			1		
	Diptera		Dipteran larvae(as seLN230)	3			1	6
			Muscidae larvae		44			
			Diptera sp1 (Terr. Culicidae?)					
			Diptera sp2 (Terr.)					
			Diptera sp3 (Terr.)					
			Diptera sp4 (Terr.) Sciaridae?					
			Diptera sp5 (Terr.)					
			Diptera sp6 (Terr.)					
			Diptera muscidae sp1					
	Coleoptera		Pselaphidae					
			Carabidae sp 1					
			Coleoptera larvae					
			Coleoptera larvae sp. 2					
			Carabidae larvae					
			Coleoptera LN597					
			undetermined coleoptera					
			Undetermined coleoptera sp2					
	Blattodea		Blattodea sp. 1					
	Lepidoptera		Tineidae sp1	1			1	1
			Undetermined Lepidoptera					
	Orthoptera		Orthoptera sp. 1					1
	Psocoptera		Psocoptera		6			
	Hymenoptera		Formicidae sp1					
			Sp1					
Crustacea	Isopoda		Isopoda					
		Total individuals	8	8	147	22	12	13

Phylum:Class	Order	Phase	3 KC008- T3	3 KC001- T1	3 KC001- CH	3 KC006?- CH	3 KC006?- T2	3 KC006?-T3 seFN320
		Taxa	seFN315	seFN316	seFN317	seFN318	seFN319	
Chelicerata		Pseudoscorpion						
Arachnida	Pseudoscorpionida	Pseudoscorpion						
	Arachnida	Araneae sp1	1					
	Acarina	Oribatidae sp 1 (SS)						
		Oribatidae sp. 2 (SS)						
		Oribatidae sp. 3 (SS)						
		Oribatidae sp. 4 (SS)					2	
		Acarina sp.1(SS)	100	200	100	1	15	40
		Acarina sp. 2 (PD)	6	100	10	1		
		Acarina sp. 4 (PD)						
		Acarina sp. 11 (PD)						
		Mesostigmata sp. 1 (SS)						
		Mesostigmata sp. 2(SS)						
		Mesostigmata sp.3 (SS)	2					
		Mesostigmata sp. 7(PD)						
		Acarina sp. 9(PD)						
		Mesostigmata undetermined						
Collembola	Collembola	Entomobryidae(blind white)			1		2	
		Collembola sp1			1			
		Collembola Isotomidae						
		Collembola (Sminthuridae)						
Insecta	Hemiptera	Hemipteran juvenile						
		Hemipteran undetermined						
	Diptera	Dipteran larvae(as seLN230)			2		16	
		Muscidae larvae	50					400
		Diptera sp1 (Terr. Culicidae?)						
		Diptera sp2 (Terr.)						
		Diptera sp3 (Terr.)						
		Diptera sp4 (Terr.) Sciaridae?						
		Diptera sp5 (Terr.)						
		Diptera sp6 (Terr.)						
		Diptera muscidae sp1						
	Coleoptera	Pselaphidae						
		Carabidae sp 1						
		Coleoptera larvae						
		Coleoptera larvae sp. 2					1	
		Carabidae larvae						
		Coleoptera LN597						
		undetermined coleoptera						
		Undetermined coleoptera sp2						
	Blattodea	Blattodea sp. 1					2	
	Lepidoptera	Tineidae sp1						
		Undetermined Lepidoptera						
	Orthoptera	Orthoptera sp. 1						
	Psocoptera	Psocoptera						
	Hymenoptera	Formicidae sp1						
		Sp1						
Crustacea	Isopoda	Isopoda						
		Total individuals	108	350	114	2	37	441

Phylum:Class	Order	Phase	3 KC031- CH	3 KC031- T2	3 KC028- T1	3 KC028-T2	3 KC005- T1	3 KC005-T2
		Taxa	seFN321	seFN322	seFN323	seFN324	seFN325	seFN326
Chelicerata		Pseudoscorpionida	Pseudoscorpion					
Arachnida		Arachnida	Araneae sp1					
		Acarina	Oribatidae sp 1 (SS)					
			Oribatidae sp. 2 (SS)					
			Oribatidae sp. 3 (SS)					
			Oribatidae sp. 4 (SS)				N	
			Acarina sp.1(SS)		1		1	I
			Acarina sp. 2 (PD)					L
			Acarina sp. 4 (PD)					
			Acarina sp. 11 (PD)					
			Mesostigmata sp. 1 (SS)	1	1		1	F
			Mesostigmata sp. 2(SS)					O
			Mesostigmata sp.3 (SS)					U
			Mesostigmata sp. 7(PD)					N
			Acarina sp. 9(PD)					D
			Mesostigmata undetermined					
Collembola	Collembola		Entomobryidae(blind white)		3	25		
			Collembola sp1					
			Collembola Isotomidae					
			Collembola (Sminthuridae)					
Insecta	Hemiptera		Hemipteran juvenile					
			Hemipteran undetermined					
	Diptera		Dipteran larvae(as seLN230)			1		
			Muscidae larvae				1	
			Diptera sp1 (Terr. Culicidae?)					
			Diptera sp2 (Terr.)					
			Diptera sp3 (Terr.)					
			Diptera sp4 (Terr.) Sciaridae?					
			Diptera sp5 (Terr.)					
			Diptera sp6 (Terr.)					
			Diptera muscidae sp1					
	Coleoptera		Pselaphidae					
			Carabidae sp 1					
			Coleoptera larvae					
			Coleoptera larvae sp. 2					
			Carabidae larvae					
			Coleoptera LN597					
			undetermined coleoptera					
			Undetermined coleoptera sp2					
	Blattodea		Blattodea sp. 1					
	Lepidoptera		Tineidae sp1					
			Undetermined Lepidoptera					
	Orthoptera		Orthoptera sp. 1					
	Psocoptera		Psocoptera					
	Hymenoptera		Formicidae sp1					
			Sp1					
Crustacea	Isopoda		Isopoda		1			
		Total individuals		1	5	26	3	2
							0	

Phylum:Class	Order	Phase	3 KC002- T1 seFN327	3 SS-Toilet- T1 seFN328	3 SS-Toilet-T2 seFN329
Chelicerata		Taxa			
Arachnida	Pseudoscorpionida	Pseudoscorpion			
	Arachnida	Araneae sp1			
	Acarina	Oribatidae sp 1 (SS)			
		Oribatidae sp. 2 (SS)			
		Oribatidae sp. 3 (SS)			
		Oribatidae sp. 4 (SS)		N	
		Acarina sp.1(SS)	11	10	I
		Acarina sp. 2 (PD)	1	6	L
		Acarina sp. 4 (PD)			
		Acarina sp. 11 (PD)			
		Mesostigmata sp. 1 (SS)	1	10	F
		Mesostigmata sp. 2(SS)		O	
		Mesostigmata sp.3 (SS)		U	
		Mesostigmata sp. 7(PD)		N	
		Acarina sp. 9(PD)		D	
		Mesostigmata undetermined			
Collembola	Collembola	Entomobryidae(blind white)	1		
		Collembola sp1			
		Collembola Isotomidae			
		Collembola (Sminthuridae)			
Insecta	Hemiptera	Hemipteran juvenile			
		Hemipteran undetermined			
	Diptera	Dipteran larvae(as seLN230)			
		Muscidae larvae			
		Diptera sp1 (Terr. Culicidae?)			
		Diptera sp2 (Terr.)			
		Diptera sp3 (Terr.)			
		Diptera sp4 (Terr.) Sciaridae?			
		Diptera sp5 (Terr.)			
		Diptera sp6 (Terr.)			
		Diptera muscidae sp1			
	Coleoptera	Pselaphidae			
		Carabidae sp 1			
		Coleoptera larvae			
		Coleoptera larvae sp. 2			
		Carabidae larvae			
		Coleoptera LN597			
		undetermined coleoptera			
		Undetermined coleoptera sp2			
	Blattodea	Blattodea sp. 1			
	Lepidoptera	Tineidae sp1			
		Undetermined Lepidoptera			
	Orthoptera	Orthoptera sp. 1			
	Psocoptera	Psocoptera			
	Hymenoptera	Formicidae sp1	1	4	
		Sp1			
Crustacea	Isopoda	Isopoda	1		
		Total individuals	15	30	0

## Appendix 2

Specimen Tracking Codes all survey phases (pilot, 1, 2, and 3). Coloured vials are vouchers.

Phylum:Class	Order	Phase	Pilot SSP27- T3	Pilot SSP28- T1	Pilot SSP28- T2	Pilot SSP27- T2	Pilot SSP27- T1	Pilot SSP28- T3
		Taxa						
Chelicerata	Arachnida	Araneae sp1	seFN099	seFN100	seFN101	seFN098	seFN097	seFN102
Arachnida	Pseudoscorpionida	Pseudoscorpion sp1						
	Acarina	Oribatidae sp 1 (SS)	seLN285		seLN269	seLN272	seLN281	seLN176
		Oribatidae sp. 2 (SS)	seLN289			seLN273		
		Oribatidae sp. 3 (SS)	seLN291					
		Oribatidae sp. 4 (SS)						
		Acarina sp.1(SS)			seLN271			
		Acarina sp. 2 (PD)	seLN287	seLN268		seLN277	seLN280	
		Acarina sp. 4 (PD)						
		Acarina sp. 11 (PD)						
		Mesostigmata sp. 1 (SS)	seLN290		seLN276		seLN334	
		Mesostigmata sp. 2(SS)			seLN275	seLN282		
		Mesostigmata sp.3 (SS)						
		Mesostigmata sp. 7(PD)						
		Acarina sp. 9(PD)						
		Mesostigmata undetermined						
Collembola	Collembola	Entomobryidae(blind white)						
		Collembola Type I	seLN283		seLN270	seLN274	seLN279	
		Collembola Isotomidae	seLN284					
		Collembola (Sminthuridae)	seLN286					
Insecta	Hemiptera	Hemipteran juvenile				seLn278		
	Diptera	Dipteran larvae(as seLN230)	seLN288					
		Muscidae larvae						
		Diptera sp1 (Terr. Culicidae?)						
		Diptera sp2 (Terr.)						
		Diptera sp3 (Terr.)						
		Diptera sp4 (Terr.)						
		Diptera sp5 (Terr.)						
		Diptera sp6 (Terr.)						
		Diptera muscidae sp1						
	Coleoptera	Pselaphidae						
		Carabidae sp 1						
		Coleoptera larvae						
		Carabidae larvae						
		undetermined coleoptera						
		Undetermined coleoptera sp2						
	Blattodea	Nocticolidae						
	Lepidoptera	Tineidae sp1						
		Undetermined Lepidoptera						
	Psocoptera	Psocoptera						
	Hymenoptera	Formicidae sp1						
	Hymenoptera	Sp1						
Crustacea	Isopoda	Isopoda						

Phylum:Class	Order	Phase	Pilot	1	1	1	1	1	1
		Taxa	SSP21	SSP28	SSP27	SSP26	SSP20	SSP1	SSD82
Chelicerata	Arachnida	Araneae sp1	seFN103	seFN142	seFN141	seFN139	seFN143	seFN145	seFN156
Arachnida	Pseudoscorpionida	Pseudoscorpion sp1							
	Acarina	Oribatidae sp 1 (SS)							
		Oribatidae sp. 2 (SS)							
		Oribatidae sp. 3 (SS)							
		Oribatidae sp. 4 (SS)							
		Acarina sp.1(SS)							
		Acarina sp. 2 (PD)							
		Acarina sp. 4 (PD)							
		Acarina sp. 11 (PD)	seLN335						
		Mesostigmata sp. 1 (SS)							
		Mesostigmata sp. 2(SS)							
		Mesostigmata sp.3 (SS)	seLN336						
		Mesostigmata sp. 7(PD)							
		Acarina sp. 9(PD)							
		Mesostigmata undetermined							
Collembola	Collembola	Entomobryidae(blind white)							
		Collembola Type I							
		Collembola Isotomidae							
		Collembola (Sminthuridae)							
Insecta	Hemiptera	Hemipteran juvenile							
	Diptera	Dipteran larvae(as seLN230)							
		Muscidae larvae	seLN337						
		Diptera sp1 (Terr. Culicidae?)							
		Diptera sp2 (Terr.)							
		Diptera sp3 (Terr.)							
		Diptera sp4 (Terr.)							
		Diptera sp5 (Terr.)							
		Diptera sp6 (Terr.)							
		Diptera muscidae sp1							
	Coleoptera	Pselaphidae							
		Carabidae sp 1							
		Coleoptera larvae							
		Carabidae larvae							
		undetermined coleoptera							
		Undetermined coleoptera sp2							
	Blattodea	Nocticolidae							
	Lepidoptera	Tineidae sp1							
		Undetermined Lepidoptera							
	Psocoptera	Psocoptera					seLN436		
	Hymenoptera	Formicidae sp1							
	Hymenoptera	Sp1							
Crustacea	Isopoda	Isopoda							

Phylum:Class	Order	Phase	1	1	1	1	1	1	1
		Taxa	SSP16	SSP36	SSP17	SSP21	SSD75A	SSP18	SSP33
Chelicera	Arachnida	Araneae sp1	seFN155	seFN140	seFN147	seFN146	seFN150	seFN149	seFN154
Arachnid	Pseudoscorpionida	Pseudoscorpion sp1							
	Acarina	Oribatidae sp 1 (SS)	seLN446		seLN450			seLN464	seLN466
		Oribatidae sp. 2 (SS)							
		Oribatidae sp. 3 (SS)							
		Oribatidae sp. 4 (SS)							
		Acarina sp.1(SS)	seLN445		seLN450		seLN458		
		Acarina sp. 2 (PD)	seLN448				seLN460		
		Acarina sp. 4 (PD)							
		Acarina sp. 11 (PD)	seLN447		seLN451				
		Mesostigmata sp. 1 (SS)	seLN444					seLN461	
		Mesostigmata sp. 2(SS)							
		Mesostigmata sp.3 (SS)	seLN444						seLN466
		Mesostigmata sp. 7(PD)							seLN466
		Acarina sp. 9(PD)							
		Mesostigmata undetermined					seLN460		
Collembola	Collembola	Entomobryidae(blind white)	seLN442	seLN449		seLN453	seLN457	seLN462	seLN465
		Collembola Type I					seLN459		
		Collembola Isotomidae					seLN456		
		Collembola (Sminthuridae)							
Insecta	Hemiptera	Hemipteran juvenile				seLN452			
	Diptera	Dipteran larvae(as seLN230)	seLN443						
		Muscidae larvae							
		Diptera sp1 (Terr. Culicidae?)							
		Diptera sp2 (Terr.)							
		Diptera sp3 (Terr.)							
		Diptera sp4 (Terr.)							
		Diptera sp5 (Terr.)							
		Diptera sp6 (Terr.)							
		Diptera muscidae sp1							
	Coleoptera	Pselaphidae				seLN454			
		Carabidae sp 1							
		Coleoptera larvae							
		Carabidae larvae							
		undetermined coleoptera							
		Undetermined coleoptera sp2							
	Blattodea	Nocticolidae				seLN455			
	Lepidoptera	Tineidae sp1							
		Undetermined Lepidoptera							
	Psocoptera	Psocoptera				seLN463			
	Hymenoptera	Formicidae sp1							
	Hymenoptera	Sp1							
Crustacea	Isopoda	Isopoda							

Phylum:Class	Order	Phase	1	1	1	1	1	2	2
		Taxa	SSP86	SSP22	SSP19	SSP34	SSP23?	KCC009	KCC005
Chelicerata	Arachnida	Araneae sp1	seFN151	seFN153	seFN148	seFN152	seFN144	seFN261	seFN262
Arachnida	Pseudoscorpionida	Pseudoscorpion sp1							
	Acarina	Oribatidae sp 1 (SS)		seLN470	seLN472				
		Oribatidae sp. 2 (SS)	seLN468						
		Oribatidae sp. 3 (SS)							
		Oribatidae sp. 4 (SS)							
		Acarina sp.1(SS)	scLN467		seLN472	seLN476	seLN477		
		Acarina sp. 2 (PD)	seLN467			seLN476	seLN477		
		Acarina sp. 4 (PD)							
		Acarina sp. 11 (PD)							
		Mesostigmata sp. 1 (SS)	scLN467		seLN472				
		Mesostigmata sp. 2(SS)					seLN477		
		Mesostigmata sp.3 (SS)							
		Mesostigmata sp. 7(PD)							
		Acarina sp. 9(PD)	seLN468						
		Mesostigmata undetermined							
Collembola	Collembola	Entomobryidae(blind white)	seLN469		seLN471		seLN478		
		Collembola Type I					seLN478	seLN559	
		Collembola Isotomidae							
		Collembola (Sminthuridae)					seLN478		
Insecta	Hemiptera	Hemipteran juvenile							
	Diptera	Dipteran larvae(as seLN230)							
		Muscidae larvae							
		Diptera sp1 (Terr. Culicidae?)							
		Diptera sp2 (Terr.)							
		Diptera sp3 (Terr.)							
		Diptera sp4 (Terr.)							
		Diptera sp5 (Terr.)							
		Diptera sp6 (Terr.)							
		Diptera muscidae sp1							
	Coleoptera	Pselaphidae			seLN473				
		Carabidae sp 1			seLN475				
		Coleoptera larvae							
		Carabidae larvae							
		undetermined coleoptera							
		Undetermined coleoptera sp2							
	Blattodea	Nocticolidae			seLN474				
	Lepidoptera	Tineidae sp1							
		Undetermined Lepidoptera							
	Psocoptera	Psocoptera						seLN546	
	Hymenoptera	Formicidae sp1							
	Hymenoptera	Sp1							
Crustacea	Isopoda	Isopoda							

Phylum:Class	Order	Phase	2	2	2	2	KCC006?-	2	2
		Taxa	KCC008	KCC032	KCC031	T1	T1	KCC006-	KCC002-
Chelicerata	Arachnida	Araneae sp1	seFN263	seFN264	seFN265	seFN266	seFN267	seFN269	

Arachnida	Pseudoscorpionida	Pseudoscorpion sp1			seLN524
	Acarina	Oribatidae sp 1 (SS)			
		Oribatidae sp. 2 (SS)			
		Oribatidae sp. 3 (SS)			
		Oribatidae sp. 4 (SS)			
		Acarina sp.1(SS)	seLN534		seLN521
		Acarina sp. 2 (PD)		seLN536	seLn521
		Acarina sp. 4 (PD)			seLN527
		Acarina sp. 11 (PD)			
		Mesostigmata sp. 1 (SS)	seLN526	seLN534	
		Mesostigmata sp. 2(SS)			seLN536
		Mesostigmata sp.3 (SS)			
		Mesostigmata sp. 7(PD)			seLN536
		Acarina sp. 9(PD)			
		Mesostigmata undetermined			
Collembola	Collembola	Entomobryidae(blind white)			seLN525
		Collembola Type I			seLN535
		Collembola Isotomidae			seLN522
		Collembola (Sminthuridae)			seLN528
Insecta	Hemiptera	Hemipteran juvenile			
	Diptera	Dipteran larvae(as seLN230)		seLN540	seLN523
		Muscidae larvae			
		Diptera sp1 (Terr. Culicidae?)			
		Diptera sp2 (Terr.)			
		Diptera sp3 (Terr.)			
		Diptera sp4 (Terr.)			
		Diptera sp5 (Terr.)			
		Diptera sp6 (Terr.)			
		Diptera muscidae sp1			
	Coleoptera	Pselaphidae			
		Carabidae sp 1			
		Coleoptera larvae			
		Carabidae larvae		seLN533	
		undetermined coleoptera			
		Undetermined coleoptera sp2			
	Blattodea	Nocticolidae		seLN545	seLN537
	Lepidoptera	Tineidae sp1			seLN529
		Undetermined Lepidoptera			
	Psocoptera	Psocoptera			
	Hymenoptera	Formicidae sp1			
	Hymenoptera	Sp1			
Crustacea	Isopoda	Isopoda		seLN538	

Phylum:Class	Order	Phase	2 KCC002- T2	2 KCC001- T2	2 KCC001- T1	2 Bernts ?1	2 Bernts? 2	3 SSP005- T1
Chelicerata	Arachnida	Araneae sp1	seFN270	seFN271	seFN272	seFN273	seFN274	SEFN259
Arachnida	Pseudoscorpionida	Pseudoscorpion sp1						
	Acarina	Oribatidae sp 1 (SS)						
		Oribatidae sp. 2 (SS)						
		Oribatidae sp. 3 (SS)						
		Oribatidae sp. 4 (SS)						seLN788

		Acarina sp.1(SS)	seLN555	seLN556	seLN542			
		Acarina sp. 2 (PD)		seLN556	seLN542	seLN551		
		Acarina sp. 4 (PD)						
		Acarina sp. 11 (PD)						
		Mesostigmata sp. 1 (SS)		seLN556			seLN530	
		Mesostigmata sp. 2(SS)						
		Mesostigmata sp.3 (SS)						
		Mesostigmata sp. 7(PD)						
		Acarina sp. 9(PD)						
		Mesostigmata undetermined	seLN553					
Collembola	Collembola	Entomobryidae(blind white)			seLN543	seLN547		seLN787
		Collembola Type I	seLN558		seLN541			
		Collembola Isotomidae						seLN786
		Collembola (Sminthuridae)						
Insecta	Hemiptera	Hemipteran juvenile						
	Diptera	Dipteran larvae(as seLN230)			seLN544	seLN548		
		Muscidae larvae						
		Diptera sp1 (Terr. Culicidae?)						
		Diptera sp2 (Terr.)						
		Diptera sp3 (Terr.)						
		Diptera sp4 (Terr.)						
		Diptera sp5 (Terr.)						
		Diptera sp6 (Terr.)						
		Diptera muscidae sp1						
	Coleoptera	Pselaphidae	seLN554					
		Carabidae sp 1					seLN552	seLN532
		Coleoptera larvae						
		Carabidae larvae						
		undetermined coleoptera	1	1	1	seLN549		
		Undetermined coleoptera sp2						
	Blattodea	Nocticolidae					seLN550	
	Lepidoptera	Tineidae sp1						
		Undetermined Lepidoptera						
	Psocoptera	Psocoptera		seLN557				seLN531
	Hymenoptera	Formicidae sp1						
	Hymenoptera	Sp1						
Crustacea	Isopoda	Isopoda						

Phylum:Class	Order	Phase	3 SSP005- T2	3 SSP005- CH	3 SSP003- T1	3 SSP003- T2	3 SSP04- CH	3 SSP04- T1
Chelicerata	Arachnida	Araneae sp1	SEFN260	SEFN275	SEFN279	SEFN280	SEFN278	SEFN276
Arachnida	Pseudoscorpionida	Pseudoscorpion sp1						
	Acarina	Oribatidae sp 1 (SS)						
		Oribatidae sp. 2 (SS)						
		Oribatidae sp. 3 (SS)	seLN789	seLN793				
		Oribatidae sp. 4 (SS)						
		Acarina sp.1(SS)						
		Acarina sp. 2 (PD)			seLN800	seLN803	seLN811	
		Acarina sp. 4 (PD)		seLN793				
		Acarina sp. 11 (PD)						
		Mesostigmata sp. 1 (SS)			seLN799	seLN805		seLN815

		Mesostigmata sp. 2(SS)					
		Mesostigmata sp.3 (SS)					
		Mesostigmata sp. 7(PD)					
		Acarina sp. 9(PD)					
		Mesostigmata undetermined					
Collembola	Collembola	Entomobryidae(blind white)	seLN790				seLN816
		Collembola Type I		seLN795	seLN797		
		Collembola Isotomidae					
		Collembola (Sminthuridae)					
Insecta	Hemiptera	Hemipteran juvenile					
	Diptera	Dipteran larvae(as seLN230)					seLN810
		Muscidae larvae					
		Diptera sp1 (Terr. Culicidae?)	seLN791				
		Diptera sp2 (Terr.)	seLN792	seLN796	seLN798	seLN804	seLN809
		Diptera sp3 (Terr.)				seLN801	seLN812
		Diptera sp4 (Terr.)					seLN813
		Diptera sp5 (Terr.)					
		Diptera sp6 (Terr.)					
		Diptera muscidae sp1					
	Coleoptera	Pselaphidae					
		Carabidae sp 1					
		Coleoptera larvae					seLN802
		Carabidae larvae					
		undetermined coleoptera				seLN806	seLN808
		Undetermined coleoptera sp2					
	Blattodea	Nocticolidae					seLN807
	Lepidoptera	Tineidae sp1					seLN814
		Undetermined Lepidoptera					
	Psocoptera	Psocoptera			seLN794		
	Hymenoptera	Formicidae sp1					
	Hymenoptera	Sp1					
Crustacea	Isopoda	Isopoda					

Phylum:Class	Order	Phase	3 SSP04- T2	3 BKC01- T1	3 BKC01- T2	3 BKC01- CH	3 BKC02- T1	3 BKC02- T2
Chelicerata	Arachnida	Taxa						
		Araneae sp1	SEFN277	SEFN289	SEFN290	SEFN291	SEFN292	SEFN293
Arachnida	Pseudoscorpionida	Pseudoscorpion sp1						
	Acarina	Oribatidae sp 1 (SS)						
		Oribatidae sp. 2 (SS)						
		Oribatidae sp. 3 (SS)						
		Oribatidae sp. 4 (SS)						
		Acarina sp.1(SS)						
		Acarina sp. 2 (PD)						
		Acarina sp. 4 (PD)						
		Acarina sp. 11 (PD)						
		Mesostigmata sp. 1 (SS)						
		Mesostigmata sp. 2(SS)						
		Mesostigmata sp.3 (SS)						
		Mesostigmata sp. 7(PD)						
		Acarina sp. 9(PD)						
		Mesostigmata undetermined						

Collembola	Collembola	Entomobryidae(blind white)	seLN820	seLN824			
		Collembola Type I		seLN824	seLN825	seLN828	
		Collembola Isotomidae					
		Collembola (Sminthuridae)					
Insecta	Hemiptera	Hemipteran juvenile	seLN821				
	Diptera	Dipteran larvae(as seLN230)			seLN828		seLN832
		Muscidae larvae					
		Diptera sp1 (Terr. Culicidae?)					
		Diptera sp2 (Terr.)	seLN817	seLN824	seLN826		seLN829
		Diptera sp3 (Terr.)					seLN831
		Diptera sp4 (Terr.)					seLN830
		Diptera sp5 (Terr.)	seLN818				
		Diptera sp6 (Terr.)					
		Diptera muscidae sp1	seLN819				
	Coleoptera	Pselaphidae					
		Carabidae sp 1	seLN823				
		Coleoptera larvae					
		Carabidae larvae					
		undetermined coleoptera					
		Undetermined coleoptera sp2					
	Blattodea	Nocticolidae					
	Lepidoptera	Tineidae sp1					
		Undetermined Lepidoptera				seLN827	
	Psocoptera	Psocoptera					
	Hymenoptera	Formicidae sp1					
	Hymenoptera	Sp1					
Crustacea	Isopoda	Isopoda					

Phylum:Class	Order	Phase	3	3	3	3	3	3
		Taxa	BKC02-	BKC03?-	BKC03?-	BKC03?-	JMC?1-	JMC?3-
Chelicerata	Arachnida	Araneae sp1	CH	T3	T2	CH	T1	T1
		SEFN297	SEFN295	SEFN294	SEFN296	SEFN296	seFN304	seFN283
Arachnida	Pseudoscorpionida	Pseudoscorpion sp1						
	Acarina	Oribatidae sp 1 (SS)						
		Oribatidae sp. 2 (SS)						
		Oribatidae sp. 3 (SS)						
		Oribatidae sp. 4 (SS)						
		Acarina sp.1(SS)						
		Acarina sp. 2 (PD)						
		Acarina sp. 4 (PD)						
		Acarina sp. 11 (PD)						
		Mesostigmata sp. 1 (SS)						
		Mesostigmata sp. 2(SS)						
		Mesostigmata sp.3 (SS)						
		Mesostigmata sp. 7(PD)						
		Acarina sp. 9(PD)						
		Mesostigmata undetermined						
Collembola	Collembola	Entomobryidae(blind white)					seLN847	
		Collembola Type I						
		Collembola Isotomidae						
		Collembola (Sminthuridae)						
Insecta	Hemiptera	Hemipteran juvenile						

	Diptera	Dipteran larvae(as seLN230)		seLN843		
		Muscidae larvae	seLN838			
		Diptera sp1 (Terr. Culicidae?)				
		Diptera sp2 (Terr.)	seLN835	seLN839	seLN840	seLN842
		Diptera sp3 (Terr.)				
		Diptera sp4 (Terr.)	seLN837		seLN841	
		Diptera sp5 (Terr.)				
		Diptera sp6 (Terr.)				
		Diptera muscidae sp1	seLN836			
	Coleoptera	Pselaphidae				
		Carabidae sp 1				
		Coleoptera larvae				
		Carabidae larvae		seLN846		
		undetermined coleoptera				
		Undetermined coleoptera sp2				
	Blattodea	Nocticolidae				
	Lepidoptera	Tineidae sp1	seLN834			
		Undetermined Lepidoptera				
	Psocoptera	Psocoptera				
	Hymenoptera	Formicidae sp1		seLN845	seLN848	
	Hymenoptera	Sp1				
Crustacea	Isopoda	Isopoda				

Phylum:Class	Order	Phase	3 JMC?3- T2	3 JMC05- CH	3 JMC05- T2	3 JMC05- T3	3 JMC03- T2	3 JMC03- T1
		Taxa						
Chelicerata	Arachnida	Araneae sp1	seFN284	seFN298	seFN299	seFN300	seFN287	seFN286
Arachnida	Pseudoscorpionida	Pseudoscorpion sp1						
	Acarina	Oribatidae sp 1 (SS)						
		Oribatidae sp. 2 (SS)						
		Oribatidae sp. 3 (SS)						
		Oribatidae sp. 4 (SS)						
		Acarina sp.1(SS)						
		Acarina sp. 2 (PD)						
		Acarina sp. 4 (PD)						
		Acarina sp. 11 (PD)						
		Mesostigmata sp. 1 (SS)				seLN862		
		Mesostigmata sp. 2(SS)						
		Mesostigmata sp.3 (SS)				seLN859	seLN861	
		Mesostigmata sp. 7(PD)						
		Acarina sp. 9(PD)						
		Mesostigmata undetermined						
Collembola	Collembola	Entomobryidae(blind white)				seLN860		seLN867
		Collembola Type I						
		Collembola Isotomidae						
		Collembola (Sminthuridae)						
Insecta	Hemiptera	Hemipteran juvenile						
	Diptera	Dipteran larvae(as seLN230)						
		Muscidae larvae			seLN855			
		Diptera sp1 (Terr. Culicidae?)						
		Diptera sp2 (Terr.)	seLN850	seLN854	seLN857	seLN863	seLN866	seLN870
		Diptera sp3 (Terr.)						seLN871

	Diptera sp4 (Terr.)	seLN849	seLN864	seLN865	seLN868
	Diptera sp5 (Terr.)				
	Diptera sp6 (Terr.)		seLN853		
	Diptera muscidae sp1		seLN852		seLN869
Coleoptera	Pselaphidae				
	Carabidae sp 1				
	Coleoptera larvae				
	Carabidae larvae				
	undetermined coleoptera				
	Undetermined coleoptera sp2				
Blattodea	Nocticolidae				
Lepidoptera	Tineidae sp1				
	Undetermined Lepidoptera	seLN851			
Psocoptera	Psocoptera				
Hymenoptera	Formicidae sp1				
Hymenoptera	Sp1				
Crustacea	Isopoda	Isopoda			

Phylum:Class	Order	Phase	3 JMC03- T3	3 JMC02- T1	3 JMC02- T2	3 JMC02- T3	3 JMC?2- T1	3 JMC?2- CH
		Taxa						
Chelicerata	Arachnida	Araneae sp1	seFN288	seFN305	seFN306	seFN307	seFN281	seFN285
Arachnida	Pseudoscorpionida	Pseudoscorpion sp1						
	Acarina	Oribatidae sp 1 (SS)						
		Oribatidae sp. 2 (SS)						
		Oribatidae sp. 3 (SS)						
		Oribatidae sp. 4 (SS)						
		Acarina sp.1(SS)						
		Acarina sp. 2 (PD)				seLN878		seLN891
		Acarina sp. 4 (PD)						
		Acarina sp. 11 (PD)						
		Mesostigmata sp. 1 (SS)						
		Mesostigmata sp. 2(SS)						
		Mesostigmata sp.3 (SS)						
		Mesostigmata sp. 7(PD)						
		Acarina sp. 9(PD)						
		Mesostigmata undetermined			seLN876			
Collembola	Collembola	Entomobryidae(blind white)						
		Collembola Type I	seLN873		seLN881			
		Collembola Isotomidae			seLN879			
		Collembola (Sminthuridae)						
Insecta	Hemiptera	Hemipteran juvenile						
	Diptera	Dipteran larvae(as seLN230)						
		Muscidae larvae						
		Diptera sp1 (Terr. Culicidae?)				seLN875		
		Diptera sp2 (Terr.)	seLN872		seLN882	seLN884		seLN892
		Diptera sp3 (Terr.)					seLN885	
		Diptera sp4 (Terr.)					seLN888	seLN893
		Diptera sp5 (Terr.)						
		Diptera sp6 (Terr.)						
		Diptera muscidae sp1				seLN886		
	Coleoptera	Pselaphidae						

	Carabidae sp 1						
	Coleoptera larvae	seLN874					
	Carabidae larvae						
	undetermined coleoptera						
	Undetermined coleoptera sp2	seLN889					
Blattodea	Nocticolidae						
Lepidoptera	Tineidae sp1						
	Undetermined Lepidoptera	seLN877	seLN880	seLN883			
Psocoptera	Psocoptera						
Hymenoptera	Formicidae sp1						
Hymenoptera	Sp1	seLN887					
Crustacea	Isopoda	Isopoda					

Phylum:Class	Order	Phase	3	3	3	3	3	KC009-
		Taxa	JMC?2-T3	Bernts 32	Bernts?1-T1	Bernts?1-T2	KC009-CH	KC009-T2
Chelicerata	Arachnida	Araneae sp1	seFN282	seFN301	seFN302	seFN303	seFN308	seFN309
Arachnida	Pseudoscorpionida	Pseudoscorpion sp1						
	Acarina	Oribatidae sp 1 (SS)						
		Oribatidae sp. 2 (SS)						
		Oribatidae sp. 3 (SS)						
		Oribatidae sp. 4 (SS)						
		Acarina sp.1(SS)					seLN593	seLN595
		Acarina sp. 2 (PD)					seLN593	seLN598
		Acarina sp. 4 (PD)				seLN 606		
		Acarina sp. 11 (PD)				seLN608		
		Mesostigmata sp. 1 (SS)						
		Mesostigmata sp. 2(SS)						
		Mesostigmata sp.3 (SS)						
		Mesostigmata sp. 7(PD)				seLN608	seLN606	
		Acarina sp. 9(PD)					seLN606	
		Mesostigmata undetermined					seLN606	
Collembola	Collembola	Entomobryidae(blind white)	seLN896					
		Collembola Type I				seLN605		
		Collembola Isotomidae						
		Collembola (Sminthuridae)						
Insecta	Hemiptera	Hemipteran juvenile						
	Diptera	Dipteran larvae(as seLN230)						
		Muscidae larvae						
		Diptera sp1 (Terr. Culicidae?)	seLN895					
		Diptera sp2 (Terr.)						
		Diptera sp3 (Terr.)						
		Diptera sp4 (Terr.)						
		Diptera sp5 (Terr.)						
		Diptera sp6 (Terr.)						
		Diptera muscidae sp1						
	Coleoptera	Pselaphidae						
		Carabidae sp 1						
		Coleoptera larvae						
		Carabidae larvae						
		undetermined coleoptera				seLN607		
		Undetermined coleoptera sp2						

	Blattodea	Nocticolidae					
	Lepidoptera	Tineidae sp1				seLN597	
		Undetermined Lepidoptera	scLN894	seLN609			
	Psocoptera	Psocoptera					
	Hymenoptera	Formicidae sp1					
	Hymenoptera	Sp1					
Crustacea	Isopoda	Isopoda	scLN897		seLN594	seLN596	seLN600

Phylum:Class	Order	Phase	3 KC009- T3	3 KC032- T1	3 KC032- CH	3 KC008- CH	3 KC008- T2	3 KC008- T3
		Taxa	seFN310	seFN311	seFN312	seFN313	seFN314	seFN315
Chelicerata	Arachnida	Araneae sp1						
Arachnida	Pseudoscorpionida	Pseudoscorpion sp1						
	Acarina	Oribatidae sp 1 (SS)						
		Oribatidae sp. 2 (SS)						
		Oribatidae sp. 3 (SS)						
		Oribatidae sp. 4 (SS)						
		Acarina sp.1(SS)						
		Acarina sp. 2 (PD)						
		Acarina sp. 4 (PD)						
		Acarina sp. 11 (PD)						
		Mesostigmata sp. 1 (SS)						
		Mesostigmata sp. 2(SS)						
		Mesostigmata sp.3 (SS)						
		Mesostigmata sp. 7(PD)						
		Acarina sp. 9(PD)						
		Mesostigmata undetermined						
Collembola	Collembola	Entomobryidae(blind white)						
		Collembola Type I						
		Collembola Isotomidae						
		Collembola (Sminthuridae)						
Insecta	Hemiptera	Hemipteran juvenile						
	Diptera	Dipteran larvae(as seLN230)						
		Muscidae larvae						
		Diptera sp1 (Terr. Culicidae?)						
		Diptera sp2 (Terr.)						
		Diptera sp3 (Terr.)						
		Diptera sp4 (Terr.)						
		Diptera sp5 (Terr.)						
		Diptera sp6 (Terr.)						
		Diptera muscidae sp1						
	Coleoptera	Pselaphidae						
		Carabidae sp 1						
		Coleoptera larvae						
		Carabidae larvae						
		undetermined coleoptera						
		Undetermined coleoptera sp2						
	Blattodea	Nocticolidae						
	Lepidoptera	Tineidae sp1						
		Undetermined Lepidoptera						
	Psocoptera	Psocoptera						
	Hymenoptera	Formicidae sp1						

	Hymenoptera	Sp1				seLN611
Crustacea	Isopoda	Isopoda		seLN941	seLN944	

Phylum:Class	Order	Phase	3 KC001- T1	3 KC001- CH	3 KC006?- CH	3 KC006?- T2	3 KC006?- T3	3 KC031- CH
		Taxa	seFN316	seFN317	seFN318	seFN319	seFN320	seFN321
Chelicera	Arachnida	Araneae sp1						
Arachnida	Pseudoscorpionida	Pseudoscorpion sp1						
	Acarina	Oribatidae sp 1 (SS)						
		Oribatidae sp. 2 (SS)						
		Oribatidae sp. 3 (SS)						
		Oribatidae sp. 4 (SS)						
		Acarina sp.1(SS)	seLN567	seLN577	seLN586	seLN582	seLN602	
		Acarina sp. 2 (PD)	seLN567	seLN577	seLN586			
		Acarina sp. 4 (PD)						
		Acarina sp. 11 (PD)						
		Mesostigmata sp. 1 (SS)						
		Mesostigmata sp. 2(SS)						
		Mesostigmata sp.3 (SS)						
		Mesostigmata sp. 7(PD)						
		Acarina sp. 9(PD)						
		Mesostigmata undetermined						
Collembola	Collembola	Entomobryidae(blind white)						
		Collembola Type I				seLN578	seLN584	
		Collembola Isotomidae				seLN579		
		Collembola (Sminthuridae)						
Insecta	Hemiptera	Hemipteran juvenile						
	Diptera	Dipteran larvae(as seLN230)						
		Muscidae larvae						
		Diptera sp1 (Terr. Culicidae?)	seLN568	seLN580	seLN581			
		Diptera sp2 (Terr.)					seLN601	
		Diptera sp3 (Terr.)						
		Diptera sp4 (Terr.)						
		Diptera sp5 (Terr.)						
		Diptera sp6 (Terr.)						
		Diptera muscidae sp1						
	Coleoptera	Pselaphidae						
		Carabidae sp 1						
		Coleoptera larvae						
		Carabidae larvae						
		undetermined coleoptera						
		Undetermined coleoptera sp2					seLN603	
	Blattodea	Nocticolidae						
	Lepidoptera	Tineidae sp1						
		Undetermined Lepidoptera						
	Psocoptera	Psocoptera						
	Hymenoptera	Formicidae sp1						
	Hymenoptera	Sp1						
Crustacea	Isopoda	Isopoda						

Phylum:Class	Order	Phase	3 KC031-	3 KC028-	3 KC028-	3 KC005-	3 KC005-
		Taxa	KC031-	KC028-	KC028-	KC005-	KC005-

			T2	T1	T2	T1	T2
Chelicerata	Arachnida	Araneae sp1	seFN322	seFN323	seFN324	seFN325	seFN326
Arachnida	Pseudoscorpionida	Pseudoscorpion sp1					
	Acarina	Oribatidae sp 1 (SS)					
		Oribatidae sp. 2 (SS)					
		Oribatidae sp. 3 (SS)					
		Oribatidae sp. 4 (SS)					
		Acarina sp.1(SS)	seLN575		seLN569		
		Acarina sp. 2 (PD)					
		Acarina sp. 4 (PD)					
		Acarina sp. 11 (PD)					
		Mesostigmata sp. 1 (SS)	seLN575		seLN569	seLN571	
		Mesostigmata sp. 2(SS)					
		Mesostigmata sp.3 (SS)					
		Mesostigmata sp. 7(PD)					
		Acarina sp. 9(PD)					
		Mesostigmata undetermined					
Collembola	Collembola	Entomobryidae(blind white)	seLN576	seLN572			
		Collembola Type I					
		Collembola Isotomidae					
		Collembola (Sminthuridae)					
Insecta	Hemiptera	Hemipteran juvenile					
	Diptera	Dipteran larvae(as seLN230)					
		Muscidae larvae					
		Diptera sp1 (Terr. Culicidae?)	seLN573				
		Diptera sp2 (Terr.)			seLN570		
		Diptera sp3 (Terr.)					
		Diptera sp4 (Terr.)					
		Diptera sp5 (Terr.)					
		Diptera sp6 (Terr.)					
		Diptera muscidae sp1					
	Coleoptera	Pselaphidae					
		Carabidae sp 1					
		Coleoptera larvae					
		Carabidae larvae					
		undetermined coleoptera					
		Undetermined coleoptera sp2					
	Blattodea	Nocticolidae					
	Lepidoptera	Tineidae sp1					
		Undetermined Lepidoptera					
	Psocoptera	Psocoptera					
	Hymenoptera	Formicidae sp1					
	Hymenoptera	Sp1					
Crustacea	Isopoda	Isopoda					

Phylum:Class	Order	Phase	3	3	3
		Taxa	KC002-	SS-Toilet-	SS-Toilet-
Chelicerata	Arachnida	Araneae sp1	T1	T1	T2
Arachnida	Pseudoscorpionida	Pseudoscorpion sp1	seFN327	seFN328	seFN329
	Acarina	Oribatidae sp 1 (SS)			
		Oribatidae sp. 2 (SS)			

		Oribatidae sp. 3 (SS)			
		Oribatidae sp. 4 (SS)			
		Acarina sp.1(SS)	seLN587	seLN590	
		Acarina sp. 2 (PD)	seLN587	seLN590	
		Acarina sp. 4 (PD)			
		Acarina sp. 11 (PD)			
		Mesostigmata sp. 1 (SS)	seLN587	seLN590	
		Mesostigmata sp. 2(SS)			
		Mesostigmata sp.3 (SS)			
		Mesostigmata sp. 7(PD)			
		Acarina sp. 9(PD)			
		Mesostigmata undetermined			
Collembola	Collembola	Entomobryidae(blind white)			
		Collembola Type I	seLN588		
		Collembola Isotomidae			
		Collembola (Sminthuridae)			
Insecta	Hemiptera	Hemipteran juvenile			
	Diptera	Dipteran larvae(as seLN230)			
		Muscidae larvae			
		Diptera sp1 (Terr. Culicidae?)			
		Diptera sp2 (Terr.)			
		Diptera sp3 (Terr.)			
		Diptera sp4 (Terr.)			
		Diptera sp5 (Terr.)			
		Diptera sp6 (Terr.)			
		Diptera muscidae sp1			
	Coleoptera	Pselaphidae			
		Carabidae sp 1			
		Coleoptera larvae			
		Carabidae larvae			
		undetermined coleoptera			
		Undetermined coleoptera sp2			
	Blattodea	Nocticolidae			
	Lepidoptera	Tineidae sp1			
		Undetermined Lepidoptera			
	Psocoptera	Psocoptera			
	Hymenoptera	Formicidae sp1			
	Hymenoptera	Sp1			
Crustacea	Isopoda	Isopoda			