



**APPENDIX B**  
**GRAB & TRANSECT**  
**FIELD PROTOCOLS**


## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S01_01	Video description: Sand, seastate light, light current. A lot of seastars - Asterias? One flatfish. Algae drifting by. One smaller crab. 2 x <i>Cancer pagurus</i> .	
Date: 20130823		
Time (UTC): 19:37		
XY: 573566/6375490		
Depth: 22 m		
Vessel: M/V Franklin		
Sampler: Day Grab		

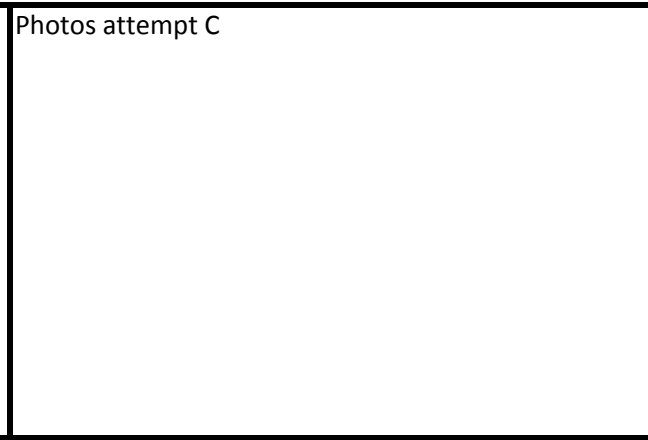
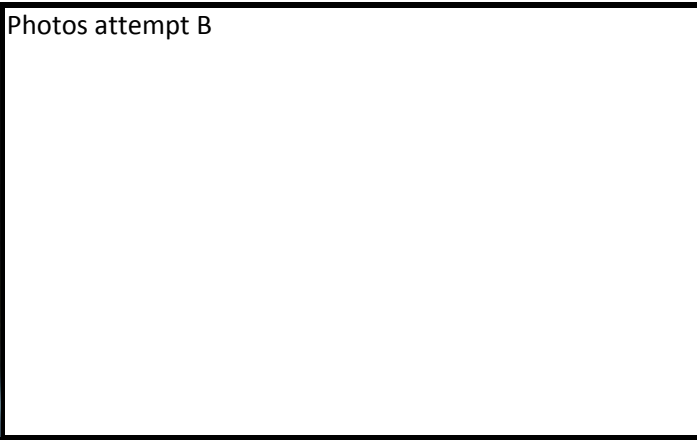
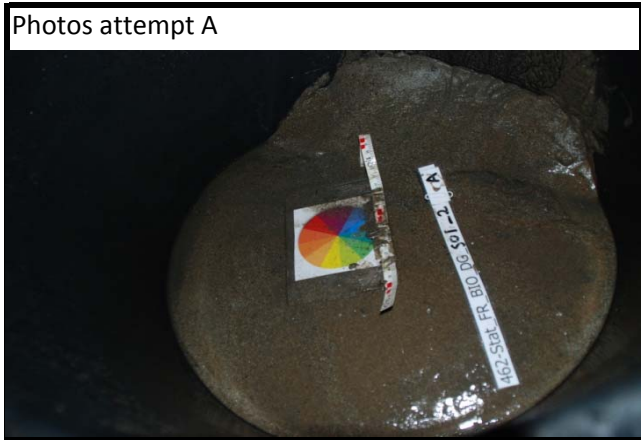
Sampled by:	AJ, MA	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour	
Attempt:	Grab comment:																		
A	Fine sand. Small sea urchins common. A couple of small bivalves in the sample.	6 L	1939, 1940			X				X				X			-	Brown	Brown
B																			
C																			

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S01_02	Video description is the same as for the main sample! (Video description: Sand, seastate light, light current. A lot of seastars - Asterias? One flatfish. Algae drifting by. One smaller crab. 2 x Cancer pagurus.)	
Date: 20130823		
Time (UTC): 19:37		
XY: 573566/6375490		
Depth: 22 m		
Vessel: M/V Franklin		
Sampler: Day Grab		

Sampled by:	AJ, MA	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Fine sand. Small sea urchins common. A couple of small bivalves in the sample.	6L	1941, 1942			X				X				X		-	Brown	Brown
B																		
C																		




### Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S01					
Date: 20130823					
Time (UTC): 19:37					
XY:	573566/6375490				
Depth:	22 m				
Vessel:	M/V Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil	2	Grab comment:	
		Metal	1		
		PSA	1		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

### Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S01		Comment (sample size, photo nr etc): Ok! Sample really small, with a lot of copepods and chaetognata in it. 20 min sampling time, very low current.
Date: 20130823		
Time (UTC) Start / End:		
Depth:	22 m	
XY Start:	573549.16/6375493.74	
XY End:	573645.13/6375526.77	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	

## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S02	Video description: Boulder field with stones - 75%- 100% coverage. Sediment on stones. <i>Echinus esculentus</i> is superabundant. <i>Flustra foliacea</i> and <i>Securiflustra securifrons</i> are common (locally abundant), as well as <i>Asterias rubens</i> . Occasional <i>Alcyonium digitatum</i> .	
Date: 20130823		
Time (UTC): 21:00		
XY: 573830.27/6375578.96		
Depth: 27 m - 29 m		
Vessel: M/V Franklin		
Sampler: Day Grab		

Sampled by:	Grab comment:	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
A	No grabs here due to boulder field.					X	X	X										
B																		
C																		

Photos attempt A	Photos attempt B	Photos attempt C
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S02	Video description is the same as for the main sample!	
Date:		
Time (UTC):		
XY: /		
Depth:		
Vessel: M/V Franklin		
Sampler: Day Grab		

Sampled by:		Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	No grabs here due to boulder field.																	
B																		
C																		

Photos attempt A	Photos attempt B	Photos attempt C
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## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S02					
Date:					
Time (UTC):					
XY:	/				
Depth:					
Vessel:	M/V Franklin				
Sampler:	Day grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			


## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S02		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	

## Seabed Sampling protocol - Main sample


Grab ID: 101462-Stat_FR_BIO_DG_S03_02	Video description: Sand, with small amounts of shell gravel. Current: Medium, seastate ok. Visibility is dropping.	
Date: 2013-08-23		
Time (UTC): 17:26		
XY: <span style="margin-left: 100px;">573950.76</span> <span style="margin-left: 100px;">6375765.99</span>		
Depth: <span style="margin-left: 100px;">31</span>		
Vessel: <span style="margin-left: 100px;">M/V Franklin</span>		
Sampler: <span style="margin-left: 100px;">Day Grab</span>		

Sampled by:	TS, JT, AJ	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour	
Attempt:	Grab comment:																		
A	Fine sand with some clay.	10.5L			X	X													
B																			
C																			


<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S03_01	Video description is the same as for the main sample!(Video description: Sand, with small amounts of shell gravel. Current: Medium, seastate ok. Visibility is dropping. )	
Date: 2013-08-23		
Time (UTC): 17:23		
XY:		
Depth: 31		
Vessel: M/V Franklin		
Sampler: Day Grab		

Sampled by:	TS, JT, AJ	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Fine sand with some clay. Verry little left in 1 mm sieve. This sample became the replicate sample	10.5L				X												
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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### Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S03				
Date: 2013-08-23				
Time (UTC): 17:29				
XY:	573953.09/6375763.07			
Depth:	31			
Vessel:	M/V Franklin			
Sampler:	Day Grab			
Attempt:	Chemical samples			
A	Chemical ID:	Oil	2	Grab comment:
		Metal	1	
		PSA	1	
B	Chemical ID:	Oil		Grab comment:
		Metal		
		PSA		
C	Chemical ID:	Oil		Grab comment:
		Metal		
		PSA		

### Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S03		Comment (sample size, photo nr etc): Small but sufficient sample size.
Date: 2013-08-23		
Time (UTC) Start / End: 18:06/18:21		
Depth:	30	
XY Start:	573953.09/6375763.07	
XY End:	573888.96/6375735.4	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	

## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S04_01	Video description: Stony area with gravel, stones and boulders - Boulder field, ca 80% coverage. Hydrozoans, bryozoans, <i>Echinus</i> sp. Is frequent, <i>Securiflustra securifrons</i> are occasional to common. Occasional <i>Alcyonium digitatum</i> . Hermit crabs and bigger crabs ( <i>Cancer pagurus</i> ). Cable appeared in the area. OBS A camera breakdown occurred during the first visit to the site. A second visit was done during the next day, due to data loss.	
Date: 20130823 and 20130824		
Time (UTC): 22:40 and 17:45		
XY: 574295/6375850		
Depth: 37 m		
Vessel: M/V Franklin		
Sampler: Day Grab		

Sampled by:	AJ, JT, TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour	
Attempt:	Grab comment:																		
A	No grab due to boulder field.						X	X	X										
B																			
C																			

Photos attempt A	Photos attempt B	Photos attempt C
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### Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S04	Video description is the same as for the main sample!	
Date:		
Time (UTC):		
XY:                         /		
Depth:		
Vessel:                     M/V Franklin		
Sampler:                   Day Grab		

Sampled by:		Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	No grab due to boulder field.																	
B																		
C																		

Photos attempt A	Photos attempt B	Photos attempt C
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## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S04					
Date:					
Time (UTC):					
XY:	/				
Depth:					
Vessel:	M/V Franklin				
Sampler:	Day grab				
Attempt:	Chemical samples				
A	Chemical ID: No grab due to boulder field	Oil		Grab comment:	
		Metal			
		PSA			
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S04		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	

## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S05_01	Video description: Frequent boulders on sand with small shell fragments. Probably coarser material beneath the sand. Verry strong current, dragging sand and seaweed over the bottom. <i>Alcyonium digitatum</i> and <i>Flustra foliacea</i> common, as well as <i>Cancer pagurus</i> and <i>Urticina</i> sp.		
Date: 20130824			
Time (UTC): 06:35			
XY: 575647.63/6376687.64			
Depth: 47			
Vessel: M/V Franklin			
Sampler: Day Grab			

Sampled by:	TS/JT	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	No grab due to frequent boulders and coarse sediment.					X	X	X										
B																		
C																		

Photos attempt A	Photos attempt B	Photos attempt C
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S05	Video description is the same as for the main sample!		
Date:			
Time (UTC):			
XY:		/	
Depth:			
Vessel:		M/V Franklin	
Sampler:		Day Grab	

Sampled by:		Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	No grab due to frequent boulders and coarse sediment.																	
B																		
C																		

Photos attempt A	Photos attempt B	Photos attempt C
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## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S05					
Date:					
Time (UTC):					
XY:	/				
Depth:					
Vessel:	M/V Franklin				
Sampler:	Day grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S05		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	



## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S06	
Date: 20130824	
Time (UTC): 08:00	
XY:	577210.09/6376919.16
Depth:	52 m
Vessel:	M/V Franklin
Sampler:	Day Grab

Video description: Interesting feature in the bathymetric data - Small raised area on the seafloor. It is an area with many large boulders and old fishing gear. Lobsters, brown crabs and fields och *Flustra foliacea*.



Sampled by:	JT/TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour	
Attempt:	Grab comment:																		
A	No grab due to boulder field.					X	X	X											
B																			
C																			

Photos attempt A	Photos attempt B	Photos attempt C
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S06	Video description is the same as for the main sample!				
Date:					
Time (UTC):					
XY:					/
Depth:					
Vessel: M/V Franklin					
Sampler: Day Grab					

Sampled by:		Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	No grab due to boulder field.																	
B																		
C																		

Photos attempt A	Photos attempt B	Photos attempt C
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## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S06					
Date:					
Time (UTC):					
XY:	/				
Depth:					
Vessel:	M/V Franklin				
Sampler:	Day grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

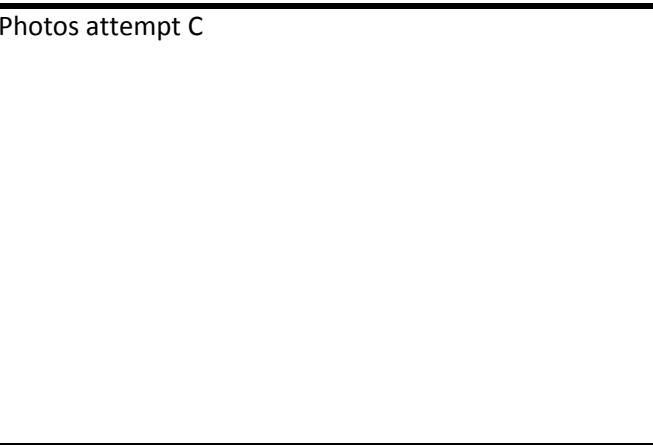
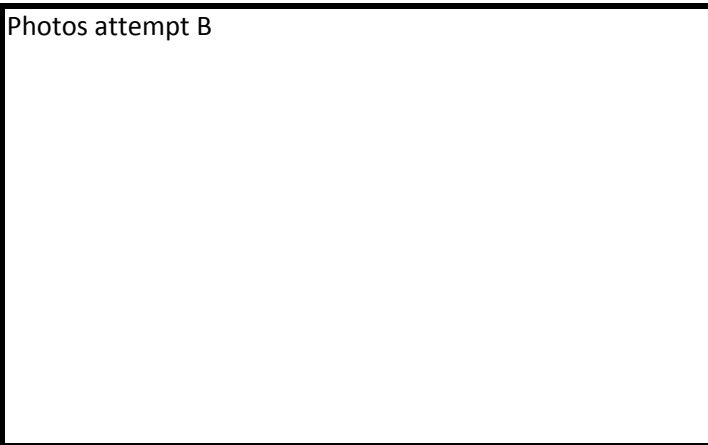
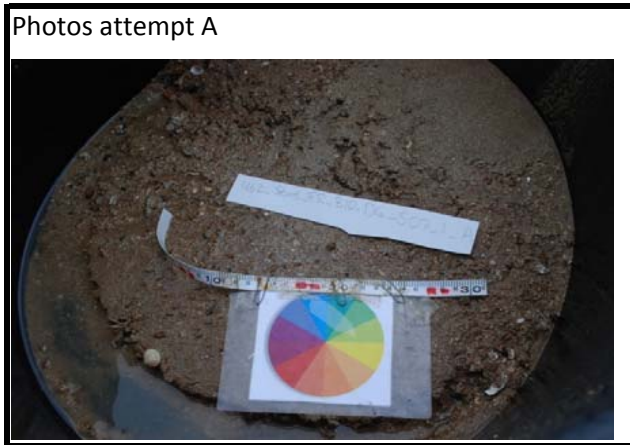
## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	


## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S07_01	Video description: Shellgravel with pebbles and maybe clay? Starfish and flatfish.	
Date: 20130824		
Time (UTC): 11:26		
XY: 579955/6375436		
Depth: 63 m		
Vessel: M/V Franklin		
Sampler: Day Grab		

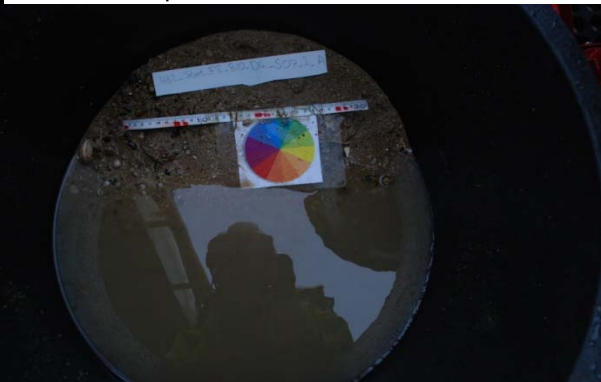
Sampled by:	AJ, JT	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Small pebbles, shellgravel, sand, gravel. Unsorted. No clay/silt. Some larger shell fragments.	6L	1943, 1944		X	X	X			X					X	-	Brown	Brown
B																		
C																		



## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S07_02	Video description is the same as for the main sample! (Video description: Shellgravel with pebbles and maybe clay? Starfish and flatfish. )	
Date: 20130824		
Time (UTC): 11:26		
XY: 579955/6375436		
Depth: 63 m		
Vessel: M/V Franklin		
Sampler: Day Grab		

Sampled by:	AJ, JT	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Small pebbles, shellgravel, sand, gravel. Unsorted. No clay/silt. Some larger shell fragments.	5L	1945, 1946		X	X	X			X					X	-	Brown	Brown
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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## Chemical Sampling

Grab ID: 101462-Stat_FR_BIO_DG_S07					
Date: 20130824					
Time (UTC): 11:26					
XY:	579955/6375436				
Depth:	63 m				
Vessel:	M/V Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil	2	Grab comment:	
		Metal	1		
		PSA	1		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S07		Comment (sample size, photo nr etc):
Date: 20130824		
Time (UTC) Start / End: 12:44-12:59		
Depth:	64 m	
XY Start:	579956.55/6375423.84	
XY End:	579951.06/6375639.05	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	

## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S08_01	Video description: Bedrock. <i>A. digitatum</i> , <i>A. rubens</i> , <i>Munida</i> sp, <i>Crossaster papposus</i> , <i>Flustra foliacea</i> , <i>C. Pagurus</i> , <i>P. Bernhardus</i> , <i>Luidia ciliaris</i> . Medium to high bedrock reef? Cobbles and boulders surrounding the bedrock, on a sandy gravelly seabed.	
Date: 2013-08-30		
Time (UTC): 22:55		
XY: 580865.28/6375414.96		
Depth: 65 m		
Vessel: M/V Franklin		
Sampler: Day Grab		

Sampled by:	AJ	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour	
Attempt:	Grab comment:																		
A	No grab. Bedrock!																		
B																			
C																			

Photos attempt A	Photos attempt B	Photos attempt C
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S08	Video description is the same as for the main sample!	
Date:		
Time (UTC):		
XY: /		
Depth:		
Vessel: M/V Franklin		
Sampler: Day Grab		

Sampled by:		Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A																		
B																		
C																		

Photos attempt A	Photos attempt B	Photos attempt C
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## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S08					
Date:					
Time (UTC):					
XY:	/				
Depth:					
Vessel:	M/V Franklin				
Sampler:	Day grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			


## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S08		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	


## Seabed Sampling protocol - Main sample

<b>Grab ID:</b> 101462-Stat_FR_BIO_DG_S09_01	Video description: School of herring on the way down to site. Sand with shell gravel in ripples. No visible epifauna. One paguridae. Big shells in the ripple valleys (Horse mussel <i>Modiolus modiolus</i> ).	
<b>Date:</b> 2013-08-31		
<b>Time (UTC):</b> 00:10		
<b>XY:</b> 582867/6374382		
<b>Depth:</b> 72 m		
<b>Vessel:</b> M/V Franklin		
<b>Sampler:</b> Day Grab		


Sampled by:	AJ	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour	
Attempt:	Grab comment:																		
A	<i>Ammodytes marinus</i> in grab. Fine shellgravel with gravel.	9.5L				x	x			x						x	-	Yellowish brown	Yellowish brown
B																			
C																			

Photos attempt A 	Photos attempt B	Photos attempt C
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S09_02	Video description is the same as for the main sample!	
Date: 2013-08-31		
Time (UTC): 00:10		
XY: 582867/6374382		
Depth: 72 m		
Vessel: M/V Franklin		
Sampler: Day Grab		

Sampled by:	AJ	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Shellgravel. A few stones	14.5				x	x			x					x	-	Yellowish brown	Yellowish brown
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S09					
Date: 2013-08-31					
Time (UTC): 00:10					
XY:	582867/6374382				
Depth:	72 m				
Vessel:	M/V Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil	x	Grab comment:	
		Metal	x		
		PSA	x		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

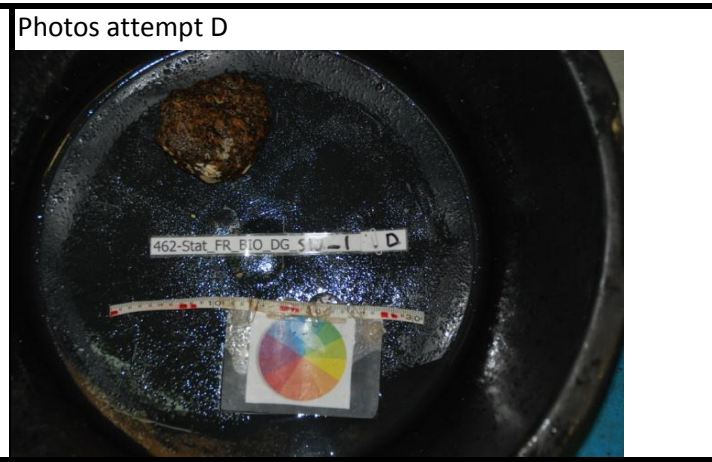
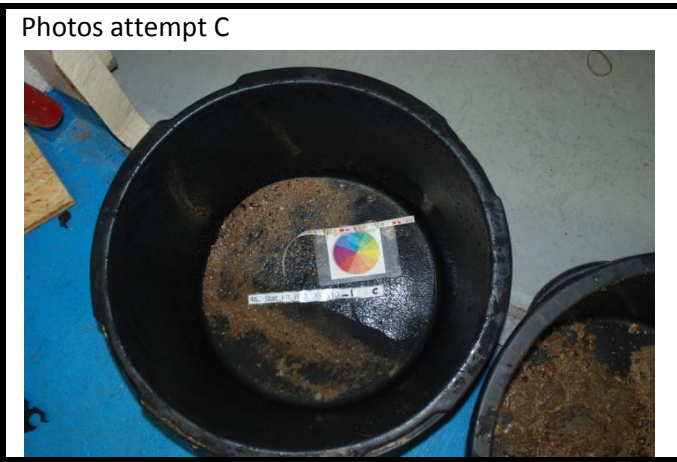
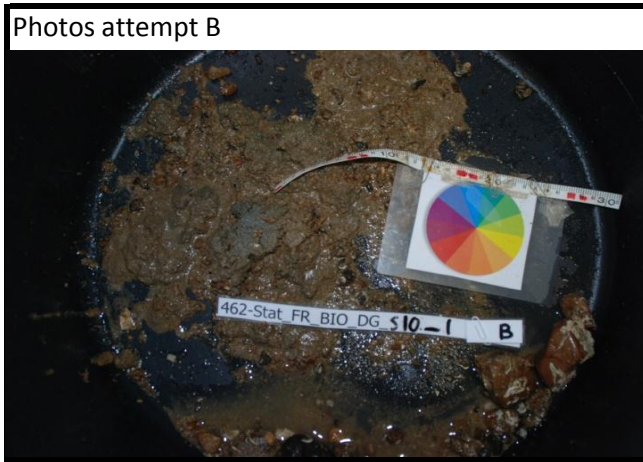
## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S		Comment (sample size, photo nr etc): NO
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	

## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S10_01	Video description: Sandy shellgravel with occasional cobbles. Rare <i>A. digitatum</i> and <i>Flustra foliacea</i> . Flat seafloor, no ripples.	
Date: 2013-08-31		
Time (UTC): 02:00		
XY: 585049/6373910		
Depth: 75 m		
Vessel: M/V Franklin		
Sampler: Day Grab		

Sampled by:	AJ	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Stone in opening, no sample in grab.	-					x											
B	Silty sandy shellgravel with pebbles. Kept for analysis.	1L			x	x	x			x					x	-	Brown	Brown
C	Stone in opening, no sample in grab.	-					x											
D	One stone.	-					x											



## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S10_02	Video description is the same as for the main sample!	
Date:		
Time (UTC):		
XY:		/
Depth:		
Vessel:		M/V Franklin
Sampler:		Day Grab

Sampled by:		Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	No sample was accepted during the first four grab attempts due to cobbles in the sediment. No grab was of accepted volume. Decision was made that the chance to retrieve an accepted volume was null, thus the grab sampling was aborted.																	
B	No sample was accepted during the first four grab attempts due to cobbles in the sediment. No grab was of accepted volume. Decision was made that the chance to retrieve an accepted volume was null, thus the grab sampling was aborted.																	
C																		

Photos attempt A	Photos attempt B	Photos attempt C
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## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S10				
Date:				
Time (UTC):				
XY:	/			
Depth:				
Vessel:	M/V Franklin			
Sampler:	Day grab			
Attempt:	Chemical samples			
A	Chemical ID:	Oil	-	Grab comment: No attempt was made
		Metal	-	
		PSA	-	
B	Chemical ID:	Oil		Grab comment:
		Metal		
		PSA		
C	Chemical ID:	Oil		Grab comment:
		Metal		
		PSA		

## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S10		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	

## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S11_01	Video description: Gravel, unsorted, with sand, silt and shellgravel. <i>Crossaster papposus</i> . Sparse fauna. <i>Luidia ciliaris</i> , <i>flustra foliacea</i> and <i>Solea solea</i> (?).	
Date: 2013-08-31		
Time (UTC): 04:03		
XY: 590107/6373499		
Depth: 78 m		
Vessel: M/V Franklin		
Sampler: Day Grab		

Sampled by:	TS, JT	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Sand, gravel, cobbles, shell fragments. New attempt.	1-2L	1960			x	x								x			
B	Sand, gravel, cobbles, shell fragments. New attempt.	0.5L	1961			x	x								x			
C	Sand, gravel, cobbles, shell fragments. New attempt.	0.5L	1962			x	x								x			
D	Sand and gravel, shellfragments. Accepted volume.	10	1963-1964			x	x								x			

Photos attempt A

Photos attempt B


Photos attempt C

Photos attempt D

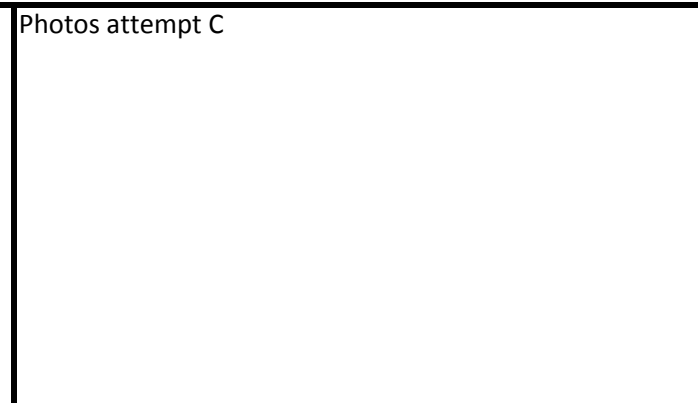
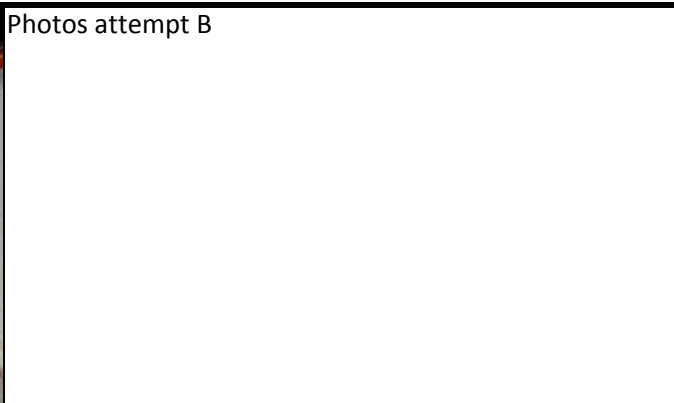




## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S11_02	Video description is the same as for the main sample!	
Date: 2013-08-31		
Time (UTC): 05:02		
XY: 590107/6373499		
Depth: 78 m		
Vessel: M/V Franklin		
Sampler: Day Grab		

Sampled by:	JT, TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Sand with shell fragments	5L	1965			x									x			
B																		
C																		



### Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S11					
Date: 2013-08-31					
Time (UTC): 05:02					
XY:	590107/6373499				
Depth:	78 m				
Vessel:	M/V Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil	x	Grab comment:	
		Metal	x		
		PSA	x		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

### Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S11		Comment (sample size, photo nr etc):
Date: 2013-08-31		
Time (UTC) Start / End: 12:11:32/12:27:01		
Depth:	78	
XY Start:	590121.29/6373496.97	
XY End:	590293.97/6373675.20	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	

## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S12	
Date: 2013-08-30	
Time (UTC): 20:10	
XY:	593929.9/6373258.5
Depth:	89 m
Vessel:	M/V Franklin
Sampler:	Day Grab

Video description: Fine silty sand with frequent cobbles and boulders. Hydroids on stones. Probably more stones beneath the sediment surface. *Urticina sp.* And maybe *Flustra foliacea* on the stones. *Nemertesia sp.?* Small shellfragments in the sand. Occasional flat fish.



Sampled by:	AJ	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	No grab due to cobbles and boulders on the sampling site.					x	x	x										
B																		
C																		

Photos attempt A	Photos attempt B	Photos attempt C
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S12	Video description is the same as for the main sample!	
Date:		
Time (UTC):		
XY: /		
Depth:		
Vessel: M/V Franklin		
Sampler: Day Grab		

Sampled by:		Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A																		
B																		
C																		

Photos attempt A	Photos attempt B	Photos attempt C
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## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S12					
Date:					
Time (UTC):					
XY:	/				
Depth:					
Vessel:	M/V Franklin				
Sampler:	Day grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			


## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	


## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S13_01	Video description: Sand, ripples, small shell fragments. Sparse fauna.	
Date: 2013-08-13		
Time (UTC): 05:54		
XY: 596590/6372810		
Depth: 104 m		
Vessel: M/V Franklin		
Sampler: Day Grab		

Sampled by:	TS, JT	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Sand, clay, small shell fragments, some gravel.	11.5L	1966, 1967	x	x	x	x											
B																		
C																		

Photos attempt A 	Photos attempt B 	Photos attempt C 
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S13_02	Video description is the same as for the main sample!	
Date: 2013-08-13		
Time (UTC): 07:21		
XY: 596590/6372810		
Depth: 104 m		
Vessel: M/V Franklin		
Sampler: Day Grab		

Sampled by:	JT, TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	0.5 L, too low volume, new attempt	0.5	1968, 1969															
B	Shellfragments, silty sand	12L	1970, 1971		x	x								x		-		
C																		



## Chemical Sampling


Grab ID: 101462-Stat_FR_CHE_DG_S13					
Date: 2013-08-13					
Time (UTC): 07:30					
XY:	596590/6372810				
Depth:	104 m				
Vessel:	M/V Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil	x	Grab comment:	
		Metal	x		
		PSA	x		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

## Bedload sampling


Sample ID: 101462-Stat_FR_BLD_HS_S		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	




## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S14_01	Video description: Fine silty sand, occasional cobbles/boulders. <i>Luidia ciliaris</i> .	
Date: 2013-08-31		
Time (UTC): 11:10		
XY: 597183/637118		
Depth: 105 m		
Vessel: Franklin		
Sampler: Day Grab		

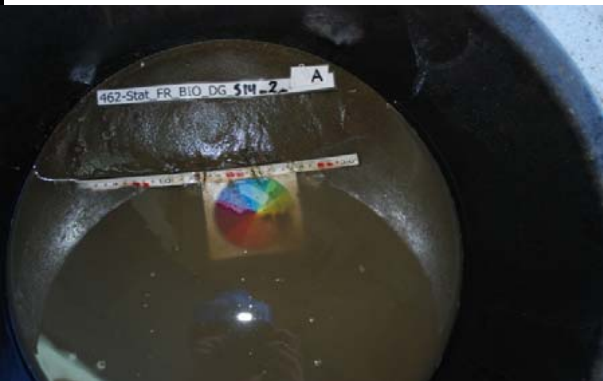
Sampled by:	AJ, JT	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Fine silty sand, some small shell fragments.	12L			x	x				x				x		-	Greyish brown	Greyish brown
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S14_02	Video description is the same as for the main sample!	
Date: 2013-08-31		
Time (UTC): 11:20		
XY: 597183/637118		
Depth: 105 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	AJ, JT	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Fine silty sand, some small shell fragments.				x	x				x				x			Greyish brown	Greyish brown
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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### Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S14					
Date: 2013-08-31					
Time (UTC): 11:30					
XY:	597183/637118				
Depth:	105 m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal	x		
		PSA	x		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			


### Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	


## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S15_01	Video description: Fine silty sand with ripples. Urticina? Ophiura sp., Scarce epifauna.	
Date: 2013-08-31		
Time (UTC): 13:40		
XY: 599154/6368498		
Depth: 118 m		
Vessel: Franklin		
Sampler: Day Grab		


Sampled by:	AJ, JT	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Fine sandy silt, well sorted.	10.5			x	x				x				x		-	Greyish brown	Greyish brown
B																		
C																		

Photos attempt A 	Photos attempt B	Photos attempt C
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S15_02	Video description is the same as for the main sample!	
Date: 2013-08-31		
Time (UTC): 13:50		
XY: 599154/6368498		
Depth: 118 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	AJ, JT	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Fine sandy silt, well sorted.	7.0			x	x				x				x		-	Greyish bro	Greyish bro
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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## Chemical Sampling

Grab ID: 101462-Stat_FR_BIO_DG_S15				
Date: 2013-08-31				
Time (UTC): 14:05				
XY:	599154/6368498			
Depth:	118 m			
Vessel:	Franklin			
Sampler:	Day Grab			
Attempt:	Chemical samples			
A	Chemical ID:	Oil		Grab comment:
		Metal	1	
		PSA	1	
B	Chemical ID:	Oil		Grab comment:
		Metal		
		PSA		
C	Chemical ID:	Oil		Grab comment:
		Metal		
		PSA		


## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S15		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	


## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S16_01	Video description: Silty sand, small ripples, some small shell fragments. Few boulders covered by sabellaria.	
Date: 2013-08-31		
Time (UTC): 14:37		
XY: 600193/6368709		
Depth: 120 m		
Vessel: Franklin		
Sampler: Day Grab		


Sampled by:	TS, JT	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A		10.5																
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S16_02	Video description is the same as for the main sample!	
Date: 2013-08-31		
Time (UTC): 15:21		
XY: 600193/6368709		
Depth: 120 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	Grab comment:	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:																		
A		10.5																
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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### Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S16					
Date: 2013-08-31					
Time (UTC): 15:25					
XY:	600193/6368709				
Depth:	120 m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

### Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S16		Comment (sample size, photo nr etc):
Date: 2013-08-31		
Time (UTC) Start / End: 15:49:47/16:10:04		
Depth:	120 m	
XY Start:	600193.65/6368708.92	
XY End:	600028.63/6368866.50	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	


## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S17_01	Video description: <i>Sabellaria</i> on stones. Silty sand, cobbles and stones.	
Date: 3013-08-31		
Time (UTC): 16:56:00		
XY: 600973.45/6369687.37		
Depth: 118 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	TS, MA	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	No grab due to <i>sabellaria</i> and rocks	-																
B																		
C																		

Photos attempt A	Photos attempt B	Photos attempt C
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S17_02	Video description is the same as for the main sample!	
Date:		
Time (UTC):		
XY: /		
Depth: m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:		Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	No grab due to <i>sabellaria</i> and rocks																	
B																		
C																		

Photos attempt A	Photos attempt B	Photos attempt C
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## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S17					
Date:					
Time (UTC):					
XY:	/				
Depth:	m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S17		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	

## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S18_01	Video description: Sandy silt. Small aggregations of <i>Sabellaria</i> . Few hydroids. Macropodia? <i>Urticina/Bolocera</i> .	
Date: 2013-08-31		
Time (UTC): 21:30		
XY: 601786/6367964		
Depth: 120 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	AJ	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Fine silty sand with shell fragments and whole shells	8			x	x				x				x		-	Grey	Grey
B																		
C																		

Photos attempt A




Photos attempt B



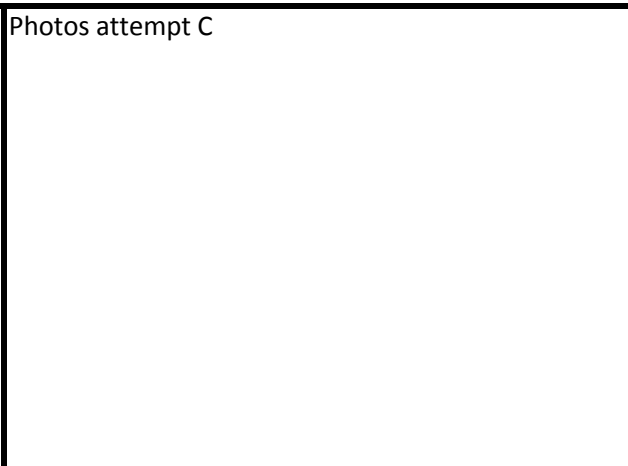
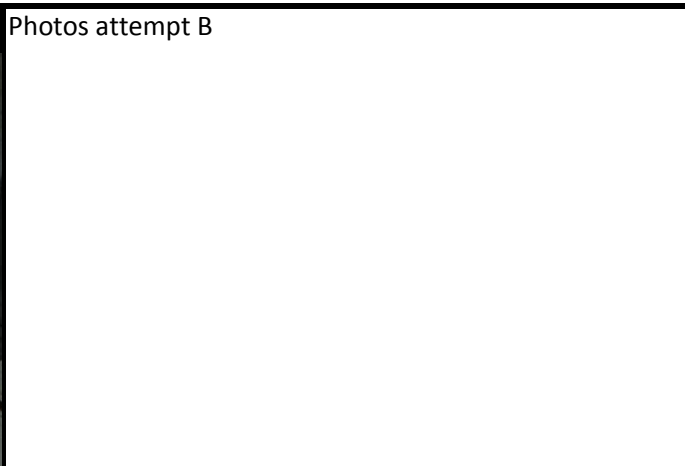
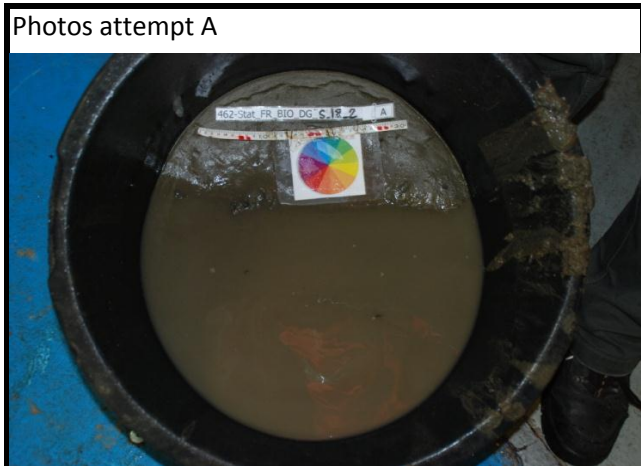
Photos attempt C



## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S18_02	Video description is the same as for the main sample!	
Date: 2013-08-31		
Time (UTC): 21:55		
XY: 601786/6367964		
Depth: 120 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	AJ	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Fine silty sand with shell fragments and whole shells	7			x	x				x				x		-	Grey	Grey
B																		
C																		




## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S18					
Date: 2013-08-31					
Time (UTC): 22:00					
XY:	601786/6367964				
Depth:	120 m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal	x		
		PSA	x		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S18		Comment (sample size, photo nr etc):
Date: 2013-08-31		
Time (UTC) Start / End: 22:20/22:44		
Depth:	120	
XY Start:	601787.17/6367965.20	
XY End:	602230.54/6367853.76	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	

## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S19_01	Video description:	
Date: 2013-09-01		
Time (UTC): 03:36		
XY: 603779.61/6365166.85		
Depth: 107 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	JT, TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	No grab due to boulders and sabellaria!																	
B																		
C																		

Photos attempt A	Photos attempt B	Photos attempt C
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S19_02	Video description is the same as for the main sample!		
Date: 2013-09-01			
Time (UTC):			
XY: /			
Depth: m			
Vessel: Franklin			
Sampler: Day Grab			

Sampled by:	JT, TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	No grab due to boulders and sabellaria!																	
B																		
C																		

Photos attempt A	Photos attempt B	Photos attempt C
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## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S					
Date:					
Time (UTC):					
XY:	/				
Depth:	m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

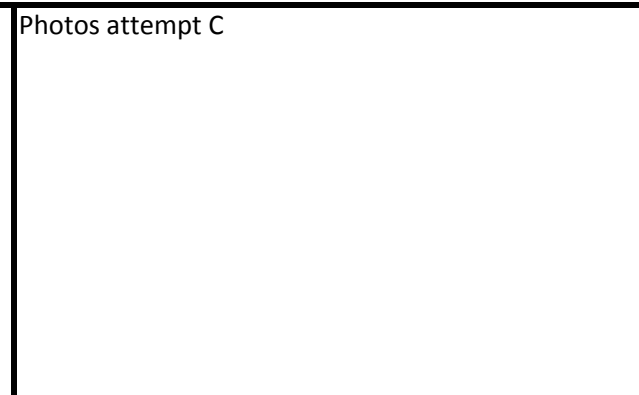
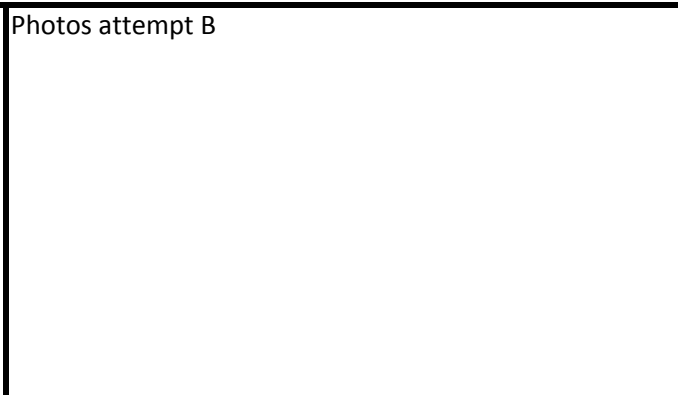
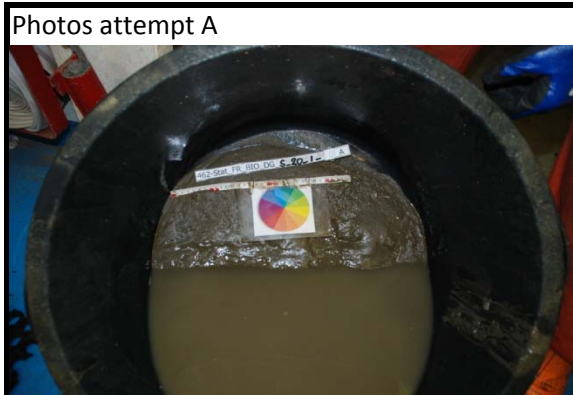
## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S19		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	


## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S20_01	Video description: Sandy silt, <i>Sabellaria</i> lumps. Same habitat as S26 (previous site).	
Date: 2013-09-01		
Time (UTC): 02:30		
XY: 604569/6365196		
Depth: 100 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	TS, JT	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour	
Attempt:	Grab comment:																		
A	Shell fragments, som bigg shell fragments	9			x	x	x									x	-		
B																			
C																			



## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S20_02	Video description is the same as for the main sample!	
Date: 2013-09-01		
Time (UTC): 02:50		
XY: 604569/6365196		
Depth: 100 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	TS, JT	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Not accepted sample volume. Sandy silt and shell fragments and stones.	1			x	x	x			x					x			
B	Same as previous description. Accepted volume.	12			x	x	x			x					x			
C																		

Photos attempt A



Photos attempt B



Photos attempt C




## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S20					
Date: 2013-09-01					
Time (UTC): 03:00					
XY:	604569/6365196				
Depth:	100 m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment: Only enough sample volume for PSA	
		Metal			
		PSA	x		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			


## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	


## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S21_01	Video description: Silty sand, small shell fragments. Small ripples. Lumps of <i>Sabellaria</i> present.	
Date: 2013-09-01		
Time (UTC): 05:33		
XY: 603953.36/6364415.2		
Depth: 107 m		
Vessel: Franklin		
Sampler: Day Grab		

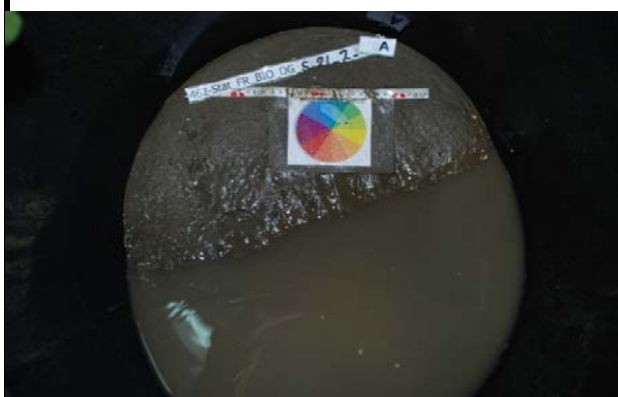
Sampled by:	JT, TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Sandy silt with shell fragments.	12			x	x	x											
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S21_02	Video description is the same as for the main sample!	
Date: 2013-09-01		
Time (UTC): 05:33		
XY: 603953.36/6364415.2		
Depth: 107 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:		Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Sandy silt with shell fragments.	12			x	x	x											
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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### Chemical Sampling

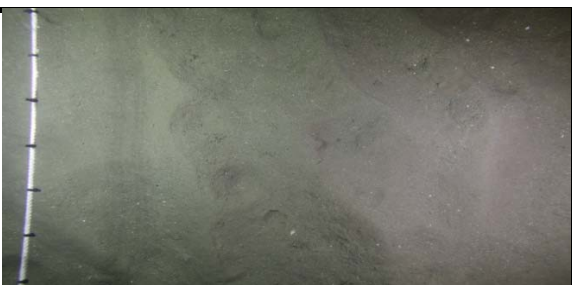
Grab ID: 101462-Stat_FR_CHE_DG_S21					
Date: 2013-09-01					
Time (UTC): 05:33					
XY:	603953.36/6364415.2				
Depth:	107 m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal	x		
		PSA	x		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

### Bedload sampling


Sample ID: 101462-Stat_FR_BLD_HS_S		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	



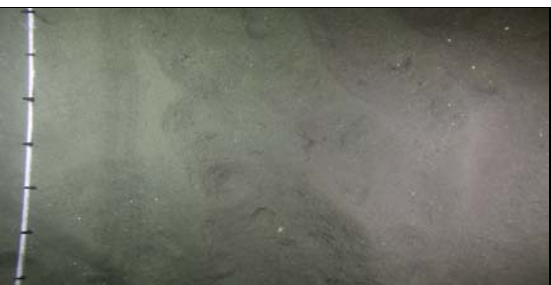
## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S22_1	Video description: Soft silty muddy (?) sand. Rare cobbles on bottom. Small shell fragments.	
Date: 2013-08-31		
Time (UTC): 19:30		
XY: 602262/6368161		
Depth: 121 m		
Vessel: Franklin		
Sampler: Day Grab		

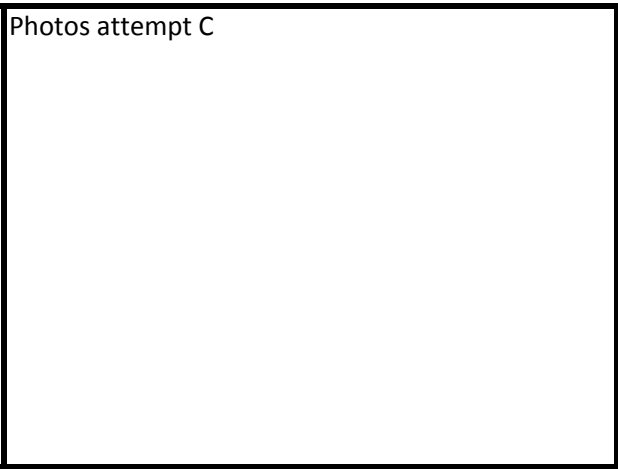
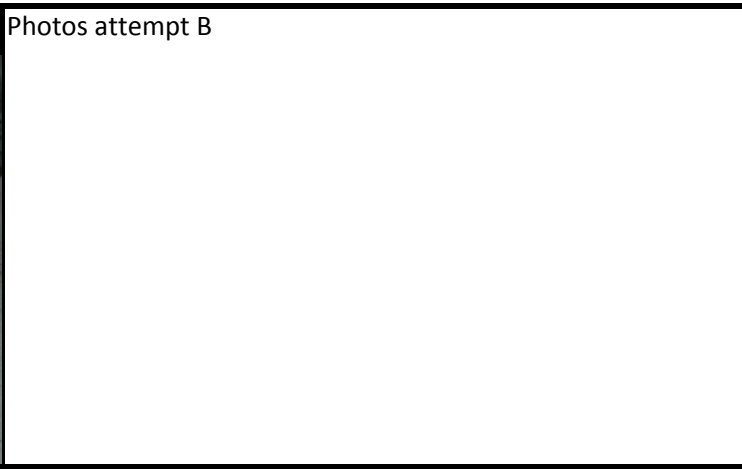
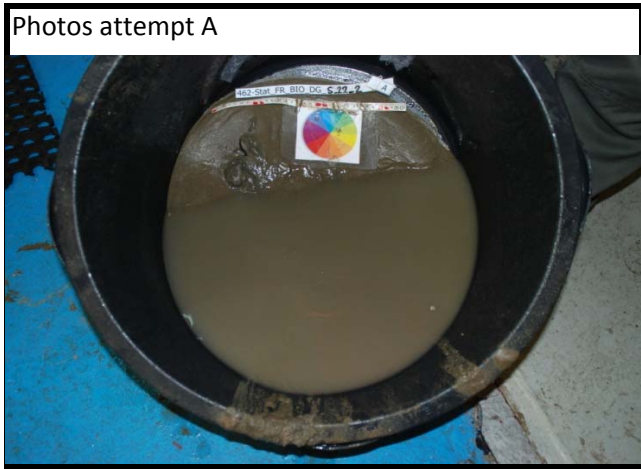
Sampled by:	AJ, MA	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Sandy silt	13	2003, 2002		x	x				x					x	-	Brownish grey	Brownish grey
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S22_2	Video description is the same as for the main sample!	
Date: 2013-08-31		
Time (UTC): 20:00		
XY: 602262/6368161		
Depth: 121 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	AJ, MA	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Sandy silt	8			x	x				x					x	-	Brownish grey	Brownish grey
B																		
C																		




## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S22					
Date: 2013-08-31					
Time (UTC): 20:10					
XY:	602262/6368161				
Depth:	121 m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal	x		
		PSA	x		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S22		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	

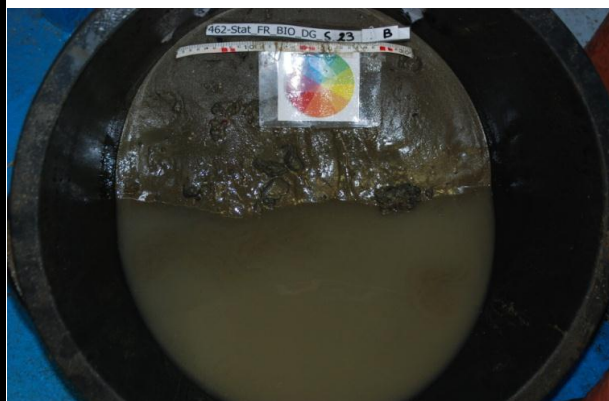
## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S23_01	Video description: Silty sand, small stones scattered in the area	
Date: 2013-08-31		
Time (UTC): 18:12		
XY: 602735.45/6368646.28		
Depth: 118 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	JT, TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour	
Attempt:	Grab comment:																		
A	Stone stuck in DG. Retry																		
B	Ok, sandy silt with sabellaria tubes.	9			x	x				x					x	-	Brown	Brown	
C																			


Photos attempt A

Photos attempt B



Photos attempt C

## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S23_02	Video description is the same as for the main sample!	
Date: 2013-08-31		
Time (UTC): 19:40		
XY: 602735.45/6368646.28		
Depth: 118 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	JT, TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Too small volume	4																
B	Ok. Silty sand.	12			x	x				x					x	-		
C																		




## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S23					
Date: 2013-08-31					
Time (UTC): 19:55					
XY:	602735.45/6368646.28				
Depth:	118 m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal	x		
		PSA	x		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			


## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	


## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S24_01	Video description: Sandy silt. Lumps of <i>Sabellaria</i> . <i>Krill</i> . Hydroids on <i>sabellaria</i> . <i>Maja</i> sp. Sediment on the <i>sabellaria</i> -agregations.	
Date: 2013-08-31		
Time (UTC): 23:16		
XY: 603675/6367476		
Depth: 115 m		
Vessel: Franklin		
Sampler: Day Grab		

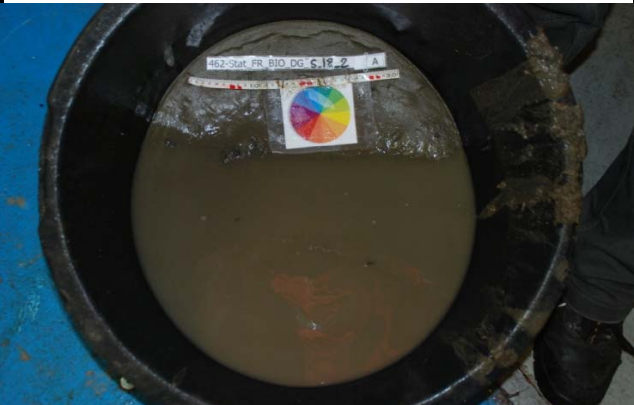
Sampled by:	AJ, MA	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Silty sand with shell fragments.	11			x	x				x					x	-	Grey	Grey
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S24_02	Video description is the same as for the main sample!	
Date: 2013-08-31		
Time (UTC): 23:44		
XY: 603675/6367476		
Depth: 115 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	AJ, MA	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Same as the first grab. Also <i>sabellaria</i> lumps (not much alive?)				x	x				x						-	Grey	Grey
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S24					
Date: 2013-08-31					
Time (UTC): 23:47					
XY:	603675/6367476				
Depth:	115 m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal	x		
		PSA	x		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S24		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	

## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S25_01	Video description: Sandy silt with shell fragments, ripples, <i>Sabellaria</i> lumps (rare). Rare cobbles and boulders. <i>Urticina</i> sp.	
Date: 2013-09-01		
Time (UTC): 00:18		
XY: 609931/6366315		
Depth: 101 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	AJ, MA	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Not accepted volume. Sand with a few pebbles, some silt. A few small shell fragments	2			x	x	x								x		Brown	Brown
B	Not accepted volume. Sand with a few pebbles, some silt. Small shell fragments. Stones with sabellaria on them.	0.5			x	x	x								x		Brown	Brown
C	Not accepted volume. Same descr. As above. Kept for analyse	3.5			x	x	x	x							x		Brown	Brown
D	Not accepted volume. Same descr. As above	3			x	x	x								x		Brown	Brown

Photos attempt A



Photos attempt B



Photos attempt C



Photos attempt D



## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S25	Video description is the same as for the main sample!			
Date:				
Time (UTC):				
XY:		/		
Depth:		m		
Vessel:		Franklin		
Sampler:	Day Grab			

Sampled by:		Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	No sample was accepted during the first four grab attempts due to coarse substrate. No grab was of accepted volume. Decision was made that the chance to retrieve an accepted volume was null, thus the grab sampling was aborted.																	
B																		
C																		

Photos attempt A	Photos attempt B	Photos attempt C
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## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S25					
Date:					
Time (UTC):					
XY:	/				
Depth:	m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil	-	Grab comment:	
		Metal	-		
		PSA	-		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S25		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	

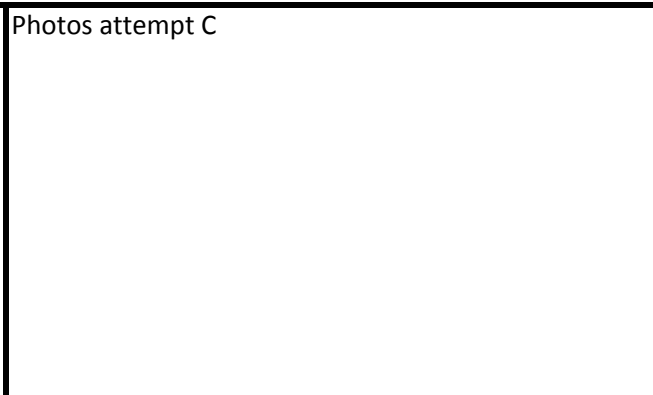
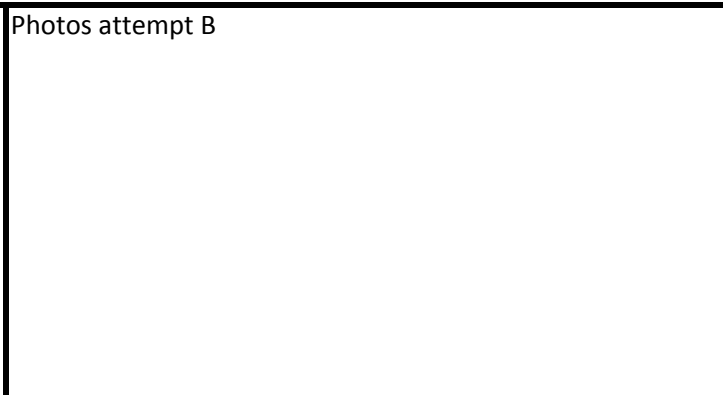
## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S26_01	
Date: 2013-09-01	
Time (UTC): 01:22	
XY:	605195/6365454
Depth:	101 m
Vessel:	Franklin
Sampler:	Day Grab


Video description: Sandy silt. *Sabellaria* burried, some is visible above sediment surface. *Luidia sarsi*? Shellfragments and ripples.



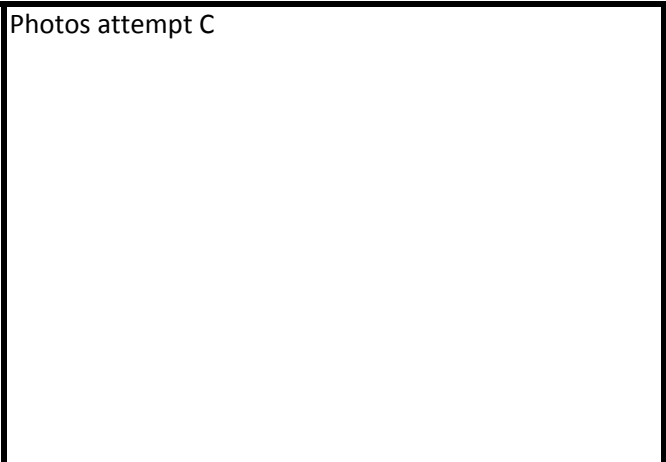
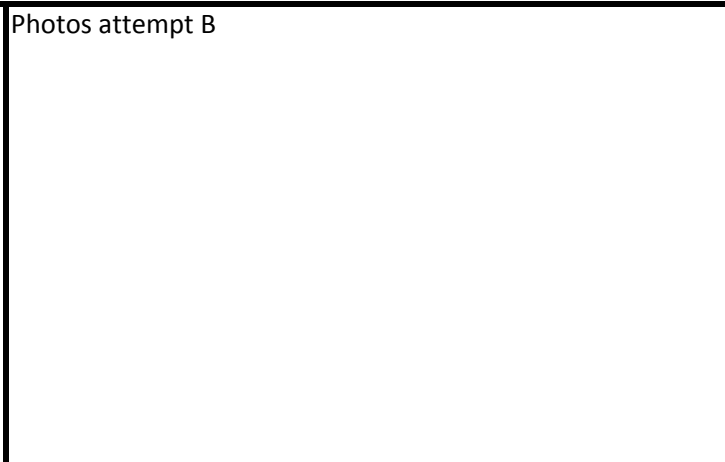
Sampled by:	AJ, MA	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Silty sandy shellgravel	14.5			x	x	x			x					x	-	Grey	Grey
B																		
C																		



## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S26_02	Video description is the same as for the main sample!	
Date: 2013-09-01		
Time (UTC): 01:30		
XY: 605195/6365454		
Depth: 101 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	AJ, MA	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour	
Attempt:	Grab comment:																		
A	silty sand with less shellgravel	12			x	x				x						x	-		
B																			
C																			




### Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S26					
Date: 2013-09-01					
Time (UTC): 01:40					
XY:	605195/6365454				
Depth:	101 m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal	x		
		PSA	x		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			


### Bedload sampling

Sample ID:101462-Stat_FR_BLD_HS_S26		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	

## Seabed Sampling protocol - Main sample


Grab ID: 101462-Stat_FR_BIO_DG_S27_01	Video description: Sand, clay and small shell fragments. <i>Alcyonium digitatum</i> , occasional cobbles. <i>Sabellaria spinulosa</i> ? Quite a lot of silt in the sediment. No gravel.	
Date: 2013-08-31		
Time (UTC): 08:21		
XY: 597623/6374182		
Depth: 106 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	JT, TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Sand, silt, clay and shell fragments.	6L	1972,1973	x	x	x	x											
B																		
C																		

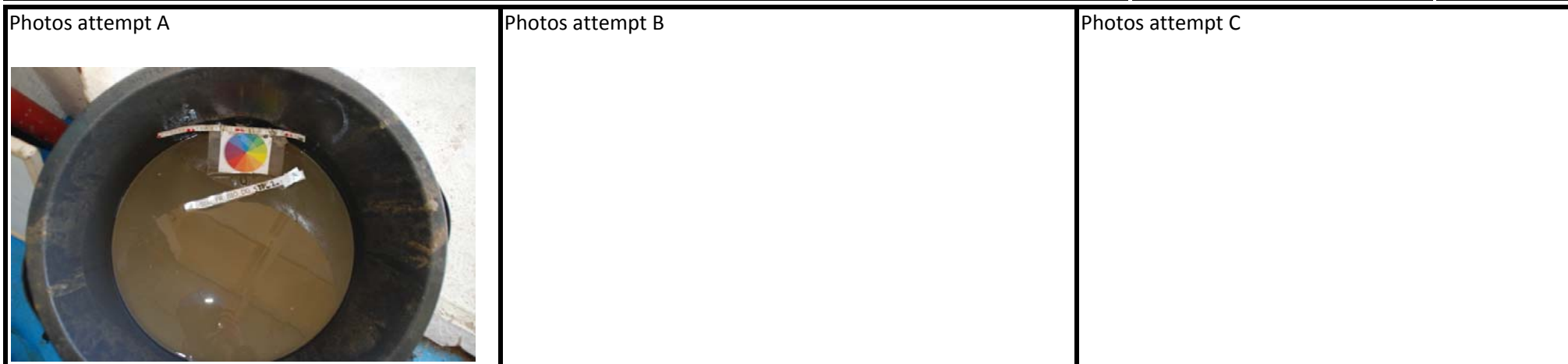
<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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## Seabed Sampling protocol - Replicate sample

Grab ID:101462-Stat_FR_BIO_DG_S27_02	Video description is the same as for the main sample!	
Date: 2013-08-31		
Time (UTC): 08:21		
XY: 597623/6374182		
Depth: 106 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	Grab comment:	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:																		
A	Clay, silt, sand and small shell fragments	8L	1974, 1975	x	x	x												
B																		
C																		




## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S27					
Date: 2013-08-31					
Time (UTC): 08:21					
XY:	597623/6374182				
Depth:	106 m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal	x		
		PSA	x		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			


## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S27		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	

## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S28_1	Video description: Sand, a lot of small shrimps.	
Date: 2013-08-31		
Time (UTC): 09:28		
XY: 599290/6372979		
Depth: 114 m		
Vessel: Franklin		
Sampler: Day Grab		

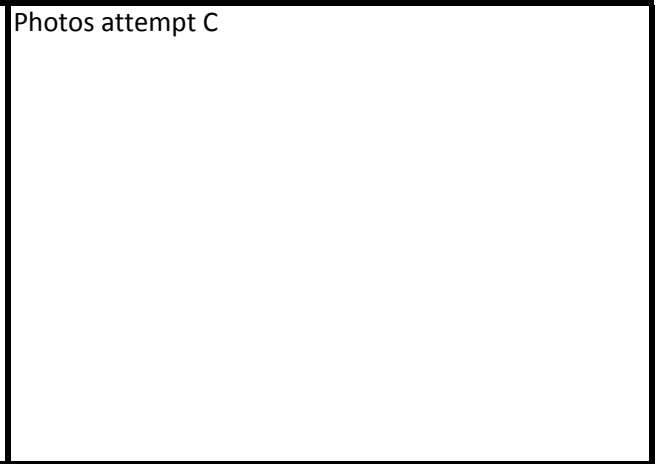
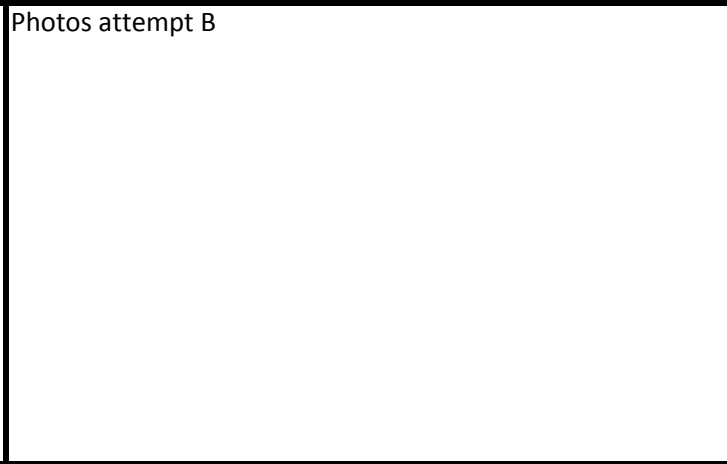
Sampled by:	TS, JT	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Silt, clay, some sand. A few small shell fragments. Compact.	12L	1976, 1977	x	x	x				x					x			
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S28_02	Video description is the same as for the main sample!	
Date: 2013-08-31		
Time (UTC): 09:28		
XY: 599290/6372979		
Depth: 114 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:		Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Silt, clay, some sand. A few small shell fragments. Compact.	12L	1978, 1979	x	x	x				x					x			
B																		
C																		




### Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S28					
Date: 2013-08-31					
Time (UTC): 09:45					
XY:	599290/6372979				
Depth:	114 m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal	x		
		PSA	x		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			


### Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S28		Comment (sample size, photo nr etc):
Date: 2013-08-31		
Time (UTC) Start / End: 10:16:29/10:32:09		
Depth:	114	
XY Start:	599290.97/6372976.23	
XY End:	599013.35/6372746.02	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	


## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S29_01	Video description: Silty sand. Small shellfragments. Small ripples. <i>Sabellaria</i> seen but rarely.	
Date: 2013-09-01		
Time (UTC): 10:19		
XY: 599883/6366581		
Depth: 121 m		
Vessel: Franklin		
Sampler: Day Grab		


Sampled by:	JT, TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Ok, silty sand. Not much shells.	8			x	x												
B																		
C																		

Photos attempt A 	Photos attempt B <div style="height: 200px;"></div>	Photos attempt C <div style="height: 200px;"></div>
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S29_02	Video description is the same as for the main sample!	
Date: 2013-09-01		
Time (UTC): 10:45		
XY: 599883/6366581		
Depth: 121 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	JT, TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Ok, silty sand. Not much shells.	10.5			x	x												
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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### Chemical Sampling


Grab ID: 101462-Stat_FR_CHE_DG_S29					
Date: 2013-09-01					
Time (UTC): 11:00					
XY:	599883/6366581				
Depth:	121 m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal	x		
		PSA	x		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

### Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S29		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	



## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S30_01	Video description: Silty sad with small ripples ad small shellfragments. Lumps of <i>Sabellaria</i> are present over the whole area. Burrows are frequently seen.	
Date: 2013-09-01		
Time (UTC): 09:22		
XY: /		
Depth: m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	Grab comment:	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	A	No grab performed due to aggregations of <i>Sabellaria</i> .																
	B																	
	C																	

Photos attempt A	Photos attempt B	Photos attempt C
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S30_02	Video description is the same as for the main sample!		
Date:			
Time (UTC):			
XY:		/	
Depth:		m	
Vessel:		Franklin	
Sampler:		Day Grab	

Sampled by:		Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	No grab performed due to aggregations of <i>Sabellaria</i> .																	
B																		
C																		

Photos attempt A	Photos attempt B	Photos attempt C
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## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S30					
Date:					
Time (UTC):					
XY:	/				
Depth:	m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			


## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S30		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	


## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S31_01	Video description: Silty sand. Scattered patches of <i>Sabellaria</i> . Small ripples.	
Date: 2013-09-01		
Time (UTC): 07:25		
XY: 600734.54/6364896.71		
Depth: 119 m		
Vessel: Franklin		
Sampler: Day Grab		


Sampled by:	JT, TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Silty sand.	8			x	x	x											
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S31_02	Video description is the same as for the main sample!	
Date: 2013-09-01		
Time (UTC): 07:45		
XY: 600734.54/6364896.71		
Depth: 119 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	JT, TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Silty sand.	12			x	x	x											
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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### Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S31					
Date: 2013-09-01					
Time (UTC): 07:45					
XY:	600734.54/6364896.71				
Depth:	119 m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal	x		
		PSA	x		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			


### Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S31		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	

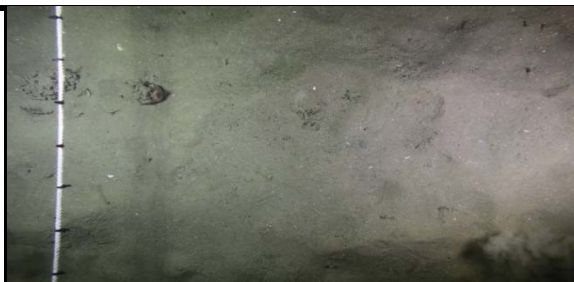
## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S32_01	Video description: Silty sand, small shell fragments. Small ripples. Sparse fauna. Occasional <i>Sabellaria</i> .	
Date: 2013-09-01		
Time (UTC): 08:20		
XY: 601698.62/6365307.77		
Depth: 118 m		
Vessel: Franklin		
Sampler: Day Grab		

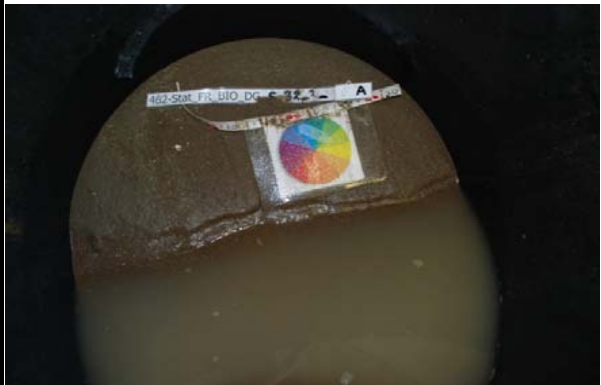
Sampled by:	JT, TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Silty sand. Small shell gravel. Some lumps of clay. But mainly sand with silt	8			x	x				x					x			
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S32_02	Video description is the same as for the main sample!	
Date: 2013-09-01		
Time (UTC): 08:40		
XY: 601698.62/6365307.77		
Depth: 118 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	JT, TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Silty sand. Small shell gravel. Some lumps of clay. But mainly sand with silt	12			x	x				x					x			
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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### Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S32					
Date: 2013-09-01					
Time (UTC): 09:00					
XY:	601698.62/6365307.77				
Depth:	118 m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal	x		
		PSA	x		
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

### Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S32		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	


## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S33_01	Video description: Sandy silt. Patches of <i>Sabellaria</i> scattered over the seafloor.	
Date: 2013-09-01		
Time (UTC): 06:30		
XY: 602957.53/6363821.69		
Depth: 109 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	JT, TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	No grab. Bouldres and sabellaria.																	
B																		
C																		

Photos attempt A	Photos attempt B	Photos attempt C
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## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S33_02	Video description is the same as for the main sample!	
Date: 2013-09-01		
Time (UTC):		
XY: 602957.53/6363821.69		
Depth: 109 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	JT, TS	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour	
Attempt:	Grab comment:																		
A	No grab. Bouldres and sabellaria.																		
B																			
C																			

Photos attempt A	Photos attempt B	Photos attempt C
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## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S33					
Date:					
Time (UTC):					
XY:	/				
Depth:	m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			


## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S33		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	

## Seabed Sampling protocol - Main sample

Grab ID: 101462-Stat_FR_BIO_DG_S34	Video description: Muddy silty sand, with shell fragments. Small holes in bottom. Ripples.	
Date: 2013-08-30		
Time (UTC): 12:35		
XY: 598064/6370570		
Depth: 110 m		
Vessel: Franklin		
Sampler: Day Grab		

Sampled by:	AJ, JT	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
Attempt:	Grab comment:																	
A	Clay, silt	12.5		x	x	x				x	x				x	-	Brown	Brown
B																		
C																		

<p>Photos attempt A</p> 	<p>Photos attempt B</p>	<p>Photos attempt C</p>
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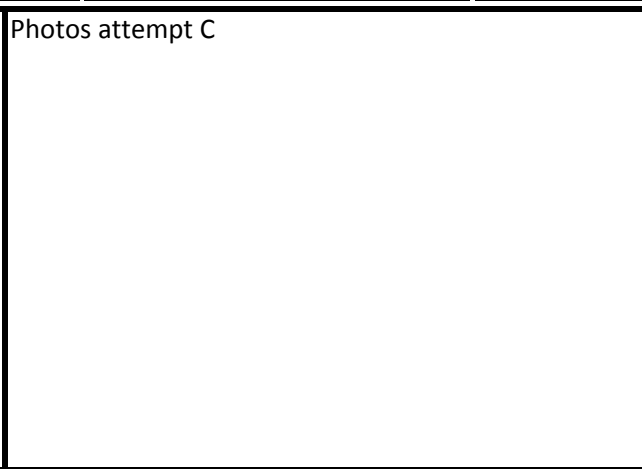
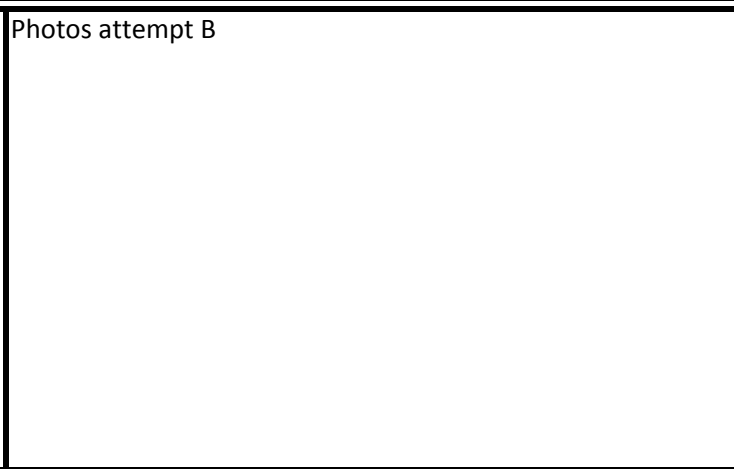
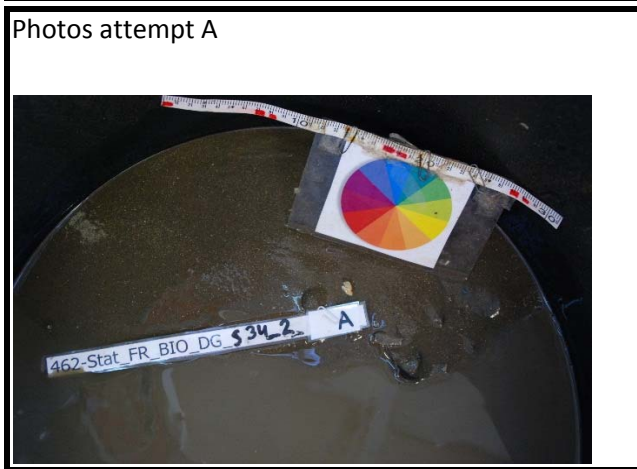
## Seabed Sampling protocol - Replicate sample

Grab ID: 101462-Stat_FR_BIO_DG_S34_02	
Date: 2013-08-30	
Time (UTC): 12:35	
XY:	598064/6370570
Depth:	110 m
Vessel:	Franklin
Sampler:	Day Grab

Video description is the same as for the main sample!



Attempt:	Grab comment:	Volume (L):	Photo ID	Clay	Silt	Sand	Gravel	Boulders	Bedrock	Soft	Stiff	Varved	Laminated	Well sorted	Unsorted	Hydrosulphide	Top layer colour	Sediment colour
A		11	1986 - 1987		x	x				x				x				Brown
B																		
C																		



## Chemical Sampling

Grab ID: 101462-Stat_FR_CHE_DG_S34					
Date:					
Time (UTC):					
XY:	/				
Depth:	m				
Vessel:	Franklin				
Sampler:	Day Grab				
Attempt:	Chemical samples				
A	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
B	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			
C	Chemical ID:	Oil		Grab comment:	
		Metal			
		PSA			

## Bedload sampling

Sample ID: 101462-Stat_FR_BLD_HS_S34		Comment (sample size, photo nr etc):
Date:		
Time (UTC) Start / End:		
Depth:		
XY Start:	/	
XY End:	/	
Vessel:	M/V Franklin	
Sampler:	Helley-Smith bedload sampler	





## Transect Field Protocol

Biologist:		WV								Annex 1:				Common species:											
Transect ID:		DDV_T102								Sediment:						Stony reef:	Modiolus reef:	Sabellaria reef:	Other biogenic reef:						
Date:		2013-08-25								Silt / Clay	Sand	Gravel	Boulders	Bedrock	Shell cover (%):										
XY Start:		573095	6375565																						
XY End:		573033	6375514																						
Vessel:		M/V Ping																							
Time (UTC):	Depth (m):	Comment:																							
16:45	1	Start of transect																							
17:08	2	End of transect																							



## Transect Field Protocol

Biologist:		JT									Annex 1:				Common species:												
Transect ID:		DDV_T12									Sediment:							Stony reef:	Modiolus reef:	Sabellaria reef:	Other biogenic reef:						
Date:		2013-08-31									Silt / Clay	Sand	Gravel	Boulders	Bedrock	Shell cover (%):											
XY Start:		593936	6373419																								
XY End:		593920	6373129																								
Vessel:		M/V Franklin																									
Time (UTC):	Depth (m):	Comment:																									
07:12	88	Start of transect																									
		Sand with ripple feature. Small shell fragments. Occ boulders draped with <i>Sabellaria spinulosa</i> tubes.		x	x	x				15			Possible														
07:19	88	Cobbles, boulders more frequent. <i>S. spinulosa</i> only attached to probably boulders and not seen in the sand.		x	x	x	x						Possible														
07:45	88	End of transect																									



