

Forn garðlög í Suður Þingeyjarsýslu

A system of earthworks in NE Iceland



Framvinduskýrsla / Interim Report

Oscar Aldred, Elin Hreiðarsdóttir, Birna Lárusdóttir, Árni Einarsson

Fornleifastofnun Íslands / Náttúrurannsóknastöðin við Mývatn

FS257-04261

Reykjavík 2004



© *Fornleifastofnun Íslands*

Bárugötu 3

101 Reykjavík

Sími: 551 1033

TABLE OF CONTENTS

Summary	5
Introduction.....	6
Methods.....	7
Development of the data collection and registration methods.....	7
Data sources	7
Integration of data	8
Mapping	15
Database.....	15
Survey	16
Preliminary assessment of the methods	19
Results.....	20
Coverage and Mapping	20
Outreach	32
Discussion	33
Distribution, types and tentative interpretations	33
Future plan	36
Appendices.....	37

LIST OF FIGURES & TABLES

Figure 1 Enclosures and linears at Narfastaðasel, Reykjadalur, taken in 2004	5
Figure 2. Events coverage	9
Figure 3 Reykjahverfi, taken in 2003	11
Figure 4 Data coverage	12
Figure 5 Fljótsheiði, taken in 2002	13
Figure 6 Objects or boundary coverage	14
Figure 7 Database	16
Figure 8 Saltvík, taken in 2004	17
Figure 9 Narfastaðir, taken in 2004	18
Figure 10 Near Laxamýri, taken in 2003	20
Figure 11 The project area	21
Figure 12 Fljótsheiði, taken in 2004	22
Figure 13 Fljótsheiði	23
Figure 14 Höfðagerði, taken in 2003	24
Figure 15 Reykjahverfi, Hvammsheiði and Aðaldalur	25
Figure 16 Reykjadalur and Seljadalur	26
Figure 17 Laxárdalur, taken in 2002	28
Figure 18 Tjörnes	29
Figure 19 Laxárdalur	30
Figure 20 Bárðardalur	31
Figure 21 Laxárdalur valley, taken in 2003	34
Figure 22 Brún farm, Reykjadalur, taken in 2004	35

SUMMARY

The first of a three year project *Forn garðlög í Suður Þíngeyjarsýslu* funded by RANNÍS has seen several areas of work. These include the development of methods and techniques to for archaeological research of landscapes using aerial derived data, incorporation and integration of previous research carried out in the study area, as well as the collection and mapping from new sources of information.

A total of c. 188 km of boundaries, both long or linear boundaries as well as enclosures, were mapped in the study area, which measures approximately 4,000 sq km.



Figure 1 Enclosures and linears at Narfastaðasel, Reykjadalur, taken in 2004

(Note how the erosion follows the linear boundary on the right side of the image, the well preserved boundary walls and structures and the vegetation differences between utilised (strong green around the structures) and unused (darker green heath) land.)

INTRODUCTION

This year saw the beginnings of the project *A system of earthworks in NE Iceland / Forn garðlög í Suður Þingeyjarsýslu*, a 3 year project funded by RANNÍS. Building on the previous work carried out by the pilot study, the main areas of work include the development of methods and techniques to for archaeological research of landscapes using aerial derived data, incorporation and integration of previous research carried out in the study area, as well as the collection and mapping from new sources of information. Some emphasis has been placed on the developing a system for data integration which includes a GIS, and a connected textual database. Furthermore, some fieldwork was carried out to verify the mapping process from the data integration and other sources which included the development of a new survey form.

This report is intended to provide an overview of the work carried out in the first year of of the project and to outline summaries connected with the technical developments within the project and the preliminary results from the mapping and other project work. As much as possible the text is supported by visual and graphic illustrations about the work that has been carried out. Particularly emphasis is placed on aerial images associated with the study area.

METHODS

This year was mainly focused on the creation and development of methods and techniques in the study of landscapes using aerial archaeology, remote sensing and field survey. Already there existed a large body of data, particular concerning the linear features within the study area. Almost all the data only existed on a paper form and therefore it was necessary to re-capture this information and place it within a digital context for further display, analysis and integration with other data sources. A number of the boundaries had also been surveyed in field both using survey forms developed in the pilot study project and global position system (GPS) hand-held computers. This information was in several different projections and coordinate formats so it was necessary to transform the data objects into one system; ISN93 was chosen.

DEVELOPMENT OF THE DATA COLLECTION AND REGISTRATION METHODS

Data sources

The data sources for the mapping of the archaeological features can be divided into several types:

- Vertical black and white contact prints (in a paper format)
- Paper archives associated with survey and mapping of boundaries, including survey form documentation and mapping from stereoscopic viewing onto transparencies
- Satellite data (SPOT 5; in a digital format (single and multi-band))
- Oblique colour slides (in a digital format)
- GPS data (in a digital format)

All of these sources contributed towards the initial collection and mapping of the archaeological features. However, the vertical contacts and the transcriptions were the main source and lay the foundation for the subsequent adjustment and checking on the ground. Though a substantial amount of point data has already been collected during

other research in the study area, very little of this was used in the initial data collection and mapping stages in 2004. This part of the project will develop in 2005 and 2006 where it will be important to understand the distribution and types of the earthworks in relation to other sources such as archaeological survey.

Integration of data

The integration of the data into the GIS and database took place using a specific structure of registration. It was decided that the process of collection and registration should be as *transparent* as possible, i.e. allow different users to consult the data and *reconstruct* the processes and steps taken in data creation. This also created accountability in the *decision-making* processes in interpreting features, as well as allowing the data to be updated but at the same time documenting the *creation history* for each object. Consequently, the collection and integration of existing data sources was started *de novo* within the newly developed system. The system consisted of 3 main areas:

- *Events* – actions associated with the collection, interpretation and integration as definable objects within the GIS; for example, *when* a surveyor goes into the field and records a boundary or a verification of one and this information is then used to enhance or amend the definitions in the databases.
- *Data* – the data sources used in the collection, interpretation and integration as definable objects within the GIS.
- *Objects* – the mapped data objects created in the GIS; for example, each boundary or archaeological feature is defined as an object in the databases.

Events

In 2004, there were 20 individual events. 5 of these were connected with earlier processes but were nonetheless important in the creation of the datasets in 2004. For example, the initial transcriptions were carried out in 2000-2002, as well as some satellite mapping carried out in 2003. The main events that took place in 2004 were the integration events and the field survey events.

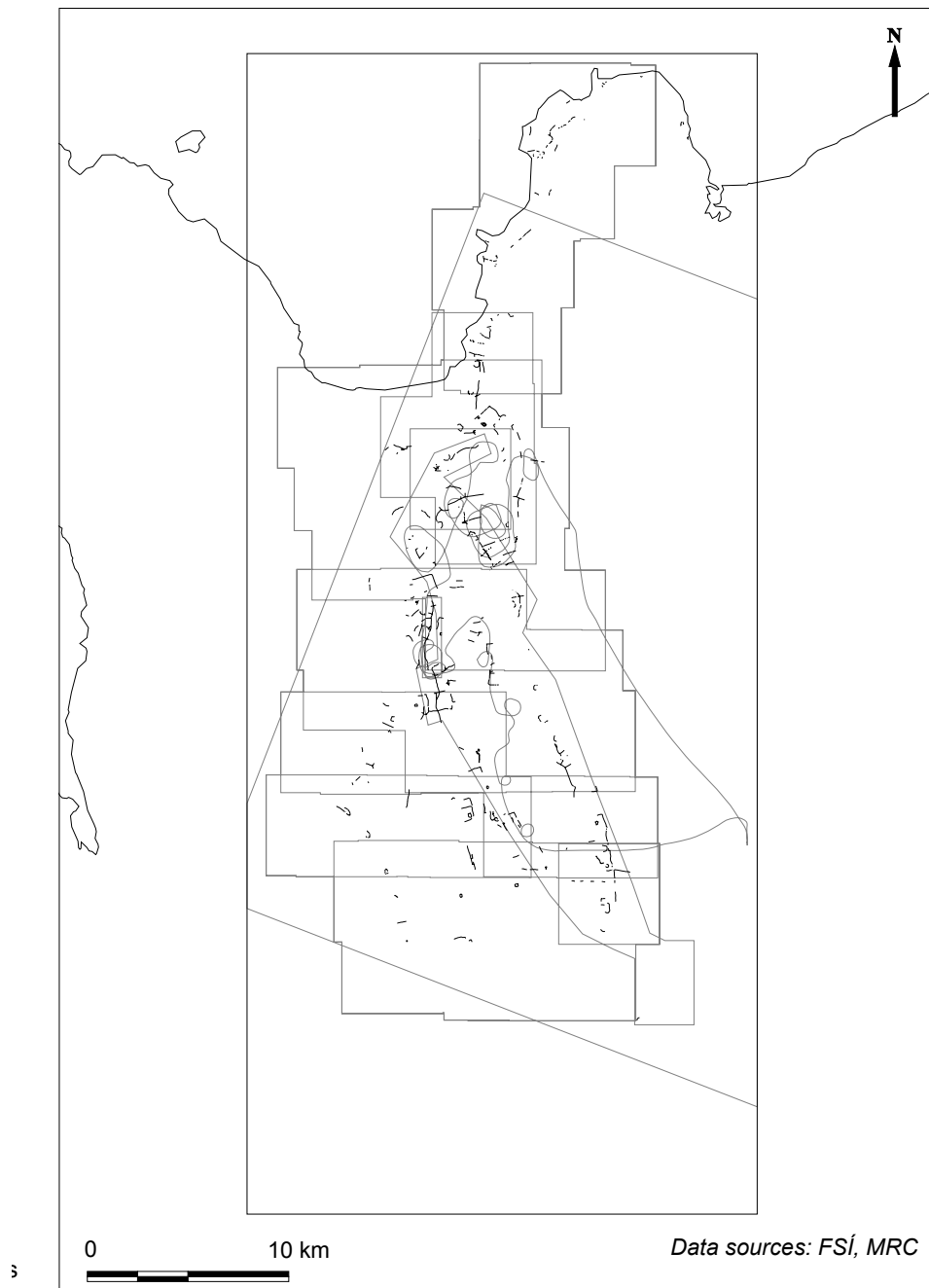


Figure 2. Events coverage

(The areas associated with each event or mapping episode is reflected in this figure in the grey blocks, as well as the grey outlines (GPS recorded flight paths).)

Data

The vertical contacts were the main source of information for the initial data collection and mapping stages. During the consultation of the verticals SPOT 5 satellite data was important in identifying the landscape areas relating to each contact. The satellite data therefore was integral in this first stage of the mapping process. A total of 68 vertical contacts were consulted, covering approximately 64 sq km and 2 SPOT 5 images.

The vertical contacts were analysed in stereopairs during the pilot study project and features were mapped onto transparencies; these were the main source for the data integration in the first year of the project. The mapped features were divided on the transparencies into several colours, which related the confidence in interpretation during the transcription process. During the integration each feature on the transparencies was re-evaluated and mapped accordingly into the GIS and given attributes in the database.

The oblique aerial photographs and digital images of the individual sites were consulted during the integration and the verification stages. The images have been collected since 2002, and consecutively in 2003 and 2004 by Árni Einarsson, usually flying in the late spring or late summer periods. It is envisaged that a select number of images will be used to provide additional interpretation and detailed mapping; a rectification package developed by Professor Irwin Scholar – AirPhoto 3.14 – will be used to place obliques onto a map base using known control points.

The flying and photographing of sites, boundaries and landscapes has been an important element of the mapping process, both for verification purposes as well as visual presentation of the landscape and the elements situated within them. More often than not the features seen from the air are not explicitly apparent in the field. Therefore in order for the methodology and techniques of recording and understanding are to develop an additional programme of flying needs to take place. It is envisaged that the photographing from the air will continue and this will aid in the continued enhancement of the mapping process as well as the management and presentation of the project.



Figure 3 Reykjahverfi, taken in 2003

(The linear boundary is in the foreground and with a double banked small circular enclosure There is a good contrast between the farmland (in the background) and the heath and grazing lands (in the foreground).)

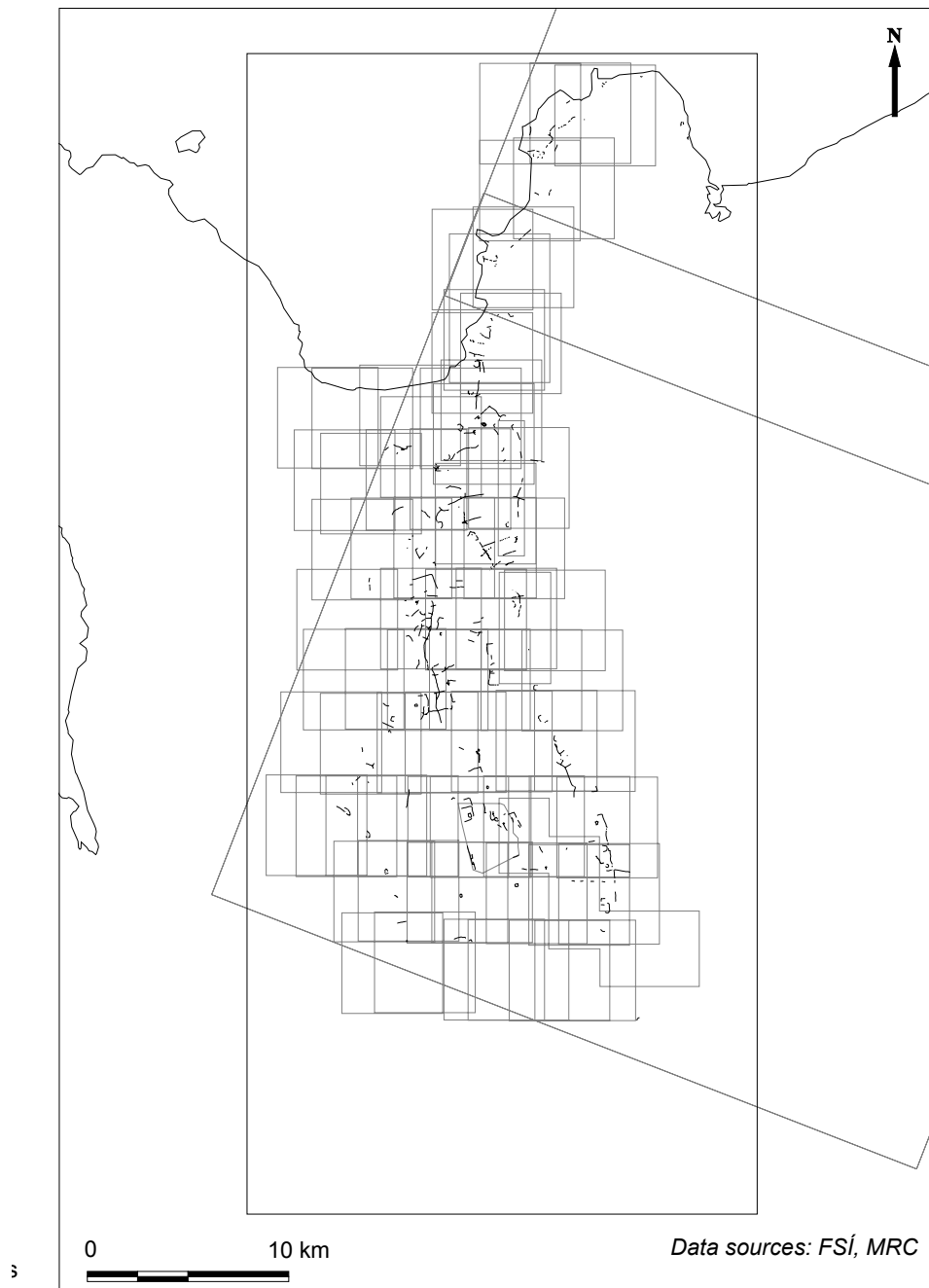


Figure 4 Data coverage

(The data sources associated with the mapping process and objects in the GIS are defined by the grey blocks.)

Objects

In total 310 individual objects or boundaries are mapped; this amounted to a total of 188 km of all types of boundaries. The longest boundary segment is just over 3 km long (id 94) and runs across the upper most part of Fljótshéiði. Each object in the geo-database is assigned a unique identification number and therefore can be related to additional attribute information in the textual database. At this initial stage only a few attributes in the geo-database have been used: id (to relate to the textual database), confidence level (ranging from 1 to 3 [1 being the most confident]) and object geometry, such as min, max x and y, centroid location and object length. The confidence values are set so that identification of uncertain but possible boundaries can be extracted from the data for checking in the field or verification based on previous surveys or local knowledge. Such a system was developed and successfully tested.



Figure 5 Fljótshéiði, taken in 2002

(The double banked linear boundary is just visible in the snow, centre of the foreground, along with other more recent fence lines and linears in the mid area of the image.)

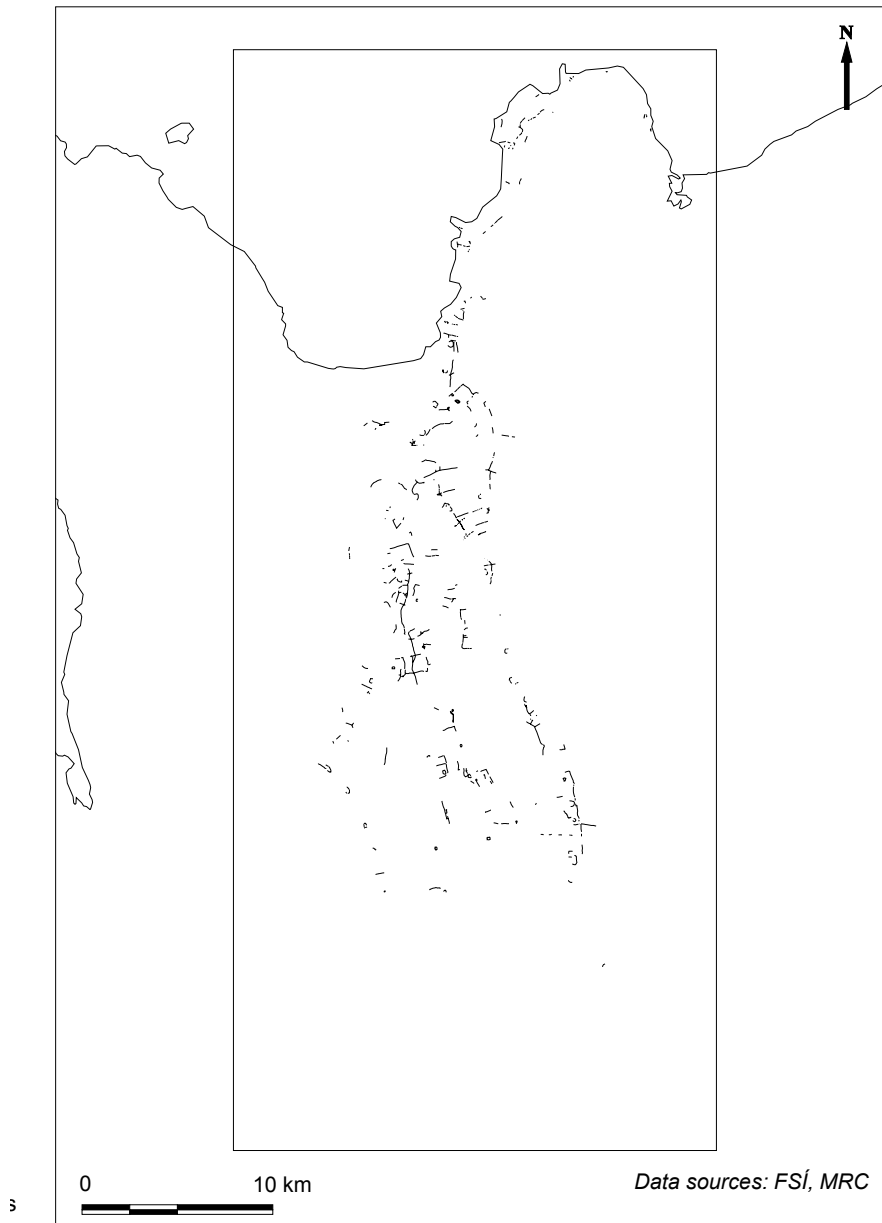


Figure 6 Objects or boundary coverage

(The mapped boundaries in black across the study area derived from the Data sources and mapped during Events; compliments Figures 1 and 3.)

Mapping

The mapping process as intimated in the previous sections was a systematic and source-rich process and involved several steps:

1. Mapping and identification of the vertical contact areas in the GIS.
2. Systematically integrating vertical source data, with new data collected from the satellite, field survey, GPS survey and local knowledge.
3. At the same time as the mapping process, each object assigned interpretative confidence values.
4. Integration of post-survey corrections and additional data collected in the field.
5. Packing and processing of the object geometry.

This marked the end of the first phase of the mapping process. It is expected in the following year that more boundary information will be collected and these will then be integrated into the existing object data set. In particular new survey areas and checking of mapped boundaries in the field, as well as verification from previous work, will be used to enhance the coverage (see Future plan section).

Database

The database structure is based on an event-monument model derived from the assessed data structure connected with the mapping and data collection processes. In this regard the database has 3 distinct areas which are complemented by the GIS data. These 3 areas are Events, Data and Objects. The relationship between the different areas is through the identification number for each object, so that, for example, a relationship can be created between the Object on the hand and the Data sources or Events used in the mapping and collection processes. Consequently this means that for each Object a set of Data sources can be listed, as well as the Events that have contributed towards the Object creation (either as a mapped object or one verified in the field or with other sources).

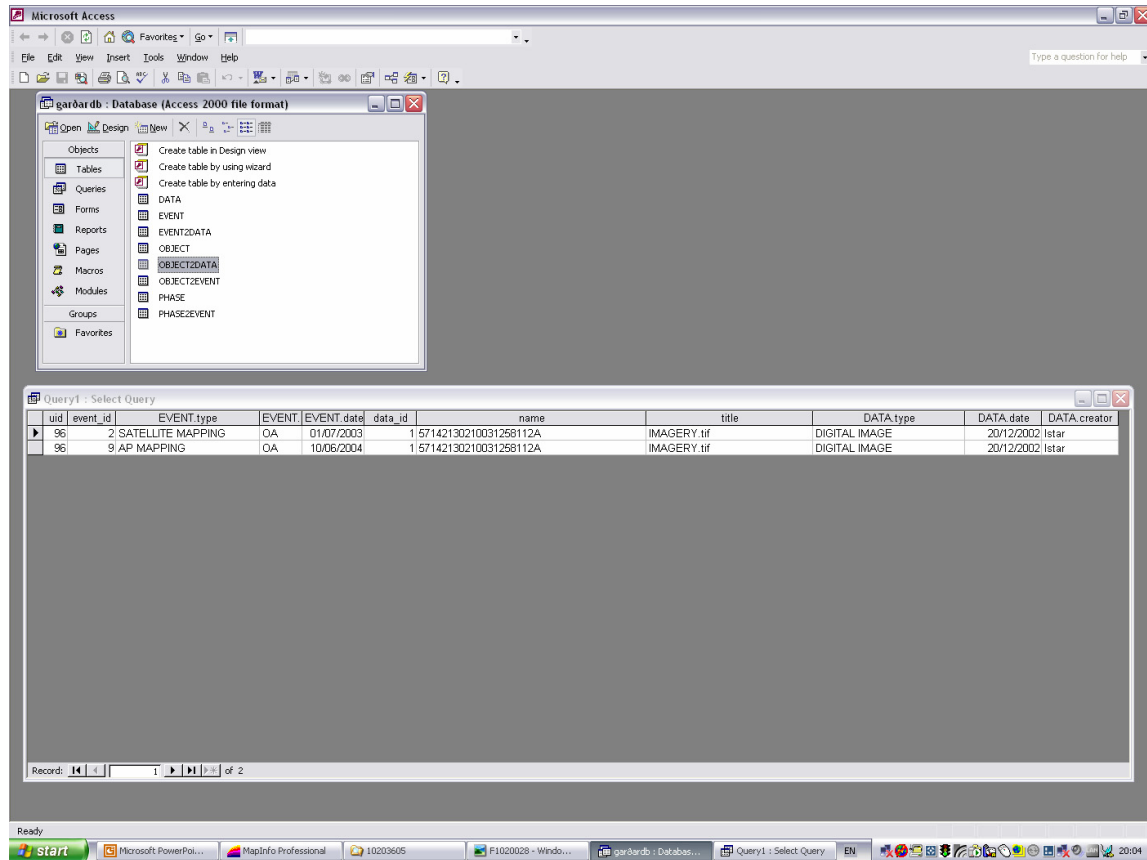


Figure 7 Database

(The database records only for Data and Events associated with one Object, id 96.)

Currently the link between the GIS geo-database and the textual database is passive, i.e. it works in an informal way by selecting ids from the geo-database which can then be queried in the textual database. Eventually, however, it is envisaged that the link will be more active and the information collected during the mapping process can be integrated directly rather than through a system of 2 steps; first, mapping the object in the GIS then going to the textual database and entering the relevant Data and Event information.

Survey

A survey in the field was carried out in selected areas and had several aims:

1. To verify the identification of the mapped objects and the transcription processes.
2. To develop and test new techniques for collecting survey and descriptive information about boundaries.
3. To identify potential areas for more detailed analysis, for both desk-based sources and for excavation.



Figure 8 Saltvík, taken in 2004

(A view taken during survey of the area, from the ground. The boundary is visible in the centre of the image running from the foreground to the back.)

The verification of the mapping and checking on the ground was carried out in several ways. Firstly, some areas were chosen that were familiar to the surveyors so that the process of checking could be based on survey projects conducted in the region. Secondly, a selection of different confidence levels derived from the mapping process, particularly

those that scored low, were checked. The outcomes of these were often to confirm the mapping process, which inevitably reinforced the confidence levels of the mapping process and the methods of identification from transcription data sources. Through both of these processes many more boundaries were identified and the precise locations of existing ones enhanced.



Figure 9 Narfastaðir, taken in 2004

(The linear boundary is visible running parallel and at the base of the ridge at the back of the image.)

In the survey several methods were developed to record and describe boundaries. A new survey sheet was created (see Appendices), based on the pilot project template. It was made more concise and quicker to fill out, but with many of the same features, including sketching space and profile types. To compliment the survey sheets, systematically recorded GPS locations were taken. Two methods were used to carry this out. Firstly,

waypoints were marked at the start and ends along a boundary. Secondly, *tracking* was used to record the location of the main body of the boundary as a continuous line. This increased the speed without hindering the accuracy of the recoding methods.

Furthermore, specific locations along the boundary were marked, such as confluences and erosion faces where possible excavation might take place in the following year.

PRELIMINARY ASSESSMENT OF THE METHODS

The work carried out in 2004 completed several objectives that were set in the application to Rannís:

1. Previous project data were integrated into one system.
2. Methods were developed that are appropriate for the mapping and transcription of boundaries.
3. Databases were created for documentation and analysis.
4. Verification and checking in the field of the transcription and mapped boundaries took place to enhance and to the existing information.

Furthermore, the mapping and survey established preliminary assessments on the types of boundaries and how they relate to other features. This was discussed at length within the project team and discussed further with the members of the management group.

RESULTS

COVERAGE AND MAPPING

The distribution and coverage of the boundaries in the study area was relatively comprehensive. Some areas in particular had denser coverage. Fljótshéiði, Reykjahverfi, Hvammsheiði, Aðaldalur, Reykjadalur, and parts of Tjörnes, Laxárdalur and Bárðardalur.



Figure 10 Near Laxamýri, taken in 2003

(The enclosure is cut in two by the road, but is visible as a double banked curvi-linear enclosure. The linear that runs parallel with the road in the foreground is the modern hot water pipeline.)

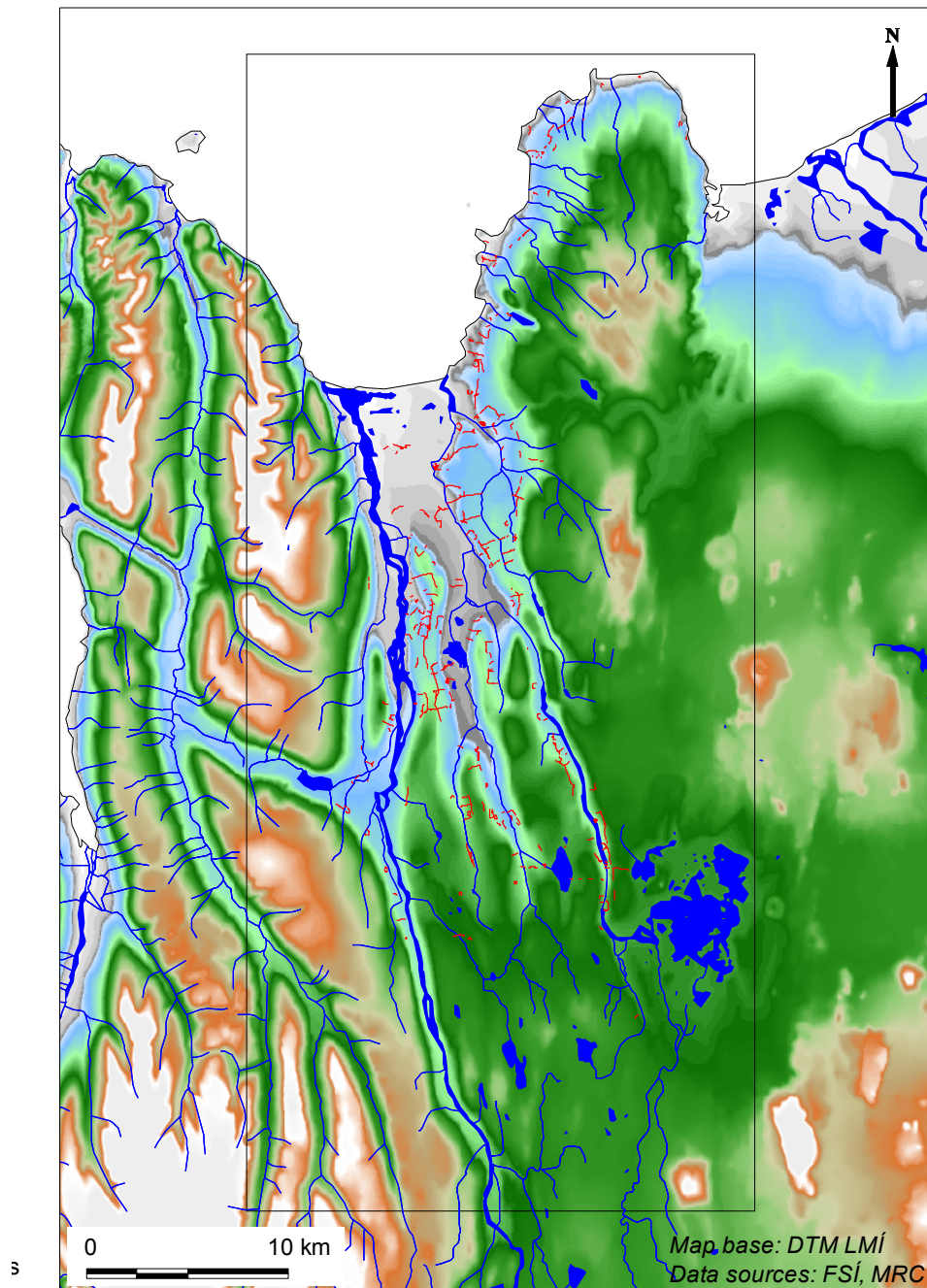


Figure 11 The project area

(The study area with the digital terrain model as a backdrop – the blue areas are the lowest and the greyish white the highest points, rivers in blue and archaeological features in black (red in this image). Used for subsequent figures (13, 15, 16, 18, 19, 20.)

Fljótshéiði

During the project and data gathering Fljótshéiði was well photographed and surveyed in the field. The main types of boundaries seen in this area are relatively characteristic of the whole study area. Linear boundaries that run along contours, as well as those that run perpendicular to them. Small and larger enclosures can also be seen. The varieties of types suggest possible functions. The linears that run along the tops of the high points are sub-dividing the land from which perpendicular boundaries run off. Occasionally, there are boundaries that are isolated from the main group and these are perhaps dividing and segregating distinct areas for specific uses and/or defining ownership.



Figure 12 Fljótshéiði, taken in 2004

(Linears, structures and other features, demonstrating several phases of land management and use.)

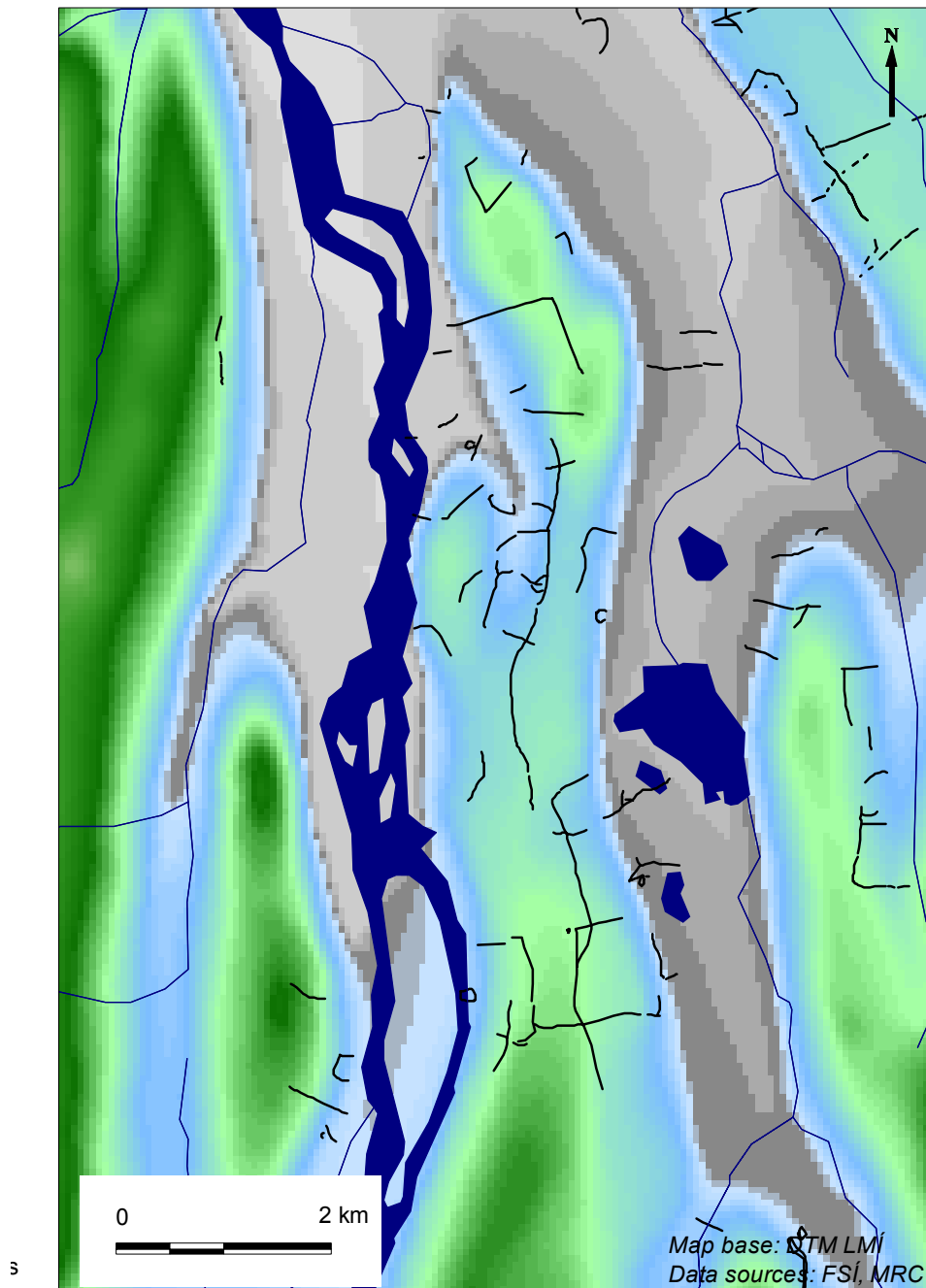


Figure 13 Fljótssheiði

The boundaries on Fljótssheiði also demonstrate a chronological sequence where there are confluences of boundaries and changes in the alignments and space creation. These areas

in particular are interesting if the project is to assess the development and chronology of landscape connected with the boundary landscape and might perhaps be targeted for more detailed assessment.

Reykjahverfi, Hvammsheiði and Aðaldalur

Similar to Fljótsheiði the Reykjahverfi, Hvammsheiði and Aðaldalur area was well photographed and surveyed and therefore already had a substantial amount of information associated with it. The combination of boundaries seen in this area again represented most of the types seen in the whole study, though there were slightly more enclosures and curvi-linear boundaries than in other areas, along with the linear boundaries, both perpendicular and contour following types.



Figure 14 Höfðagerði, taken in 2003

(Enclosure boundaries in foreground, with structures seen both left and right of the caravan (centre) and Laxá river on the far left.)

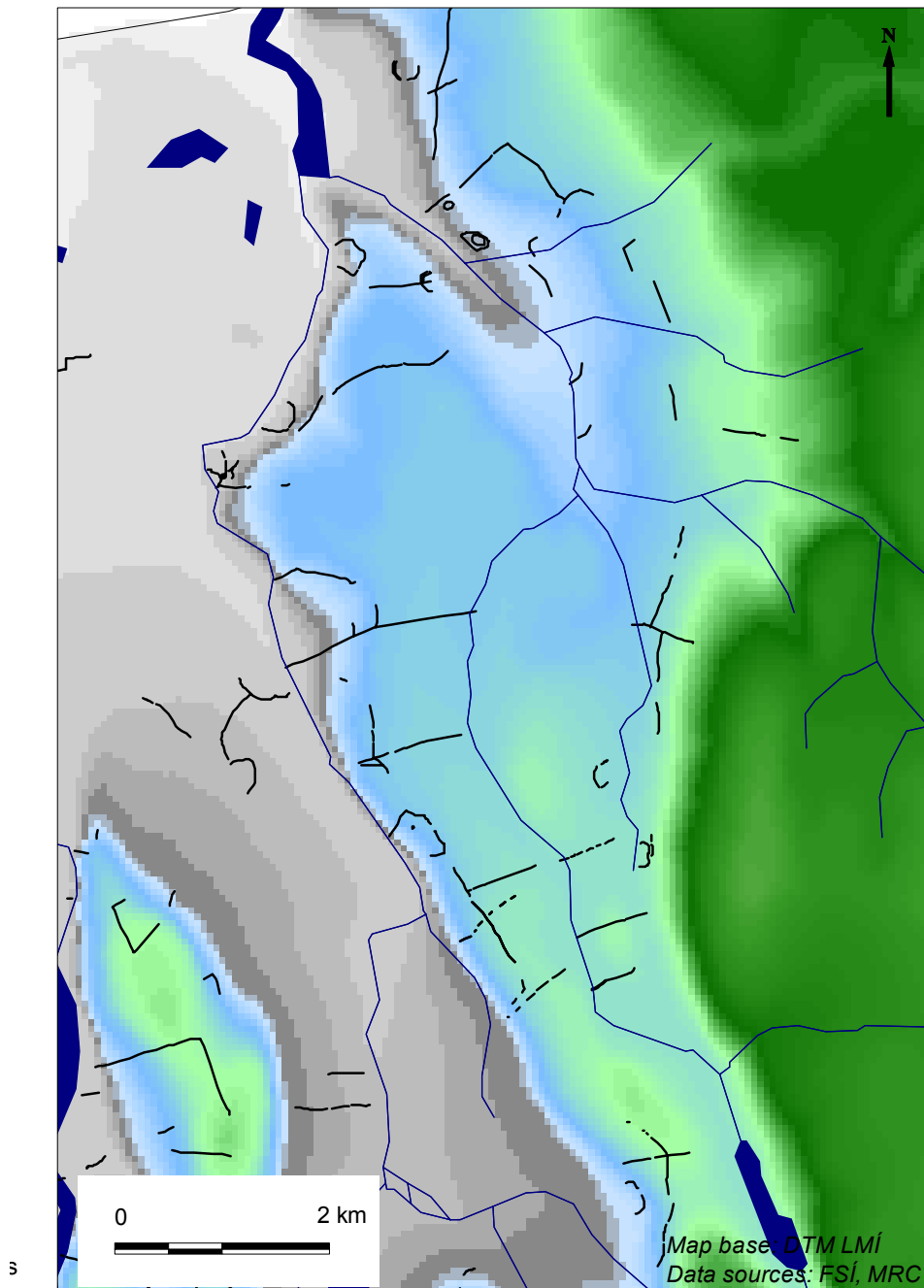


Figure 15 Reykjahverfi, Hvammsheiði and Aðaldalur

The upper areas of the Hvammsheiði area were substantially divided by boundaries that cut across the plateau top. When viewed against the water courses it becomes apparent

that the boundaries are forming distinct parcels of land, perhaps relating to lower lying farms that had claims to the upper pasture areas.

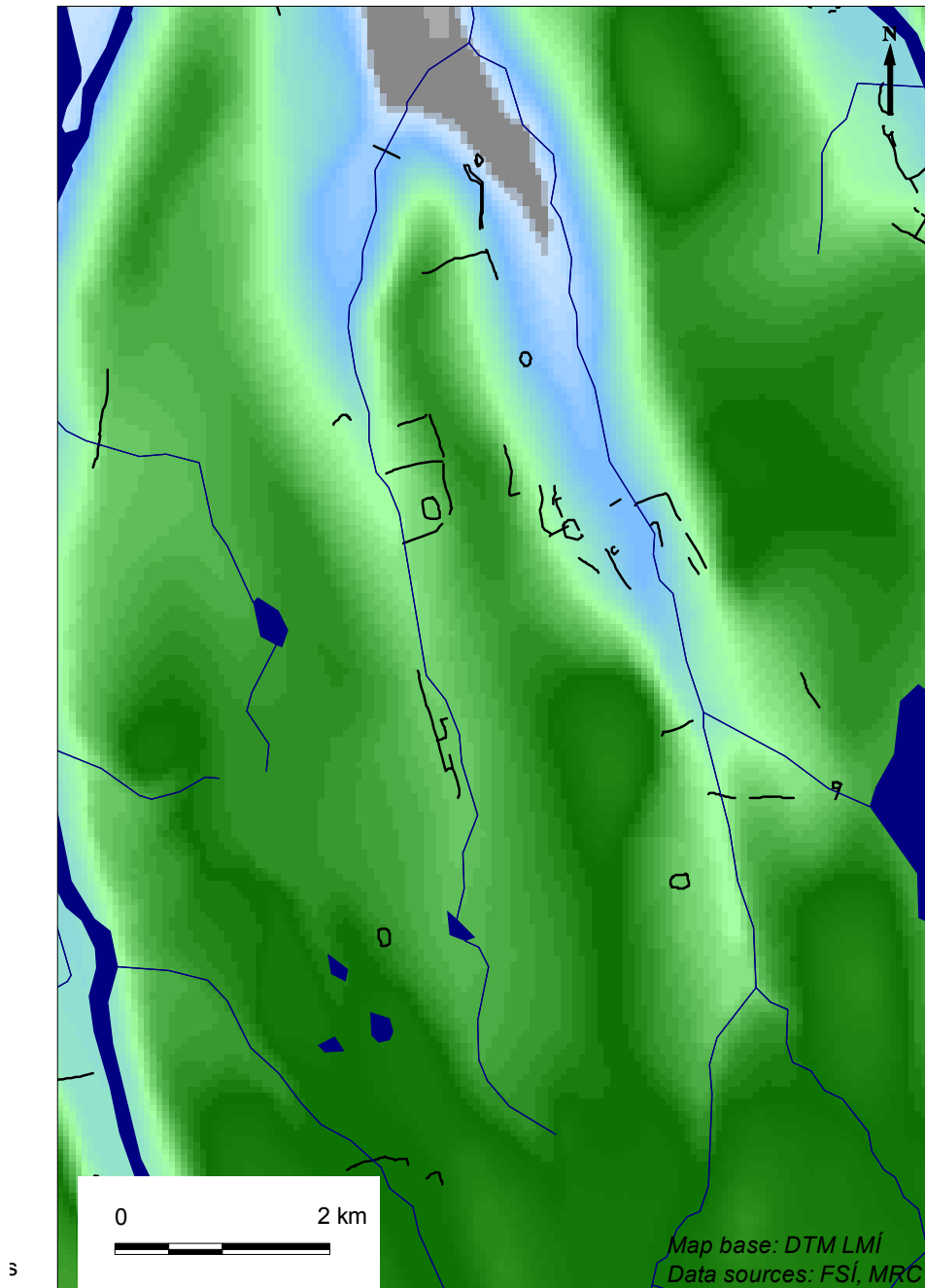


Figure 16 Reykjadalur and Seljadalur

Reykjadalur

This area can be characterised as having more farm specific boundaries rather than the long linears that appear to be dividing the landscape in Fljótsheiði, Reykjahverfi, Hvammsheiði, and Aðaldalur. This area has been subject to change over time and it is possibly a deserted valley whose remnants have been identified from aerial photography and field survey.

There are several large enclosures in this area that are defining perhaps the outfield areas from the shared land or creating smaller tenant farms from larger ones. Several outlying small enclosures may relate possibly to the land management in this area. Many of the farms identified from 1847 have the place-name element *-sel*.

Tjörnes, Laxárdalur and Bárðardalur

These areas have a lesser density than the other areas, though it is likely with further research from aerial photography and in the field survey that more boundaries will become apparent.

- Tjörnes for example suggests a fragmented boundary arrangement from the vertical contacts, though relatively little flying has taken place there. The boundaries that have been mapped are mostly linears that run along contours with the occasional farm enclosure. A general field survey has been carried out in Tjörnes.

- In the Laxárdalur area a dense number of boundaries at the southern end of the valley and relatively little at the north end were mapped. In the mid point within the valley the western slope also appears to have more features and it is likely that the topographic conditions for settlement are influencing the distribution and types of boundaries being seen. Only a little part of Laxárdalur has been surveyed in the field.

- The Bárðardalur area is a predominately represented by infield and localised farm boundary development area, with very few linears dividing the landscape between farms. Nothing has been surveyed in the field in Bárðardalur.

With additional mapping and photography these areas may reveal great complexity and it is hoped that in the next few years further identification of new features will be carried out in these areas.



Figure 17 Laxárdalur, taken in 2002

(Circular enclosure with structures and a fence line running across. Light snow cover and shadow from low lying light enhance the earthworks.)

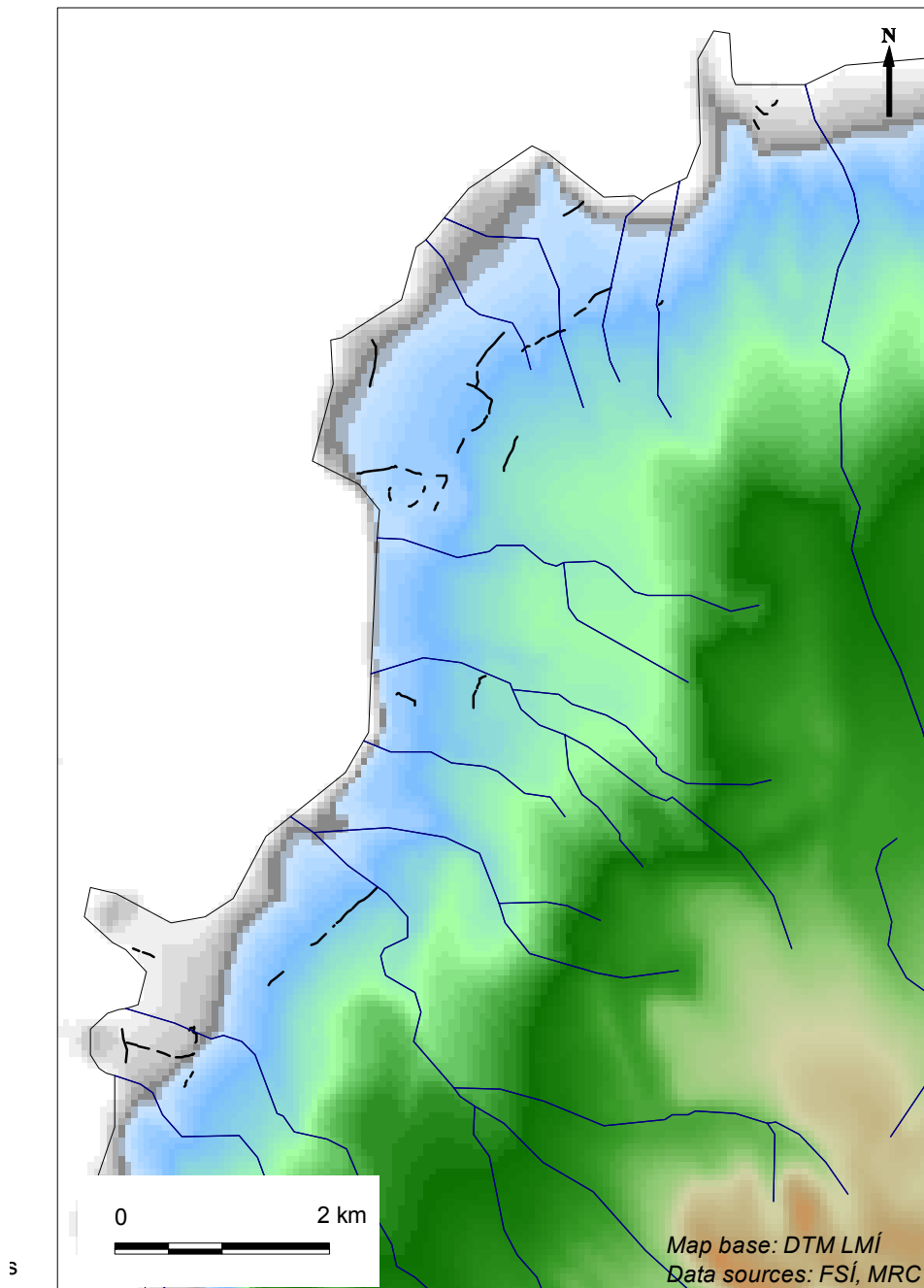


Figure 18 Tjörnes

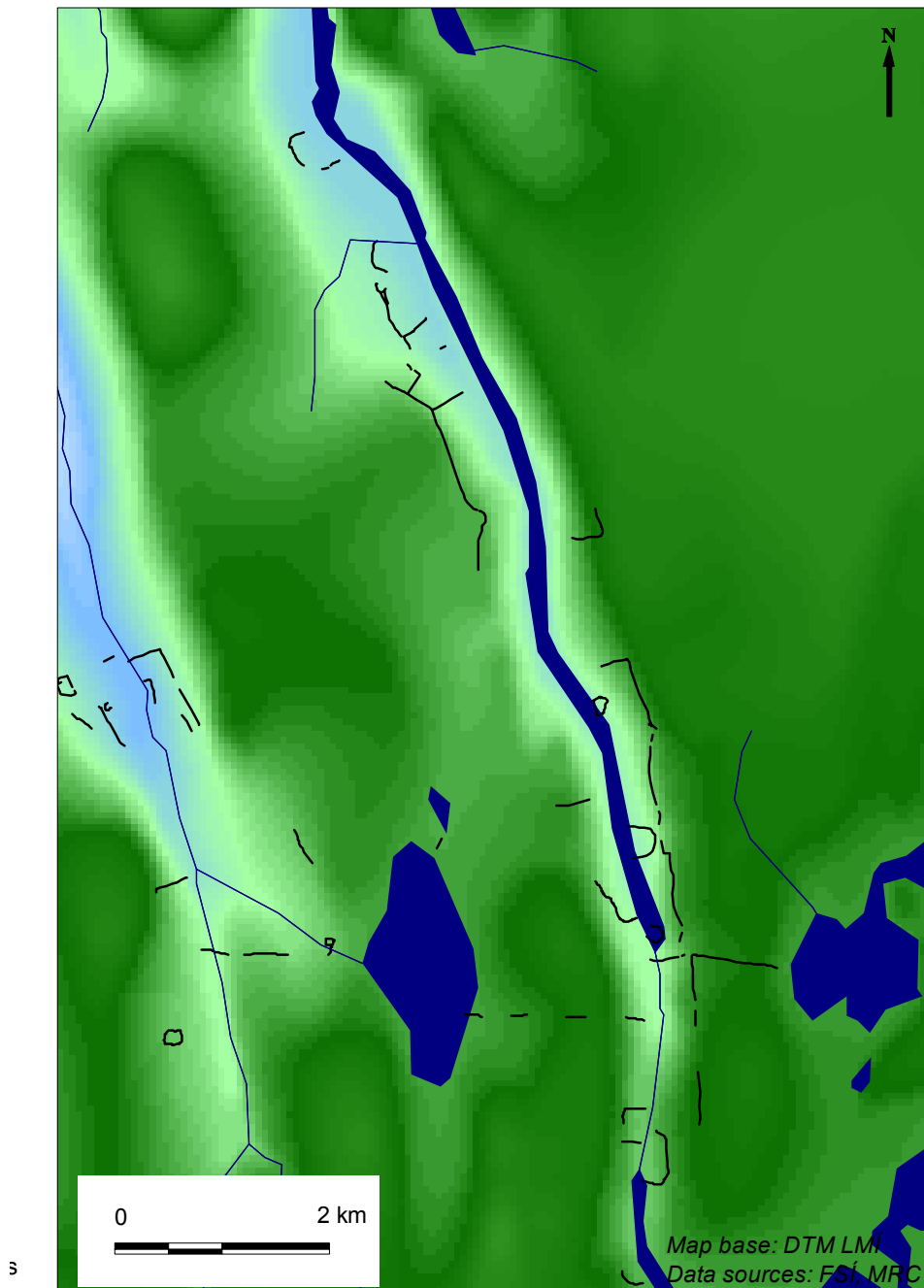


Figure 19 Laxárdalur

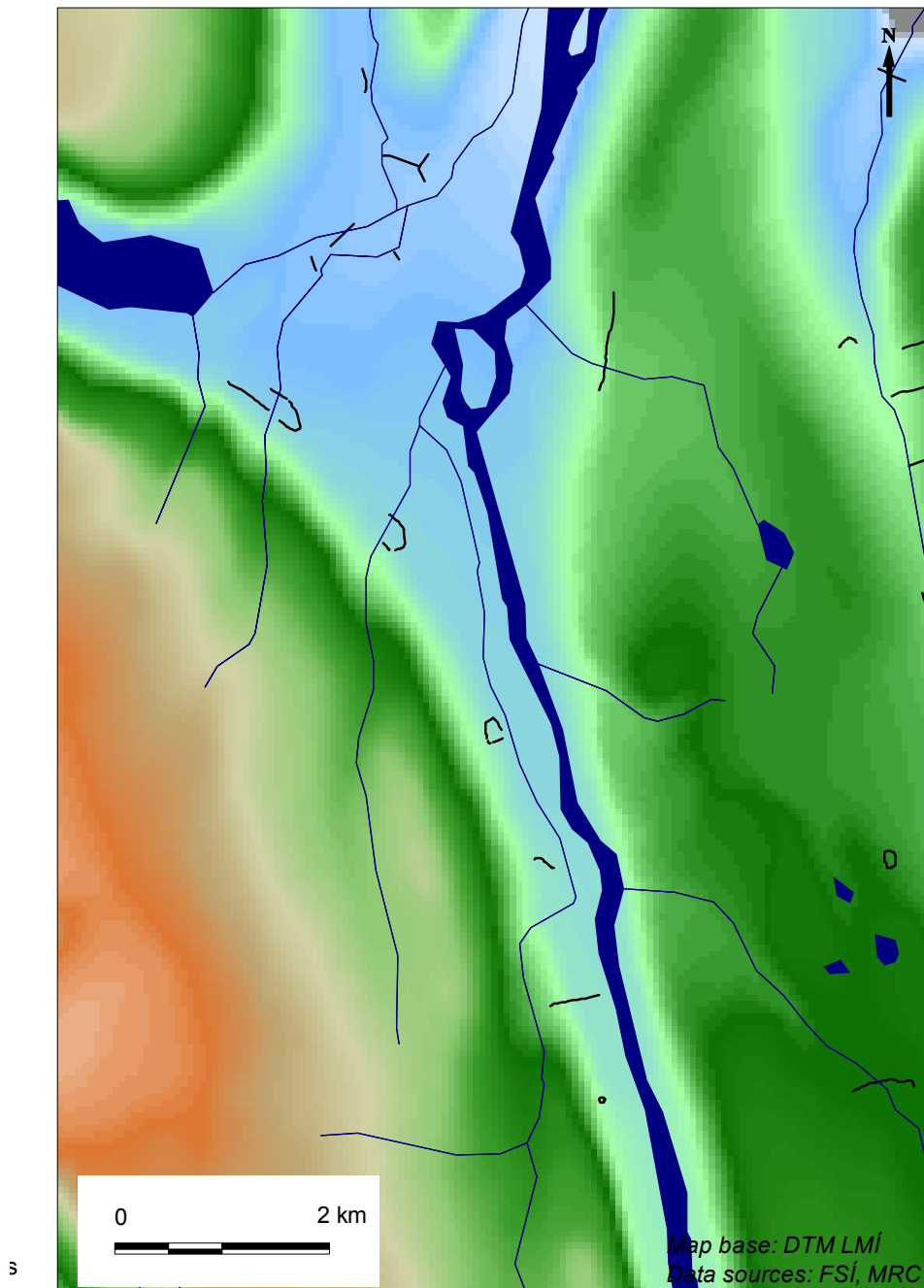


Figure 20 Bárðardalur

OUTREACH

In the first year and at the start of the project a web site was created to present general information about the project, its progress and any news that derives from the project work - http://www.instarch.is/gardar_rannis.htm. The web site contains several areas: project information, images and mapping, research, documentation, outreach and links. As the project progresses the web site will develop.

Several meetings and discussions have taken place with organisations and individuals about the project. Contacts have been established with the National Museum of the Faroe Islands, and with Professor Mats Widgren at the Department for Human Geography at the University of Stockholm in Sweden. Additionally, the Aerial Archaeology Research Group (AARG) were given presentations on the project work at a recent symposium on aerial archaeology and in doing so contacts were established primarily between the National Mapping Programme (NMP) team at English Heritage, The Royal Commission of Ancient and Historic Monuments of Wales, The Royal Commission of Ancient and Historic Monuments of Scotland, the University of Vienna and University of Poznan, Poland.

It is planned that a meeting will be held with the people that live in the study area to inform them about the progress made in the project and to get feed back or more formal levels of interest and cooperation. Any such meetings and presentation of the project will be organised and presented to the *Fornleifafélag Pingeyinga* who have been formed in collaboration with *Fornleifastofnun Íslands* and *Náttúrurannsóknastöðin við Mývatn*.

DISCUSSION

It is apparent from the initial data collection, mapping and survey that the landscape in the north east of Iceland is particularly rich and well preserved one, retaining many features that appear not to exist in other regions. As a consequence the establishment of methods and techniques to map cultural landscapes using a combination of aerial photography, satellite imagery, field survey can be applied and tested to other regions to assess whether the product of understanding can be enhanced; it is possible that the impression one has about a landscape is tainted by preconceived ideas about the nature of the archaeology and levels of survival from a ground level; mapping from aerial photography in this project has demonstrated that many more features can be identified and the understanding of landscapes is much fuller. It is extremely important, as demonstrated by this project that an aerial survey is used to compliment any on the ground survey work.

The project work in the first year has successfully demonstrated this approach of interpretative mapping and has developed new methods and techniques and applied them successfully. As a direct result of the large scale survey that has been carried out a greater understanding of landscape, in particular its development as continuity or change is presented. In the context of other work, particularly field survey, this kind of information increases our general understanding of landscapes.

DISTRIBUTION, TYPES AND TENTATIVE INTERPRETATIONS

There are several different distributions of boundaries in the study area. On the one hand there are very specific concentrations of boundaries and boundary arrangements, especially on the upper areas close to farms, such as Fljótsheiði and Hvammsheiði. On the other hand more localised lower lying boundary development relates probably to specific individual farms. The boundaries in upper areas are more ambiguous than those that can be related to a farm, as they often lie some way from a farm or there are more than one farm in the vicinity. Although precise functions associated with these is difficult

to determine it is likely that they are part of an early system of dividing pasture areas into discrete blocks. As yet their date can only be speculated but they are possibly pre-1477 and may have related to the later Viking and earlier medieval land management systems that were in place in this region; limited excavation has been carried out in Tjörnes and Fljótsheiði which identified the V-1477 tephra deposit overlying the boundaries. The confluences of boundaries seen on Fljótheiði amongst others suggest that at some later date a new arrangement was created. This made direct use of the existing boundaries but created subtle differences in the layout and definition of space such as an alteration of a corner or a new alignment taking in a larger part of upland. Small scale, piecemeal and fragmented development is evident in most places within the study area.



Figure 21 Laxárdalur valley, taken in 2003

(Along the ridges and the sides of valley can be found boundaries. The centre of the image shows the power station and the lower lying farmland areas.)



Figure 22 Brún farm, Reykjadalur, taken in 2004

(In the foreground is the farm Brún from which extends a large and continuous boundary running along the higher heath area; a slight reflection from the plane window is seen in the foreground of the image.)

The types of boundaries that have been identified so far are have a specific form. They are either linears which run perpendicular to contours or follow them along ridges or hill crest. There are also curvi-linear boundaries that often form enclosures, perhaps around a few ruins or defining a piece of land. There are also a number of different forms, double ditched with a bank, one ditch and a bank as well as no ditches. As yet there has been no correlation between the form and the development of the boundaries. Some linear boundaries are continuous and completely subdivided landscape areas by joining onto natural features such as rivers at each end. Some stop in the middle of nowhere, whilst others are very fragmented and have perhaps been damaged by erosion.

FUTURE PLAN

The work in 2004 has mainly been concentrating on the methods and techniques. The next years work will be on the establishing more detailed mapping in specific areas and increasing the understanding of the boundaries and how they relate to the development of the landscape. For this focus areas will be drawn on and assessed in greater detail both from vertical contacts, obliques and in the field survey work. In some areas excavation across boundaries will take place in order to identify dates of construction, use and/or abandonment which can then be applied relatively to other boundaries. More detailed observation of the data sources and inspection in the field at the confluences of boundaries will be used to assess possible chronological relationships. The mapping and enhancement of the entire study area will continue as new sources such as oblique aerial photographs are investigated.

Alongside the detailed work on boundaries and continued enhancement, other material will be drawn on to understanding the boundaries in the wide context, in the landscape. The material will include landscape scale tephra analysis, as well as that used specifically for dating of individual boundaries; the existing programme of field survey and recording of archaeological sites; routes and trackways; land-use and vegetation mapping. At the end of the second year the model and theory building for the more detailed areas and begin to extrapolate these into the rest of the study area.

APPENDICES

Survey form

Boundary: Sheet 1

Samtala Isleif

Object ID

Area/district

GPS points

Description (for example starting and end point, type of profile [A,B,C, D or E], location in landscape, breaks, bends, junctions, cornes and cross rods):

Interpretation:

Measurements (length of boundary, max/min width and max/min height of boundary + ditches):

Threat assessment:

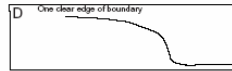
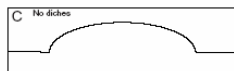
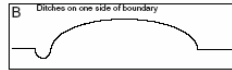
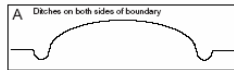
Other comments (possible areas for trenches, for introduction to the publich etc.):

Pictures

Surveyor and date

Boundary: Sheet 2

Types of profiles:



AP/Sketch

Events

EVENTS			
event_id	type	creator	date
1	AP MAPPING	ÁE	2000-2002
2	SATELLITE MAPPING	OA	01/07/2003
3	AP MAPPING	OH	2002
4	FIELD SURVEY	ÁE	2002
5	AP MAPPING	OA	01/07/2003
6	AP MAPPING	OA	14/05/2004
7	AP MAPPING	OA	02/06/2004
8	AP MAPPING	OA	07/06/2004
9	AP MAPPING	OA	10/06/2004
10	AP MAPPING	OA	04/07/2004
11	AP MAPPING	OA	05/07/2004
12	FIELD SURVEY	ÁE	28/05/2004
13	AP MAPPING	OA	06/07/2004
14	AP MAPPING	OA	09/07/2004
15	FLIGHT	ÁE	27/05/2004
16	FIELD SURVEY	EOH	01/08/2004
17	FIELD SURVEY	EOH	27/07/2004
18	AP MAPPING	BL	26/07/2004
19	FIELD SURVEY	EOH/BL	26/07/2004
20	AP MAPPING	EOH	29/07/2004

Data

DATA							
data_id	name	title	type	location	date	creator	notes
1	57142130210031258112A	IMAGERY.tif	DIGITAL IMAGE		20/12/2002	Istar	single band
2	57142130210031258132J	IMAGERY.tif	DIGITAL IMAGE		20/12/2002	Istar	multi band
3	2206	1_1	PHOTO CONTACT		02/09/1976	LMÍ	
4	2202	1_2	PHOTO CONTACT		02/09/1976	LMÍ	
5	2194	1_3	PHOTO CONTACT		02/09/1976	LMÍ	
6	2191	1_4	PHOTO CONTACT		02/09/1976	LMÍ	
7	2186	1_5	PHOTO		02/09/1976	LMÍ	

DATA							
data_id	name	title	type	location	date	creator	notes
			CONTACT		76		
8	2183	1_6	PHOTO CONTACT		02/09/19 76	LMÍ	
9	2093	2_1	PHOTO CONTACT		02/09/19 76	LMÍ	
10	2090	2_2	PHOTO CONTACT		02/09/19 76	LMÍ	
11	2085	2_3	PHOTO CONTACT		02/09/19 76	LMÍ	
12	2081	2_4	PHOTO CONTACT		02/09/19 76	LMÍ	
13	2076	2_5	PHOTO CONTACT		02/09/19 76	LMÍ	
14	2071	2_6	PHOTO CONTACT		02/09/19 76	LMÍ	
15	2067	2_7	PHOTO CONTACT		02/09/19 76	LMÍ	
16	2103	3_1	PHOTO CONTACT		02/09/19 76	LMÍ	
17	2107	3_2	PHOTO CONTACT		02/09/19 76	LMÍ	
18	2110	3_3	PHOTO CONTACT		02/09/19 76	LMÍ	
19	2114	3_4	PHOTO CONTACT		02/09/19 76	LMÍ	
20	2118	3_5	PHOTO CONTACT		02/09/19 76	LMÍ	
21	2122	3_6	PHOTO CONTACT		02/09/19 76	LMÍ	
22	2126	3_7	PHOTO CONTACT		02/09/19 76	LMÍ	
23	2130	3_8	PHOTO CONTACT		02/09/19 76	LMÍ	
24	2133	3_9	PHOTO CONTACT		02/09/19 76	LMÍ	
25	2228	4_1	PHOTO CONTACT		02/09/19 76	LMÍ	
26	2232	4_2	PHOTO CONTACT		02/09/19 76	LMÍ	
27	2238	4_3	PHOTO CONTACT		02/09/19 76	LMÍ	
28	2242	4_4	PHOTO CONTACT		02/09/19 76	LMÍ	
29	2246	4_5	PHOTO CONTACT		02/09/19 76	LMÍ	
30	2251	4_6	PHOTO		02/09/19	LMÍ	

DATA							
data_id	name	title	type	location	date	creator	notes
			CONTACT		76		
31	2255	4_7	PHOTO CONTACT		02/09/19 76	LMÍ	
32	2299	5_1	PHOTO CONTACT		02/09/19 76	LMÍ	
33	2295	5_2	PHOTO CONTACT		02/09/19 76	LMÍ	
34	2289	5_3	PHOTO CONTACT		02/09/19 76	LMÍ	
35	2284	5_4	PHOTO CONTACT		02/09/19 76	LMÍ	
36	2279	5_5	PHOTO CONTACT		02/09/19 76	LMÍ	
37	2274	5_6	PHOTO CONTACT		02/09/19 76	LMÍ	
38	2857	6_1	PHOTO CONTACT		10/09/19 76	LMÍ	
39	2864	6_2	PHOTO CONTACT		10/09/19 76	LMÍ	
40	2868	6_3	PHOTO CONTACT		10/09/19 76	LMÍ	
41	2873	6_4	PHOTO CONTACT		10/09/19 76	LMÍ	
42	2877	6_5	PHOTO CONTACT		10/09/19 76	LMÍ	
43	2908	7_1	PHOTO CONTACT		10/09/19 76	LMÍ	
44	2906	7_2	PHOTO CONTACT		10/09/19 76	LMÍ	
45	2902	7_3	PHOTO CONTACT		10/09/19 76	LMÍ	
46	2898	7_4	PHOTO CONTACT		10/09/19 76	LMÍ	
47	2895	7_5	PHOTO CONTACT		10/09/19 76	LMÍ	
48	2922	8_1	PHOTO CONTACT		10/09/19 76	LMÍ	
49	2925	8_2	PHOTO CONTACT		10/09/19 76	LMÍ	
50	2927	8_3	PHOTO CONTACT		10/09/19 76	LMÍ	
51	2930	8_4	PHOTO CONTACT		10/09/19 76	LMÍ	
52	2934	8_5	PHOTO CONTACT		10/09/19 76	LMÍ	
53	3051	9_1	PHOTO		10/09/19	LMÍ	

DATA							
data_id	name	title	type	location	date	creator	notes
			CONTACT		76		
54	3055	9_2	PHOTO CONTACT		10/09/1976	LMÍ	
55	3059	9_3	PHOTO CONTACT		10/09/1976	LMÍ	
56	3064	9_4	PHOTO CONTACT		10/09/1976	LMÍ	
57	3069	9_5	PHOTO CONTACT		10/09/1976	LMÍ	
58	3088	10_1	PHOTO CONTACT		10/09/1976	LMÍ	
59	3086	10_2	PHOTO CONTACT		10/09/1976	LMÍ	
60	3188	11_1	PHOTO CONTACT		10/09/1976	LMÍ	
61	3192	11_2	PHOTO CONTACT		10/09/1976	LMÍ	
62	3247	12_1	PHOTO CONTACT		10/09/1976	LMÍ	
63	3243	12_2	PHOTO CONTACT		10/09/1976	LMÍ	
64	3347	13_1	PHOTO CONTACT		10/09/1976	LMÍ	
65	3352	13_2	PHOTO CONTACT		10/09/1976	LMÍ	
66	3356	13_3	PHOTO CONTACT		10/09/1976	LMÍ	
67	4449		PHOTO CONTACT		25/07/1990	LMÍ	used in LML project 2003
68	UTM field survey data		DIGITAL DATA			ÁE	field survey data set
69	4451		PHOTO CONTACT		25/07/1990	LMÍ	used in LML project 2003
70	1783		PHOTO CONTACT		17/08/1992	LMÍ	used in LML project 2003
71	4453		PHOTO CONTACT		25/07/1990	LMÍ	used in LML project 2003
72	5714212021003125	IMAGERY.tif	DIGITAL		20/12/20	Istar	single

DATA							
data_id	name	title	type	location	date	creator	notes
	8032B		IMAGE		02		band
73	57142120210031258062J	IMAGERY.tif	DIGITAL IMAGE		19/12/2002	Istar	multi band
74	UTM field survey; event 12		DIGITAL DATA		28/05/2004	ÁE	field survey data set
75	FL270504	Flight_270504	DIGITAL DATA		27/05/2004	ÁE	flight gps record
76	Tjörnes survey_1	Archive_9/7/04_1	PAPER ARCHIVE			OH	sheet 1; same as sheet 2
77	Tjörnes survey_3	Archive_9/7/04_3	PAPER ARCHIVE			OH	sheet 3
78	Tjörnes survey_4	Archive_9/7/04_4	PAPER ARCHIVE			OH	sheet 4
79	AP coverage Husavík	Husavík_seamless.TAB	DIGITAL IMAGE				
80	AP coverage Láxa	Laxárvirkjun_seamless.TAB	DIGITAL IMAGE				
81	AP coverage Reykjahreppur	Reykjahreppur_seamless.TAB	DIGITAL IMAGE				
82	AP coverage Mývatn	Mývatn_seamless.TAB	DIGITAL IMAGE		23/10/2001	Loftmyn dir	
83	WGS84 field survey gps	EVENT_010804.mps	DIGITAL DATA		01/08/2004	EOH	Survey 2003
84	WGS84 field survey gps	EVENT_020804.mps	DIGITAL DATA		02/08/2004	BL	Survey 2003
85	WGS84 field survey gps	EVENT_unnsteinn.TAB	DIGITAL DATA		29/07/2004	EOH	Survey 2004
86	AP coverage Narfastaðir	narfastadir.TAB	DIGITAL DATA			Isgraf	
87	Correction of data - confidence		PAPER ARCHIVE		26/07/2004	BL	
88	Correction of data - additions and confidence		PAPER ARCHIVE		26/07/2004	BL/EOH	
89	AP mapping report		PAPER ARCHIVE		29/07/2004	EOH	mapping assessment based on survey
90	Raufarhóll, Vindbelgur, Mývatn	10003604/1000008.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	cropmarks, possible skáli
91	Raufarhóll, Vindbelgur, Mývatn	10003604/1000009.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	cropmarks,

DATA							
data_id	name	title	type	location	date	creator	notes
							possible skáli
92	Raufarhóll, Vindbelgur, Mývatn	10003604/1000010.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	kuml and horse burial (near sheep, lower right corner)
93	Neslandatangi	10003604/1000015.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	water meadow ditches
94	Neslandatangi	10003604/1000016.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	water meadow ditches
95	Hliðarrétt	10003604/1000018.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	rétt
96	Reykjahlíð	10003604/1000025.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	ruin and stone wall
97	Laugar in Reykjadalur	10003605/1000001.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	view nne, boundary on west slope
98	Laugar in Reykjadalur	10003605/1000002.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	view nne, boundary on west slope
99	Laugar in Reykjadalur	10003605/1000003.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	view nne, boundary on west slope, charcoal pits
100	Laugar in Reykjadalur	10003605/1000004.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	view w, boundary on slope, lower lying
101	Across Reykjadalsá, opposite	10003605/1000005.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	ruins on river

DATA							
data_id	name	title	type	location	date	creator	notes
	Höskuldsstaðir						bank, double boundary
102	Across Reykjadalssá, opposite Höskuldsstaðir	10003605/1000006.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	
103	Across Reykjadalssá, opposite Höskuldsstaðir	10003605/1000007.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	
104	Múlaheiði, close to Múlavatn	10003605/1000008.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	
105	Laxá, Grenjaðarstaður	10003605/1000010.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	dam early 20th century
106	Preshvammur (Aðaldalur)	10003605/1000013.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	view ese, homefield
107	Preshvammur	10003605/1000014.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	view ese, homefield
108	Hvamssheiði, above Hvammar	10003605/1000015.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	cross contour boundary, double boundary
109	Hvamssheiði, above Hvammar	10003605/1000016.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	
110	Hvamssheiði, above Hvammar	10003605/1000017.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	
111	Hvamssheiði, above Hvammar	10003605/1000018.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	
112	Hvamssheiði, above Hvammar	10003605/1000019.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	
113	Hvamssheiði, above Daufhylur	10003605/1000020.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	
114	Hvamssheiði, above Daufhylur	10003605/1000021.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	
115	Hvamssheiði, above Jarlsstaðir	10003605/1000022.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	view w
116	Hvamssheiði, above Jarlsstaðir	10003605/1000023.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	view w
117	Hvamssheiði, above Tjörn	10003605/1000024.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	view w

DATA							
data_id	name	title	type	location	date	creator	notes
118	Hvammsheiði, above Tjörn	10003605/1000025 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	view w
119	Hvammsheiði, above Árbót	10003605/1000026 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	view w
120	Hvammsheiði, above Árbót	10003605/1000027 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	view w
121	Árbót	10003605/1000028 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
122	Árbót	10003605/1000029 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
123	Höfðagerði	10003605/1000030 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
124	Höfðagerði	10003605/1000031 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
125	Höfðagerði	10003605/1000032 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
126	Höfðagerði	10003605/1000033 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
127	Höfðagerði	10003605/1000034 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
128	Höfðagerði	10003605/1000035 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
129	Höfðagerði	10103604/1010001 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
130	Höfðagerði	10103604/1010002 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
131	Höfðagerði	10103604/1010003 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
132	Núpar	10103604/1010004 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
133	Hvammsheiði, above Núpar	10103604/1010005 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
134	Hvammsheiði, above Núpar	10103604/1010006 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
135	Hvammsheiði, above Núpar	10103604/1010007 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
136	Hvammsheiði, above Núpar	10103604/1010008 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
137	Hvammsheiði, above Núpar	10103604/1010009 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
138	Hvammsheiði, above Núpar	10103604/1010010 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
139	Hvammsheiði, above Núpar	10103604/1010011 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
140	Hvammsheiði, above Núpar	10103604/1010012 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	

DATA							
data_id	name	title	type	location	date	creator	notes
141	Hvamssheiði, above Núpar	10103604/1010013 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
142	Hvamssheiði, above Núpar	10103604/1010014 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
143	Hvamssheiði, above Núpar	10103604/1010015 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
144	Núpar	10103604/1010016 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
145	Reykjahverfi	10103604/1010017 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
146	Reykjahverfi	10103604/1010018 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
147	Reykjahverfi	10103604/1010019 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
148	Laxamýri	10103604/1010020 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
149	Laxamýri (north)	10103604/1010021 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
150	Saltvík	10103604/1010022 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
151	Saltvík	10103604/1010024 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
152	Saltvík	10103604/1010025 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
153	Saltvík	10103604/1010026 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
154	Saltvík	10103604/1010027 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
155	Saltvík	10103604/1010028 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
156	Saltvík	10103604/1010029 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
157	Saltvík	10103604/1010030 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
158	Saltvík	10103604/1010031 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
159	Saltvík	10103604/1010032 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
160	Saltvík	10103604/1010033 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
161	Saltvík	10103604/1010034 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
162	Saltvík	10103604/1010035 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	
163	Saltvík	10103604/1010036 .jpeg	DIGITAL IMAGE		23/05/20 04	ÁE	

DATA							
data_id	name	title	type	location	date	creator	notes
164	Lake Kringluvatn, east of Kasthvammur	10103605/1010001.jpeg	DIGITAL IMAGE		23/05/2004	ÁE	
165	Halldórsstaðir	10103605/1010002.jpeg					
166	Þverá	10103605/1010004.jpeg					
167	Þverá	10103605/1010005.jpeg					
168	Auðnir	10103605/1010006.jpeg					
169	Auðnir	10103605/1010007.jpeg					
170	Auðnir	10103605/1010008.jpeg					
171	Mánahjall	10103605/1010010.jpeg					
172	Ljótsstaðir	10103605/1010011.jpeg					
173	Varastaðaskógur	10103605/1010012.jpeg					
174	Brettingsstaðir and Varastaðaskógur	10103605/1010013.jpeg					
175	Brettingsstaðir	10103605/1010014.jpeg					
176	Brettingsstaðir	10103605/1010015.jpeg					
177	Brettingsstaðir	10103605/1010018.jpeg					
178	Laxárdalur, south of Brettingsstaðir	10103605/1010020.jpeg					
179	Laxárdalur, south of Brettingsstaðir	10103605/1010021.jpeg					
180	Laxárdalur, south of Brettingsstaðir	10103605/1010022.jpeg					
181	Laxárdalur, south of Brettingsstaðir	10103605/1010023.jpeg					
182	Beinisstaðir	10103605/1010024.jpeg					
183	Hofstaðir	10103605/1010028.jpeg					
184	Hofstaðir	10103605/1010032.jpeg					
185	Húsavík	10203604/1020001.jpeg					
186	Húsavík	10203604/1020002.jpeg					

DATA							
data_id	name	title	type	location	date	creator	notes
		.jpeg					
187	Húsavík	10203604/1020005.jpeg					

Objects

OBJECT_ID	CONFIDENCE	MINX	MAXX	MINY	MAXY	CENTROIDX	CENTROIDY	OBJECT_LENGTH (m)
1	2	573055.13 5276662	574577.59 3913365	599943.48 7459578	600376.02 4289516	574009.16 2019211	600254.92 1866542	1476
2	2	573212.52 8979485	573265.58 5252742	600482.33 4071247	600798.30 4888192	573257.30 1373646	600589.82 7264278	321
3	2	573254.14 5610181	573269.72 719229	600277.01 2210798	600429.27 779799	573264.99 3547092	600325.53 2074074	153
4	2	573268.74 1016207	573271.89 6779672	600018.23 9606658	600244.66 563528	573269.72 719229	600093.58 3459388	226
5	2	573271.89 6779672	573493.98 363353	599803.45 0455813	600018.23 9606658	573403.25 5433908	599927.51 1407036	313
6	2	573091.42 6556511	573412.72 2724303	599904.63 2121913	599912.91 6001009	573309.37 147082	599908.97 1296678	320
7	2	571947.85 6770838	574799.28 629679	601366.93 4017563	602205.77 5393636	573255.72 3491913	601964.75 3958987	2992
8	2	573309.37 147082	573317.85 2585133	601981.12 4481962	602303.20 9590621	573314.49 9586451	602081.12 2736763	322
9	2	572950.60 061188	572977.81 9071766	601849.76 5827727	602024.91 0700041	572970.91 5839186	601984.67 4715861	181
10	2	571790.26 5832798	572915.68 9978547	602650.34 3571784	602860.39 9077431	572270.53 3585146	602805.37 0452008	1208
11	2	572912.13 9744648	572999.71 2180806	602633.18 4107943	602649.94 9101351	572969.53 519267	602641.66 5222255	89
12	1	570958.32 7689306	571417.29 4038264	604062.35 0487209	604094.69 7062726	571137.41 7265952	604066.29 519154	423
13	2	571905.05 6728842	571998.94 0691929	604094.49 982751	604104.95 3293988	571963.43 8352947	604102.78 3706606	94
14	1	572148.24 7750873	574377.20 293333	604914.40 6622791	606112.21 6093021	573069.13 8977038	605752.65 6293214	2488
15	1	573219.43 2212065	574132.63 1264784	607053.22 5311276	607154.01 2506944	573793.18 9457067	607086.75 5298093	920
16	2	574099.29 8513183	574128.48 9325236	607281.22 9221631	607295.43 0157224	574113.89 3919209	607288.32 9689428	32
17	1	573972.67 3504145	574148.21 2846893	606997.40 7744987	607292.86 6099409	573992.79 1496236	607106.28 1584534	456
18	1	574022.17	574129.67	607120.48	607270.18	574053.53	607242.17	222

OBJE CT_ID	CONFID ENCE	MINX	MAXX	MINY	MAXY	CENTROI DX	CENTROI DY	OBJEC TLEN (m)
		9543504	2736535	2520127	4049504	9942939	6648751	
19	2	567906.50 7183318	568627.99 3605532	568040.09 9473731	568192.36 5060923	568117.15 4394615	568094.33 9158287	736
20	3	568635.88 3014194	568714.97 4336039	566588.64 5514992	566660.43 9133823	568713.00 1983873	566620.99 2090509	245
21	2	566929.00 9449997	567195.86 8698017	571972.96 9692136	572337.85 4842791	567035.31 9231729	572337.85 4842791	559
22	3	566934.13 7565628	567012.43 9946607	571958.96 599176	572203.93 213074	566942.61 8679941	572077.89 8827352	239
23	2	567667.26 0865619	567956.01 3222678	570090.95 1255625	570252.48 6897996	567852.85 9204411	570168.07 0225304	347
24	2	572430.09 6875351	573342.30 9751988	566755.90 0978643	566944.65 5080901	572961.84 3019224	566937.35 7377888	1013
25	1	572898.33 3279488	573075.45 0503968	570095.68 4900823	570347.94 8742816	573041.13 1576285	570119.55 0362028	725
26	2	573788.65 3047085	573923.16 7464786	573170.97 6397582	573492.27 2565375	573879.97 2952357	573373.33 9729783	478
27	3	573480.17 716837	573710.54 7901324	573438.03 2880818	574209.61 704804	573595.36 2534847	573763.86 5458592	807
28	2	573710.54 7901324	573788.65 3047085	573170.97 6397582	573438.03 2880818	573757.48 9882867	573236.65 57247	279
29	2	573788.65 3047085	573902.26 053183	572708.06 5344293	573170.97 6397582	573858.47 4313751	572877.88 4865759	482
30	2	573902.26 053183	574005.61 1785313	572708.06 5344293	572759.14 9265384	573974.25 1385878	572748.69 5798906	116
31	2	573957.68 3627686	574112.90 7743127	572310.83 3618121	572937.44 9901164	574102.45 4276648	572433.90 839326	654
32	2	573618.63 6290402	573844.86 5083808	566541.11 1827799	566715.27 052403	573783.52 4931455	566715.27 052403	391
33	2	577149.14 6667005	577605.94 3428581	573234.09 1666885	573455.19 234466	577342.04 2708811	573334.28 7156902	529
34	2	577275.37 720561	577543.41 9864929	570947.93 8271622	571168.05 2773314	577530.79 6811068	571143.00 390081	819
35	2	578463.91 6620661	579121.89 3303138	572296.63 2682528	572324.83 7318497	578815.38 9776589	572324.83 7318497	658
36	2	577830.19 9869821	578233.54 5887707	572298.80 226991	572370.79 3123958	577982.26 8221797	572363.49 5420945	412
37	1	579691.70 5843809	579818.72 532328	572290.91 2861247	572535.48 4529794	579770.59 9930437	572392.09 4527348	519
38	2	581352.22 9132112	581423.62 828051	573894.43 5171961	574037.43 0703974	581398.38 2172789	573975.49 8845972	162
39	1	579218.93 3029691	579491.51 209899	573661.50 0381192	574162.47 783128	579301.57 4585434	573958.53 6617346	573
40	2	581788.51 3431165	582044.13 0271839	571365.87 9695534	571406.31 2914931	581949.26 0132669	571406.31 2914931	264
41	2	582482.18	582720.05	571381.06	571413.01	582629.72	571388.56	241

OBJE CT_ID	CONFID ENCE	MINX	MAXX	MINY	MAXY	CENTROI DX	CENTROI DY	OBJEC TLEN (m)
		9687841	5359025	680721	8912294	1629836	1745439	
43	2	584200.10 8424166	584293.99 2387253	571346.55 064431	571369.23 2694215	584249.81 1698742	571356.01 7934705	97
43	1	583295.58 7720976	583579.40 919762	571365.09 0754668	571369.82 4399865	583455.34 8246398	571366.86 5871617	283
44	1	584309.17 9498929	584466.96 7672185	571310.85 1070111	571346.55 064431	584391.82 1054672	571332.54 6943933	162
45	1	584134.23 1861832	584408.78 3283297	569478.33 8672959	569511.07 971891	584216.08 4476708	569508.31 8425878	278
46	1	584145.47 4269176	584474.65 9845632	569774.38 8733031	570005.74 5642067	584177.42 6374261	569989.76 9589525	519
47	1	584445.46 9033579	584586.49 2213427	568875.19 3380688	568919.37 40692	584555.52 6284425	568883.67 4495	147
48	2	584550.79 2639228	584973.86 217877	572213.20 2185919	572269.61 1457858	584761.24 2615308	572217.93 5831116	429
48	1	584586.49 2213427	584829.28 8765024	568860.20 3504229	569663.93 7011751	584799.11 1776889	568973.02 2048107	1040
49	2	585032.83 5508525	585062.61 8026227	572286.96 8156916	572291.89 903733	585047.62 8149767	572289.53 2214731	30
50	1	585194.76 5621329	586457.46 547781	572097.03 0643359	572297.42 1623394	585832.22 9841283	572194.85 9310778	1279
51	1	585171.29 4630557	585313.30 3986487	569752.69 2859208	572286.96 8156916	585296.53 8993079	569959.98 7071823	1678
52	1	583737.59 1841309	584360.06 6184804	572790.11 5194386	573391.87 9840141	584073.68 0650345	572882.61 8510957	979
53	1	584726.33 1981975	585034.61 0625474	572734.10 039288	573990.48 8722431	584899.11 003169	573478.26 8864999	1390
54	1	584998.91 1051275	585030.86 3156359	572506.29 3717742	572619.70 3967269	585014.88 7103817	572569.60 6222261	118
55	2	584132.85 1215316	584448.82 2032261	567373.44 4441724	567564.76 2601797	584283.34 1685559	567386.06 7495584	417
56	2	584508.97 8773315	584747.23 8914931	572480.45 5904371	572734.88 9333746	584740.53 2917568	572580.84 8629605	584
57	2	563083.51 4432532	564156.27 6775456	576634.62 4035768	577361.23 8573612	564148.19 0131577	576671.90 14917	1839
58	2	565397.08 3522898	565716.99 9044175	574850.82 8737109	575381.39 1469682	565705.55 9401614	574913.74 6771195	848
60	2	568622.07 6549034	568843.96 6167676	577235.59 9740657	578696.91 5460224	568727.59 7389899	577759.45 6475867	1507
61	2	572232.07 2717915	572490.64 8086838	577872.47 2254962	578025.52 678302	572355.73 9198704	578021.58 2078689	362
62	1	573557.09 8902832	573818.83 0035221	576474.66 627513	576792.01 7738591	573818.83 0035221	576554.34 9302624	939
63	2	573188.46 6283063	573621.20 0348218	577859.45 4730668	578017.24 2903924	573351.57 9807166	577923.16 170562	460
64	1	573669.52	573991.60	576552.96	578030.26	573904.43	576935.99	1414

OBJE CT_ID	CONFID ENCE	MINX	MAXX	MINY	MAXY	CENTROI DX	CENTROI DY	OBJEC TLEN (m)
		2976277	8084936	8656108	0428218	0119212	9446687	
65	1	576737.51 6770024	577412.85 0151559	576448.23 675611	576860.06 3888308	577179.52 0890357	576852.56 8950078	961
66	1	575667.51 5720131	575957.64 8723706	576165.79 5925981	576460.26 810432	575675.60 2364011	576384.72 7016374	865
67	1	575902.22 562785	576192.16 1396208	575670.34 1061958	575895.58 367928	576063.56 4035004	575783.75 1311485	370
68	2	576970.05 709036	577137.31 2554011	576065.79 767118	576413.52 3357993	577079.12 8165123	576366.58 137645	456
69	3	577507.72 0290729	577795.48 6471705	575742.33 1916006	576257.51 0301686	577738.87 9964549	575850.61 4049903	589
70	3	577543.41 9864929	577684.64 0279993	575650.02 5834651	575885.13 0212802	577635.72 5946283	575734.63 9742559	273
71	2	575027.48 7442362	575177.97 7912605	578752.73 3026513	578963.38 023781	575096.12 5297728	578752.73 3026513	573
72	1	575311.70 3389439	575482.70 6322205	576246.66 2364775	576970.31 837437	575328.46 8382847	576500.30 6853284	791
73	1	575461.60 2154032	575738.32 316288	576217.66 8787939	576368.75 0963832	575485.27 0380021	576238.97 0191329	315
74	2	583141.34 9781618	583643.51 0643006	574522.82 6571953	574611.18 7948977	583292.62 9192727	574530.32 1510183	511
75	3	584220.62 0886689	584628.70 0549773	573735.85 8057839	574223.02 9042767	584621.20 5611543	574096.99 5739379	1003
76	1	583828.91 1746581	584698.52 1816439	574250.24 7502654	576727.12 735234	584433.63 4920585	576119.44 5650087	2756
77	1	583688.48 0272384	583913.72 2889706	575882.36 891977	576150.60 8814306	583879.40 3962023	576030.88 7037847	788
78	1	580593.26 801875	581740.38 8038322	580222.72 709561	581115.61 0921022	581310.02 0795766	580455.07 0180729	2087
79	2	581367.41 6243788	582090.28 3312517	578061.02 9122003	580222.72 709561	581725.98 9867512	579268.30 5882627	2369
80	2	583383.94 9097999	583837.98 4566544	578515.65 6296196	578961.99 9591294	583797.74 8582363	578555.89 2280377	862
81	3	564309.72 5773948	564385.46 4097111	579034.38 4915775	579242.07 3598824	564372.64 3808034	579067.71 7667376	220
82	2	564603.40 9011421	564958.62 9636463	579394.73 3656449	579728.06 1172452	564780.92 0706334	579561.39 7414451	485
83	3	565561.38 0458301	565636.92 1546247	579203.61 2731592	579310.11 974854	565599.05 2384666	579256.86 6240066	130
84	2	565397.28 0758115	566065.31 6436637	580359.60 8335909	580777.54 9759821	565735.73 6389749	580650.53 028035	1039
85	3	565083.08 5058119	565145.80 5856988	581691.14 3282973	582043.79 9850201	565135.54 9625727	581843.21 1634949	364
86	3	567280.87 7076358	567434.72 0545283	583208.67 1039263	583438.25 283135	567315.39 3239258	583368.43 1564685	268
87	3	567219.33	567256.41	583266.46	583339.43	567221.90	583310.04	96

OBJE CT_ID	CONFID ENCE	MINX	MAXX	MINY	MAXY	CENTROI DX	CENTROI DY	OBJEC TLEN (m)
		9688789	9909504	0957718	7987849	3746604	994058	
88	2	567395.66 7972402	567694.28 2090289	584112.99 4507236	584496.41 9768248	567428.21 1783136	584336.06 7537177	748
89	1	566767.27 657241	567266.08 4435116	585345.71 4610799	585563.85 6760325	566961.55 3260732	585404.68 7940553	565
90	2	566732.56 3174294	567605.72 3478049	583619.31 4760162	584025.61 9306296	567082.65 5683706	583857.77 2136995	960
91	2	569783.20 0268982	570039.60 6050523	584264.07 6683129	585307.84 5449217	570019.09 3588	584843.75 0984628	1107
92	2	569852.42 9829998	569996.01 7067661	584761.70 1134535	584820.67 446429	569926.78 7506645	584782.21 3597058	156
93	2	570075.50 2859939	570280.62 7485172	584651.44 6648472	584692.47 1573519	570165.24 4883478	584651.44 6648472	217
94	1	570991.66 0440906	571714.13 3039202	583990.11 6967313	586555.94 9899672	571025.97 936859	585921.64 1443183	3179
95	1	570868.78 2900983	571260.68 9276308	586445.69 541361	587822.39 7225268	571016.51 2078194	587270.73 0324522	1434
96	2	569549.47 6537346	570407.84 4199859	584712.58 9565609	586251.61 5960505	570324.41 370325	585922.62 7619266	2199
97	2	570406.46 3553343	572271.12 5290796	584902.52 7079166	585131.12 2695171	571022.42 9134691	584948.08 8414194	1791
98	2	570681.40 9445242	571171.93 3428851	587797.54 5587981	587857.11 0623385	570861.48 519797	587822.00 2754835	503
99	1	572167.57 6802097	572537.19 5597949	585633.08 6321341	586303.09 435203	572251.20 4533922	586015.52 5406271	876
100	1	571839.57 4636941	572567.96 4291734	587130.89 0555974	587381.18 2045801	572014.71 9509255	587339.56 5415105	837
101	2	571820.04 83505	572106.43 388496	587105.64 4448253	587180.19 9360116	571895.19 4968014	587139.56 8905503	267
102	1	571968.96 0939011	572039.57 1146543	587030.30 0595523	587162.05 3720192	571985.72 5932419	587044.10 7060683	335
103	2	571934.83 9246544	571983.55 6345037	587339.56 5415105	587443.70 5609454	571952.39 3180819	587390.64 9336197	115
104	1	571437.21 4795138	572425.36 3230154	588042.90 6197394	588636.58 4199269	571917.67 9782702	588368.73 8775167	1189
105	2	571707.82 1512272	571736.02 6148241	588224.16 5361421	588443.29 3687031	571709.99 1099654	588347.43 7371778	228
106	2	571758.11 6492497	571869.94 8860293	588307.59 5858031	588322.58 573449	571823.20 4113965	588318.24 6559725	114
107	2	572821.01 7074593	573213.71 2390784	581863.13 2391822	582049.12 5201048	573037.18 6871954	581946.56 2888431	433
108	1	572249.03 494654	572274.47 8289478	585105.28 48818	585373.91 9246768	572271.51 9761229	585213.96 148613	271
109	1	574363.79 0938604	574460.83 0665156	581751.89 1729677	581917.76 6546812	574396.33 4749338	581751.89 1729677	406
110	1	574339.13	574414.28	581740.45	581846.17	574379.76	581748.53	164

OBJE CT_ID	CONFID ENCE	MINX	MAXX	MINY	MAXY	CENTROI DX	CENTROI DY	OBJEC TLEN (m)
		6536532	3154046	2087116	0163197	6991146	8730995	
111	1	574186.67 3714124	574434.40 1146136	581458.80 0197854	581743.60 7850581	574259.84 7979471	581572.21 0447382	398
112	1	574220.99 2641807	574464.38 0899054	580815.22 1686186	581755.83 6434008	574458.85 831299	581418.76 144889	1034
113	2	573557.88 7843699	574537.94 9634835	580138.31 0422918	580463.35 4059825	574079.37 775631	580356.05 8102011	1045
114	2	574412.50 8037096	574439.33 202655	580808.91 0159256	581442.03 5204445	574432.03 4323537	581129.41 7386182	634
115	2	574506.19 4764967	574682.52 3048581	580058.03 5689774	580496.68 6811425	574595.14 784764	580269.47 1841937	476
116	1	581412.97 7578815	581481.81 2669398	581368.07 1998232	581404.56 0513297	581465.24 4911207	581395.48 7693335	79
117	1	580858.35 2149821	581203.11 9308385	581357.61 8531753	581813.82 358768	580979.06 0102361	581609.88 2373746	655
118	1	580524.43 2928168	580824.42 7692571	581543.21 6870546	582195.67 0966959	580673.93 7222328	581764.71 2018754	727
119	1	580453.42 8250202	580599.97 4016114	582195.67 0966959	582338.07 4793323	580470.78 4949261	582234.32 9069407	273
120	1	580569.40 2557546	580634.49 0179014	582039.26 3440219	582228.60 9248127	580595.43 7606133	582135.11 9755472	200
121	2	580385.57 9335702	580602.34 0838713	582514.00 8606503	582975.93 348371	580390.70 7451333	582660.15 9901982	602
122	2	579153.25 3702573	579905.31 1583354	584043.76 494622	584603.32 1255629	579155.42 3289955	584404.31 092211	919
123	1	571025.38 766294	571260.68 9276308	585825.39 0657497	586445.69 541361	571172.13 0664068	586102.90 0607211	669
124	1	570896.79 0301736	570924.60 0467273	586338.39 9455796	586381.59 3968224	570897.57 9242602	586357.33 4036586	98
125	1	570671.94 2154846	571198.36 2947872	587822.39 7225268	588681.55 3828647	570684.56 5208707	588240.53 5884397	1145
126	1	570039.60 6050523	570425.79 2604567	588734.41 2866688	591166.32 3086996	570044.73 4166154	589948.39 5624676	2565
127	1	571324.79 0721693	571468.18 0724139	590967.11 551826	591159.81 4324849	571336.23 0364254	591118.19 7694153	441
128	3	568604.91 7085193	569155.99 2280289	590472.25 2359886	590923.72 3770615	568839.03 5287261	590922.14 5888882	798
129	2	569290.30 9462773	569520.08 8490078	585314.94 5917014	585485.75 1614564	569509.63 5023599	585325.20 2148276	689
130	3	573679.97 6442755	574669.30 8289071	591174.60 6966092	591304.19 0503379	574020.60 1661772	591219.57 659547	966
131	2	574293.77 2436721	574485.28 7832011	590905.18 3660257	591218.78 7654604	574391.60 110414	591034.76 7197544	369
132	2	573548.81 5023736	574039.14 1772129	590422.35 1850094	590615.05 0656683	573812.32 1273074	590523.13 9045761	528
133	2	574993.16	575520.18	590277.97	590310.32	575252.33	590279.55	527

OBJE CT_ID	CONFID ENCE	MINX	MAXX	MINY	MAXY	CENTROI DX	CENTROI DY	OBJEC TLEN (m)
		8514678	1013354	5671565	2247082	5589251	3553297	
134	3	575040.30 7731439	575150.75 9452718	589437.35 9178544	590270.67 7968552	575047.60 5434452	589823.15 1262154	804
135	3	575392.17 53578	575433.39 7518063	589069.31 8264424	589402.05 4074778	575414.26 5702055	589232.62 9023744	322
136	2	575178.56 9618254	575997.29 3002236	587005.05 4487802	587094.99 3746558	575305.19 4627292	587013.93 0072548	760
137	2	575158.05 7155731	575286.06 2811285	587097.95 2274807	588210.95 0601911	575284.48 4929552	587998.92 2744098	1081
138	2	575283.10 4283036	575536.35 4301112	588084.32 5592873	588134.42 3337882	575421.56 3405069	588085.11 453374	265
139	2	575284.68 2164769	575661.59 8663634	587949.02 2234306	587950.40 2880822	575540.89 0711093	587949.02 2234306	375
140	3	575347.99 4669288	575666.72 6779265	588576.03 2987782	588739.54 0982319	575582.70 4577006	588735.99 0748421	374
141	2	578777.52 0615007	579077.90 9849843	586620.84 0285924	586996.17 8903057	578779.69 0202389	586705.45 4193832	680
142	2	578371.01 8833656	578394.48 9824428	589779.95 6749726	589879.56 0534093	578382.65 5711434	589829.85 7259518	102
143	3	565647.76 9483159	565732.97 5096717	594534.11 4409929	595544.35 31892	565666.70 406395	595326.60 5510107	804
144	2	568904.12 2908729	569149.68 0753359	594984.00 7938925	595018.32 6866608	569030.94 5152984	595002.15 357885	247
145	3	569098.99 1302701	570677.07 0270477	595404.71 0655869	595813.38 2024602	570016.92 4000617	595658.35 5144378	1634
146	2	570677.07 0270477	571119.86 3331677	594690.12 7466236	595809.24 0085054	571037.22 1775934	594849.29 6286008	1208
147	2	568977.09 993886	569248.89 0067294	593889.94 4192611	594069.23 1004473	569068.61 7079349	593927.22 1648543	339
148	2	568479.47 5487454	568644.16 689329	593721.89 9788094	593735.90 348847	568604.91 7085193	593727.02 7903724	169
149	1	568587.95 4856568	569636.06 2797421	592511.07 279357	593017.17 8359289	569202.34 2556183	592647.55 9563437	1065
150	2	569413.97 5943563	569644.54 3911733	588309.37 097498	589038.54 9570639	569643.55 773565	588688.65 4296444	803
151	3	569273.74 1704582	569601.94 1104954	591282.69 1864772	591737.91 0744616	569360.91 9670306	591532.19 4413733	583
152	2	569724.62 1409661	570098.57 9380277	592593.91 158453	592861.95 4243848	569851.44 3653915	592666.69 1379444	663
153	3	569458.55 1102508	569604.11 0692336	593408.29 5793747	593757.40 2127076	569523.04 7018326	593551.68 5796194	379
154	3	569368.80 9078968	569506.87 3730567	593571.60 6553067	593676.53 5688283	569370.78 1431134	593595.47 2014272	350
155	1	570448.67 1889689	570623.02 7821137	591238.11 6705828	592338.88 6449505	570598.37 3419066	591752.70 3385859	1140
156	3	570577.07	570993.63	593271.41	593373.18	570781.21	593307.70	429

OBJE CT_ID	CONFID ENCE	MINX	MAXX	MINY	MAXY	CENTROI DX	CENTROI DY	OBJEC TLEN (m)
		2015676	2793072	4553448	7925198	0464826	5833297	
157	2	570257.15 64944	571131.89 4679888	594071.40 0591856	594156.60 6205414	570717.89 7960307	594107.88 9106921	880
158	3	570045.12 8636587	570273.72 4252592	594406.89 7695241	594506.50 1479609	570192.66 0578581	594458.77 0557199	250
159	3	570375.89 2094775	570671.94 2154846	592634.34 4803927	592748.74 1229537	570564.05 4491383	592707.12 4598841	326
160	2	570160.51 123828	570602.12 0888181	592317.58 5046115	592337.30 8567772	570447.09 4007957	592331.78 5981708	440
161	2	570208.83 386634	570510.99 8218125	591533.18 0589816	591684.85 4471359	570366.62 2039596	591562.37 1401869	348
162	2	569934.87 4150524	570402.51 8849012	590647.98 893785	590840.29 3274006	570146.90 2008337	590744.63 4193969	508
163	2	569638.82 4090453	570073.13 603734	590894.13 848813	591742.05 2684164	569819.68 8784047	591503.00 3601681	1045
164	2	569834.28 4190074	569871.56 1646005	591706.74 7580398	591879.13 115968	569840.39 8481787	591745.20 8447629	187
165	2	569844.54 0421335	570118.89 4607584	592055.65 667851	592261.37 3009393	569958.93 6846946	592155.45 7698095	343
166	1	571274.10 1271035	571610.78 178572	592311.47 0754402	592379.91 1374551	571362.46 2648058	592368.47 173199	343
167	3	571039.39 1363316	571274.10 1271035	591419.96 7575505	592379.91 1374551	571157.73 2493258	591948.95 2426346	1031
168	2	573957.48 6392469	574557.67 3156492	591945.99 3898097	592082.28 3432747	574294.95 5848021	591991.35 7997908	619
169	2	574612.89 9017132	574788.63 5595095	592285.63 2941031	592378.33 3492819	574697.90 7395473	592360.58 2323328	209
170	2	577011.47 6485839	577990.74 9336109	593955.22 9049296	594119.13 1514266	577734.14 6319352	594077.71 2118786	908
171	2	577074.78 8990358	577671.03 1050049	594071.59 7827072	594579.28 1274523	577564.32 6797885	594222.68 0002965	423
172	3	577531.78 2987151	577760.77 3073589	592424.68 3768713	593360.36 7636121	577610.87 4308996	592594.50 329018	834
173	2	577186.22 688772	577322.51 642237	593196.66 2406368	593474.96 1296948	577300.82 0548548	593273.58 414083	352
174	2	577050.13 4588287	577225.87 1166251	593579.69 3196947	593680.28 3157397	577154.66 9253069	593672.39 3748735	224
175	2	568787.95 136617	568991.30 0874453	598593.21 516694	598626.94 2388973	568934.89 1602514	598602.09 0751685	205
176	3	569113.58 6708727	569137.45 2169932	598806.42 6436052	598942.71 5970702	569123.44 8469555	598842.12 6010251	139
177	2	568683.21 9466171	568750.47 6675021	597914.33 1551506	597926.16 56645	568723.65 2685568	597921.23 4784086	68
178	1	569364.27 2668987	570043.74 7990071	597115.52 8924397	597909.40 0671091	569571.17 2411169	597328.14 848786	1517
179	3	570212.58	570290.09	597814.33	598023.59	570239.01	597905.06	223

OBJE CT_ID	CONFID ENCE	MINX	MAXX	MINY	MAXY	CENTROI DX	CENTROI DY	OBJEC TLEN (m)
		1335455	4775567	3296705	9861485	0854475	1496327	
180	2	570727.56 2485919	570960.69 4511905	596486.54 5818755	596790.48 528749	570901.12 9476501	596715.33 8669977	471
181	2	571120.06 0566893	571500.13 2829224	599483.73 2169753	599999.10 779065	571460.09 408026	599959.06 9041687	887
182	2	570989.09 6383091	571441.94 8440336	600003.44 6965415	600972.06 911399	571068.58 2175369	600529.27 6052791	1149
183	2	571791.84 3714531	572003.08 2631477	600931.43 8659377	600990.60 9224348	571906.83 1845791	600931.43 8659377	240
184	2	571264.63 3980639	571780.00 9601537	600894.16 1203445	601203.62 3258243	571462.26 3667642	600958.45 9884047	671
185	2	572779.00 5973464	572860.06 9647474	601170.68 4977076	601204.41 219911	572822.98 9426759	601188.43 6146568	88
186	2	573507.59 2863473	574124.54 4620904	598845.67 6244149	599227.72 0858645	573881.15 6363657	599168.55 0293674	904
187	2	574132.82 85	574330.65 542222	598553.37 3653192	598926.93 7153376	574322.17 4307907	598727.53 2349424	579
188	3	574468.32 5603386	574719.40 6034079	597954.56 7535686	598383.94 8602159	574600.27 5963271	598166.00 3687849	499
189	1	574738.93 232052	575382.90 5302621	596973.32 233325	597863.44 486563	575066.54 0015243	597473.31 3607255	1111
190	2	574846.62 2748767	574892.38 1319011	597512.56 3415352	597579.62 3388986	574869.50 2033889	597546.09 3402169	81
191	2	574782.91 5773815	574806.18 952937	597425.38 5449628	597452.80 1144732	574794.55 2651593	597439.19 1914788	36
192	2	574561.02 6155174	574737.35 4438787	597274.89 4979386	597355.16 971253	574636.76 4478337	597313.75 031705	193
193	2	575010.72 2448953	575043.26 6259687	597690.27 2345482	597713.54 6101037	575026.89 5736712	597701.90 922326	40
194	2	575164.76 3153094	575236.75 4007142	597804.47 1535876	597855.16 0986535	575200.65 996251	597829.91 4878814	88
195	2	575326.29 8795465	575391.18 9181717	597912.95 090499	597963.04 8649998	575358.64 5370983	597937.99 9777494	82
196	2	575487.63 7202619	575524.91 4658551	596511.00 298561	596687.72 5739657	575524.91 4658551	596570.37 0785798	194
197	2	575348.78 3610154	575405.78 4587743	596345.71 9874124	596425.60 0136835	575381.91 9126538	596391.87 2914802	98
198	2	575270.67 8464393	575289.61 3045183	596139.21 4602376	596155.58 5125351	575280.14 5754788	596147.49 8481471	25
199	2	575397.10 6238214	575451.34 5922771	596246.51 056019	596292.07 1895217	575424.12 7462884	596269.38 9845312	71
200	2	575572.05 3875312	575677.77 1951393	596397.00 1030433	596498.97 1637399	575624.91 2913352	596448.08 4951524	146
201	2	575721.16 3699038	575873.62 6521447	596540.78 5503312	596682.79 4859243	575797.29 6492634	596611.79 0181277	208
202	2	575948.97	576140.09	596730.32	596858.33	576012.87	596772.73	229

OBJE CT_ID	CONFID ENCE	MINX	MAXX	MINY	MAXY	CENTROI DX	CENTROI DY	OBJEC TLEN (m)
		0374177	1299033	8546436	420199	4584345	4117998	
203	2	572089.86 6126768	572581.57 3521677	594761.52 6614634	594801.56 5363598	572310.17 7863677	594763.10 4496367	494
204	2	572646.26 6672712	572892.81 0693425	594781.64 4606724	594815.56 9063974	572832.65 3952371	594807.87 6890528	248
205	2	572929.89 091414	573214.89 5802083	594817.14 6945707	594840.22 3466046	573159.47 2706227	594817.14 6945707	288
206	2	572587.68 7813391	573111.74 1783817	595293.27 2758507	595314.77 1397113	572843.50 1889282	595314.77 1397113	524
207	1	576314.24 9995264	577357.62 429092	597340.77 154172	597707.43 1809324	576497.67 8746674	597425.38 5449628	1055
208	2	576540.87 3259103	577180.50 706644	596540.78 5503312	596875.29 6430615	576832.18 9673977	596711.19 6730428	740
209	2	576528.44 7440459	576756.64 8586031	596559.32 561367	596702.51 8380899	576699.64 7608442	596660.90 1750203	269
210	3	574674.83 0875135	575702.82 0823897	598033.65 885753	598418.85 9235492	574967.33 0701308	598143.71 6108377	1053
211	1	576064.15 5740654	576869.46 7129909	598483.35 515131	598813.52 6903848	576840.86 8023506	598792.22 5500459	605
212	1	570602.51 5358614	570784.56 3463508	592338.88 6449505	593719.92 7435928	570748.66 6654092	593000.01 8895447	1427
213	2	570406.26 6318127	570591.47 0186486	591559.01 8403187	591659.21 3893205	570514.94 2922457	591648.16 8721077	219
214	2	570358.92 986615	570531.31 3445432	591419.77 0340289	591515.03 4949892	570422.63 6841102	591427.85 6984168	220
215	1	570321.45 5175002	570385.35 938517	588184.12 6612458	588668.14 183392	570364.64 968743	588375.64 2007747	510
216	2	574561.02 6155174	575391.18 9181717	597274.89 4979386	597963.04 8649998	574636.76 4478337	597313.75 031705	519
217	2	574738.93 232052	575382.90 5302621	596973.32 233325	597863.44 486563	575066.54 0015243	597473.31 3607255	1111
218	2	573849.00 7023356	573875.23 930716	598968.15 9313639	598992.81 371571	573857.48 8137668	598991.23 5833978	75
219	2	576567.30 2778124	576777.94 998942	599579.98 2955439	599977.80 6387261	576567.30 2778124	599786.68 5462404	557
220	1	577430.40 4085834	577457.03 0840071	598555.54 3240575	598869.73 8940571	577457.03 0840071	598635.22 6268069	266
221	1	577250.92 0038755	577399.24 0921616	598391.44 3540388	598756.32 8691043	577377.34 7812577	598569.34 9705735	580
222	1	577132.57 8908813	578049.13 0960214	601744.63 9457295	602021.36 0466143	577558.60 6976605	601918.79 8153526	950
223	1	577519.35 7168507	577590.75 6316905	601172.85 4564458	601904.20 27475	577520.14 6109373	601481.52 7678391	740
224	1	577504.76 1762481	577539.47 5160597	600386.47 7755994	600841.10 4930188	577535.92 4926699	600580.75 4444315	458
225	1	577422.12	577741.04	601982.89	602743.63	577610.87	602477.95	828

OBJE CT_ID	CONFID ENCE	MINX	MAXX	MINY	MAXY	CENTROI DX	CENTROI DY	OBJEC TLEN (m)
		0206738	9551932	9598912	5829222	4308996	9992502	
226	2	567607.49 8594998	569033.50 9210799	605817.34 9444249	606147.32 3961571	568520.30 3177284	605820.89 9678147	1688
227	2	568329.57 6722861	568349.69 4714951	605743.97 7943685	605831.94 4850275	568346.14 4481053	605776.91 6224852	91
228	2	568236.08 7230207	568329.57 6722861	605764.09 5935775	605831.94 4850275	568274.54 8097438	605791.70 8866095	116
229	2	568208.67 1535104	568472.57 2254874	605743.97 7943685	605766.06 8287941	568335.88 8249791	605745.95 0295851	266
230	2	567860.35 4142641	567939.24 8229269	605390.33 5200375	605525.83 5794158	567911.83 2534166	605478.30 2106965	156
231	2	566911.06 104529	567222.49 5452254	605709.06 7310352	605956.59 7507147	567072.20 2217227	605837.46 7436339	397
232	2	567501.18 8813267	570518.09 8685922	600325.13 7603641	601206.58 1786492	568002.36 3498571	601061.02 2196663	2046
233	1	570846.10 0851078	570982.78 4856161	604066.29 519154	604290.55 163278	570980.22 0798345	604193.90 6376661	333
234	1	570969.96 4567084	571054.97 2945425	604230.00 0421294	604273.78 6639372	571025.38 766294	604264.71 381941	96
235	1	571152.99 8848061	571163.25 5079322	604195.08 9787961	604344.79 1317337	571158.12 6963691	604262.14 9761594	153
236	1	570986.72 9560492	571053.78 9534126	604217.18 0132216	604259.58 5703779	571022.82 3605124	604239.07 3241256	79
237	1	570782.98 5581775	571065.22 9176687	604192.52 5730145	604609.08 6507541	571064.63 7471037	604349.91 9432968	477
238	1	571090.86 9754841	571235.64 0403803	604307.31 6626189	604465.89 3740311	571193.62 9302674	604393.50 841583	219
239	1	571596.58 0850127	572086.51 3128086	604903.95 3156313	605333.33 4222786	572074.08 7309442	605257.39 8664407	811
240	1	572705.63 44729	573145.86 3476284	607230.93 4241406	607775.30 3439139	573070.91 4093987	607625.20 7439329	1187
241	3	578516.57 8423485	579628.39 333929	604764.50 7858198	604927.81 8617518	579005.32 7290145	604869.63 422863	881
242	1	577781.08 8300895	577915.79 9953813	603015.42 5957655	603480.70 3833544	577872.01 3735734	603342.24 4711512	387
243	1	573994.76 3848401	574445.64 355348	612320.19 4534562	612824.52 4983331	574419.01 6799243	612426.50 4316293	1251
244	1	573553.54 8668934	573945.25 7809042	610161.65 232442	610431.66 7335904	573554.92 931545	610297.35 015342	905
245	2	574090.81 7398871	574512.11 1821464	609958.10 5580919	610168.75 2792216	574354.52 0883425	610093.21 170427	471
246	1	576018.00 2699976	576555.27 1429913	608105.27 7956461	608510.99 0796945	576334.76 2457788	608505.27 0975665	662
247	2	575596.70 8277383	575718.40 2406006	607526.78 7066261	607812.38 3659854	575596.70 8277383	607685.16 6945167	361
248	1	574558.85	576129.63	608372.33	609213.73	575728.26	608878.63	2115

OBJE CT_ID	CONFID ENCE	MINX	MAXX	MINY	MAXY	CENTROI DX	CENTROI DY	OBJEC TLEN (m)
		6567791	7832555	4439697	9873584	4166835	7240632	
249	1	574060.04 8705086	574402.25 1805835	608191.46 9746102	608452.21 4702407	574195.94 3769303	608295.80 7175667	430
250	1	574321.38 5367041	574466.94 495687	608229.93 0613333	608332.88 7396383	574448.20 7611296	608253.99 3309755	397
251	1	574588.83 632071	574993.76 0220328	607609.42 8622004	607876.48 510524	574939.91 5006205	607646.70 6077936	1040
252	3	574744.84 9377017	574938.13 9889256	607685.75 8650817	607837.43 2532359	574932.42 0067975	607711.79 3699404	546
253	1	575606.57 0038211	575938.12 2437265	606934.48 9710901	607389.11 6885095	575835.16 5654216	607165.64 9384721	572
254	3	574166.95 0192467	574504.22 2412801	608970.94 3321987	612755.88 7127965	574232.62 9519585	610093.80 340992	3144
255	3	574709.54 4273251	574834.59 1400556	611875.42 9121196	612750.75 9012334	574807.96 4646319	612188.63 864511	886
256	3	574047.22 8416009	574060.83 7645952	613141.67 9211576	613368.30 2475415	574053.93 4413372	613149.17 4149805	231
257	3	574220.59 8171374	574663.78 5703007	612841.09 2741523	612891.78 2192182	574530.06 0226172	612855.88 5382766	445
258	1	574514.47 8644063	575289.02 1339533	614592.73 8699881	615033.55 9408915	575126.69 6756296	614648.35 9030954	821
259	3	573627.51 1875148	574832.22 4577957	613207.16 1303477	613523.52 6590855	574123.36 1209605	613342.85 9132477	1183
260	1	574820.39 0464963	575465.74 409358	620784.74 108888	620984.34 3128049	575383.69 4243487	620811.36 7843117	526
261	1	575546.61 0532374	575824.51 4952521	620760.67 8392458	620818.86 2781347	575759.42 7331053	620787.89 6852345	289
262	3	574916.04 9545	575224.52 5423715	622267.75 268227	622381.55 7402231	575175.80 8325222	622286.88 4498277	280
263	1	575685.06 9654406	575813.86 4250826	620317.09 6390392	620544.50 8595098	575698.87 6119566	620358.31 8550655	188
264	2	576937.31 6044409	578568.05 681501	621844.28 8672294	623294.95 3690166	578334.92 4789024	623101.66 3177928	1370
265	3	580014.18 5422901	580195.44 4586929	625991.55 3571111	626458.60 6563949	580025.82 2300679	626191.15 561028	485
266	2	578858.18 9818584	579142.60 3000878	626016.79 9678832	626204.76 4840223	579038.06 8336096	626127.84 3105761	387
267	2	580469.99 6008394	580663.08 9285416	629525.21 9711179	630041.97 5978593	580515.95 1813855	629706.87 334564	557
268	2	578276.74 0400136	579608.07 8111983	629453.03 1621915	629597.40 7800444	578705.72 6996176	629564.86 398971	970
269	3	578744.97 6804273	579282.04 8298993	629001.56 0211186	629293.07 3861277	579119.52 6480539	629031.14 5493672	386
270	3	579427.80 5124038	580283.80 5963952	628941.99 5175782	630579.83 6414179	580178.28 5123087	630272.14 947633	1030
271	3	578451.09	578549.51	630797.18	631480.80	578544.58	631189.29	703

OBJE CT_ID	CONFID ENCE	MINX	MAXX	MINY	MAXY	CENTROI DX	CENTROI DY	OBJEC TLEN (m)
		6331584	6704652	9622839	6883471	5824238	3233381	
272	3	579924.64 0634578	580291.69 5372615	630597.19 3113237	630821.25 2319261	580092.68 5039096	630755.57 2992143	437
273	3	580055.99 9288814	580473.15 1771859	630778.84 6747698	631591.85 03104	580318.71 6597285	631429.72 2962379	848
274	2	580751.25 3427223	581379.05 3121565	631317.49 6124151	631632.28 3529797	581293.05 8567141	631612.16 5537707	543
275	2	581520.07 6301413	582080.22 4316472	631844.90 3093259	632264.02 7928471	581917.89 9733235	632204.06 8422633	617
276	3	581371.36 0948119	581655.18 2424763	633343.69 3503975	633542.50 6602277	581545.12 5173917	633461.44 2928267	346
277	2	582790.86 2801773	582840.17 1605916	632008.60 8323012	632064.62 3124518	582818.87 0202526	632042.33 5545046	74
278	2	587003.01 8086842	587204.98 694861	560283.43 0111682	560528.19 9015445	587054.49 6478367	560438.45 6991906	345
279	2	577660.38 0348355	577697.06 6098637	593495.27 6524255	594064.49 7359276	577662.54 9935737	593800.79 3874722	573
280	2	590491.12 2891883	590712.61 8040091	631553.19 2207952	631865.41 5555782	590520.31 3703935	631777.05 4178759	551
281	3	590999.20 0809767	591071.98 0604682	630438.81 3234332	630703.89 7365402	591059.75 2021254	630629.14 5218322	339
282	3	587280.92 250699	587405.77 2399078	635430.04 7624852	635499.27 7185868	587349.95 4832789	635432.01 9977018	181
283	3	584209.57 5714561	584290.04 7682922	634640.51 5052922	634766.54 8356311	584245.66 9759194	634708.75 8437856	149
284	1	584248.43 1052226	584421.80 0807591	634860.23 5084181	634972.85 6392843	584372.88 6473881	634867.33 5551978	214
285	1	584492.80 5485556	584554.34 2873126	634994.74 9501882	635073.24 9118077	584541.91 7054482	635021.17 9020902	110
286	1	573018.44 952638	573858.07 9843318	577153.15 5420131	577336.18 9701108	573300.69 3121291	577240.13 6150638	863
287	1	573263.02 1194926	573853.93 790377	576111.75 3476641	576402.28 0950649	573754.92 5825052	576288.67 3465904	672
288	1	574791.98 8593777	574996.91 5983793	576819.63 0668911	577563.20 743538	574873.64 3973437	576994.38 1070792	889
289	1	575510.12 2017308	575543.84 9239342	576682.74 9428611	576964.40 1317873	575542.07 4122393	576875.25 0999984	285
290	1	575556.47 2293202	575646.01 7081525	576506.61 8380214	576774.26 65691	575559.03 6351018	576709.57 3418065	339
291	1	576297.68 2237072	576672.82 3618989	575425.17 7687761	576016.48 8867038	576431.99 9419557	575786.90 707495	705
292	1	576374.80 1206751	576526.47 5088294	576676.04 3431248	576756.71 2634825	576450.73 6765131	576716.27 9415428	171
293	1	576384.66 296758	576474.99 6696769	575947.45 6541238	576058.69 7203384	576388.01 5966261	575974.28 0530692	222
294	1	574749.97	574825.32	620694.80	621189.66	574804.61	620929.51	504

OBJE CT_ID	CONFID ENCE	MINX	MAXX	MINY	MAXY	CENTROI DX	CENTROI DY	OBJEC TLEN (m)
		7492648	1345377	1830124	4988498	1647638	1737842	
295	1	575746.80 4277192	575866.72 3288867	620982.96 2481533	621222.80 0504882	575857.45 3233688	621099.72 5729742	374
296	1	575335.56 8850644	575471.26 6679644	616006.71 7967472	616180.48 219327	575426.88 8755916	616179.29 878197	283
297	1	575046.02 7552719	575384.48 3184353	615495.68 1521339	615581.47 8840547	575215.25 5368536	615538.67 8798551	348
298	1	575224.91 9894148	575281.32 9166087	615373.59 2922282	615396.07 7736971	575253.12 4530118	615384.83 5329626	60
299	1	575289.21 857475	575333.20 2028045	614687.80 6074268	615340.45 7405898	575322.35 4091134	615203.97 0636032	658
300	1	574328.09 1364404	574822.36 2817129	614179.13 6450734	614260.39 7359961	574746.23 0023533	614198.66 2737174	369
301	1	573719.22 6250853	573792.79 4986633	614351.32 27948	614501.41 8794609	573719.22 6250853	614475.77 8216455	208
302	1	573859.85 4960267	574021.39 0602638	614343.82 785657	614449.34 8697435	573965.37 5801132	614420.55 2355816	212
303	1	573936.18 498908	574023.75 7425237	614312.07 2986702	614377.16 060817	573993.38 3201885	614345.80 0208736	110
304	1	575893.94 1748754	575997.88 4707886	616430.77 3683097	616530.96 9173115	575960.01 5546305	616493.10 0011533	144
305	1	576738.30 571089	577150.52 7313521	616348.32 9362571	616599.40 9793264	577112.06 644629	616376.33 6763324	551
306	1	577014.04 0543655	577172.22 3187344	607302.53 0625021	607765.24 4443094	577014.04 0543655	607630.13 8319744	555
307	1	577463.53 9602218	577698.84 1215586	606534.49 6691697	607144.34 7981332	577581.09 1791293	606839.42 2336515	652
308	1	577709.68 9152497	577804.36 2056451	605089.35 4259889	605599.20 7294722	577767.28 1835736	605335.70 1045385	518
309	1	576217.40 7503929	576391.56 620016	605608.28 0114685	605915.37 5346884	576354.48 5979445	605731.35 4889824	375
310	1	576345.21 5924266	576514.83 8210516	604808.29 4076277	604985.60 8535973	576460.79 5761176	604890.34 392637	254