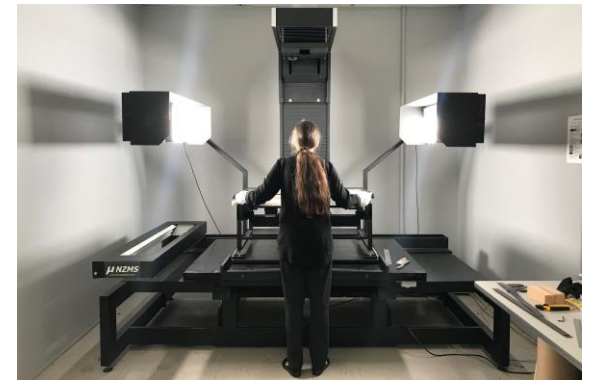
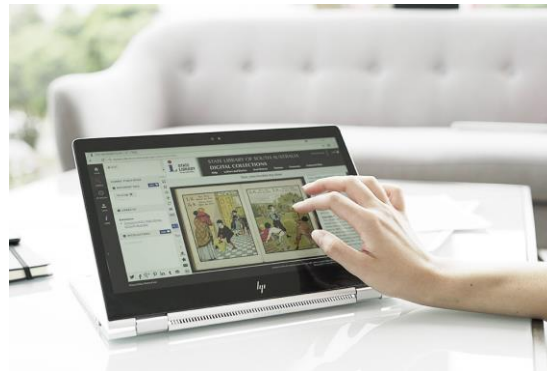
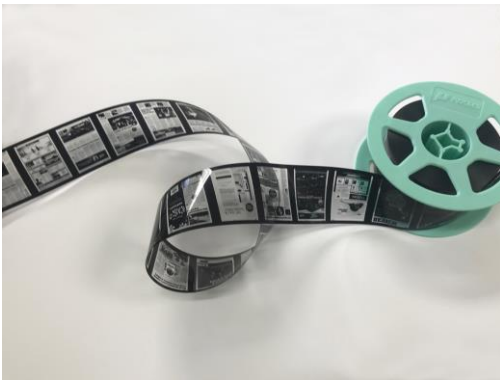


NZMS



Who we are

New Zealand Micrographic Services



 **microfilm**

 **recollect**

 **digitise**

Mass-Digitisation of Cultural Heritage

The LINZ Project

Leigh Rout

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Mass-Digitisation

The LINZ Collection

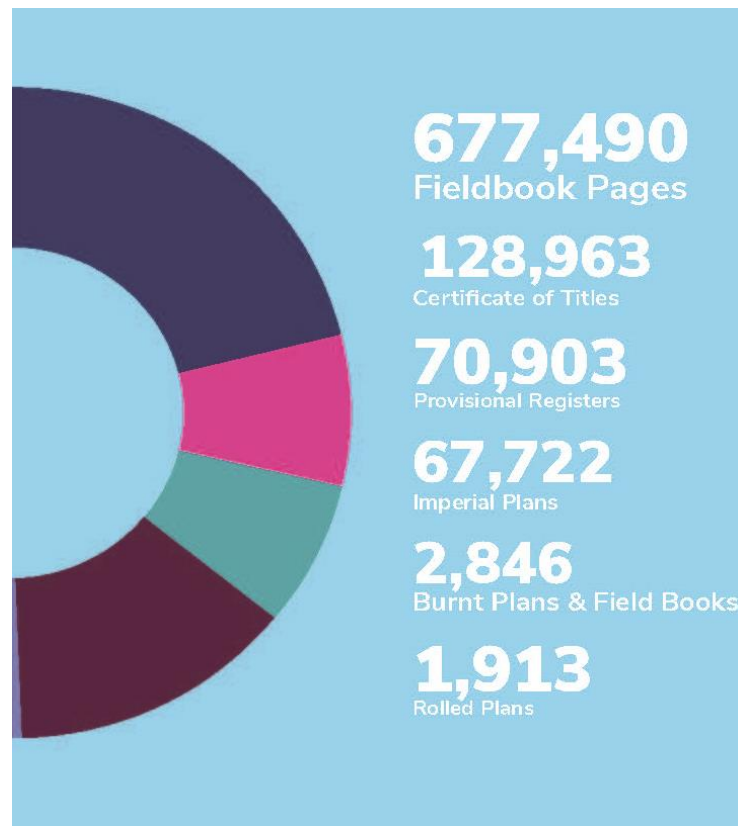


Much of the material is deteriorating and with the constant need for access, along with the increasing customer expectation for high resolution digital files to view high levels of detail and information, LINZ decided the material needed to be digitised with modern technology on a mass scale.

The impressive numbers

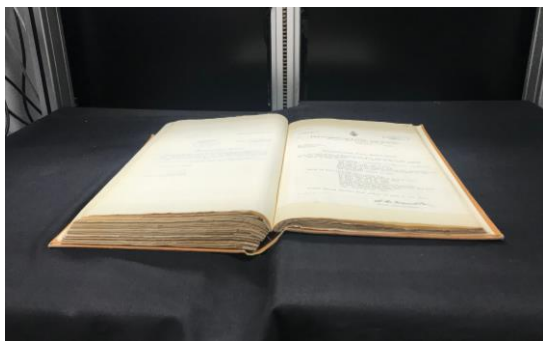
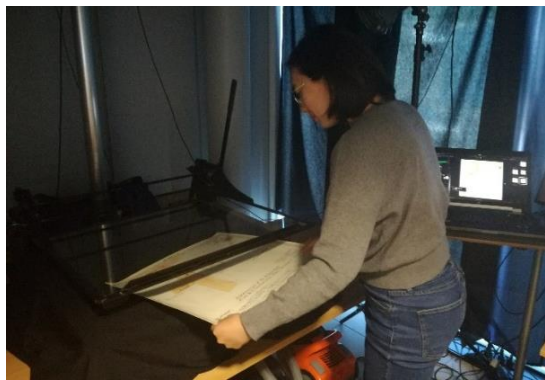
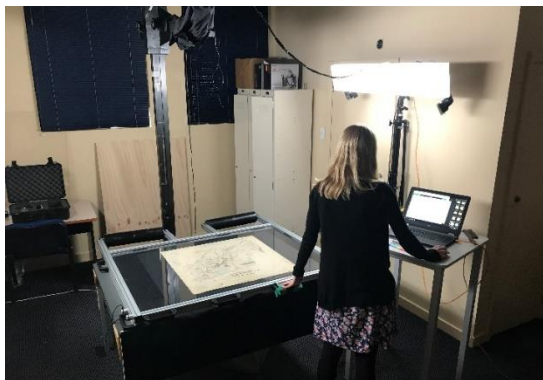
The LINZ Collection

This mass digitisation project captured a total of **949,857** images of vital New Zealand land history from Surveyor Field Books and the resultant Imperial Plans, Provisional Registers and Certificate of Titles from the 1860's onwards.



Our multiple digitisation suites

Auckland, Wellington, HMIF(Archives), Christchurch



As the biggest cultural heritage digitisation bureau in New Zealand, our facilities were the perfect environment to capture this significant collection of land information. As outlined above, our four suites across New Zealand are well equipped with high performing digitisation equipment and a strong team of experienced professionals in handling and capturing this kind of material.

Logistics

An interesting challenge



At the height of the project 15 custom built crates were rotating weekly between LINZ Hamilton, all 4 NZMS Locations, Auckland Archives and Iron Mountain.

This resulted in 224 freight tickets for the entire project!



Freight Tickets and
15 Custom-built Crates

Our Team

It was a team effort, with almost everyone in our company of 50 employees having touched the LINZ project in some way or another, from research and testing, liaising with freight companies, governance and reporting, to capturing the material itself, Quality Control (QC) and Post Capture Process (PCP) activities, to online data hosting, writing scripts and ingesting metadata into Recollect for Quality Control checking by LINZ and access to the images by the LINZ customer service team.

A mass digitisation project of this size also meant that the technicians who were performing repetitive tasks had to be looked after. With a high demand on the team we had **7-8 capture stations** capturing between **6-12 hours each day** over our **4 locations**, this meant that we had up to 10 people working at capture stations each day of the week.

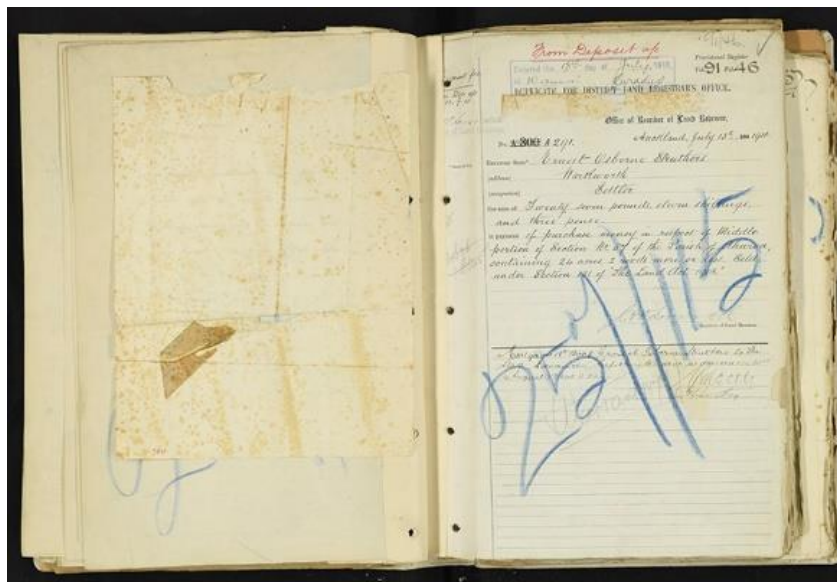


Special requirements

Another interesting challenge...



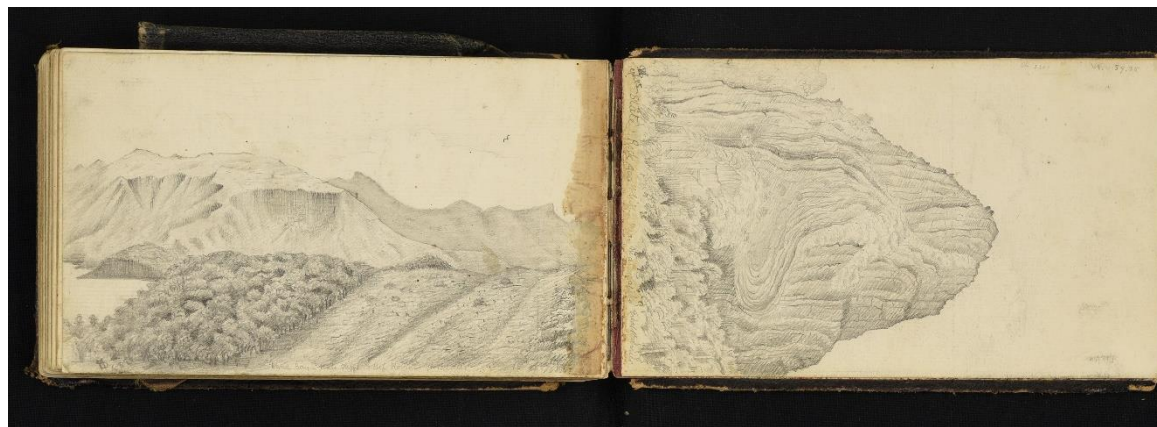
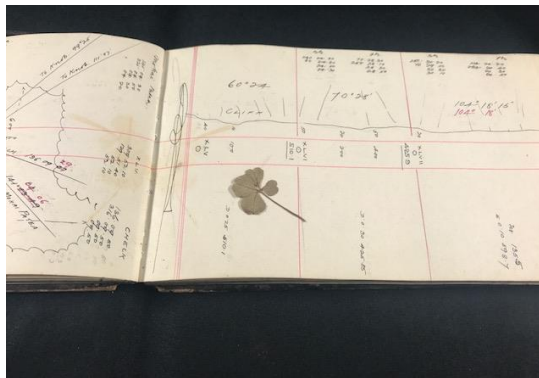
Burnt Maps



Provisional Registers

LINZ Field Books

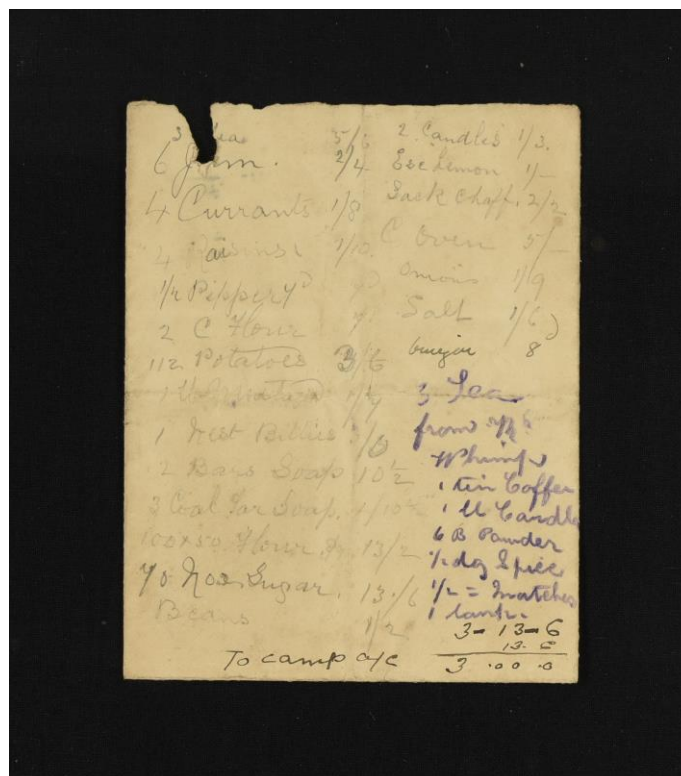
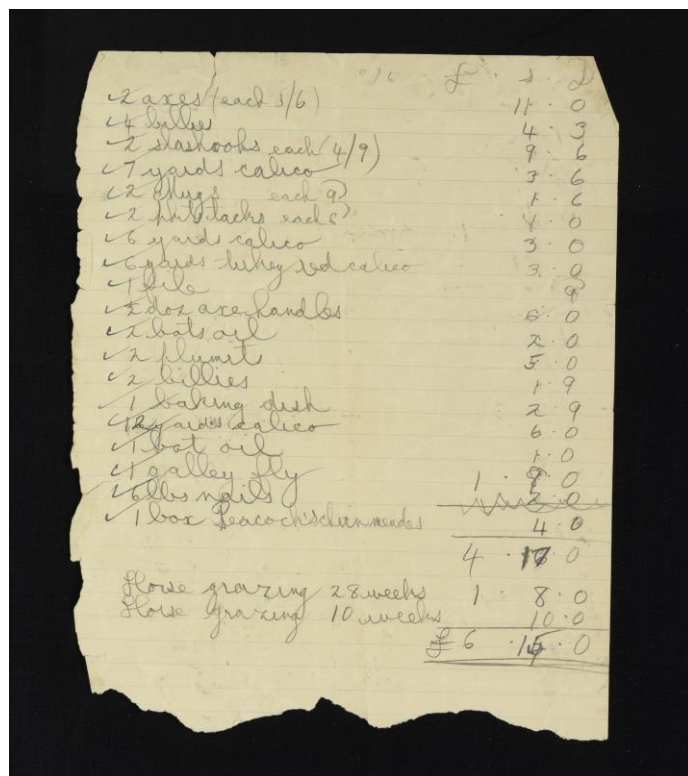
Special Surprises!



More here - <http://www.micrographics.co.nz/13000-surveyors-field-books/>

Field Books

Special Surprises!

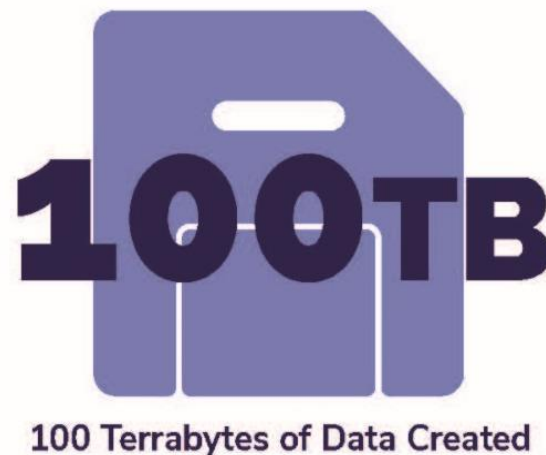


More here - <http://www.micrographics.co.nz/13000-surveyors-field-books/>

The Output – Digital Files

File sizes

At time of capture a “**Preservation copy**” is produced which ranges between a 145-200MB Tiff per item of material. An “**Archive copy**” was produced from the Tiff as a JPG2000 as agreed with Archives NZ ranging between 6-9MB per item. The final “**Access copy**” was also created to allow LINZ to upload these images online and become easily accessible for the surveyors and users of this important land information.



In the entire project our team produced well over 100TB of data.

That's over 2TB of data created each week!

Large Format – at a large scale

Special Equipment



Rolled Plans



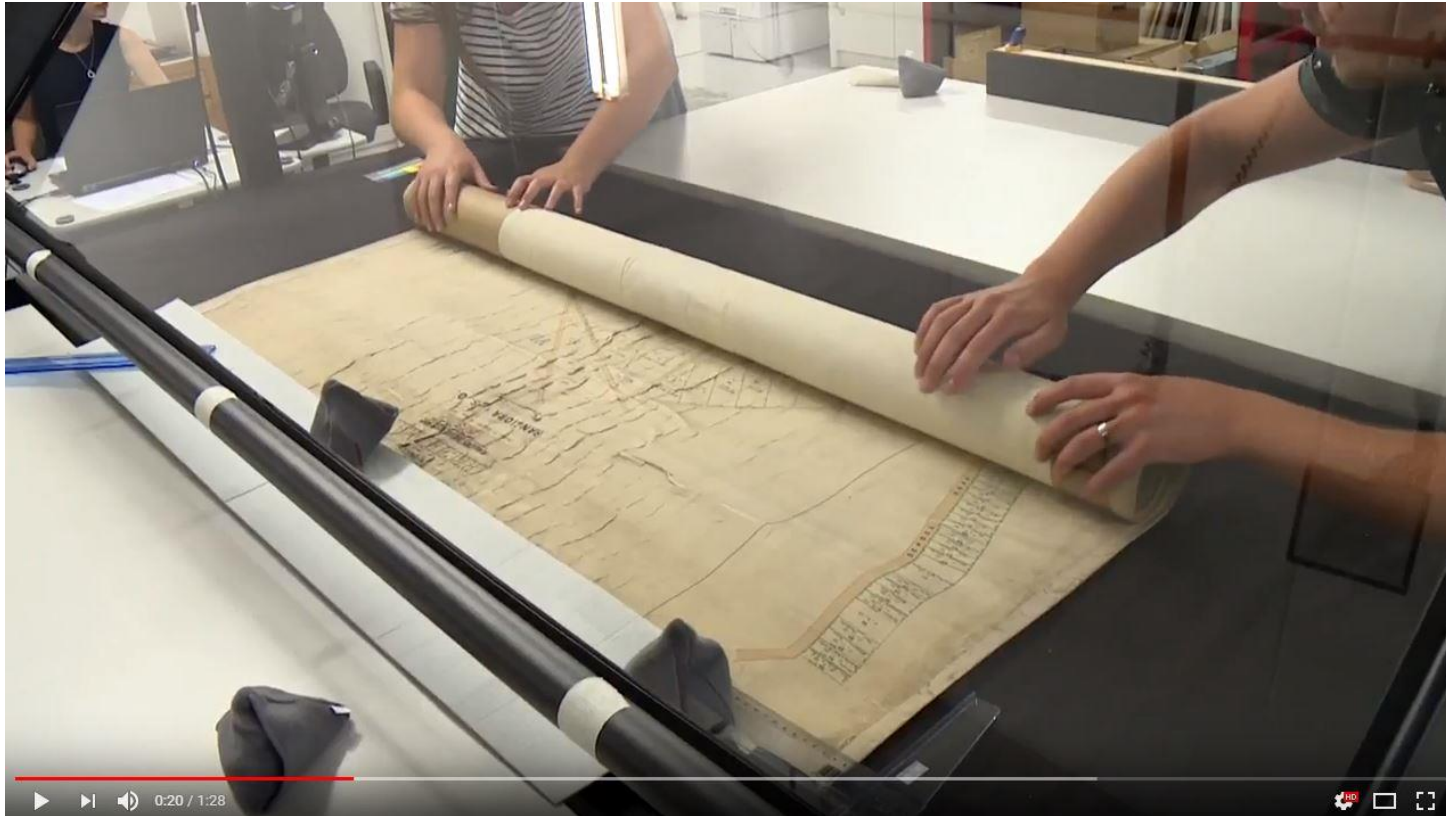
Online Collection Management System

LINZ approval process

The screenshot displays the NZMS Online Collection Management System interface. The top section shows a map view of a historical document, identified as SA_1373-0005. The map is a detailed survey plan with various lines and annotations. To the right of the map, there is a sidebar with 'ANALYSIS INFORMATION' and 'ASSET INFORMATION' sections. The 'ANALYSIS INFORMATION' section includes fields for 'Asset Type', 'Date uploaded', 'Field Rank ID', 'ID NUMBER', 'NAME ID', 'LINE Rank ID', and 'ID NUMBER'. The 'ASSET INFORMATION' section includes fields for 'Asset Type', 'Date uploaded', 'Field Rank ID', 'ID NUMBER', 'NAME ID', 'LINE Rank ID', and 'ID NUMBER'. Below the map, there is a search bar and a sidebar with 'MY HISTORY' and 'MY PROFILE' sections. The search bar contains the text 'Search for' and a 'Search' button. The sidebar includes a 'MY HISTORY' section with a list of recent searches and a 'MY PROFILE' section with a list of recent searches. The main content area below the search bar displays a grid of 12 search results, each showing a thumbnail image of a historical document and its associated metadata. The results are sorted by 'Date' and 'Status'. The first row of results includes items with IDs SA_PROC_00073_1of2, SA_PROC_00073_2of2, SA_PROC_00604_10of13, SA_PROC_00604_11of13, SA_PROC_00604_12of13, and SA_PROC_00604_13of13. The second row includes items with IDs SA_PROC_00604_1of13, SA_PROC_00604_2of13, SA_PROC_00604_3of13, SA_PROC_00604_4of13, SA_PROC_00604_5of13, and SA_PROC_00604_6of13. Each result card shows the document title, format, status, and asset type.

Black Maps Project for Ngāi Tahu

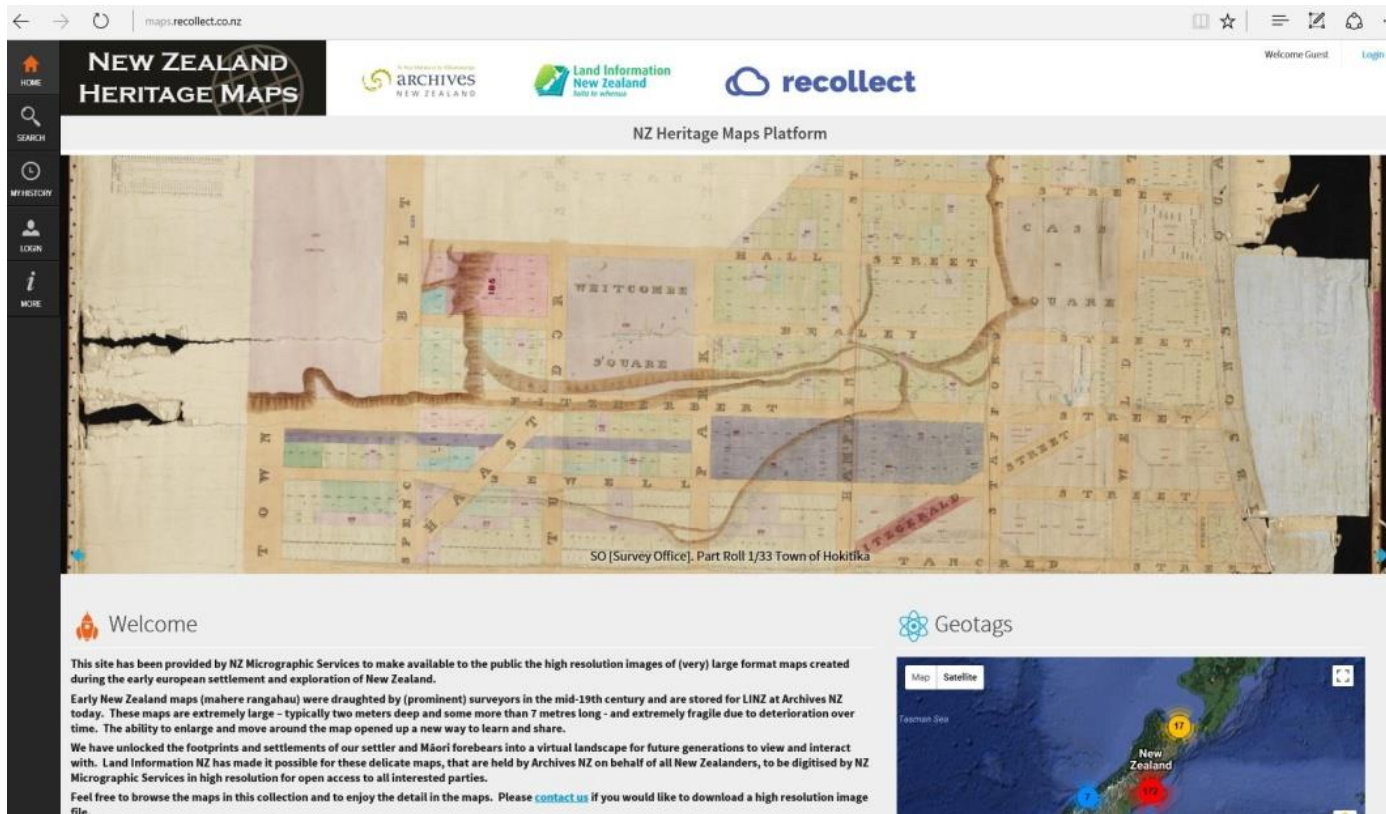
Designing the large format capture unit



<https://www.youtube.com/watch?reload=9&v=lxRWbQSt0Qk&feature=youtu.be>

Online Collection Management System

New Zealand Heritage Maps



<http://maps.recollect.co.nz/>