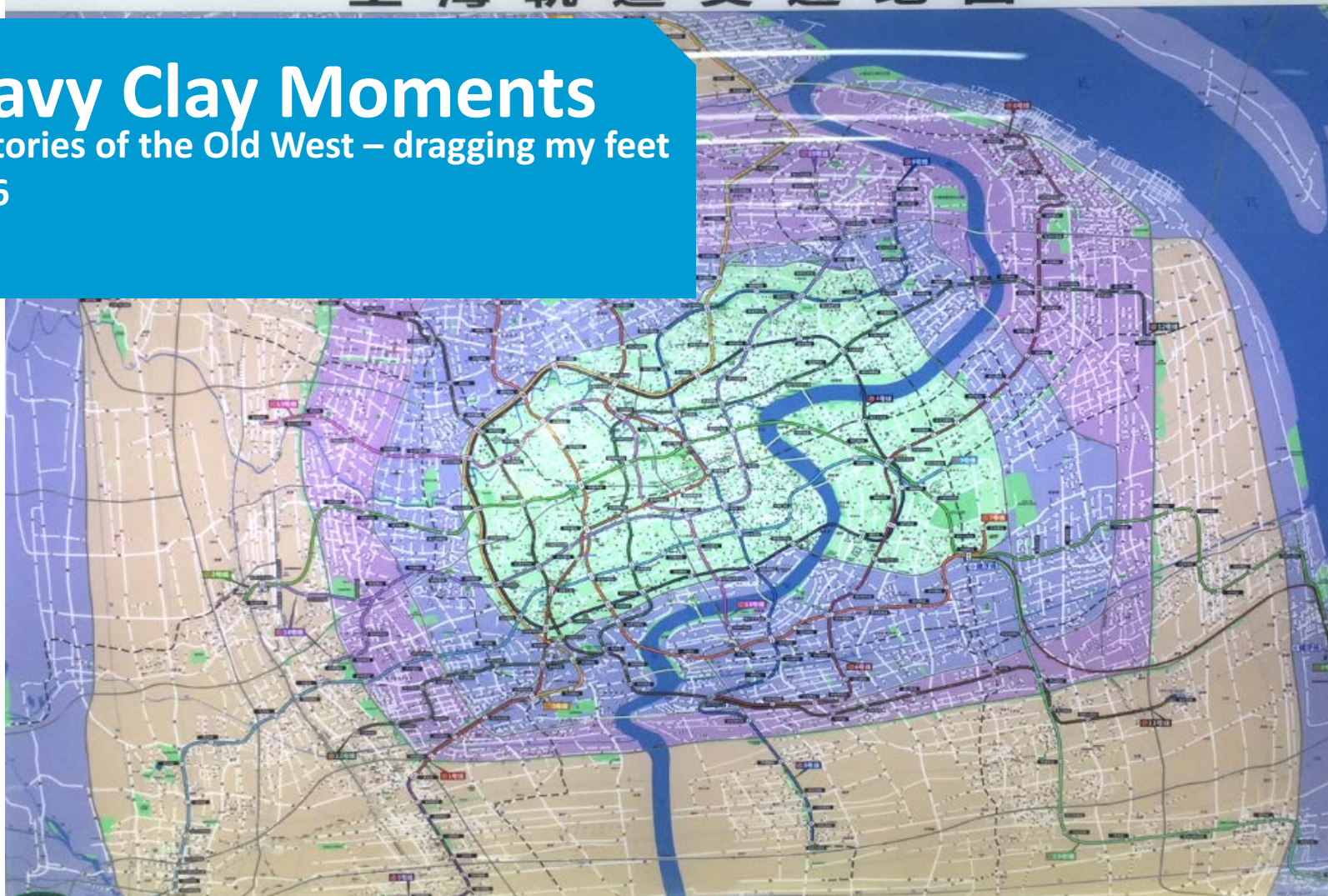


上海轨道交通地图

Heavy Clay Moments

New Stories of the Old West – dragging my feet

2.10.16

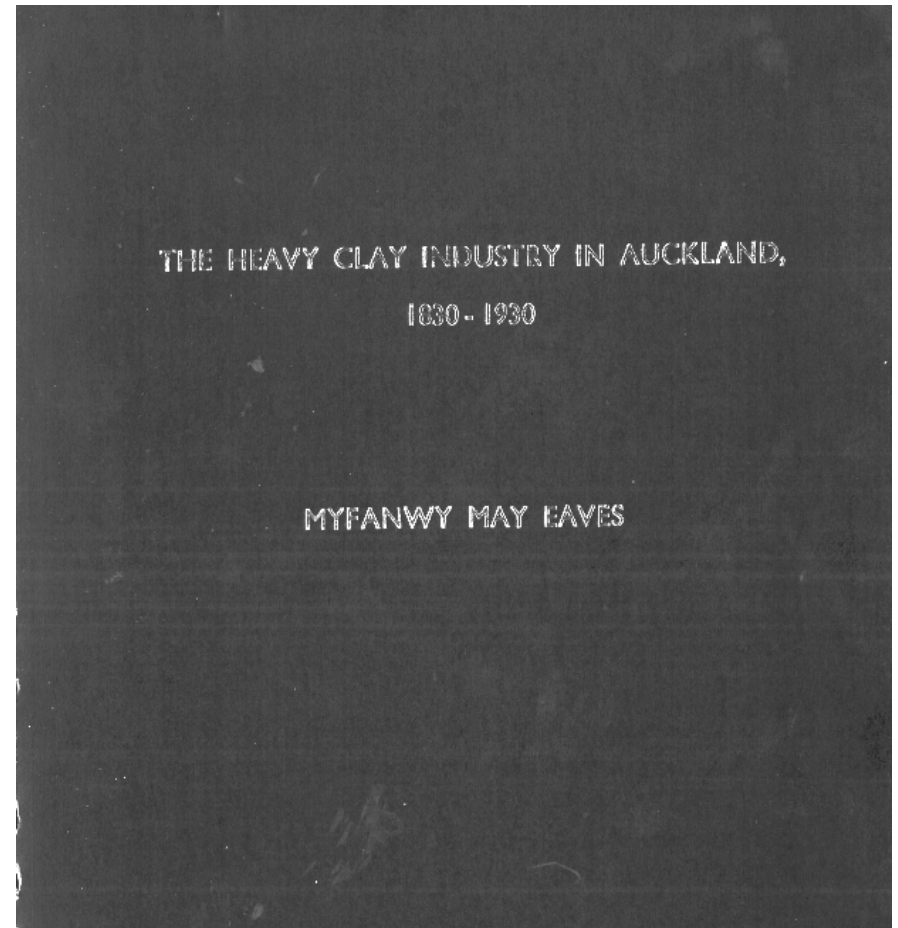


BE THE HOW.
CHAKAMOA MA TIRA!



What started it all?

- Working two summers at the Port Arthur convict site (now a World Heritage Site) where I learnt to draw buildings and dig around buildings;
- Studying archaeology in China and having to learn how to draw anything from stone tools to Ming dynasty tombs;
- Strange topic choices (Chinese and archaeology) because I was the last of the free tertiary education;
- Being unemployed in NZ so starting a masters and then digging at the Pollen Brickworks...
- 30 June 1990, with no proof reading, it was submitted!



Doing the thesis made me learn:

- How to learn, ask questions and discuss theories!
- About clays – and thereby geology and geotechnical work;
- About manufacturing processes for working clays – and thereby the evolution of steam engines and how they worked;
- About the products made by and buildings that covered the efforts of workers (slight diversion to Ironbridge Gorge (Blist's Hill), Coalbrookdale and more study...)
- About all the associated bits with brickworks (kilns, sheds), people and this particular society (NZ, specifically Hobsonville);
- About the mechanical developments that changed the products, the people and the landscape;
- About how to put it all in context/place around NZ;
- About statutory protection and Law as it applies to heritage protection in NZ ...



Once upon a time...

- No such thing as “Industrial” or “Historical” archaeology in NZ ...
- Clear Historic Places Trust definition of *what is archaeology*: pre-1900 material and/or evidence of human occupation;
- All maps hand drawn;
- Survey maps were “hard copy”;
- All newspapers were hard copy or microfiche – so finding anything was often just luck
- Jack Diamond was alive (and very protective of his records);
- Crown Lynn was still in production (and very protective of it’s files);
- Everything took time and negotiation!



And now?

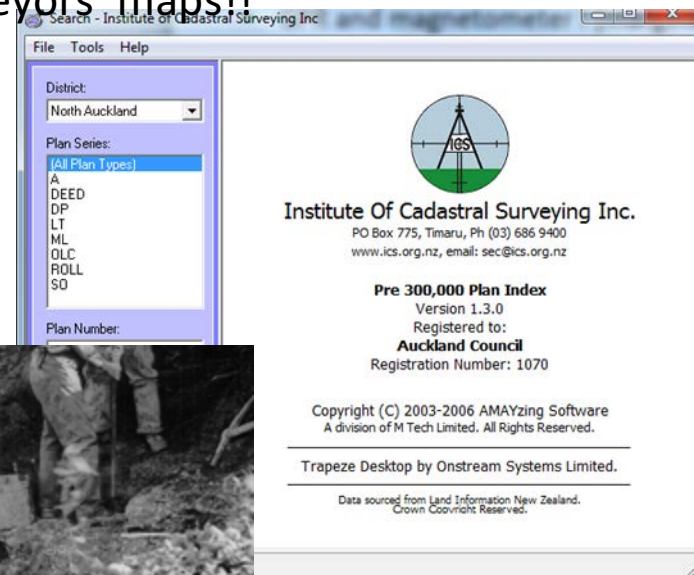
- A statutory framework that is either 'archaeology' (pre-1900)(HNZPTA) or Historic Heritage (RMA)
- I still agree with my abstract and conclusion! (Sort of)

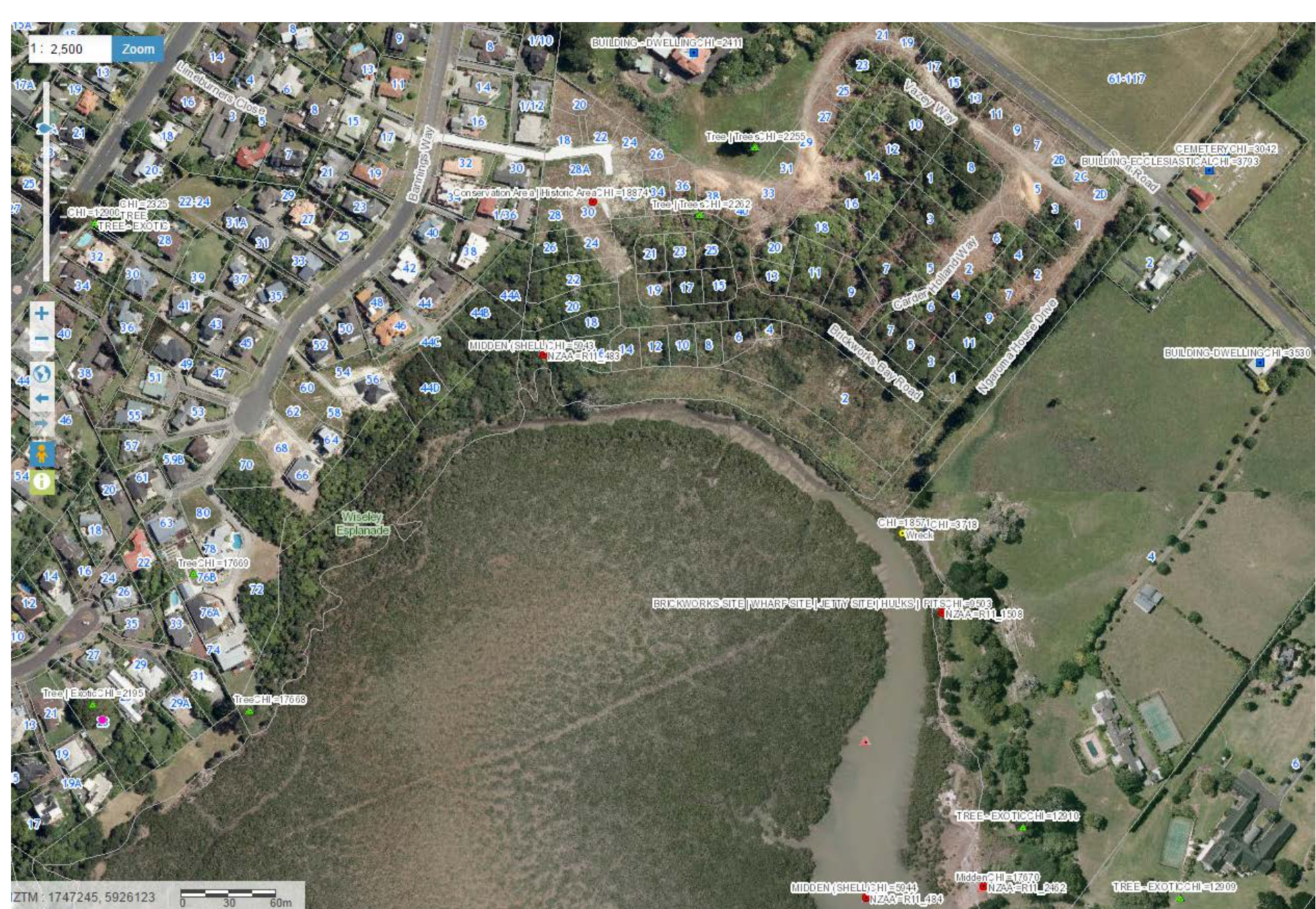
This thesis is a presentation of data pertaining to the establishment and development of one of Auckland's earliest industries, the Heavy Clay Industry. It was established when technological advances in Europe were at their height, and their importation and adoption here were controlled by many factors both economic and social. By combining archival evidence with technological information it is possible to recreate a picture of the establishment and development of this Industry in Auckland. Finally, this information is applied to a suburb of Auckland, Hobsonville, from an archaeological perspective.

Conservation of the industrial remains of this industry is possible. In Hobsonville there are still traces of the workings which elsewhere have been destroyed. Some remains are under threat of destruction or alteration and while to some extent this is only a continuation of damage already done, the opportunity does exist here to preserve and display some parts of this early industry. Clearing and stabilising of the Carder/Vazey area could be achieved in cooperation with the local council and a type of outdoor museum created, not only for the benefit of local residents but also to the benefit and interest of those interested in the reconstruction of Auckland's past. This thesis has presented a collection of archival and documentary evidence relating to both Hobsonville and the heavy clay industry as a whole, and it would be appropriate to take such information and test it in an excavation.

But we do have new toys!

- GPR and magnetometer ! [marginal, very site specific]
- Paperspast!
- Te Ara! Auckland Museum! AC Archives! National archives! National Library! Individual's and Historical Society (volunteer) sites!!!
- AJHR online! Deed Indices (Index) on line!!!
- Search engines! International links for borrowing and purchasing!!!
- LINZ on line! Quickmap / Institute of Cadastral Surveyors' maps!!
- International study & research
- GIS!





IZTM: 1747245, 5926123

1940



1959



1: 2,500

Zoom



ZTM : 1746951, 5926077

0 30 60m

Combined 1959 and 2012!



LAND TRANSFER OFFICE

RECEIVED: 2713 (197) PROV. NO. 22195
 TITLE REF. 124359 164526 17A182
 REferred to DRAUGHTSMAN: 2713 127
 L.T. DRAUGHTSMAN.
 EXAMINED: 1/10/28
 TRAV. RED. VOL. 1 FOL. 1
 FIELD-BOOK: No. 58, PAGE 39
 COMP. Bk.: No. 11, REPORT No.
 REF. PLANS: D.R. 150 2415
 50 2576, 2579
 FILE: 110 25

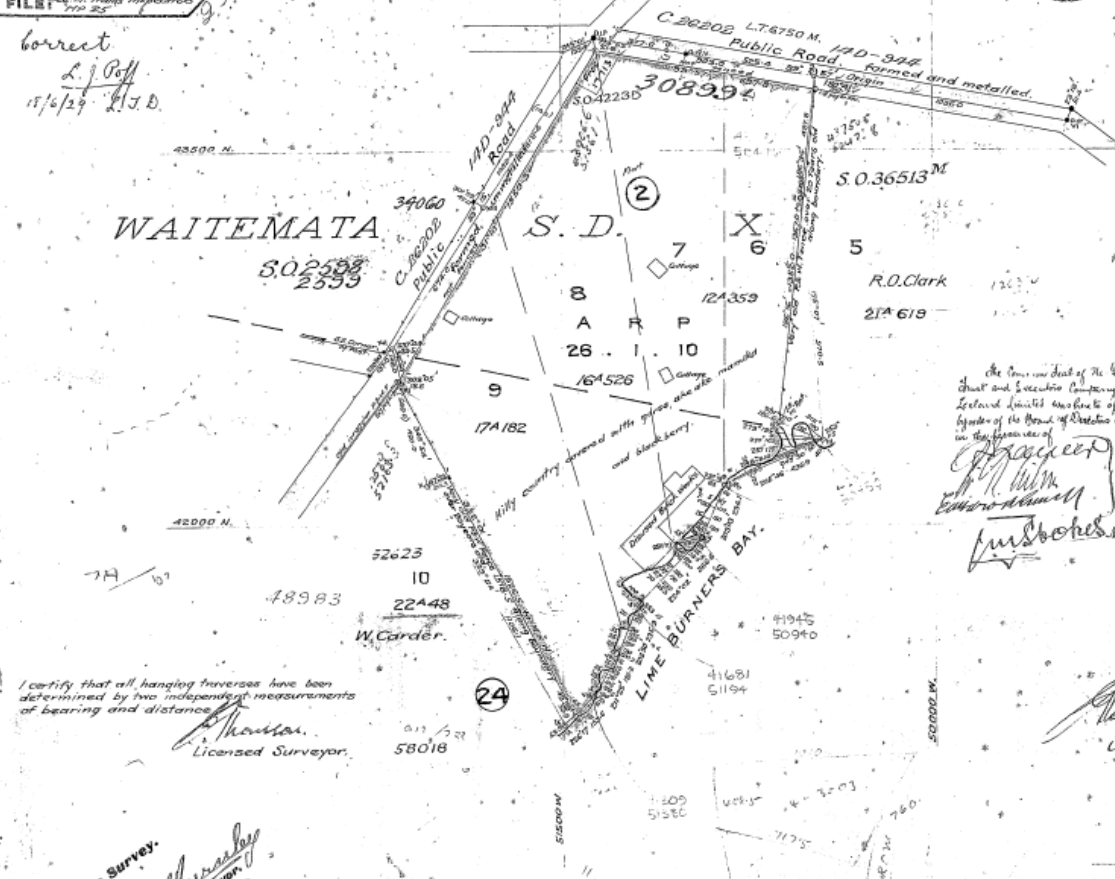
FOR SURVEYS UNDER THE LAND TRANSFER ACT ONLY.
 NORTH AUCKLAND LAND DISTRICT.

DEPOSIT FEE PAID, SEE
 REG. AS TO VALUE No. 22195
 W. Johnston
 This space to be reserved for Deposit No. 2713 127
 DEPOSITED this 7th day
 of AUGUST, 1928.
 W. Johnston
 District Land Registrar.



Place
 Deposit
 Stamp
 here.

WAITEMATA COUNTY.



Approved
 The Town and District of the Waitemata
 District and Waitemata County of the
 Northern District of New Zealand
 in the presence of
 W. Johnston
 District Land Registrar

Approved
 W. Johnston
 District Land Registrar
 19.1.28

Approved,
 W. Johnston
 District Land Registrar
 19.1.28
 Applicant [if Registered Owner]

LOTS 6-9 of ALLOTS 2 & 24 PH OF WAIPAREIRA

Comprised in 124359 164526 17A182
 Surveyed by THOMSON & ARBER, Licensed Surveyors JANUARY, 1928.

DECLARATION.

I, Edward Thomson, a Licensed Surveyor, do solemnly and sincerely declare that the plan has been made from surveys executed by me
 and that both plan and survey are correct, and have been made in accordance with the regulations of the Surveyors' Board, dated the 20th day of March, 1903.
 And I make this solemn declaration conscientiously believing the same to be true, and by virtue of the provisions of the Statute in that behalf made.
 Declared at Auckland on 19th day of January 1928
 before me
 J. W. Johnston
 District Land Registrar

SCALE: 3 Chains to an Inch.

Licensed Surveyor.



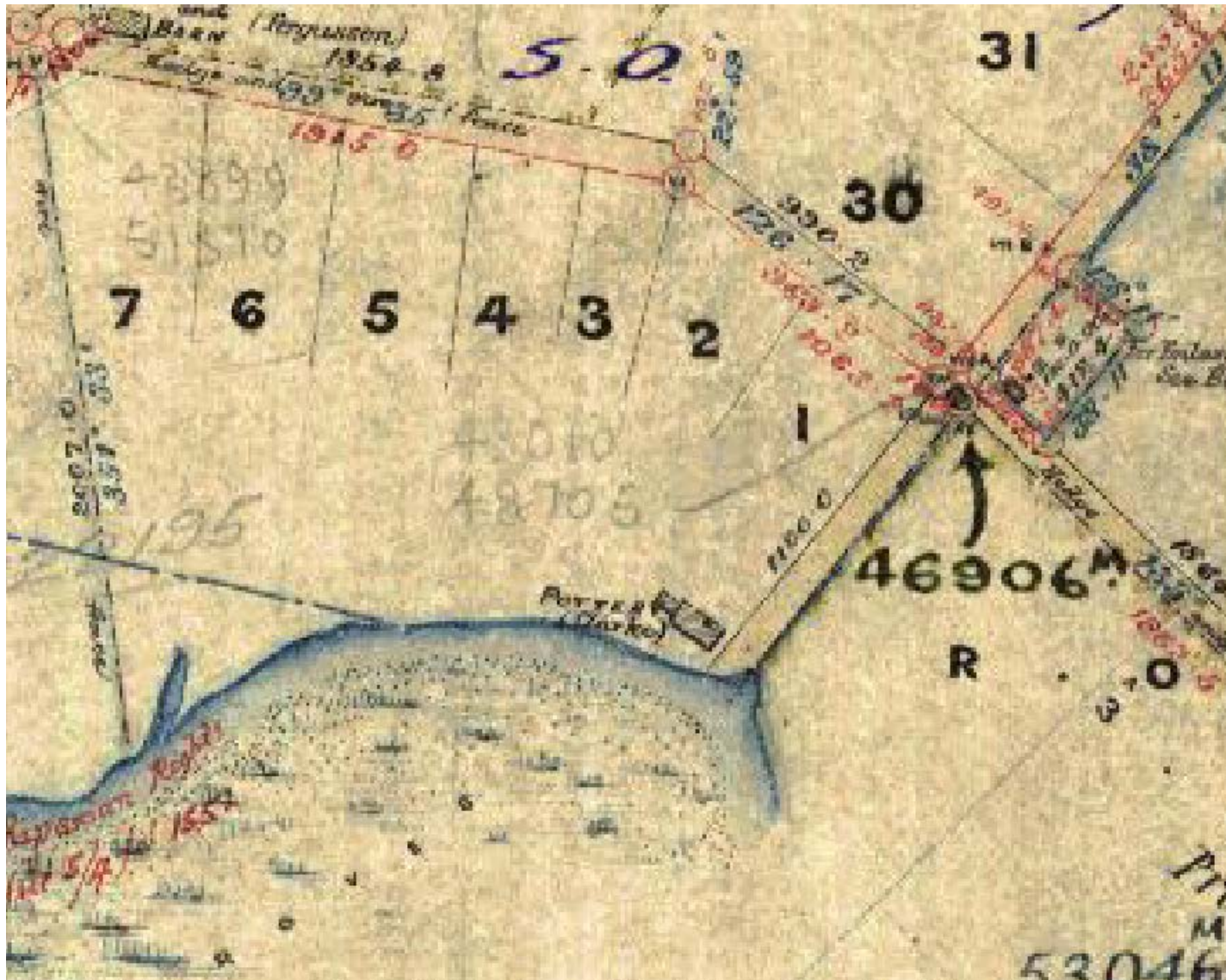
22195

381

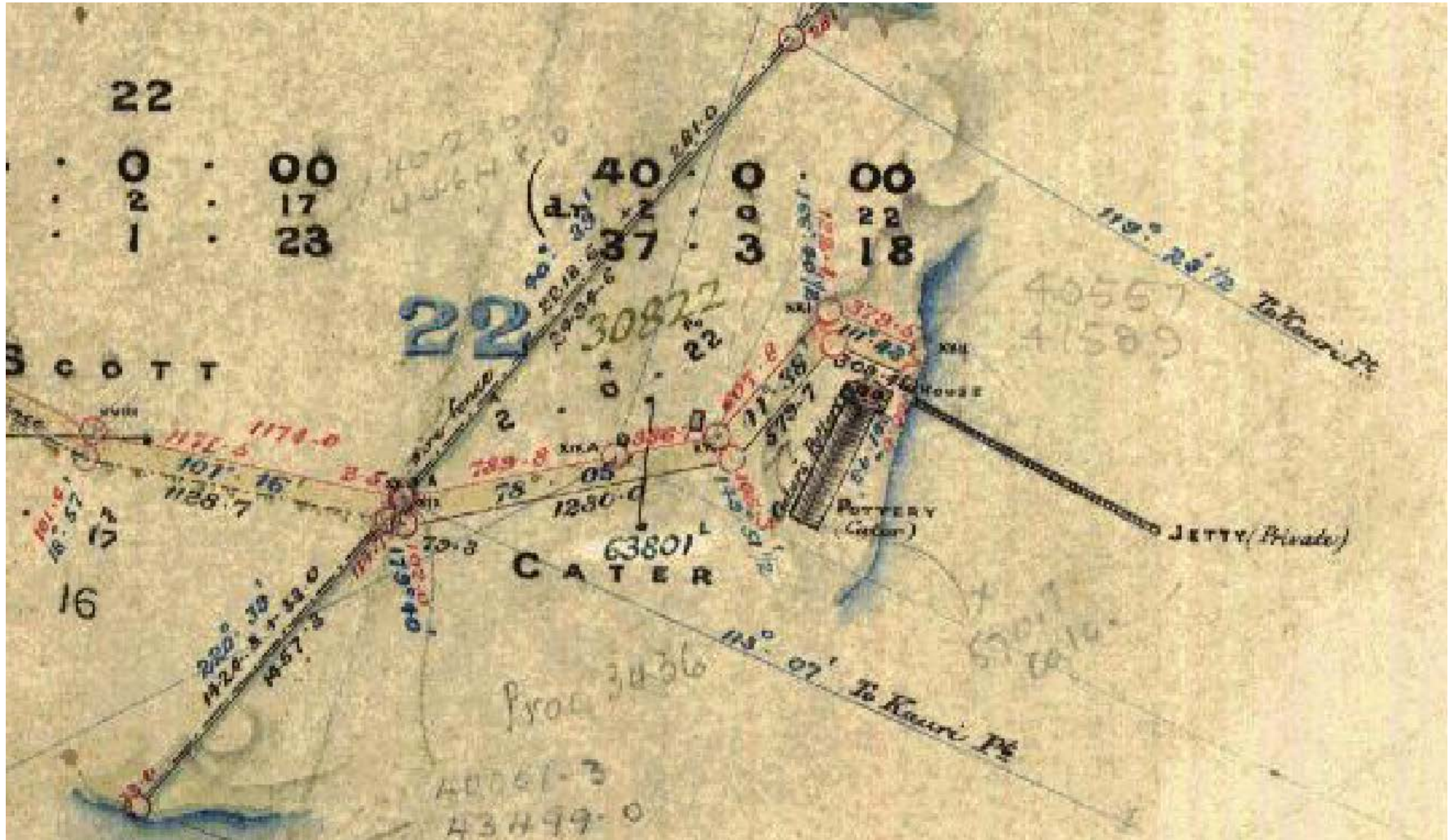
PLAN OF ROAD THROUGH LOTS 24, 2, 21, 12 AND 22
PARISH OF WAIPAREIRA
PART OF BLKS X & XI
WAITEMATA SURVEY DIST

Ent^d. Blech. XI. Wackmata
" " X "
" " Riene trap
" " luter

And we can zoom ...



And wander east to the coast ...



Digital deeds 12A 359 (21A619 and 22A48 not digitised yet)

No.	Receipt of Instrument.	Nature of Instrument.	Parties.	Date of Instrument.	Where recorded.	Reference.	Sign Lot
26296	1.30 16 Jul 1864	Conveyance	Boylan to Williams	23 Jun 1864	17D 298	7A 698	37. 36
Brought under provisions Land Transfer Acts Vol. XI fol. 61. Theo. Kiesling D.L.R.							
						2. 24.	
58366	1. 26 Jan 1877	Conveyance	Robertson to McLeod	29 Dec 1877	27M 125	7A 107	6.7
64623	10. 12 May 1880	Mortgage	McLeod to Clark	28 Apl 1880	G2 379		
70964	11. 30 Jul 1881	Will	Norman McLeod	25 Mar 1880	01 548		
73164	2. 21 Dec 1881	Reconveyance	Clark to McLeod	16 Dec 1881	C2 259		
73165	" " "	Conveyance	McLeod to Vazey	16 Dec 1881	C2 260		
73166	" " "	Mortgage	Vazey to Jagger & Parker	16 Dec 1881	C2 260		
95578	11.30 3 Sep 1885	Mortgage	Vazey to Masefield	2 Sep 1885	R19 89		
105365	12. 12 Nov 1887	Transfer	Jagger & Or. to Masefield	4 Nov 1887	R23 870		
105366	12. 12 Nov 1887	Conveyance	Masefield to White & Or.	5 Nov 1887	" 871		
105367	12. 12 Nov 1887	Mortgage	White & Or. to Masefield	5 Nov 1887	" 872		
108646	10. 7 Sep 1888	Conveyance	White & Or. to Carder & Ors.	18 Aug 1888	R28 599		
108647	10. 7 Sep 1888	Mortgage	Carder & Ors. to Masefield	18 Aug 1888	" 600		
108648	10. 7 Sep 1888	Reconveyance	Masefield to Rae & Or. ^{of Mtgo.}	17 Aug 1888	" 601		
121730	2. 15 Sep 1892	Receipt	T.T. Masefield	12 Sep 1892	R41 920		
183373	1. 18 Apl 1907	Mortgage	Carder & Ors. to Bank N.S.W.	15 Sep 1892	R133 128		
202941	3.30 11 May 1910	Probate	Owen E. decd.	5 Apl 1907	R168 541		
240557	1. 18 Feb 1915	Transfer	Bank N.S.W. to Dargaville & Ors.	20 Jan 1915	R244 508		
384881	10.50. 24 Mar. 1929	Probate	E. Carder (decd.)	13 July 1926	R 520. 607		
— 2	" " " "	Probate	W. Carder (decd.)	4 Feb. 1907	R — 611		
— 3	" " " "	Probate	G. Carder (decd.)	31 Jan. 1921	R — 613		
— 4	" " " "	Conce.	Owen to Guardian Trustees (Int.)	5 Nov. 1928	R 573.287		
— 5	" " " "	Conce.	Carder to Carder & Ors (Int.)	25 Oct. 1928	R — 292		
Brought under the Land Transfer Act, Certificate of Title, Volume 497 folio 137							

Now?

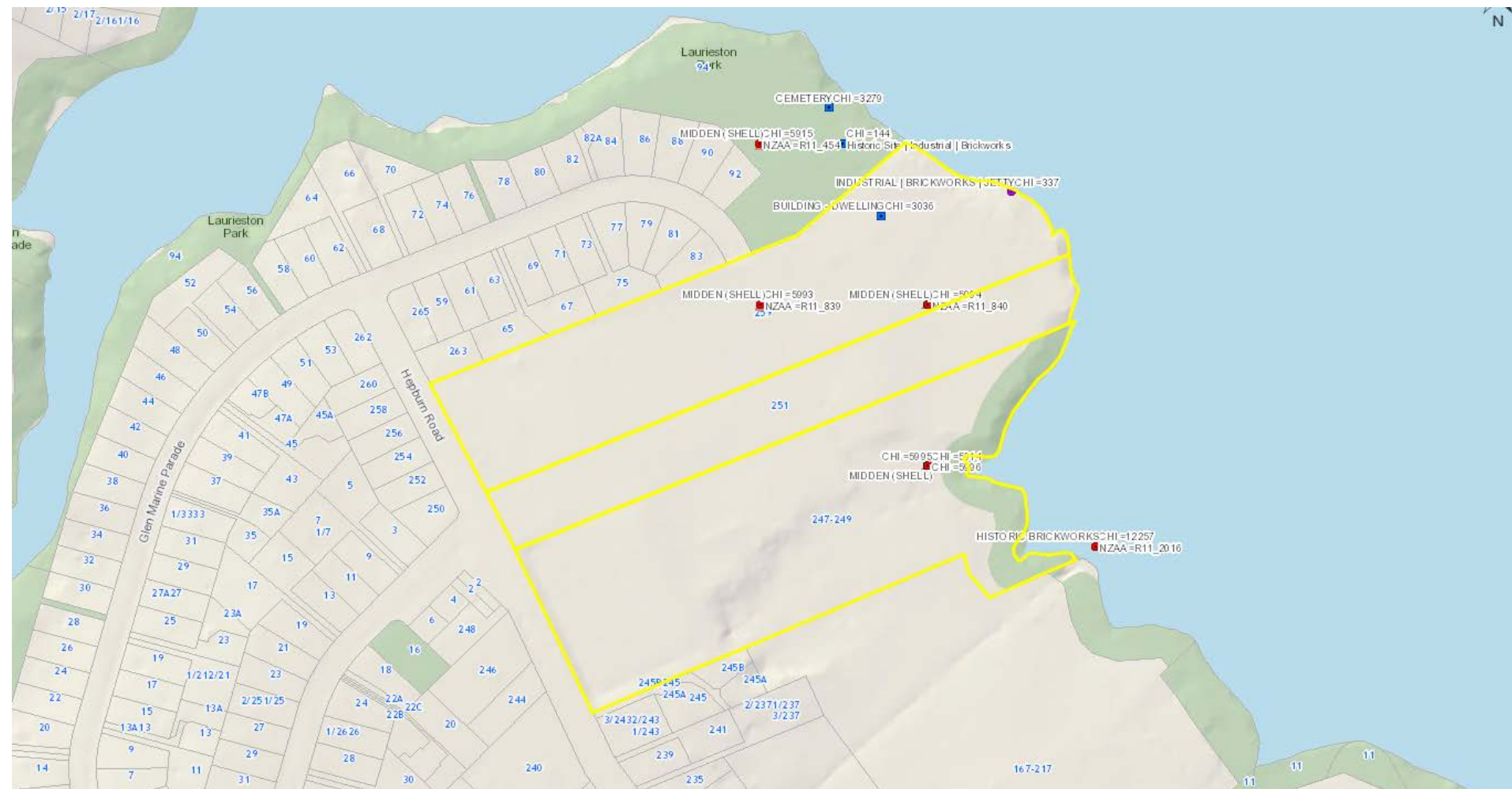
- Documents used to create 'risk' layers ie CHI
- Some sites now on NZAA eg Limeburner's, Kowhai Park kilns
- Some sites are still at HUGE risk e.g. Hepburn Rd
- We in the Heritage Unit get to identify effects that are 'less than minor' and 'not contrary to objectives and policies of Auckland Plan'.

247-253 Hepburn Road Glendene

Malam, Laurie



What the planners see



What we see: part of DP 5170 of 1885 and WARC c.1900

surveyed and pegged on the ground, in the manner required by the instructions issued by the Surveyor-General for the guidance of licensed Surveyors under the Land Transfer Act.

That this map truly represents the said land lying to the boundaries pointed out by (or on behalf of) the applicant.

That all existing fences and buildings, so far as they affect the boundaries of the said land, are shown on the said plan, and are in the positions stated.

That to the best of my knowledge and belief the land is now occupied by the

applicant

"I make this solemn declaration conscientiously knowing the same to be true, and by virtue of an Act of the General Assembly of New Zealand entitled 'The Justices of the Peace Act, 1866.'"

Declared at Auckland

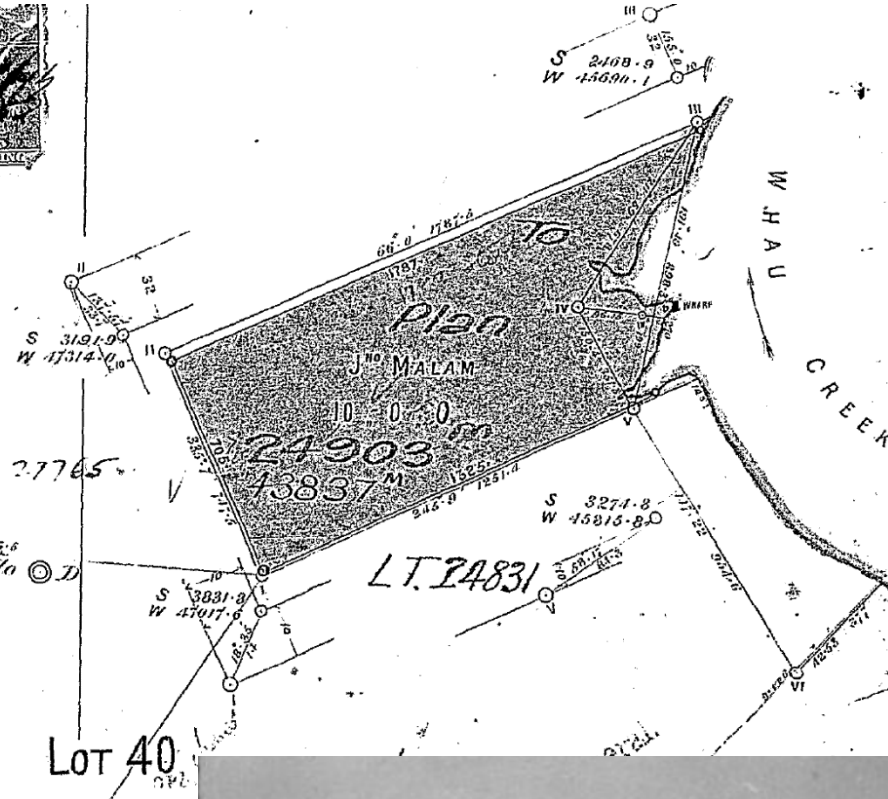
this Twentieth day of

May, one thousand

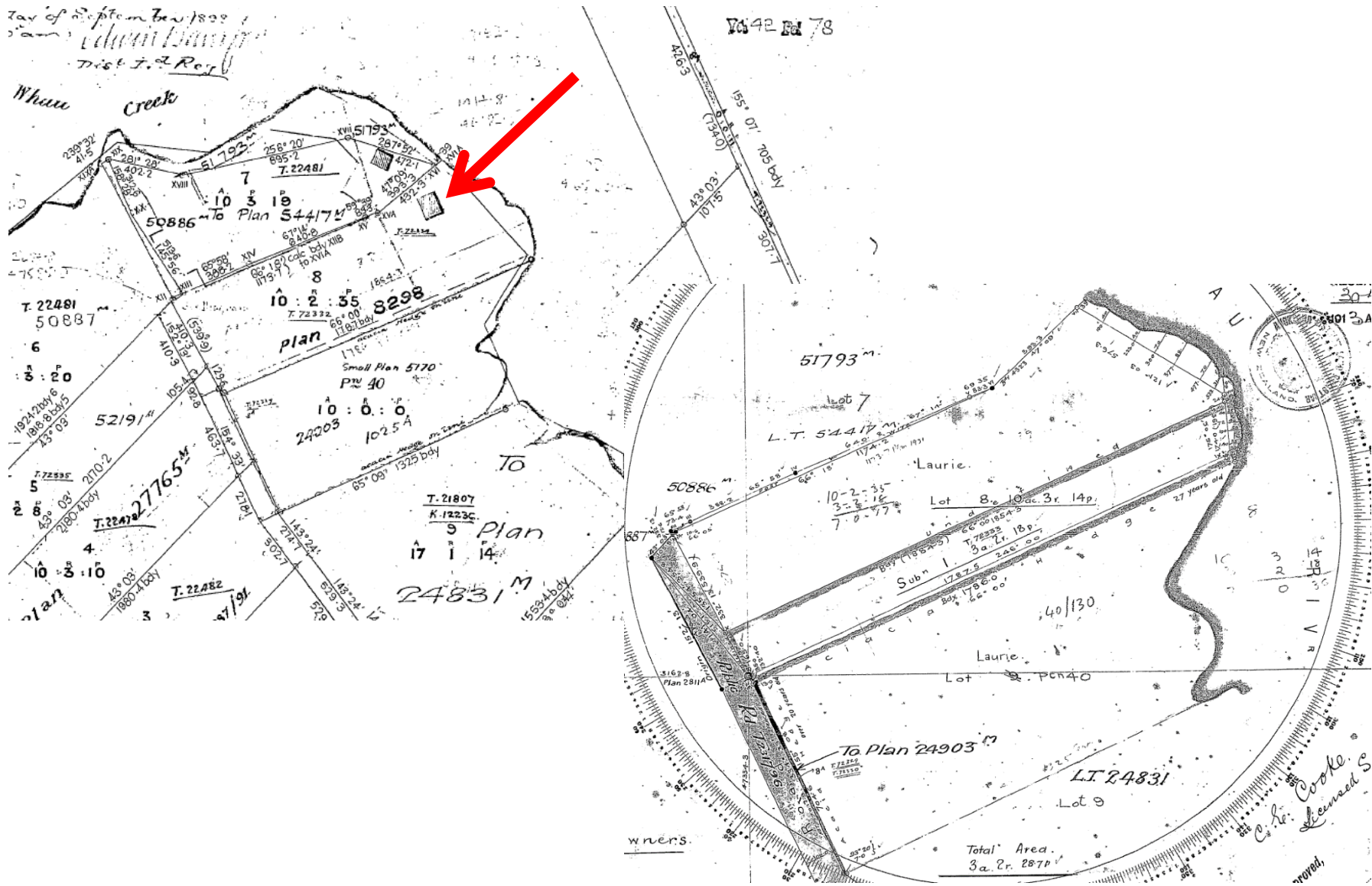
eight hundred and eighty

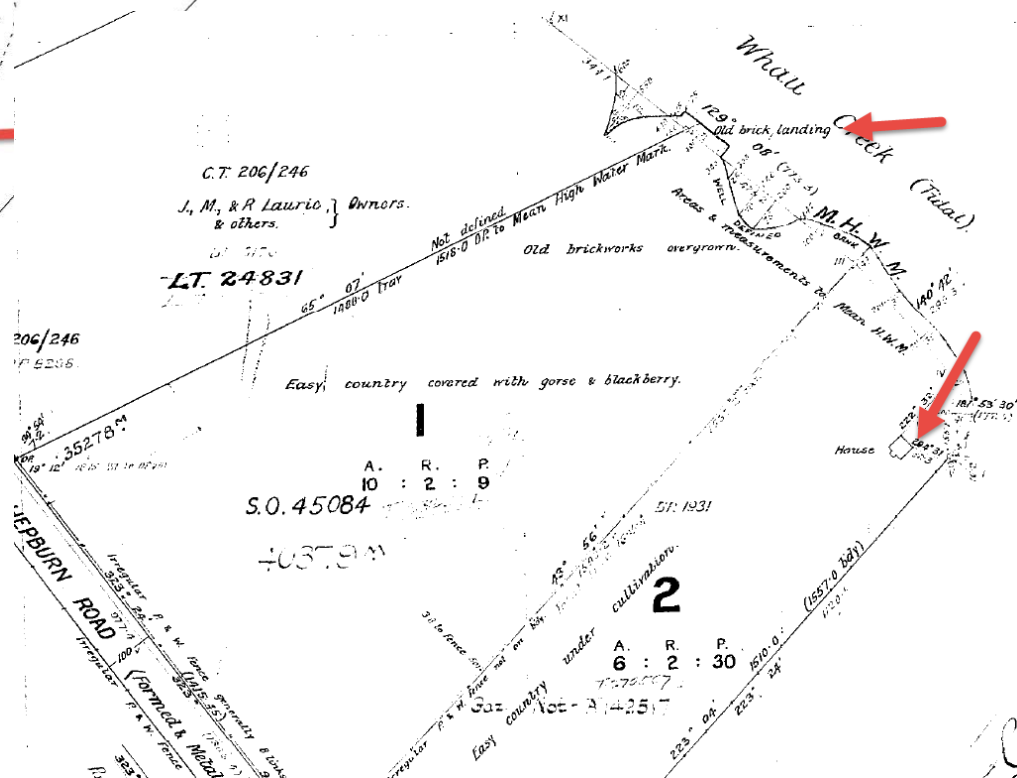
five

me, Frederick L. Purvis



Tax of September 1892
 Paid by William H. H. H.
 Dist. J. & R. J.





Laurie bros brickworks (L) and Malam brickworks (R) dated c.1900

Photo: Charles
Spearpoint (JTD-11G-02332. West Auckland Research Centre, Auckland Libraries)



RC pre-application – where we get stuck

1959 aerial showing
brickworks & grape vines.

Also relocation of
industrial activities
(pre and post 1900)

But are they
'important' enough?

Where is the most
significant landscape?



What's missing in the mud?

- Fieldbooks :
 - FB 364 pp105-7 of 1962 (DP 51793)
 - FB 396 pp72-3 of 1964 (DP 54417)
 - FB 101 p19 of 1933 (DP 24831)
- Other digital sources – eg Paperspast (NZH 1881, AS 1932), Cyclopedia (NZETC), AKL Museum (Exler insulator)

WILSON'S
HYDRAULIC LIME
TRADE ★ MARK
J. Wilson & Co
AUCKLAND, N. Z.

THIS LIME is a natural cement, suitable for brick or stonework, plastering buildings and tanks, constructing concrete sea walls, docks, sewers, tunnels, buildings, tanks, floors, etc. Sold in any form required, either ground, underground, or slake.

Also,
BRICKS, SAND, PIPES, &c.

Ask for Wilson's, and see that each bag bears the trade mark, as none are genuine without it.
Please apply for estimates, circulars explaining treatment, and information about framing for buildings, tanks, etc.

JOHN WILSON AND CO.,
Breakwater Road.

N.B.—Sole agent for the above Lime and **Malam's** Bricks.



Class 28.—Sanitary Appliances.
374—AUCKLAND BRICK & TILE COMPANY, Auckland.
Socket Drain Pipes, &c.
Tiles.

ART. L.—Analyses of a few of the Fire-clays of the Province of Auckland.
By J. A. Pono.
[Read before the Auckland Institute, 11th October, 1875.]

LANDMARK VANISHES. SMOKE STACK DEMOLISHED.

WAIKUMETE BRICK KILN.

A landmark in the Waikumete district was removed yesterday, when the tall smoke stack belonging to Messrs. **Laurie Bros.' brick** kiln, which has been idle for the last four years, was demolished. The chimney was 112ft high and its fall was spectacular, a large number of people being present. Mr. J. S. **Laurie**, who was present, was a member of the original **brick** company, and when the stack was constructed he placed the last **brick** in position.

To ensure the collapse of the chimney a portion of the base was removed and the gap was blocked with wood. This "plug" was then saturated with oil and fired. The destruction took about 20 minutes to accomplish, and the chimney fell in the direction desired. Approximately 65,000 bricks were used in the chimney, and its estimated weight was 220 tons. It was 18ft square at the base, tapering to six or seven feet at the top.