

APPENDIX B

HISTORICAL RIVER ALIGNMENTS



1936





1951



ALIGNMENT I 1936
taken from a non rectified mosaic
of Aerial contact prints.
N.Z. Army 1936

ALIGNMENT II 1951
taken from a rectified mosaic of Aerial contact prints.
N.Z. Aerial Mapping Ltd.
Hastings N.Z. 1951

KEY

-  Shingle banks
-  River channel

SHEET 1
HUTT CITY
The Estuary



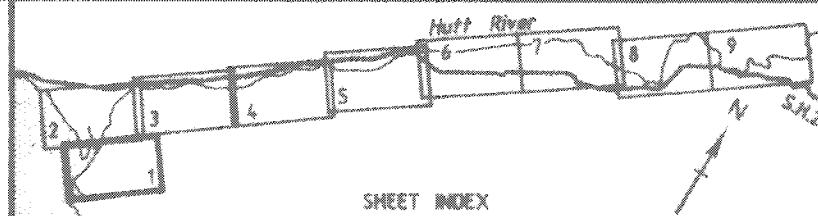
River alignment data from historical maps
and photos held by Rivers Department.
Photographic base from DOSLI
and N.Z. Aerial Mapping.
River alignment overlays produced by
Land Resources Department using WREGGIS.
Map data copyright WRC 1990.



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**HUTT RIVER FLOOD CONTROL
SCHEME REVIEW 1990
HISTORICAL RIVER ALIGNMENTS**

Appendix B



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RECTIFIED PHOTO SHEET
The photobase is a halftone enlargement.
A best mean fit has been obtained from scaling data.
The photographic image is not orthogonal
and some displacement of image may occur
as a result of differences in ground elevations.
Aerial Photography SN 8457 Flown 28/1/85



1967





1974



ALIGNMENT I 1967
taken from Aerial contact prints
Aerial Surveys Ltd.
Nelson N.Z. 1967

ALIGNMENT II 1974
taken from Aerial contact prints
N.Z. Aerial Mapping Ltd.
Hastings N.Z. 1974

KEY
 Shingle banks
 River channel

SHEET 1
HUTT CITY
The Estuary



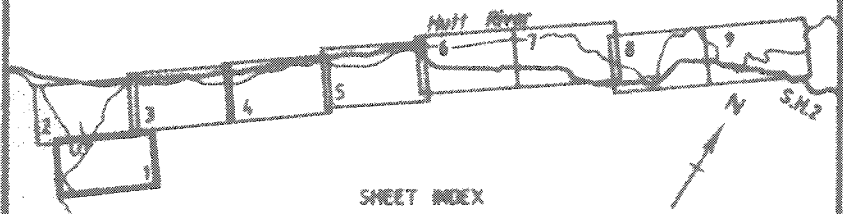
River alignment data from historical maps and photos held by Rivers Department. Photographic base from DOSLI and N.Z. Aerial Mapping. River alignment overlays produced by Land Resources Department using WREGGIS. Map data copyright WRC 1990.



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N.Z. Aerial Mapping Ltd.
Hastings N.Z. 1951

KEY
 Shingle banks
 River channel

SHEET 2
HUTT CITY
Petone and Lower
Hutt Central



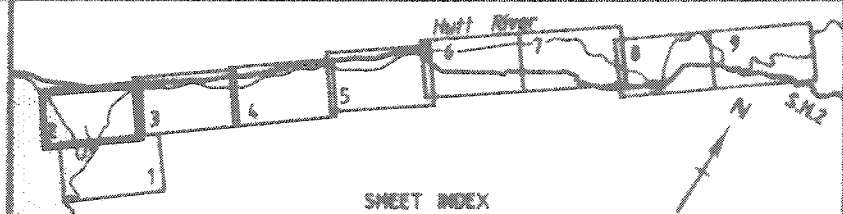
River alignment data from historical maps
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1967

1974

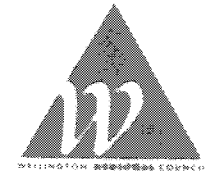


ALIGNMENT I 1967
taken from Aerial contact prints
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Nelson N.Z. 1967

ALIGNMENT II 1974
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N.Z. Aerial Mapping Ltd.
Hastings N.Z. 1974

KEY
 Shingle banks
 River channel

SHEET 2
 HUTT CITY
 Petone and Lower
 Hutt Central



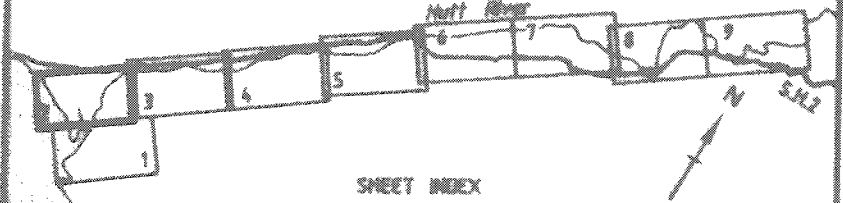
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 Aerial Photography SM 8457 flown 28/1/85

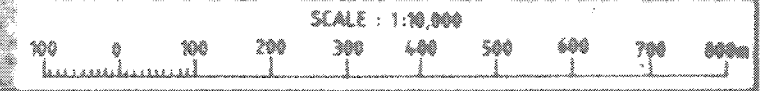
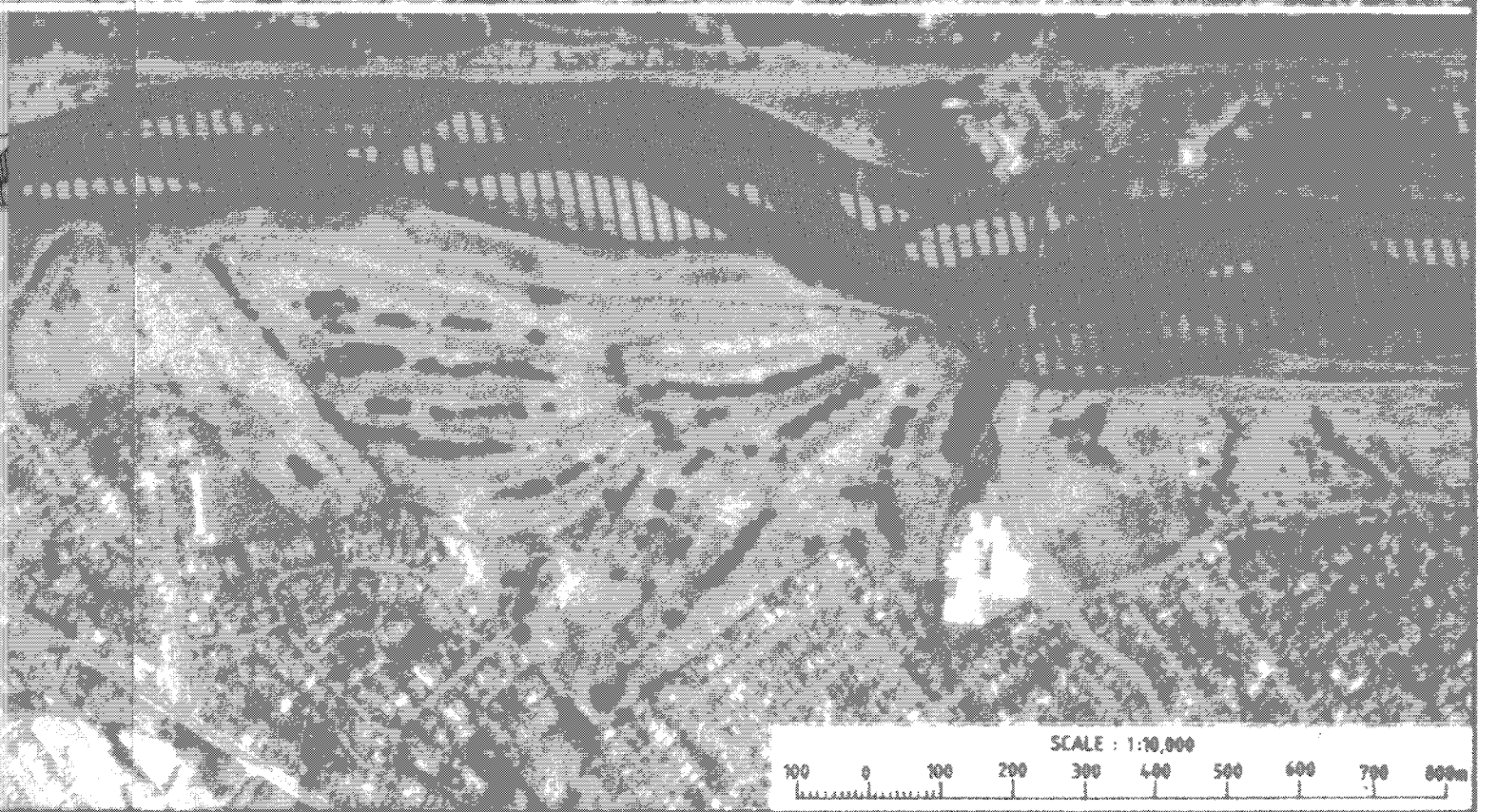
SHEET INDEX



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KEY

 Shingle banks

 River channel

SHEET 3
HUTT CITY
Melling to Avalon



River alignment data from historical maps and photos held by Rivers Department. Photographic base from DOSLI and N.Z. Aerial Mapping. River alignment overlays produced by Land Resources Department using WREGGIS. Map data copyright WRC 1990.

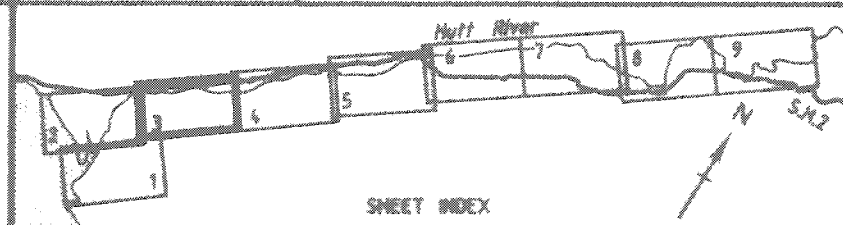


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HUTT RIVER FLOOD CONTROL SCHEME REVIEW 1990

HISTORICAL RIVER ALIGNMENTS

Appendix B



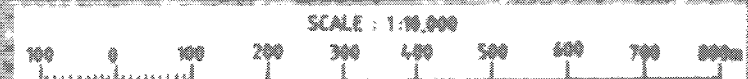
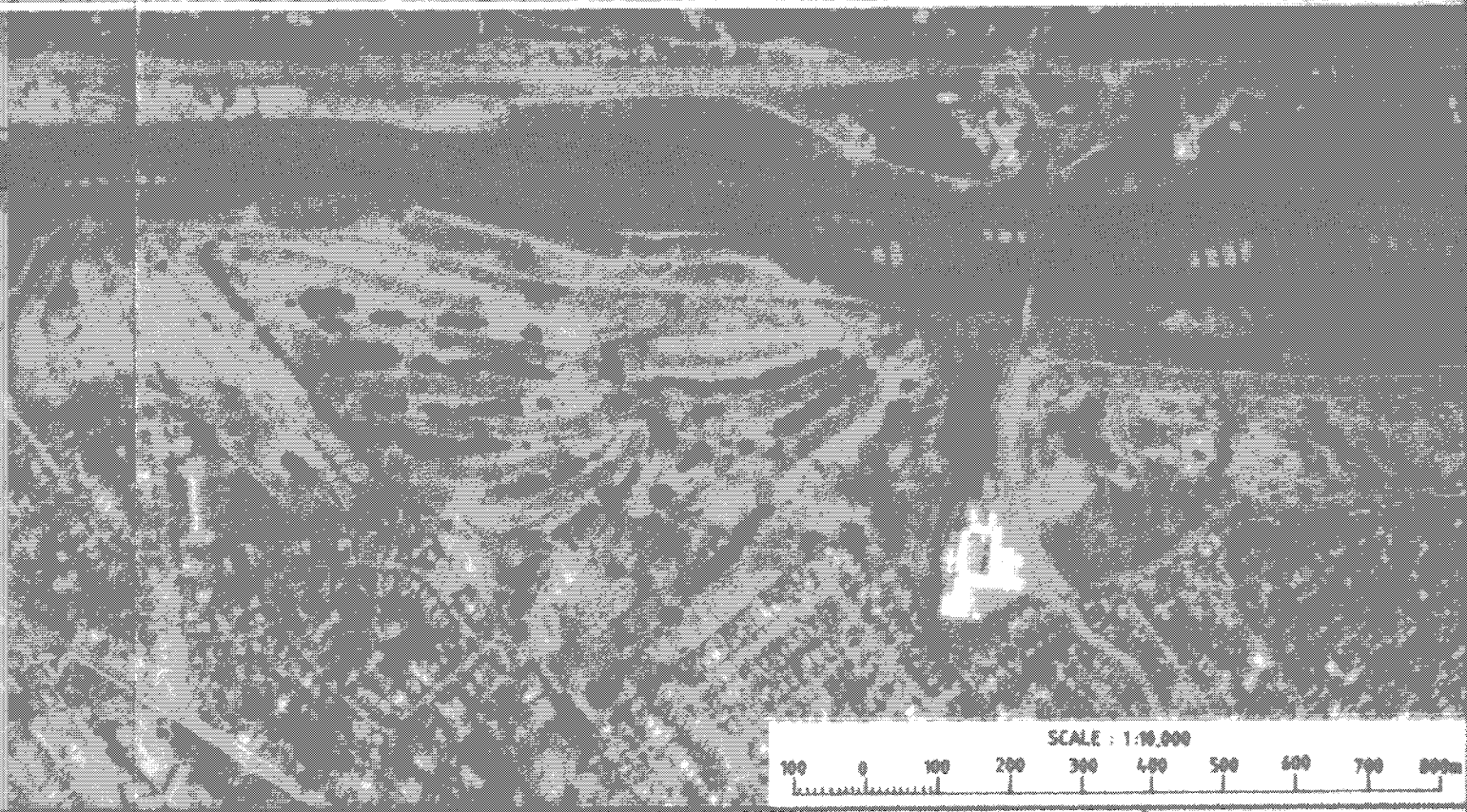
RECTIFIED PHOTO SHEET
The photobase is a half-tone enlargement. A best mean fit has been obtained from scaling data. The photographic image is not orthogonal and some displacement of image may occur as a result of differences in ground elevations.
Aerial Photography SN 8457 Plavn 28/1/85



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ALIGNMENT II 1974
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 N.Z. Aerial Mapping Ltd.
 Hastings N.Z. 1974

KEY

 Shingle banks


 River channel

SHEET 3
HUTT CITY
 Melling to Avalon


 Wellington Regional Council

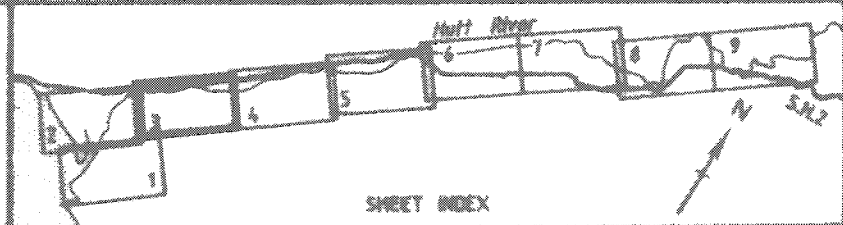
River alignment data from historical maps and photos held by Rivers Department. Photographic base from DQSLI and N.Z. Aerial Mapping. River alignment overlays produced by Land Resources Department using WREGGIS. Map data copyright WRC 1990.


 Infomap
 Department of SURVEY AND LAND INFORMATION

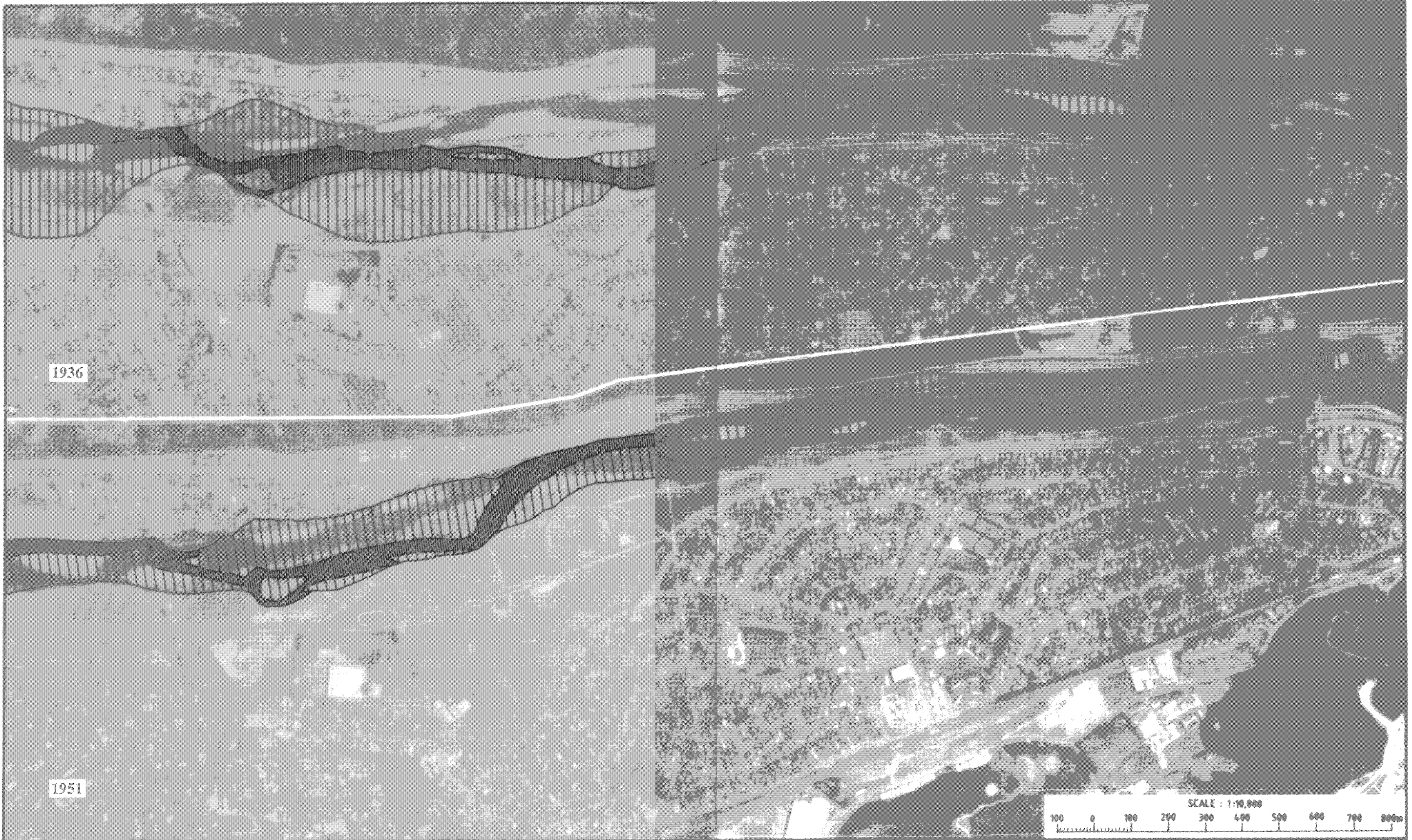
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HISTORICAL RIVER ALIGNMENTS

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Hastings N.Z. 1951

KEY

-  Shingle banks
-  River channel

SHEET 4

HUTT CITY

Taita



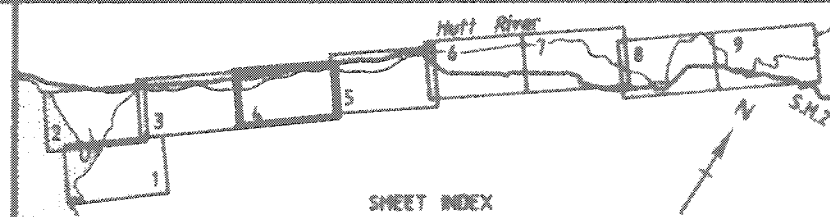
River alignment data from historical maps and photos held by Rivers Department. Photographic base from DOSLI and N.Z. Aerial Mapping. River alignment overlays produced by Land Resources Department using WREGGIS. Map data copyright WRC 1990.



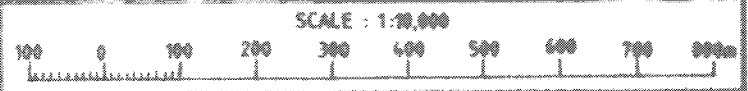
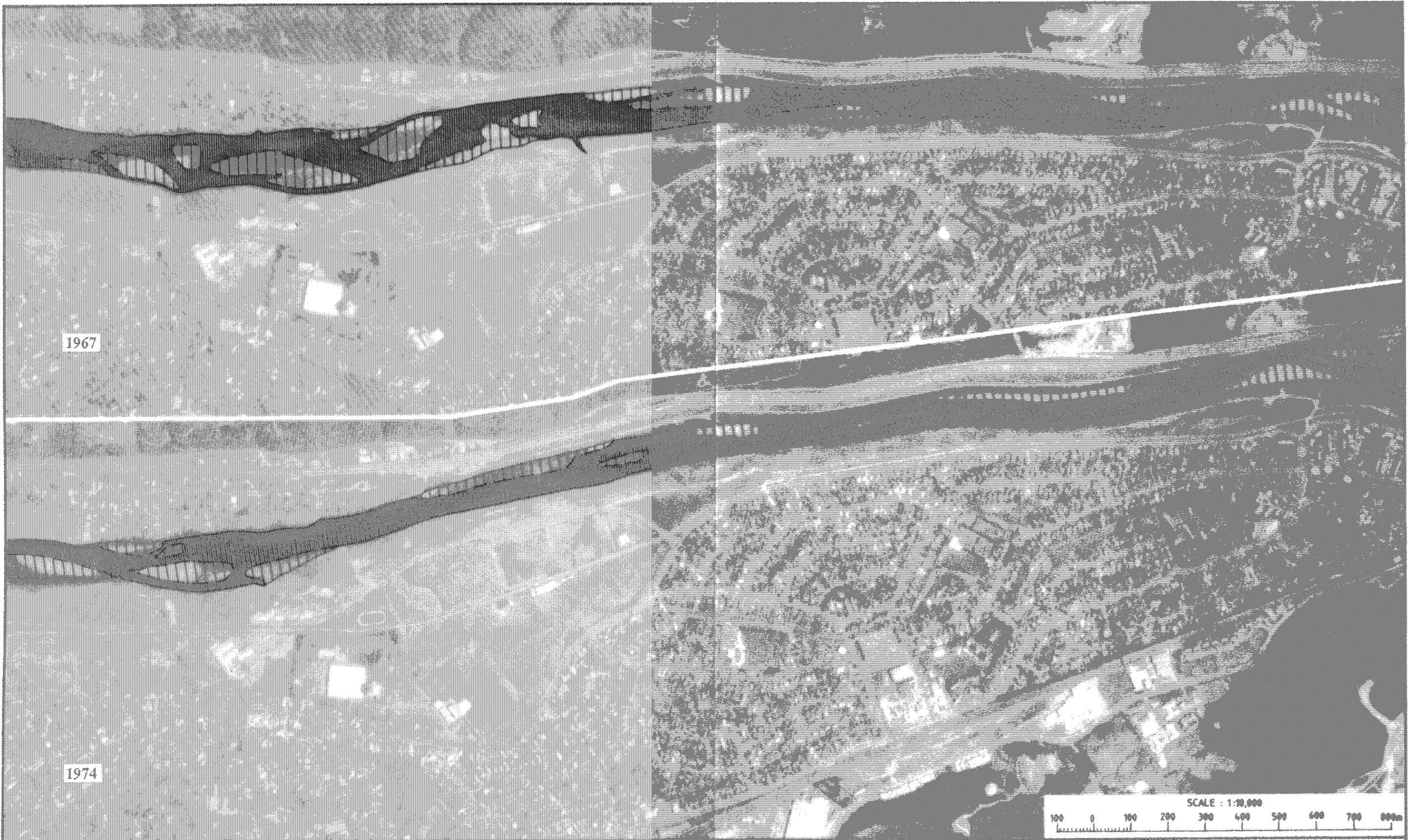
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**HUTT RIVER FLOOD CONTROL
SCHEME REVIEW 1990
HISTORICAL RIVER ALIGNMENTS**

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Aerial Photography SN 8457 flown 28/1/85



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Hastings N.Z. 1974

KEY
 Shingle banks
 River channel

SHEET 4
HUTT CITY
Taita



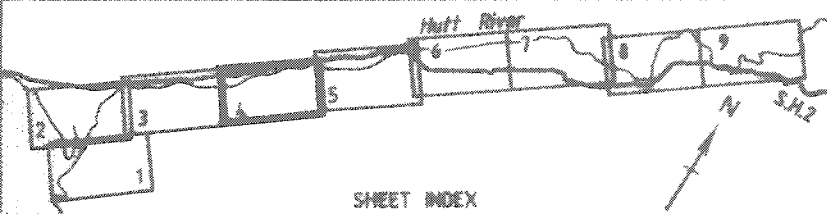
River alignment data from historical maps and photos held by Rivers Department. Photographic base from DGSU and N.Z. Aerial Mapping. River alignment overlays produced by Land Resources Department using WREGGIS. Map data copyright WRC 1990.



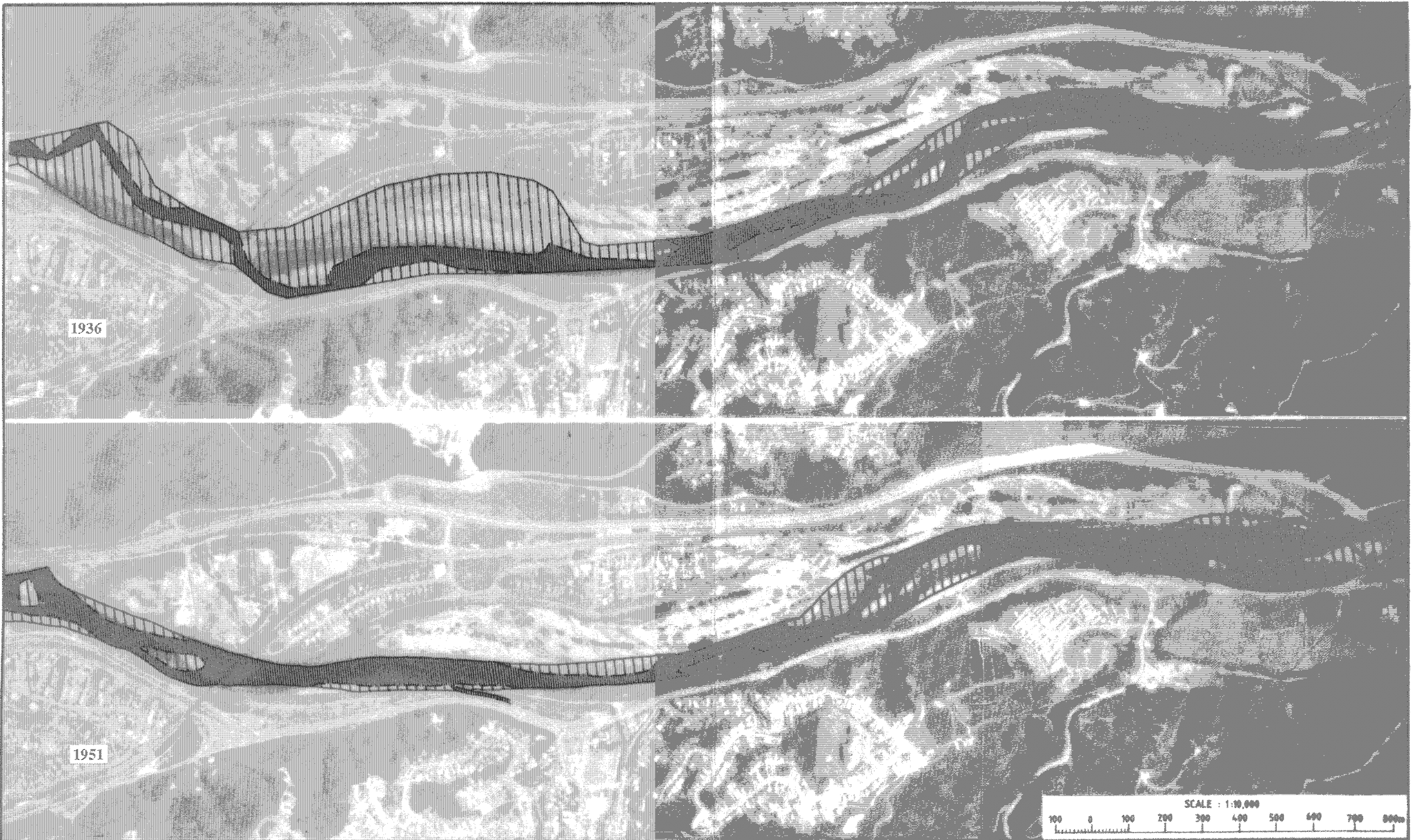
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HUTT RIVER FLOOD CONTROL SCHEME REVIEW 1990
HISTORICAL RIVER ALIGNMENTS

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1936

1951

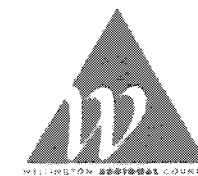


ALIGNMENT I 1936
taken from a non rectified mosaic
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N.Z. Army 1936

ALIGNMENT II 1951
taken from a rectified mosaic of Aerial contact prints.
N.Z. Aerial Mapping Ltd.
Hastings N.Z. 1951

KEY
 Shingle banks
 River channel

SHEET 5
HUTT CITY
Taifa Gorge



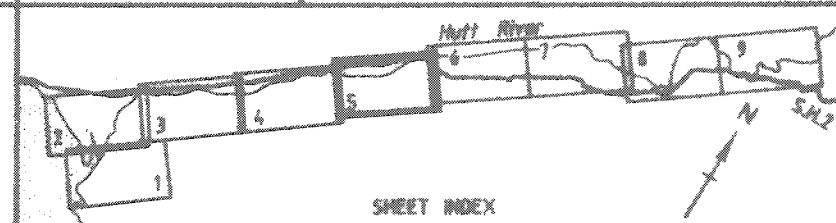
River alignment data from historical maps
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Photographic base from DOSLI
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River alignment overlays produced by
Land Resources Department using WREGGIS.
Map data copyright WRC 1990.



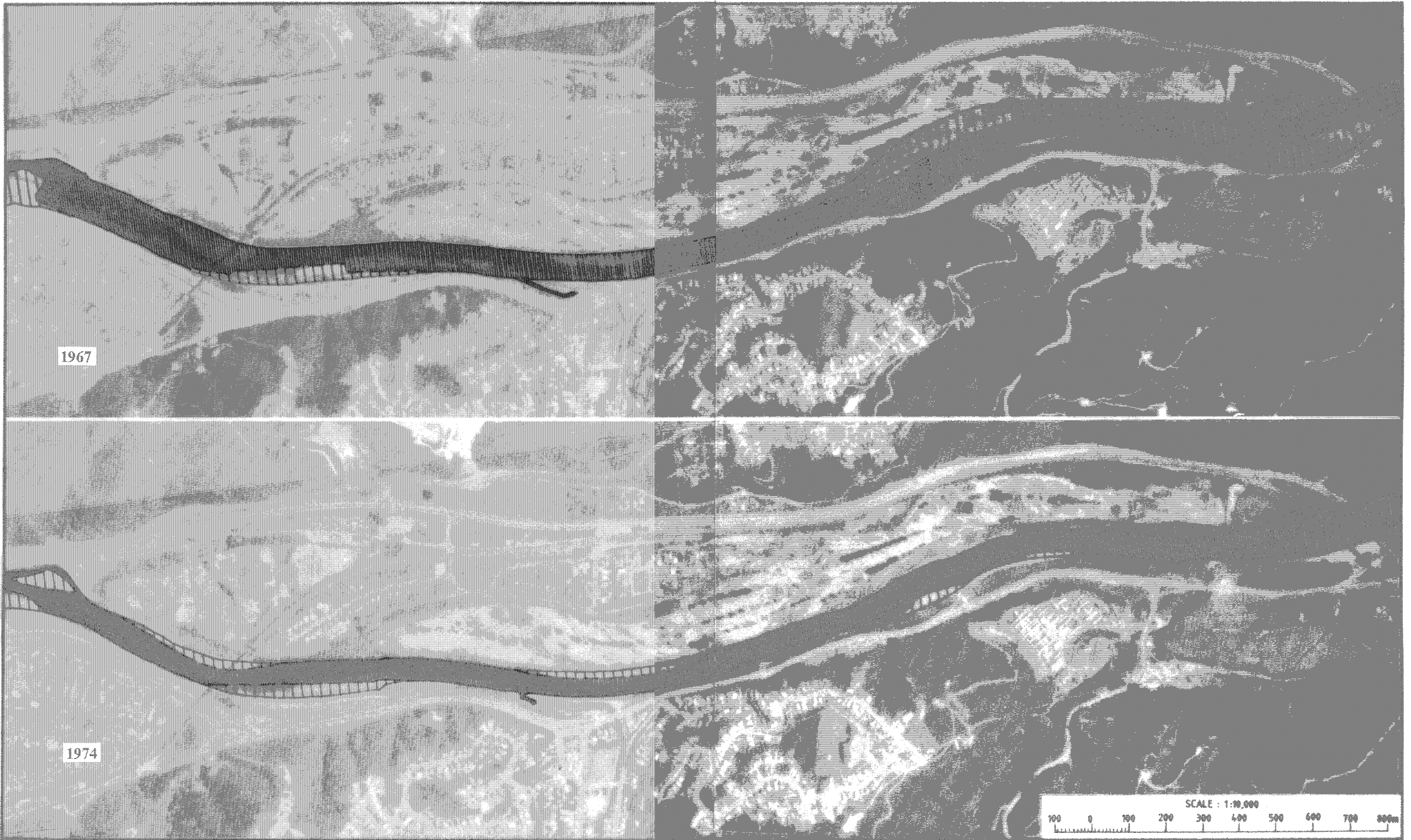
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SCHEME REVIEW 1990
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1967

1974



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Aerial Surveys Ltd.
Nelson N.Z. 1967

ALIGNMENT II 1974.
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N.Z. Aerial Mapping Ltd.
Hastings N.Z. 1974

KEY
 Shingle banks
 River channel

SHEET 5
HUTT CITY
Taita Gorge



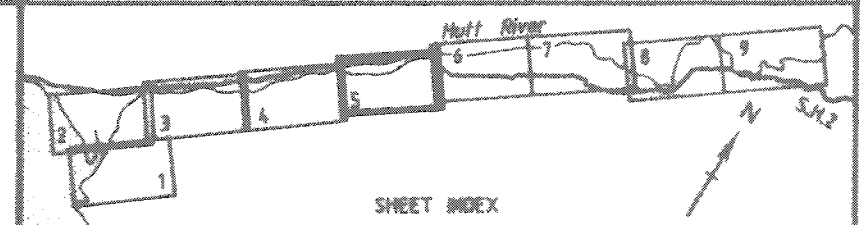
River alignment data from historical maps and photos held by Rivers Department. Photographic base from DQSLI and N.Z. Aerial Mapping. River alignment overlays produced by Land Resources Department using WREGGIS. Map data copyright WRC 1990.



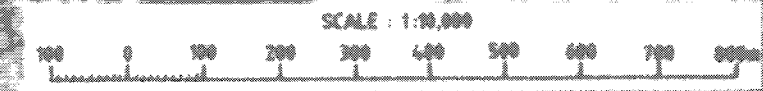
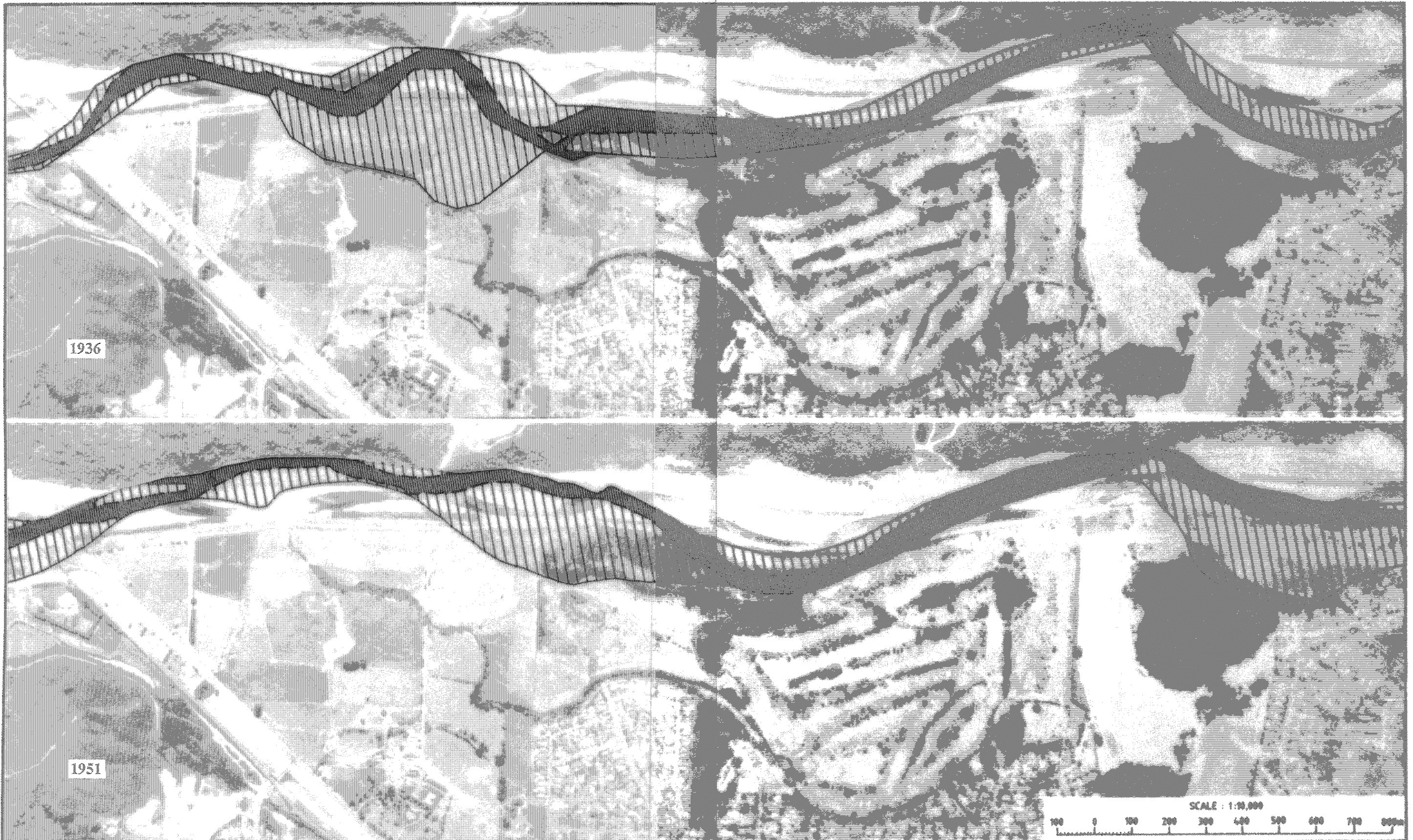
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HUTT RIVER FLOOD CONTROL SCHEME REVIEW 1990
HISTORICAL RIVER ALIGNMENTS

Appendix B





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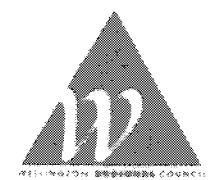


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N.Z. Army 1936

ALIGNMENT II 1951
taken from a rectified mosaic of Aerial contact prints.
N.Z. Aerial Mapping Ltd.
Hastings N.Z. 1951

KEY
 Shingle banks
 River channel

SHEET 6
UPPER HUTT CITY
Silverstream to
Barton's Bush



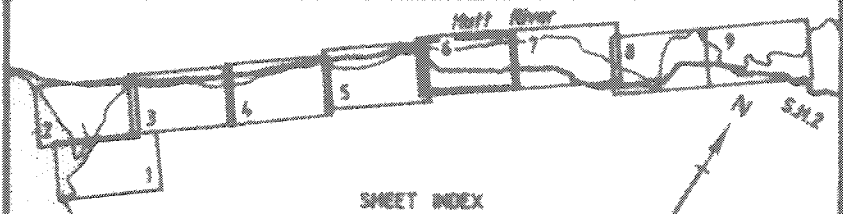
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Photographic base from DOSLI
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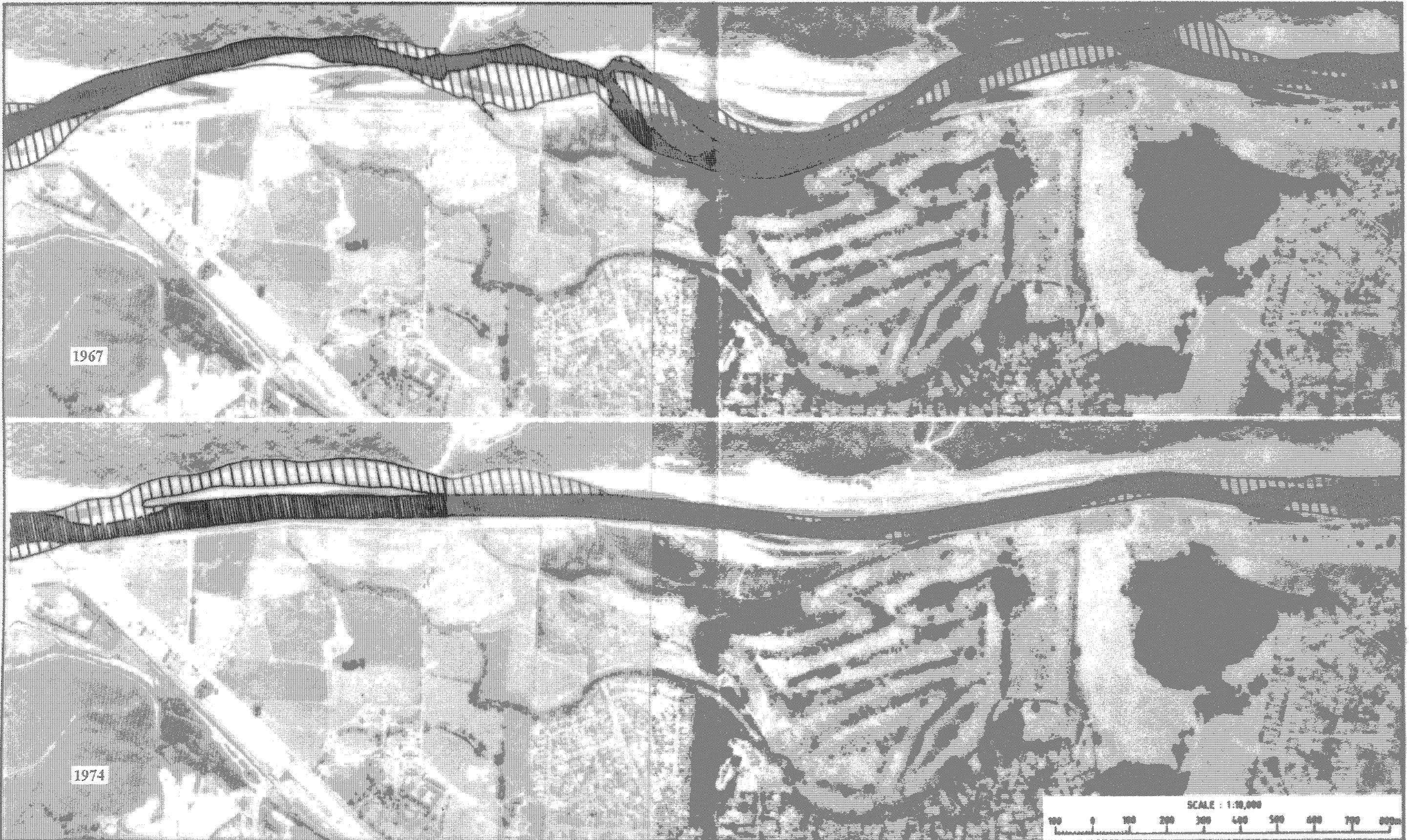
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**HUTT RIVER FLOOD CONTROL
SCHEME REVIEW 1990
HISTORICAL RIVER ALIGNMENTS**

Appendix B



ORTHOPHOTO SHEET
This orthophotomap is a differentially
rectified aerial photo, the photo detail
conforms to normal mapping accuracies.
Level Datum: Wellington Datum 1953
New City Datum (M.S.L. 0)
Orthophoto from Aerial Survey No. SN 8989 Plan 16/1/88.



1967

1974



ALIGNMENT I 1967
taken from Aerial contact prints
Aerial Surveys Ltd.
Nelson N.Z. 1967

ALIGNMENT II 1974
taken from Aerial contact prints
N.Z. Aerial Mapping Ltd.
Hastings N.Z. 1974

KEY

- Shingle banks
- River channel

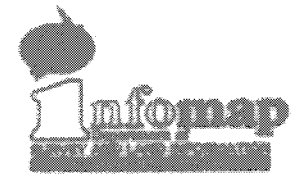
SHEET 6

UPPER HUTT CITY

Silverstream to
Barton's Bush



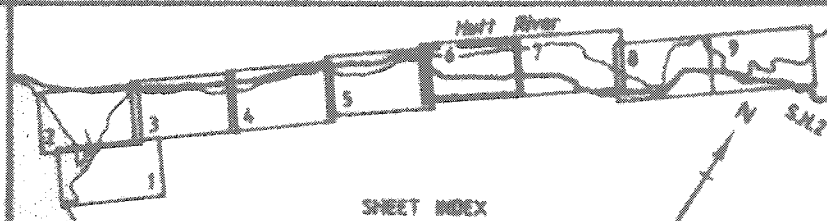
River alignment data from Historical maps
and photos held by Rivers Department.
Photographic base from DSSL
and N.Z. Aerial Mapping.
River alignment overlays produced by
Land Resources Department using WRCGIS.
Map data copyright WRC 1990.



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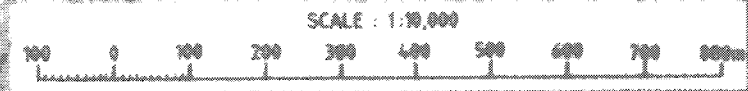
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Level Datum: Wellington Datum 1953
New City Datum (M.S.L. 0)
Orthophoto from Aerial Survey No. SN 5909 Plan 16/1/88.



ALIGNMENT I 1936
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N.Z. Army 1936

ALIGNMENT II 1951
taken from a rectified mosaic of Aerial contact prints.
N.Z. Aerial Mapping Ltd.
Hastings N.Z. 1951

KEY
 Shingle banks
 River channel

SHEET 7
UPPER HUTT CITY
Moonshine to
Totara Park



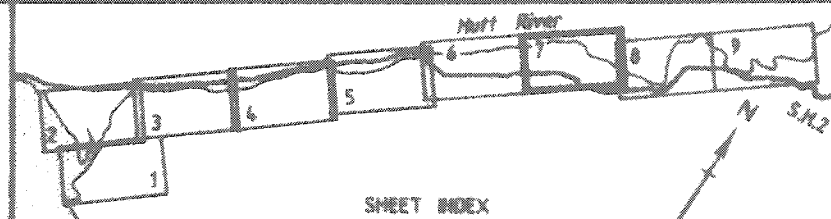
River alignment data from historical maps
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Map data copyright WRC 1990.



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Appendix B



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Orthophoto from Aerial Survey No. SN 8989 Flown 16/1/88.



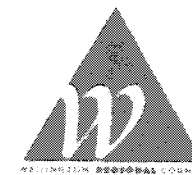
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Hastings N.Z. 1974

KEY

-  Shingle banks
-  River channel

SHEET 7
UPPER HUTT CITY
Moonshine to
Totara Park



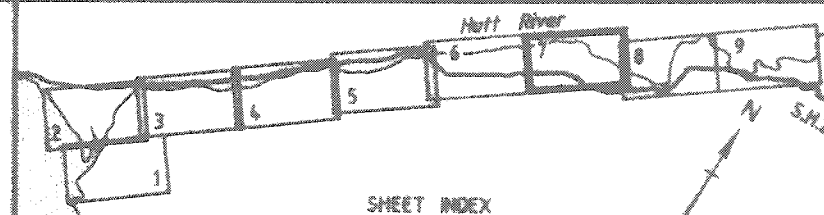
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Map data copyright WRE 1999.



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This orthophotomap is a differentially
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New City Datum (M.S.L. 0)
Orthophoto from Aerial Survey No. SN 8909 Flown 16/1/88.



1967

1974



SCALE : 1:10,000



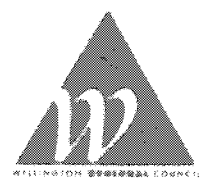
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KEY

-  Shingle banks
-  River channel

SHEET 8
UPPER HUTT CITY
Maoribank



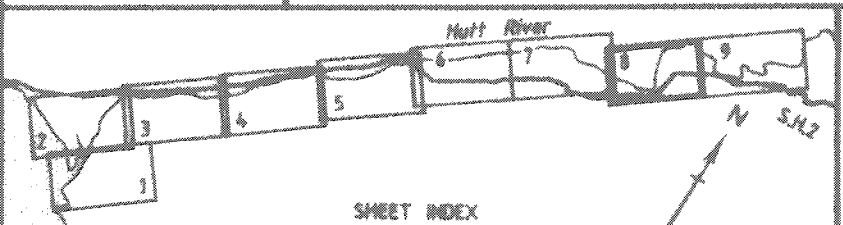
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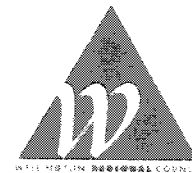


ALIGNMENT I 1936
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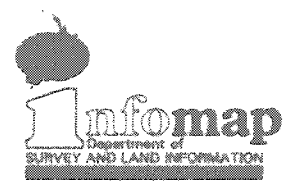
ALIGNMENT II 1951
 taken from a rectified mosaic of Aerial contact prints.
 N.Z. Aerial Mapping Ltd.
 Hastings N.Z. 1951

- KEY**
-  Shingle banks
 -  River channel

SHEET 8
 UPPER HUTT CITY
 Maoribank



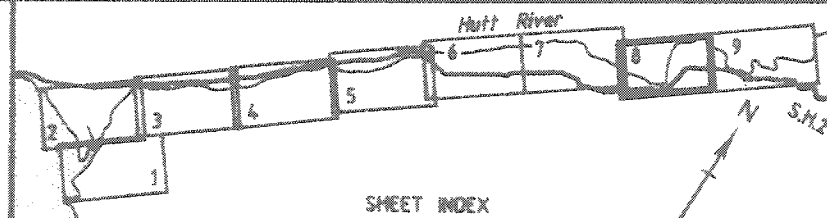
River alignment data from historical maps
 and photos held by Rivers Department.
 Photographic base from DOSLI
 and N.Z. Aerial Mapping.
 River alignment overlays produced by
 Land Resources Department using WREGGIS.
 Map data copyright WRC 1990.



Catchment Engineering
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**HUTT RIVER FLOOD CONTROL
 SCHEME REVIEW 1990
 HISTORICAL RIVER ALIGNMENTS**

Appendix B



SHEET INDEX

ORTHOPHOTO SHEET
 This orthophotomap is a differentially
 rectified aerial photo, the photo detail
 conforms to normal mapping accuracies.
 Level Datum: Wellington Datum 1953
 New City Datum (M.S.L. 0)
 Orthophoto from Aerial Survey No. SH 8989 flown 16/1/88.