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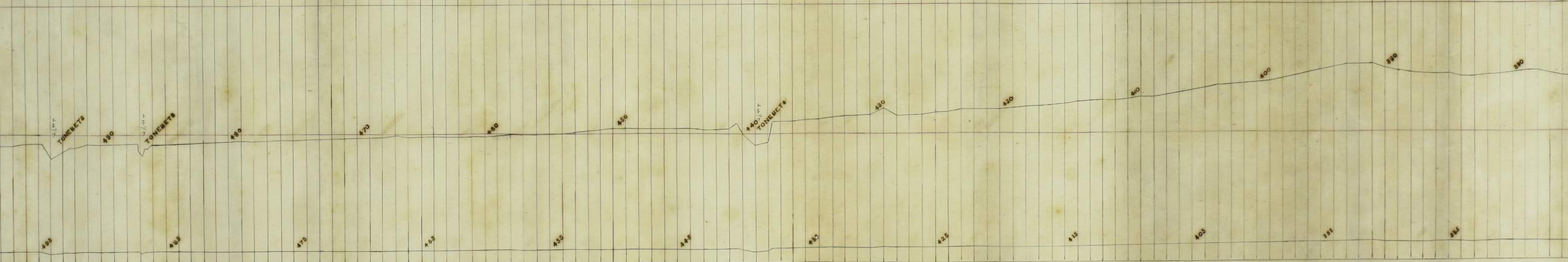
GEOLOGICAL SURVEY OF HOKKAIDO.
ROUGH PROFILE SECTIONS
OF THE
RAIL ROAD LINE
FROM
PORONAI TO HORUMIIBUTO.

SURVEYED IN 1875
BY BENJAMIN SMITH LYMAN, CHIEF GEOLOGIST,
AND T. INAGAKI, J. TAKAHASHI, I. BAN, E. YAMAGIWA
AND J. SHIMADA, ASSISTANT GEOLOGISTS.
LEVELLING (WITH HAND LEVEL) AND SECTIONS
BY J. TAKAHASHI.
29 DEC. 1875.

SCALE OF NATURE.
THE VERTICAL SCALE OF THE
UPPER SECTION IS EXAGGERATED
TEN TIMES.

北海道地質測量
ポロナイからホルムイブ
ト迄鉄道線の側面略圖
地質學長 邊士來曼實測
同補助 稻垣徹之進助之
同補助 高橋謙三助之
同補助 坂市太郎助之
同補助 山際永吾助之
同補助 萬田純一助之
高橋謙三手準を以て高
低を測り側面圖を製す
明治八年
十二月二十四日

THE VERTICAL FULL LINES ARE 100 FEET
APART AND ARE AT THE REGULAR STATIONS.
THE VERTICAL DOTTED LINES ARE AT
THE TANGENT POINTS.

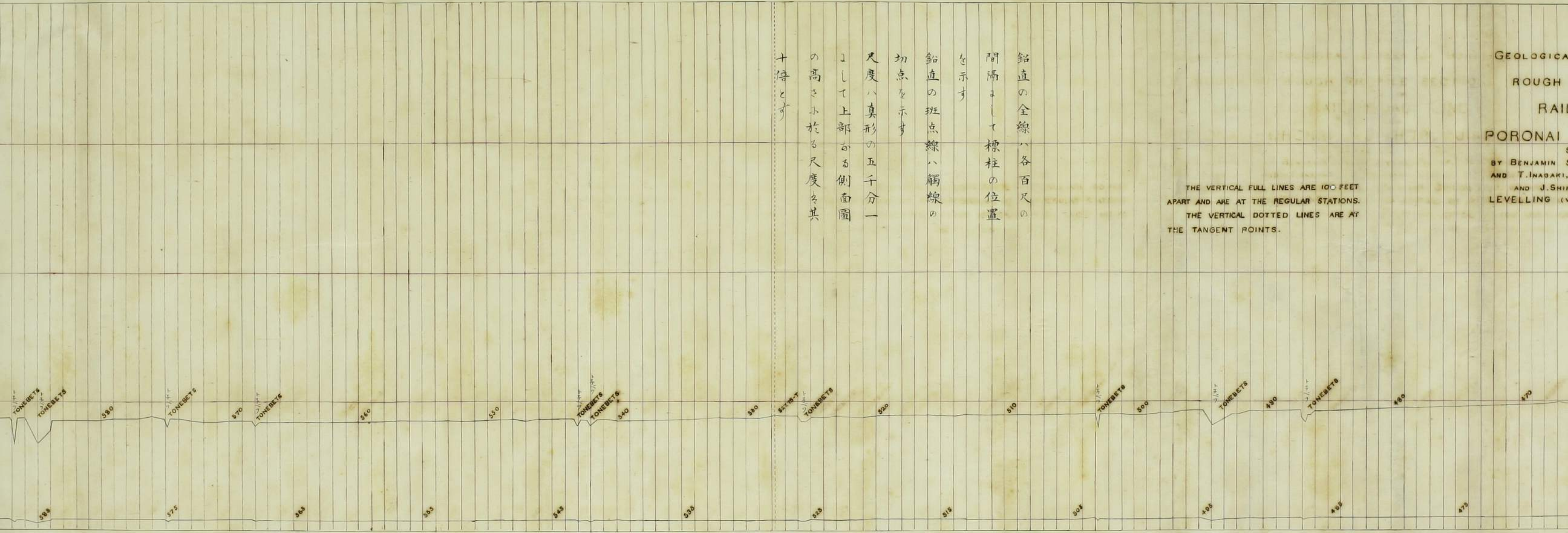


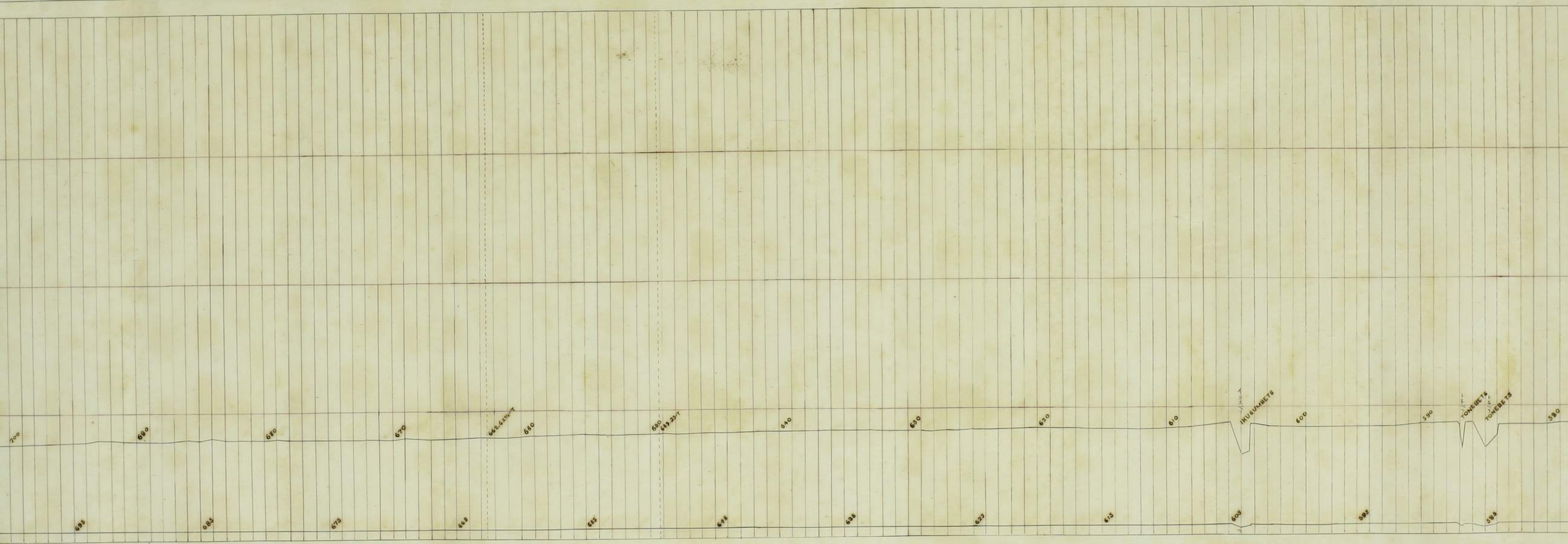
大正
十一年
四月
寄

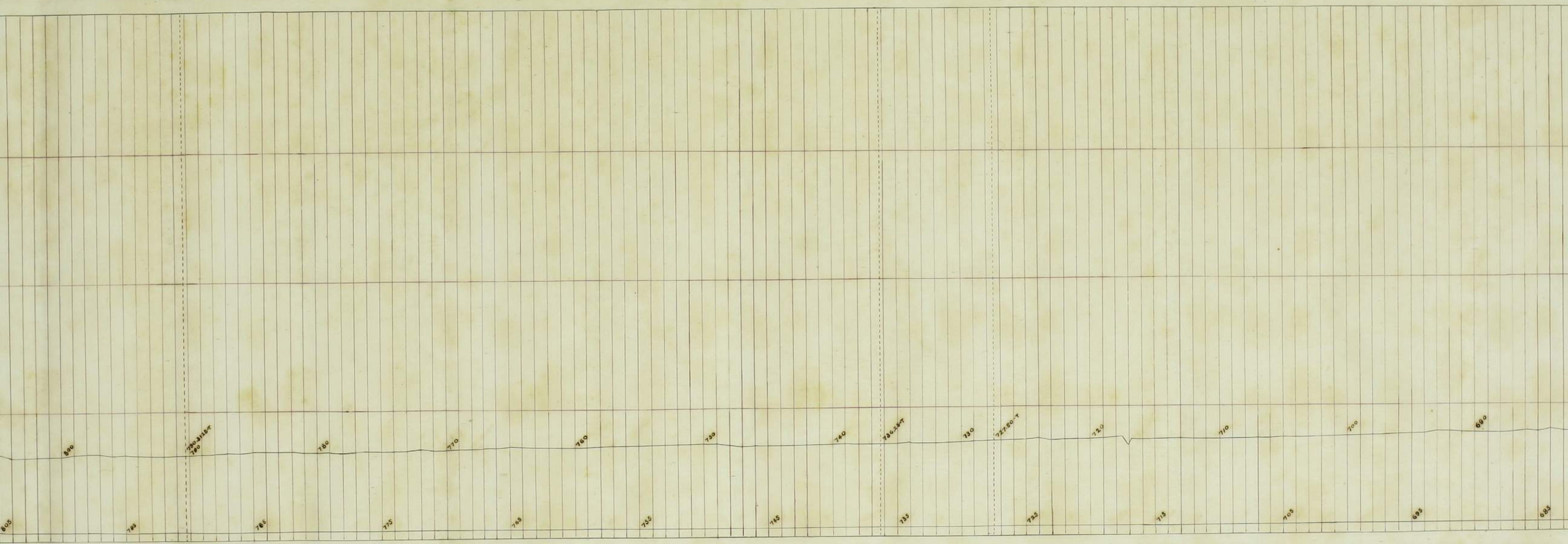
GEOLOGICAL
 ROUGH
 RAIL
 PORONAI
 BY BENJAMIN
 AND T. INADAKI,
 AND J. SHI
 LEVELLING (V

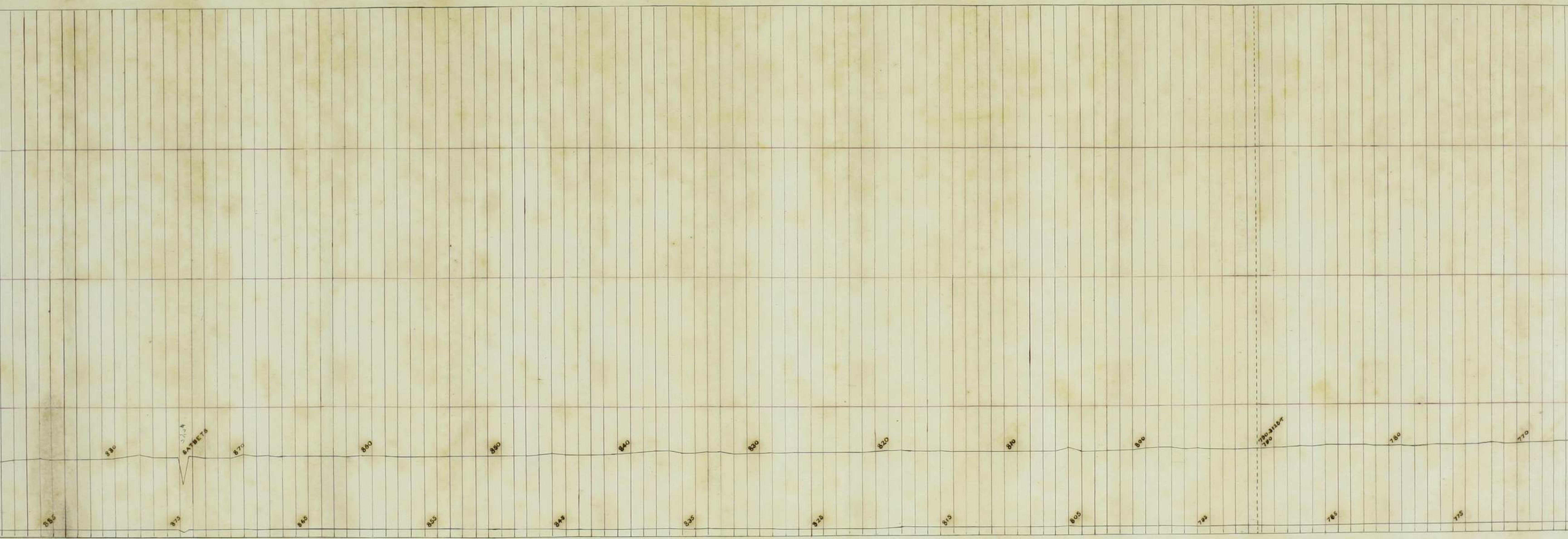
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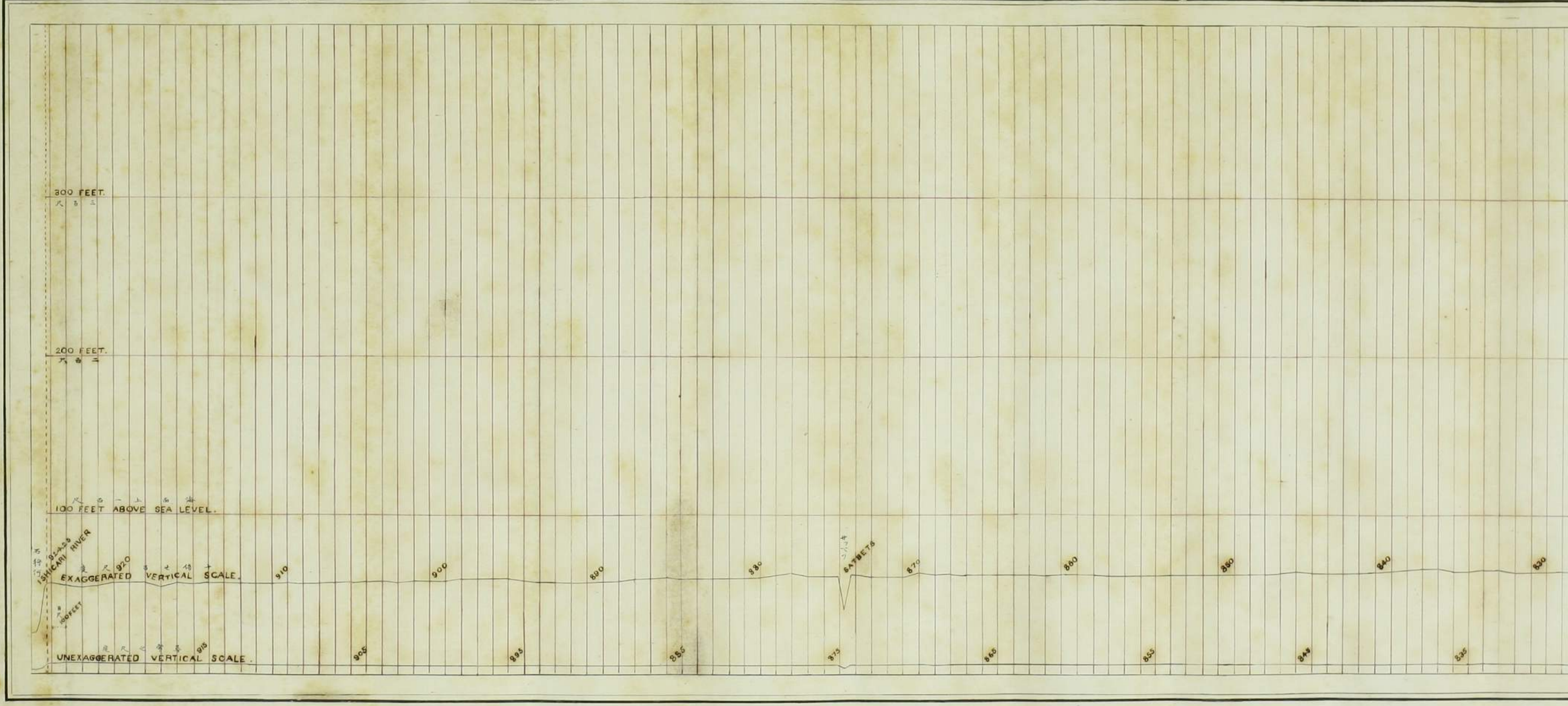
鉛直の全線ハ各百尺の
 間隔にして標柱の位置
 を示す
 鉛直の班点線ハ觸線の
 切点を示す
 尺度ハ真形の五千分一
 として上部ある側面圖
 の高さ小於る尺度を其
 十倍とす











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