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UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

INDEX TO PUBLISHED GEOLOGIC MAPS IN THE  
REGION AROUND THE POTENTIAL YUCCA MOUNTAIN NUCLEAR WASTE  
REPOSITORY SITE, SOUTHERN NYE COUNTY, NEVADA

Compiled by  
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Open-file Report 84-524

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This report is preliminary and has not been edited or reviewed  
for conformity with U.S. Geological Survey editorial standards  
or stratigraphic nomenclature.

Menlo Park, California  
1984

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INDEX TO PUBLISHED GEOLOGIC MAPS IN THE REGION AROUND THE  
POTENTIAL YUCCA MOUNTAIN NUCLEAR WASTE REPOSITORY SITE, SOUTHERN  
NYE COUNTY, NEVADA

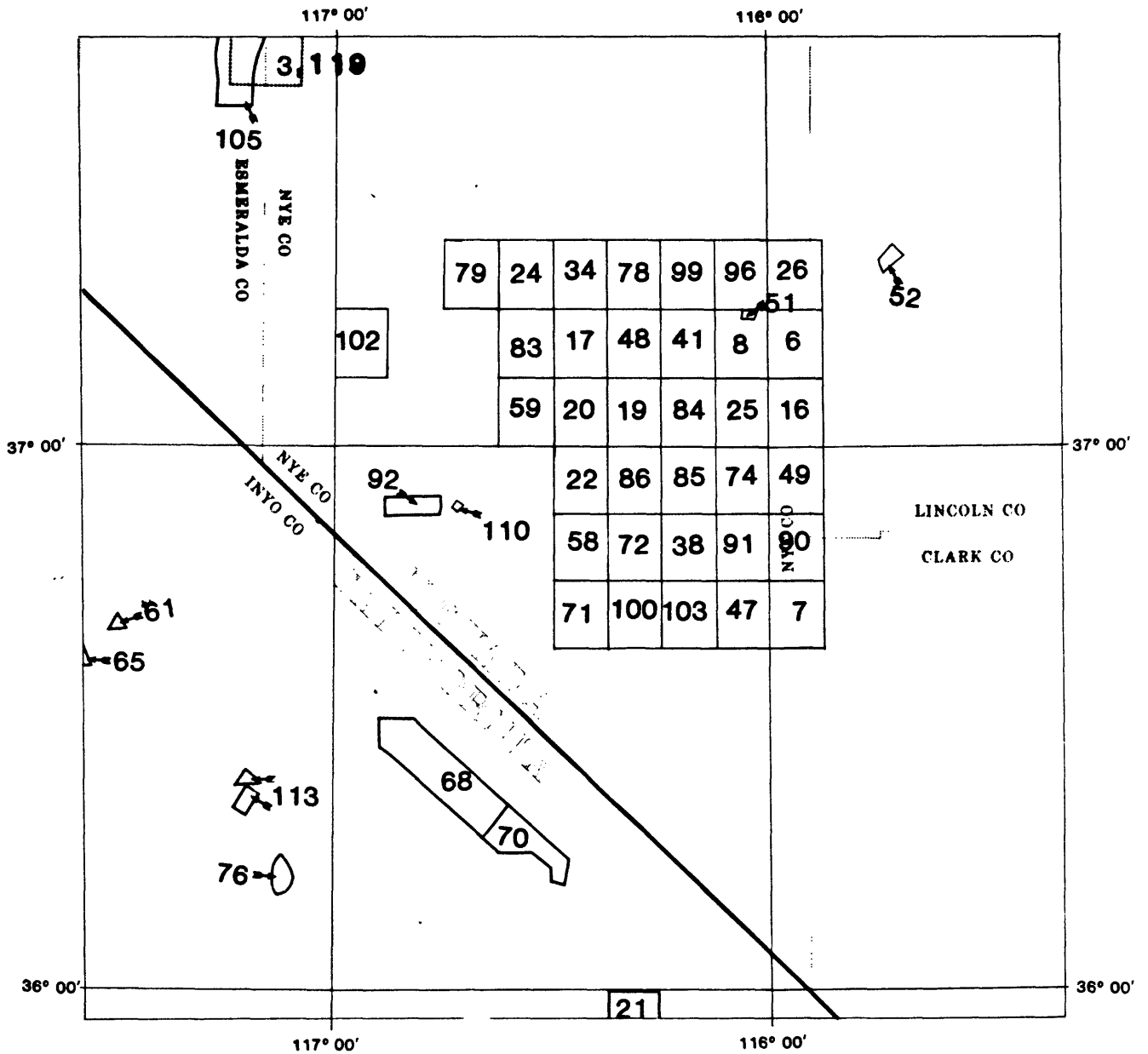
Yucca Mountain, located in southern Nye County, Nevada is currently being investigated as a potential site for an underground high-level radioactive waste repository (Figure 1). It has been the principle responsibility of the United States Geological Survey (U.S.G.S.), under agreement with the U.S. Department of Energy, to characterize the geology and hydrology of the potential site and the surrounding region.

The geology of the Yucca Mountain site is being studied at several scales, ranging from site-specific to studies of the regional framework. The area considered for the regional geologic framework characterization of a potential repository site, is known as the Candidate Area, and is specified by Nuclear Regulatory Commission guidelines 10CFR60 to include the area within a 100 kilometer radius of the potential site (Figure 1). The principle technical base for definition of the Candidate Area in the case of Yucca Mountain is the limits of the hydrologic flow system. The Candidate Area for the Yucca Mountain site contains all parts of the surface and subsurface hydrologic systems that include the site, except for a small part of the surface drainage along the Amargosa River in the southern parts of the Amargosa Desert and Death Valley.

The series of index maps presented in this report provide an up-to-date reference of published geologic maps covering the Candidate Area. The published maps range in scale from 1:1,200 though 1:700,000 and includes maps published by the U.S.G.S., State and commercial organizations, universities, and professional societies. U.S.G.S. open-file maps also are shown, but no attempt is made to include open-file material of other organizations. Ph.D dissertations pertaining to the area are not shown on the maps but are listed in Appendix A.

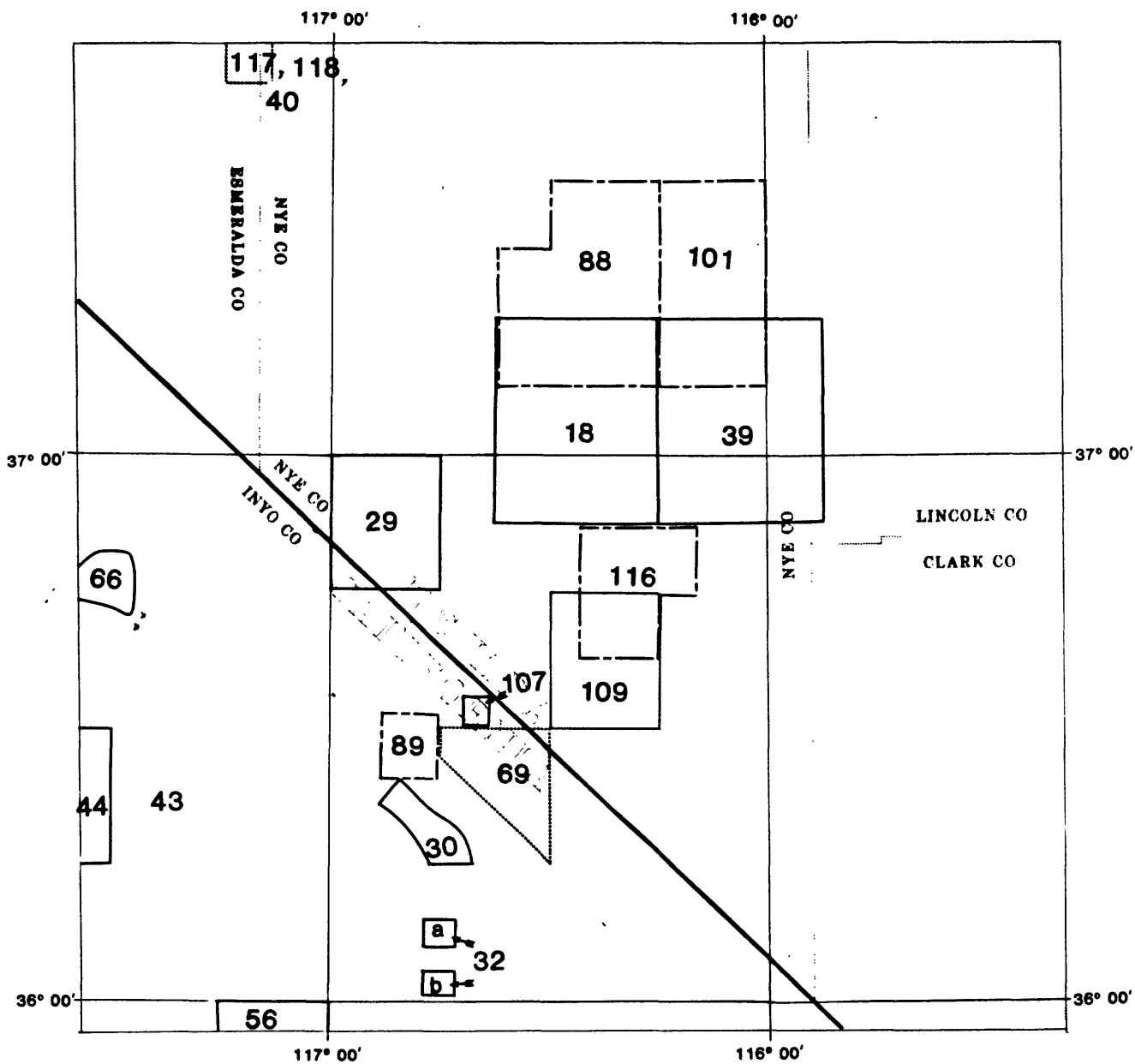
At the end of most references, there are numbers found in parentheses. The first number designates the source of the citation and the second number designates its code in that source. Sources are found on pages 30-31.



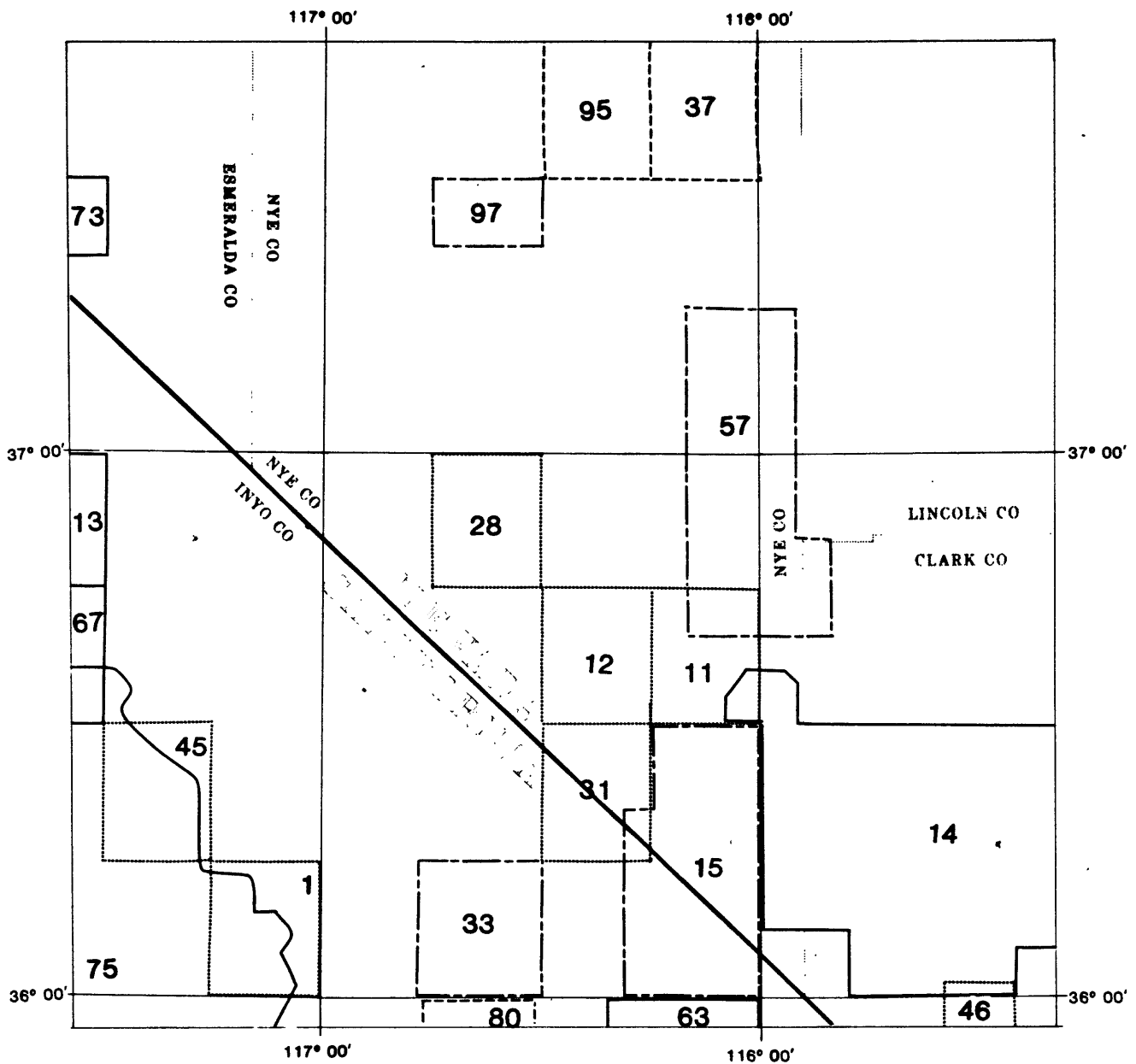


MAPS AT SCALES 1:24,000 OR LARGER

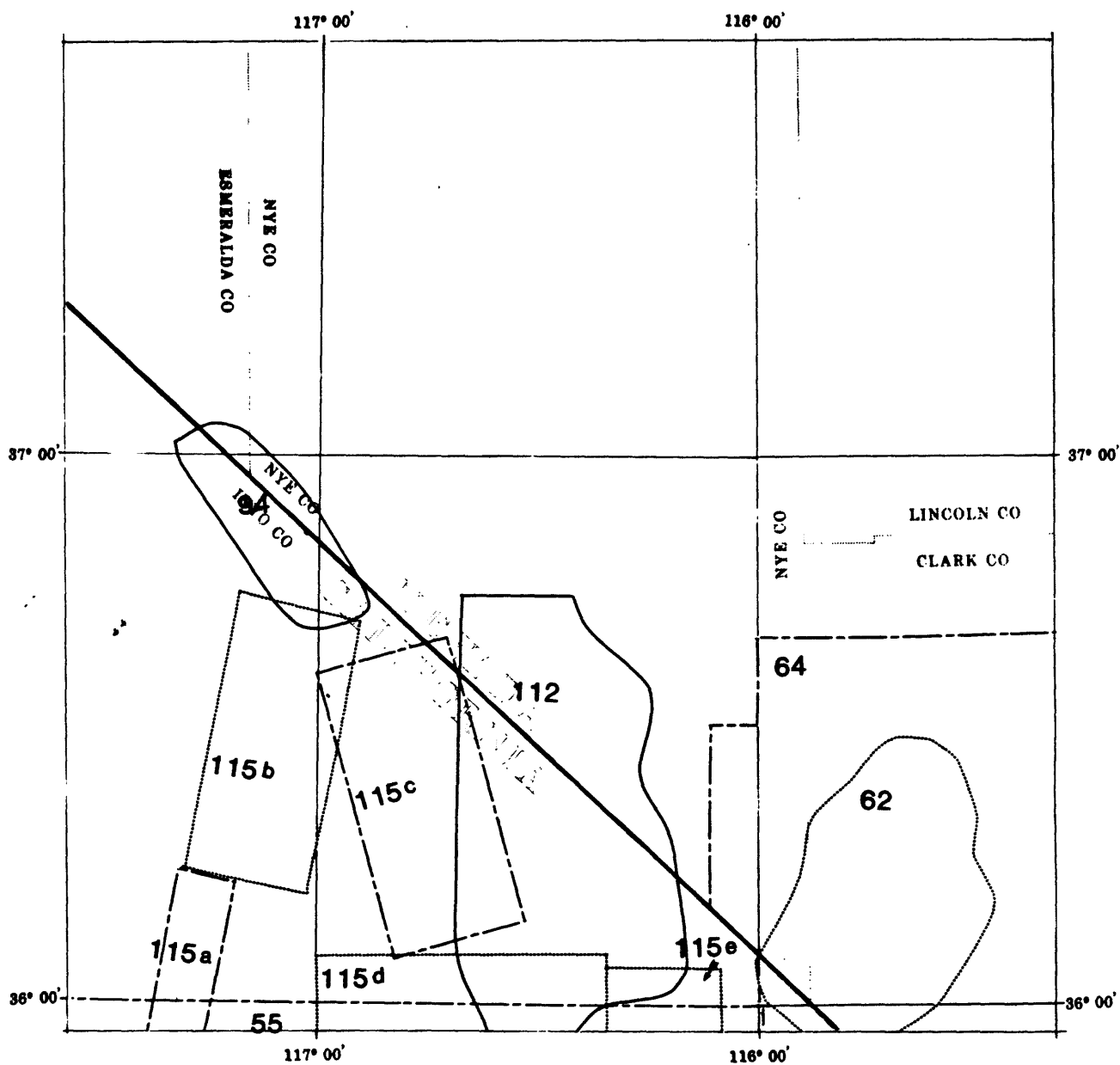
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MAPS AT SCALES BETWEEN 1:24,000 AND 1:62,500



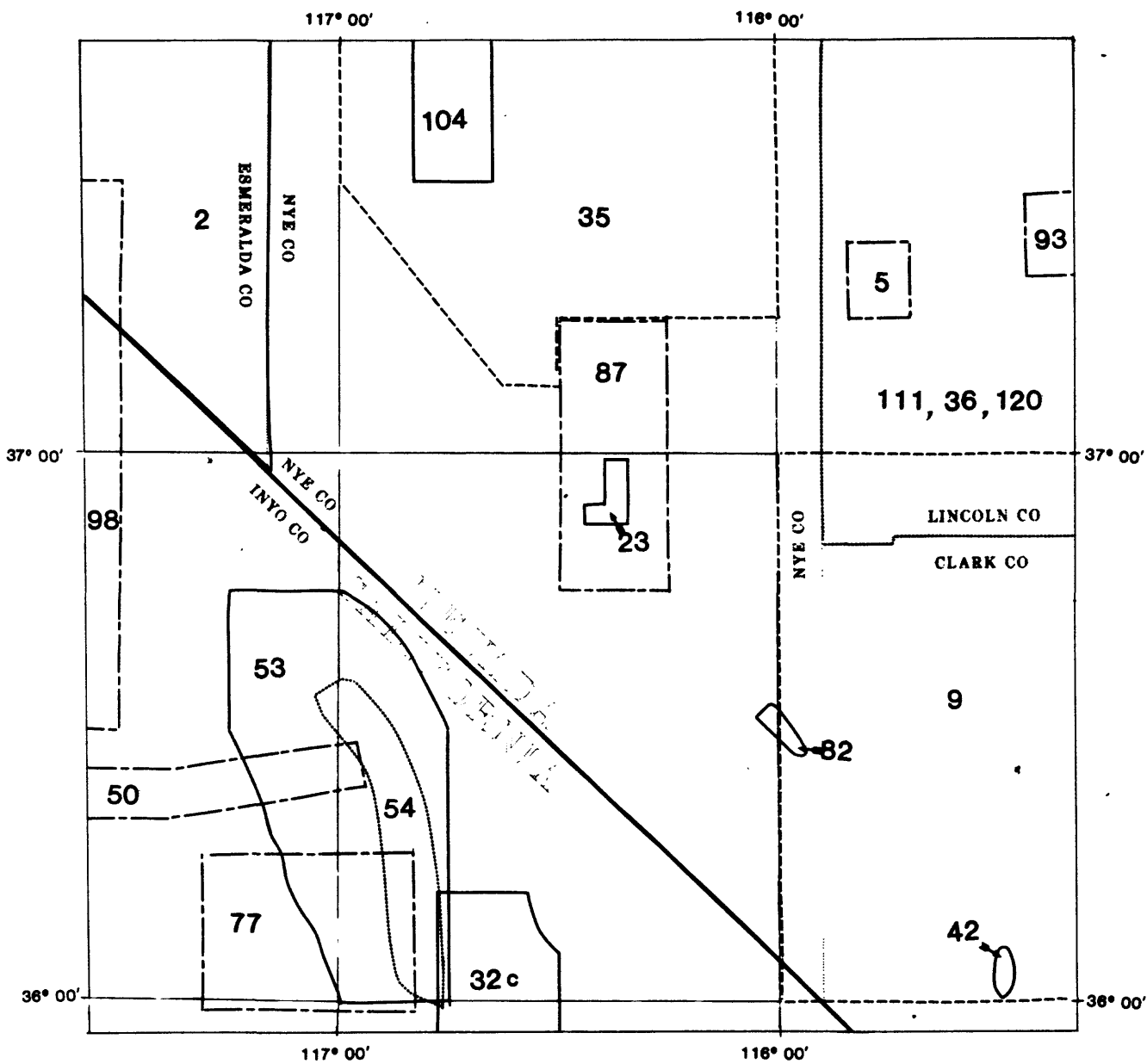
**MAPS AT SCALES 1:62,500 THROUGH 1:63,360**



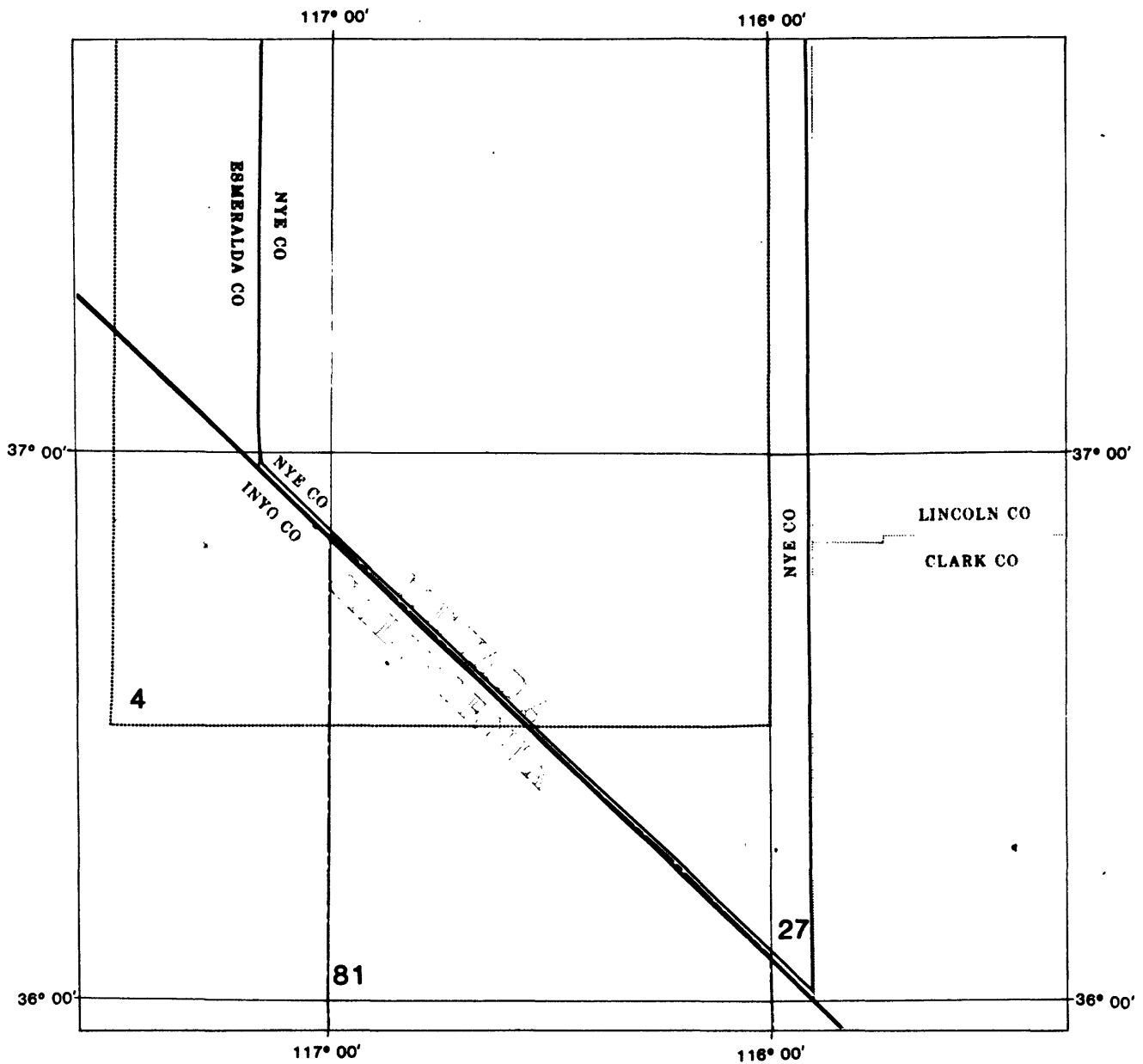
MAPS AT SCALES SMALLER THAN 1:63,360

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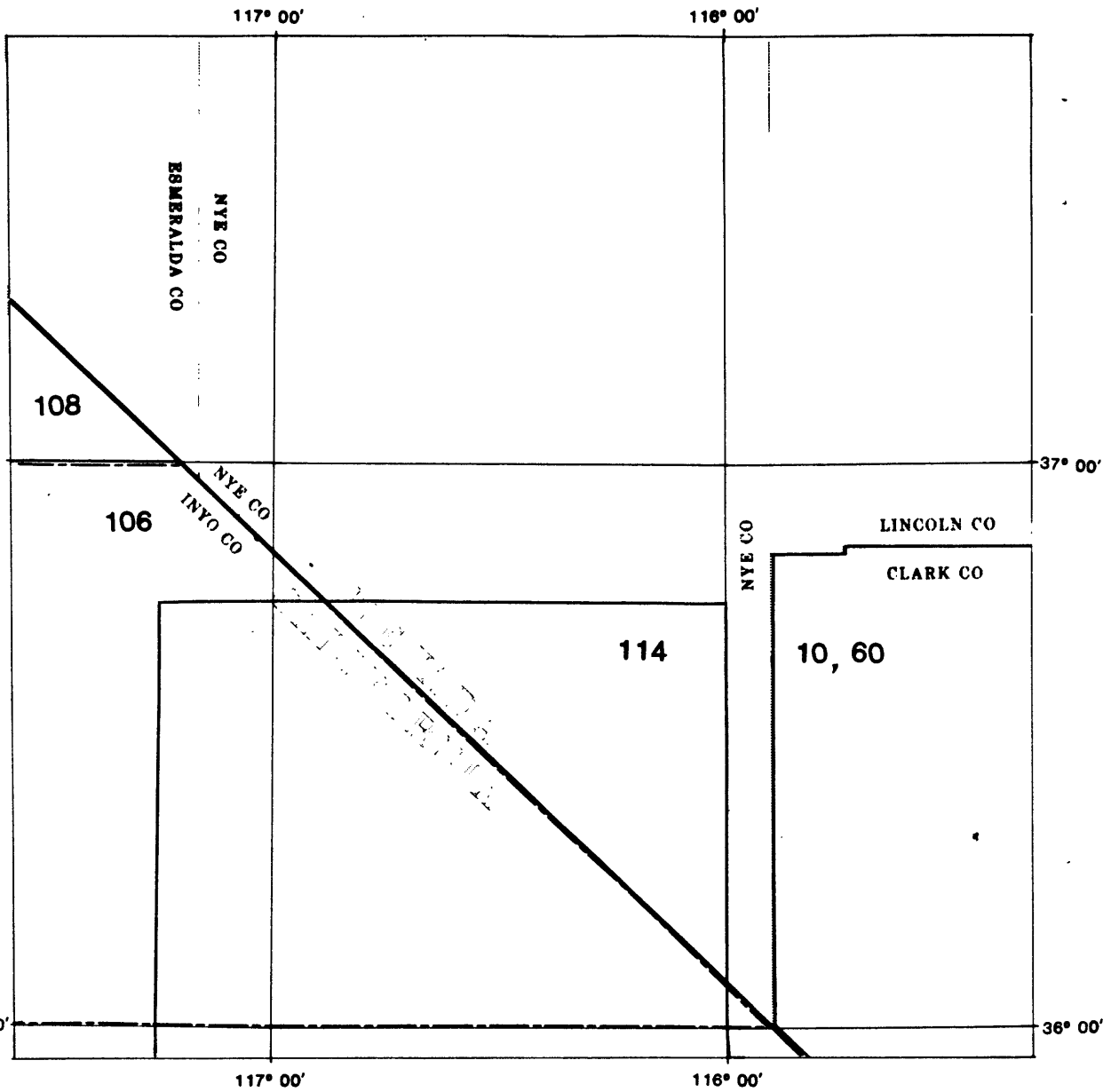


MAPS AT SCALES SMALLER THAN 1:63,360



MAPS AT SCALES SMALLER THAN 1:63,360

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### MAPS AT SCALES SMALLER THAN 1:63,360

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