

**REGIONAL NETWORK ANALYSIS SITUATING LOST VALLEY IN
THE INTER-SITE LANDSCAPE**

A Thesis

Presented to the

Faculty of

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In Partial Fulfillment

of the Requirements for the Degree

Master of Arts

In

Anthropology

by

Victoria Lynn Kline

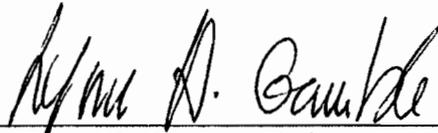
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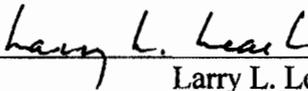
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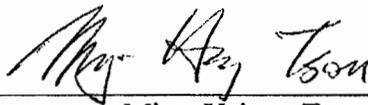
Regional Network Analysis Situating Lost Valley in the Inter-Site Landscape



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DEDICATION

To my father, Richard McCall Hannah, a physician and master of the liberal arts who loved books and indulged himself frequently.

ABSTRACT OF THE THESIS

Regional Network Analysis Situating Lost Valley in the Inter-Site
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by

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The purpose of this study is to analyze possible contact pathways through Lost Valley, San Diego County, California, using the methods of least-cost path analysis for both real and modeled travel corridors through the San Luis Rey Watershed. I conducted this study using ArcView 9.2 GIS (geographic information systems), digital elevation models, and aerial photography in order to show the most likely corridors of travel and trade using least-cost path modeling. In addition, I compared the modeled paths to real trail networks, for example those that show up in aerial photographs and/or those written about in the literature. This study demonstrates how prehistoric and protohistoric peoples traveled through the Lost Valley area and how contact networks were likely established and maintained. The modeled travel corridors are compared to the ethnographic and historic knowledge of the Cupeño who seasonally occupied Lost Valley.

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