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

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A Thesis

Presented to the

Faculty of

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Master of Arts

In

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by

Victoria Lynn Kline

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SAN DIEGO STATE UNIVERSITY

The Undersigned Faculty Committee Approves the

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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 Landscape

by
Victoria Lynn Kline
Master of Arts in Anthropology
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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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My father, Richard M. Hannah, passed away last June. When he first heard that I was thinking about going to graduate school he wholeheartedly agreed. He was very supportive of continuing education to get one through life in as cultured a manner as possible. Thanks to my mother and father for believing that I could complete this difficult goal of attaining a master's degree.

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