Mapping and Spatial Analysis of an Ancient Capital in Southern Mexico

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Boundaries

Oaxaca
La Mixteca

The Mixtec Kings and Their People, Ronald Spores
Mixtec Culture (ñuu savi)

1: Mixtec queen
2: Mixtec uruacular priest
3: Mixtec slinger

1: Mixtec warlord
2: Mixtec priest
3: Mixtec standard-bearer

Aztec, Mixtec and Zapotec Armies, John M.D. Pohl and Angus McBride
Codices = Screen-Fold Books

The Codex Nuttall, edited by Zelia Nuttall
Spanish Conquest (starting in 1520s)
The Viceroy of New Spain sent all municipalities 50 questions on behalf of King Felipe II in 1577.

Question 10: “Make a map of the layout of the town, its streets, plazas, and other features, noting monasteries, as well as can be sketched easily on paper.”
“The ninth day of the month of January of 1580, in the village of Teozacualco of the bishopric of Antequera in the Valley of Guaxaca, it was commenced to make certain and true relation, according to what could be collected from the oldest natives...”
Mapa de Teozacoalco

138 cm

176 cm
Mappa Mundi

Hereford (ca. 1300)

Teozacoalco (ca. 1574-1576)

Mappa Mundi, F.D.A. Harvey
Teozacoalco

Current municipal boundaries

East

Municipal boundaries on the Mapa

ca. 2,100 km$^2$
"These are the important people and lords who, formerly, came from the village of Tilantongo for this one of Teozacualco."
Logograph

Chiyo Cahnu
San Pedro Teozacualco

“This is the capital of the magistracy and church of the village of Teozacualco, called San Pedro.”
San Pedro Teczacoalco

Cerro Amole
The Climb
Cerro Amole
Ball Court
Ball Court Sculpture
Temple Pyramid
Palace
Cerro Jazmín
Proyecto Arqueológico Cerro Jazmín
Urbanismo prehispánico y su impacto ambiental
Temporada 2013
Steep, Overgrown Slopes
Terrace
Lots of Terraces
Control Point on Road
Temple
Residential Group
Ca. 370 building sites

Ca. 2,400 terraces
Possible Burial
Ceramics
Possible burial

Residential group

Artifact
Based on the Getis-Ord-Gi* statistic with incident points.
What's It Mean?
Interpretación del Códice Selden 3135, Alfonso Caso

Chiyo Cahnu had no ruler around 1030 when Lord 10 Reed (ruler of Topiltzinc) visited
Lord 5 Dog: 2nd son of the ruler of Tiger City
Lady 6 Wind: from Tilantongo

Dynasty 1

Lord 5 Dog and Lady 6 Wind Married in 1085
Dynasty 3

Lord 2 Dog: from Zaachila
Lady 6 Reed: from Tilantongo
Took possession of Teozacoalco in 1321

Codex Bodley, Maarten Jansen and Gabina Aurora Pérez Jiménez

Codex Nuttall

Appear a second time on the Mapa seated atop the palace in San Pedro Teozacoalco
Built in 236 Years (AD 1085-1321)

Ca. 370 building sites

Ca. 2,400 terraces
Acknowledgements

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Cerro Jazmín map used with permission of
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