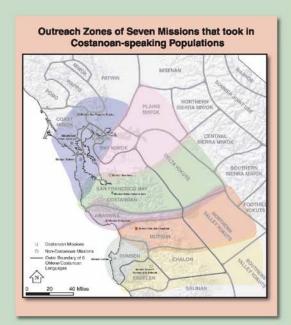
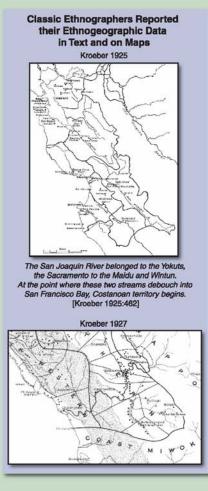
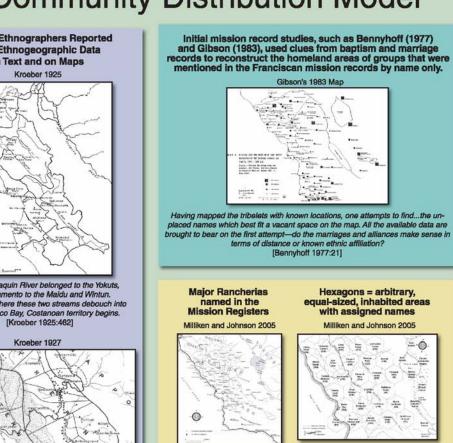
Antecedents of the Community Distribution Model





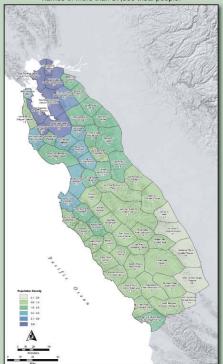


We undertook our study (1) to verify Gibson's rancheria locations, and (2) to determine whose language map, Gibson's or Kroeber's, was correct. ...we feel that most language boundaries in the South Coast Ranges are now clear. [Milliken and Johnson 2005:147]

Development of the Community Distribution Model

In 2006, Milliken shifted from "hexagon" modeling to the polygons of the Community Distribution Model, based on ridges and watersheds, to better reflect the Native world. The model reconstructs ethnogeographic boundaries from Central Place inferences and the logic of the local landscape.

Two new composite databases are used, containing the names of more than 37,000 tribal people.



STEPS:

- Database consolidation
- Inferred population densityRancheria coalescence
- Topographic regions
- Apportion rancherias to regions
- Adjust regions for variable effects of pre-mission population collapse
- Iterative corrections for regional boundaries

Regional population densities were reconstructed by multiplying the "total baptized population" by a factor based upon "baptized adult/baptized child ratio" (a proxy for increased pandemic-based infant mortality in the tribal area) and "length of time between initial Spanish settlement and regional group migration to the missions" (a proxy for population reduction due to European-introduced epidemics)



An example of processing mission record and ethnographic data into polygons in the Point Reyes Area, a local transition zone.



SCA Proceedings, Volume 22 (2009) Milliken, p. 2

Future Development of the Community Distribution Model

The Community Distribution Model is merely a step towards the most accurate possible reconstruction of [Native American] ethnogeography. Each region should be debated and re-evaluated in the future.

[Milliken 2006:25]

Central California Communities at Spanish Contact 100 Years from now - Who will use it? Who will maintain it?



The polygon structure is as valuable for areas where the mission record didn't extend as it is for the missionized areas. We have shown this for the near North Coast Ranges, the central Sacramento Valley, and the northern Siera Nevada foothills, where mission influence did not reach.



In the future, each local region's full complement of anthropological field note data, tribal oral history data, and environmental data can be coalesced into retrievable text tied
to interactive maps. A final result can be a California-wide
Community Distribution Model. Eventually, the maps and
related text could be available in web formats such as
Google Earth.

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Text Linked to Davis Region

- Davis (Yolo and Solano counties) - Puttoy Homeland

- This flat region on the west side of the Sacramento Valley takes in the lower reaches of Putah Creek where it meets the Sacramento River floodplain The town of Davis lies in the center of the region. This region was almost certainly the homeland of the Puttoy [Spanish orthography] local tribe.

- Early Expeditions: No pre-missionization expeditions are known to have traveled

Mission Register Existence: The Puttby group sent 6 people to Mission Star Francisco during the years 1817-1821 (immoded among Listkins from Vascaville) and 14 people to to Mission Star Francisco Solano during the years 1825-1835 (in mixed groups with Libayton of Winters and/or Utulation). The Puttburg are not to be confused with the Puttburg Star Francisco (Sparish orthography): the latter group, considering distinguished at Mission Star Francisco to the Star Francisco of the St

 Post-Mission Historic Evidence: Mexican citizens named Putah Creek, which passes through Davis, "Arroyo de los Putos."They also gave that name to a Mexican rancho on the south side of the creek just east of Davis.

Ethnographic Period Evidence: Merriam (1967:280) did not mark any groups in the Davis region; he considered it territory of the Poo-e-win dialect of Southern Wintson. Nor did Knoeber (1925, 1932) identify any specific groups or villages in the region; he identified the region as Southern Patwin, P. Johnson (1978:390) marked no villages in the region.

 Conclusion: Two clues suggest that the Puttoys were from the Davis region. First, the higher reaches of Arroys do los Puttoys, or Putah Creek, are known to have been held by other groups, such as the Liberjos of the Winters region. Second, other central California streams named after local tribes, such as the Mokelumne, took their names from the group farthest downstream.

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Milliken, p. 3