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## Introduction

Purpose: To investigate what different artifact types can tell us about the migrations of Kayenta people
southward during the 13th and 14th centuries ,
Method: Review of gray literature including project reports and artifact inventories from sites with identified
Salado occupation from the San Pedro and Uppert Gila River Valleys.位
Implications: Ground stone may be able to answer unique questions abouts the coalescence of Kayenta migrants into the different location populations

## Kayenta Migration

- During the 13 th century, Ancestral Puebloans form the Kyenta region began migrating southward into the Hohokam and




$$
\begin{aligned}
& \text { Similarly, southern locals did not add finger grooves to manos while these migrants did } \\
& \text { - Therefore, ground stone assemblages can also indicate the presence of northern migrant }
\end{aligned}
$$

 - Is there adifference in frequency of these ground stone artifacts betwe
region and the Upper Giid/Mogollon region that migrants moved into?



## Discussion

The difference in frequency of northern style ground stone between these rivers could indicate
Analysis missing detail.
a. San Pedro finger grooved manos referenced during the literature review were made invisible by undetailed artifact inventories
i. E.g. Swarts Ruiin's report indicated that "some" manos had finger grooves.
b. Many ground stone inventories do not have a column to put notes, only "subtype" which allows for full groove axe heads too be itenetified d but not finger grooved manos.
c. Analysts may not be familiar with finger grooves and leave them out of analysis

Difference in excavation design could lead to large differences in datasets
a. Many San Pedro River sites were lightly tested
a. Many San Pedro River stites were lightly tested
b. Fewer Gila River sites were tested but many that were had multi-year excavations
c. Ground stone may be part of the floor assemble

Ground stone may be part of the floor assemblage or beneath floors. More modern, less intensive techniques may
Differences in migration/assimilation
a. If the data held up:
b. The San Pedro River would have brought migrants into the Hohokam world while the Upper Gila River would be
more Mogollon. i. Perhops shem were less interested in coalescing ideas around ground stone technology
E. Ethnohistoric sources indicate that manos were largely used by women.
i. Possibly there was a gender disparity in who moved south into the San Pedro River basin

- San Pedro: $3 / 26$ sites had northern style ground stone
 - This would preliminarily suggest a difference between the Mogollon world Salado and Hohokam world Salado
- However the San Pedro sites included are almost all lightly tested so much less material was examined (Clark, 2012)

Ringer grooves have to be recorded separately under comments or stylist
presence or absence, casting doubt on the completeness of my data
presence or absence, , casting doubt on the completeness of my data
- When there was in deptr recording of finger grooves like at Reve Ruin, $45 \%$ of manos had them
- Furthermore, as some reports (Mineral Creek Ormand for example) mentioned the existence of
- Furthermore, as some reports (Mineral Creek, Ormand for example) mentioned the existence of northern style ground stones Wuthout giving totals, it casts doubt on most of the published data on this subject


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What can be said?

1. Northern style ground stone cannot explicitly be used to track population movement as far as current 2. There is variability among Salado settlements, so comparative analysis of Salado enclave groups is useful
2. Better practices for recording ground stone needs to be implemented both to ameliorate the curation 3. Better practices for recording ground stone eneeds to be implemented both to ameliorate the curation
 these artifacts, e.g. Is there a true difference in frequencies of these artifacts throughout the Salado
world? What does that mean for our understanding of Salado coalescence, or Salado identity at large Next steps
Next steps
. Statisticial analysis of ground stone proveniences to see if excavation design affects ground stone
assemblages already assemblages already accumulated
As lidar technology becomes
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possibly more would shed more light onto the issue of differential frequency of northern style possibly more would she
ground stone artifacts





