

THE UNIVERSITY of NORTH CAROLINA at CHAPEL HILL

Variability in Maize from Eighteenth-Century Catawba Towns Mary Elizabeth Fitts

Introduction

By the end of the colonial period, members of the Catawba Indian Nation had succeeded in negotiating a variety of challenges that threatened their political autonomy. Having served as auxiliaries for the British colonies since 1708, they had arranged their towns in close proximity to each other for the purpose of efficient coordination and mobilization. This strategy made them a target for enemy raids and also vulnerable to being surrounded by expanding colonial settlements. These circumstances put a strain on Catawba hunting and foraging practices, a situation compounded by a regional drought from 1755 to 1759. In the years that followed, the Catawba made the difficult decision to evacuate their towns in response to a high-mortality smallpox epidemic (1759) and Cornwallis's March during the Revolutionary War (1780). After each of these incidents, members of the Nation returned to re-build their communities.

During the difficult years of the 1750s, it appears that Catawba women maintained their maize farming activities instead of turning to mast or spring-ripening grains for additional carbohydrates (Fitts forthcoming, 2017). This study examines whether their focus on maize production was accompanied by the maintenance of multiple cultivars. It also assesses change in Catawba maize variability through time.



Above, maps showing the location of smudge pits excavated by the RLA as part of the Catawba Project (Davis and Riggs 2004, Fitts et al. 2007, Davis et al. 2015). Smudge pits are most frequently associated with exterior work spaces near houses; the circular pattern observed at Ayers Town can be attributed in large part to the distribution of buildings. The Old Town smudge pits likely date to the occupation that post-dates Cornwallis's March (ca. 1781-1800).



Above, examples of excavated smudge pits. Left, Feature 50 from Nassaw. Right, Feature 49 from Old Town. While wood was sometimes used, most smudge pits were filled primarily with maize cobs. This study included cobs from 13 smudge pits.











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			Percent		
	Ν	Group 1	Group 2	Group 3	
Nassaw	67	28	18	54	
Ayers Town	53	23	17	60	
Old Town	51	14	67	20	