



⊠ North Carolina Wildlife Resources Commission ⊠

Richard B. Hamilton, Executive Director

MEMORANDUM

Date: 18 May 2007

To: Chatham County Planning Department

From: Jacquelyn Presley, Urban Wildlife Biologist, NC WRC

Please accept my comments on the: *Request by James E. Dixon for subdivision sketch design approval of "Fieldstone Subdivision", consisting of 27 lots on 83 acres, located off SR-1532, Manns Chapel Road, Baldwin Township. Parcel #'s 62205 & 80775*

This property is located within a 14-digit HUC (hydrologic unit, or sub-watershed) that supports the federally endangered Cape Fear Shiner (*Notropis mekistocholes*). We commend the applicant for establishing stream buffers on the ephemeral streams on site. To further minimize negative impacts (particularly cumulative and secondary impacts) to this species, we recommend the applicant incorporate the following measures into the plat and construction plans:

1. Expand stream buffer along the intermittent stream onsite to establish a 100-foot native, forested buffer along **each side** of this stream.
2. Prevent insecticides and herbicides from being used within 200 feet of all streams on this property.
3. If the development will exceed 6% impervious surface, install stormwater management structures and LID techniques.
4. Prevent direct discharge of stormwater to streams (such as the discharge pathway drawn from the cul-de-sac adjacent to lot 11), and disperse stormwater runoff through a vegetated buffer that is **outside of** the protected riparian buffer zone.

cc: Shari Bryant, NCWRC
Ryan Heise, NCWRC
Sarah McRae, NCNHP
Vann Stancil, NCWRC
Jeff Marcus, NCWRC
David Rabon, USFWS