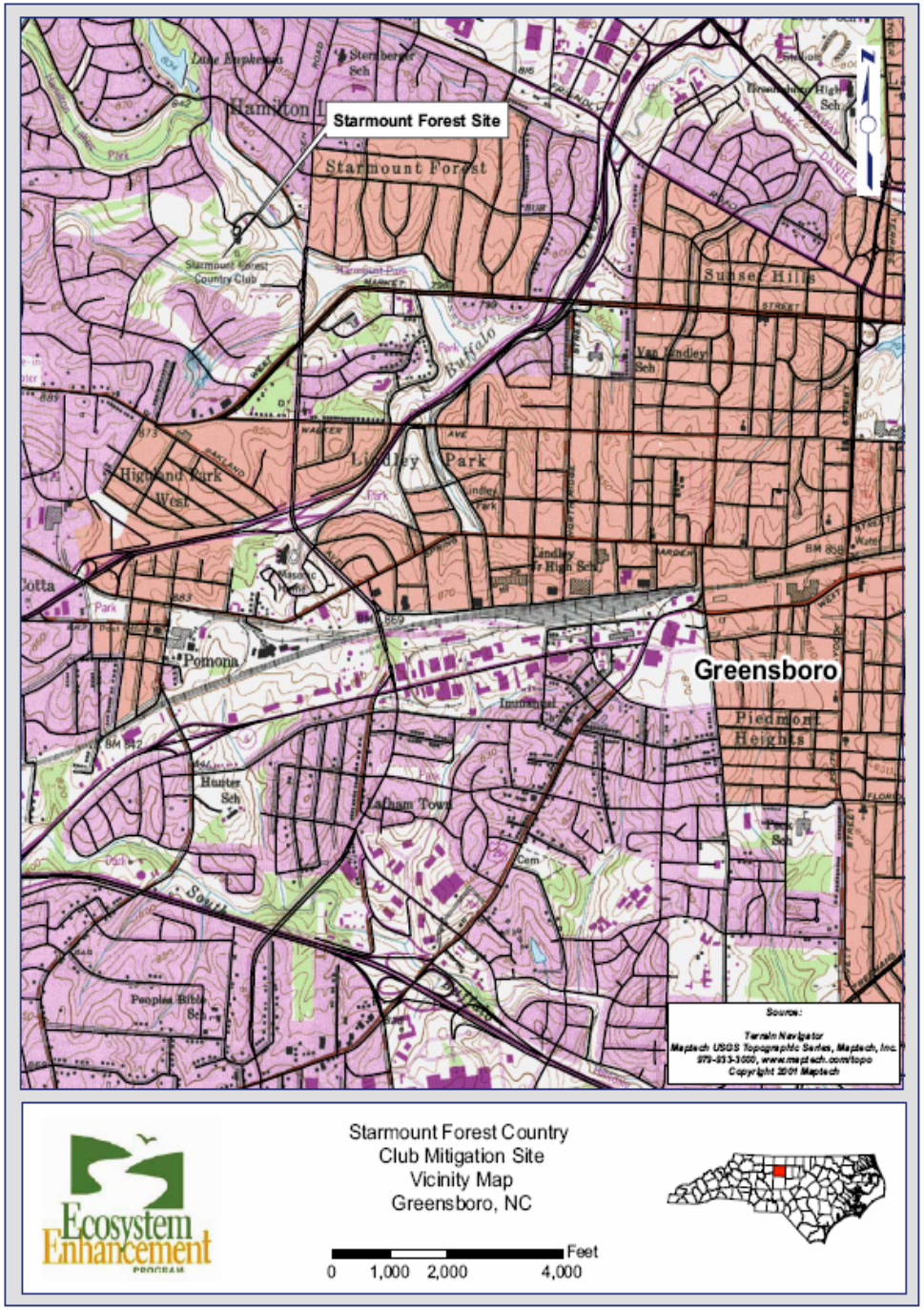
EEP Project Closeout Summary

Starmount Forest Country Club Stream Mitigation Site

Starmount Forest Country Club was constructed in 1999 as mitigation for the Greensboro Western Urban Loop. Five threads of Buffalo Creek were restored and planted on the Country Club property under a conservation easement. The total length of the project is 7,957 feet of stream and under the permit only needed to be monitored one year. The five 'threads' of the stream have planted buffers varying in species planted depending on their location on the golf course. A maintenance agreement between the Country Club and NC DOT is available on request and is written into the Conservation Easement.

Project ID and Status		**Project Settings & Class.**		**Project Timeline**	
Name	Starmount Forest Country Club	**Basin**	Cape Fear	**Construction Completed**	1999
EEP ID #	360	**Physiographic Region**	Piedmont		
County	Guilford	**Ecoregion**	Southern Outer Piedmont	**Repair**	2004
Type	Stream Restoration	**USGS Hydro Unit**	03030002	**Monitoring Year-**	2006
Status	Monitoring Complete	**NCDWQ Sub-basin**	Buffalo Creek	Thread A	2373
		Thermal Regime	warm	Thread B	2880
		Designer	KCI	Tread C	1215
		Monitoring	WK Dickson	Tread D	1044
				Tread E	445

Site Location



Directions to site from Raleigh

Take I-40 W toward Greensboro then exit at High Point Rd toward (E_217) Coliseum Area, at High Point Rd. US 29A/US 70A until Meadowview Rd. Left turn Then proceed until S.Holden Rd. turn left unto Starmount Dr. then turn left unto Sam Snead Dr. Park behind the indoor tennis building on the right.

Air Photo of Starmount Forest Country

Thread	Length (Feet)
A	2373
B	2880
C	1215
D	1044
E	445

Stream Mitigation Plan For Starmount Forest Country Club

The streams through the country club had bank erosion and were over- widened and had no riparian vegetation.

The following is a portion of the mitigation plan written in 1998

- Establish a two-tier channel to promote efficient sediment transport during low flow conditions, while accommodating the flashy flood flows that are prominent in this urban hydrologic regime.
- Enhance warm water fisheries by establishing riffle/pool complexes.
- Improve water quality and habitat value by stabilizing eroded banks and establishing a riparian buffer.
- Establish a stable channel pattern, dimension, and profile to maximize channel efficiency by adjusting platform and cross-section.

Thread ‘A’ through the front portion of the Country Club.

Lower portion of Thread “B”

A Portion of Thread “C”