



**US Army Corps
of Engineers**
Charleston District

Project Fact Sheet

PAS - Turkey Creek, Hanahan

Charleston County, SC

P2#: 473242

Congressional Districts: Joe Cunningham (SC-1)

Appropriation:

Investigations

Phase:

NA

Business Line:

Authority:

Section 22, P.L. 93-251

**Location
Description:**

The Turkey Creek watershed is located in the southern coastal plains region of South Carolina within the cities of Hanahan and North Charleston and overlaps in Berkeley and Charleston counties. The Turkey Creek watershed discharges downstream of the Goose Creek Reservoir into Goose Creek, which in turn is tributary to the Cooper River. Turkey Creek has a drainage area of about 4 square miles and consists of combination of channelized, relocated and meandering tidal creeks. The watershed is located in a moderately urbanized area consisting primarily of single family residential dwellings in the lower reaches and mobile homes and commercial establishments in the upper portion of the watershed. Flooding has impacted roughly 50 homes with damages to both structure and contents over the last 3-5 years.

**Project
Description:**

The study will investigate sources of flooding within the Turkey Creek watershed, shedding light on whether flooding is primarily caused by tide or surface water runoff during rain events. The project delivery team will suggest, at a conceptual level, both structural and/or non-structural solutions to reduce flooding impacts. The City of Hanahan can use this information to determine a plan for addressing flooding concerns.

**Current
Status:**

As of 22 November 2019 - A PAS agreement was executed 20 Apr 2018. As of 15 April 2019, the non-federal sponsor (NFS) has asked for an increase in scope, to include more detailed hydrologic information. Hydrologic and hydraulic modeling area complete and have shed light on the causes of flooding in the Turkey Creek Watershed. The project delivery team will use the modeling outputs to conceptualize structural and non-structural measures to help address residential flooding. A final report will be delivered to the City of Hanahan in April 2020.

Sponsor:

City of Hanahan

Project Manager (PM):

Chrissa Waite

PM Phone:

(843) 329-8131

PM Email:

Chrissa.Waite@usace.army.mil