

**UPDATE
EASTERN SHORE OF VIRGINIA
GROUNDWATER RESOURCE
PROTECTION AND
PRESERVATION PLAN
(2013)**

October 2020

General

- Document developed with the intent to update appropriate sections as needed:
 - Routine updates on a 5-year interval
 - More frequent updates only if needed
- The 5-year update was delayed to accommodate the USGS revisions to the Hydrologic Framework
 - USGS report finalized late 2019: SIR 2019-5093

Section 1: Introduction

- No changes necessary

Section 2: Water Resources

- 2.1 - Surface Water: No changes necessary
- 2.2 – Groundwater: Update hydrostratigraphic framework based on USGS research.

Section 3: Land and Water Resource Use

- 3.1 – Land Use: Update poultry house permits
- 3.2 – Water use: update to current (both reported use and projected use from State Plan)
- 2.2 – Groundwater: Update hydrostratigraphic framework based on USGS research.

Section 4: Resource Vulnerability

- 4.1 – Saltwater Intrusion: Update for USGS research
- 4.2 – Water level declines: update to current
- 4.3 – Land use activity.
 - Add information on poultry houses.
 - Add information on PFOS/PFOA under emerging contaminants

Section 5: Water Resource Sustainability Plan

- 5.2 – Research Needs: update to note current status of research and research needs (as discussed October 2019 meeting)
- 5.3 – Monitoring: update based on research and DEQ proposed changes
- 5.4 – Alternate Source Development
 - Update Surficial Aquifer discussion
 - Update Enhanced Recharge and ASR re: SWIFT