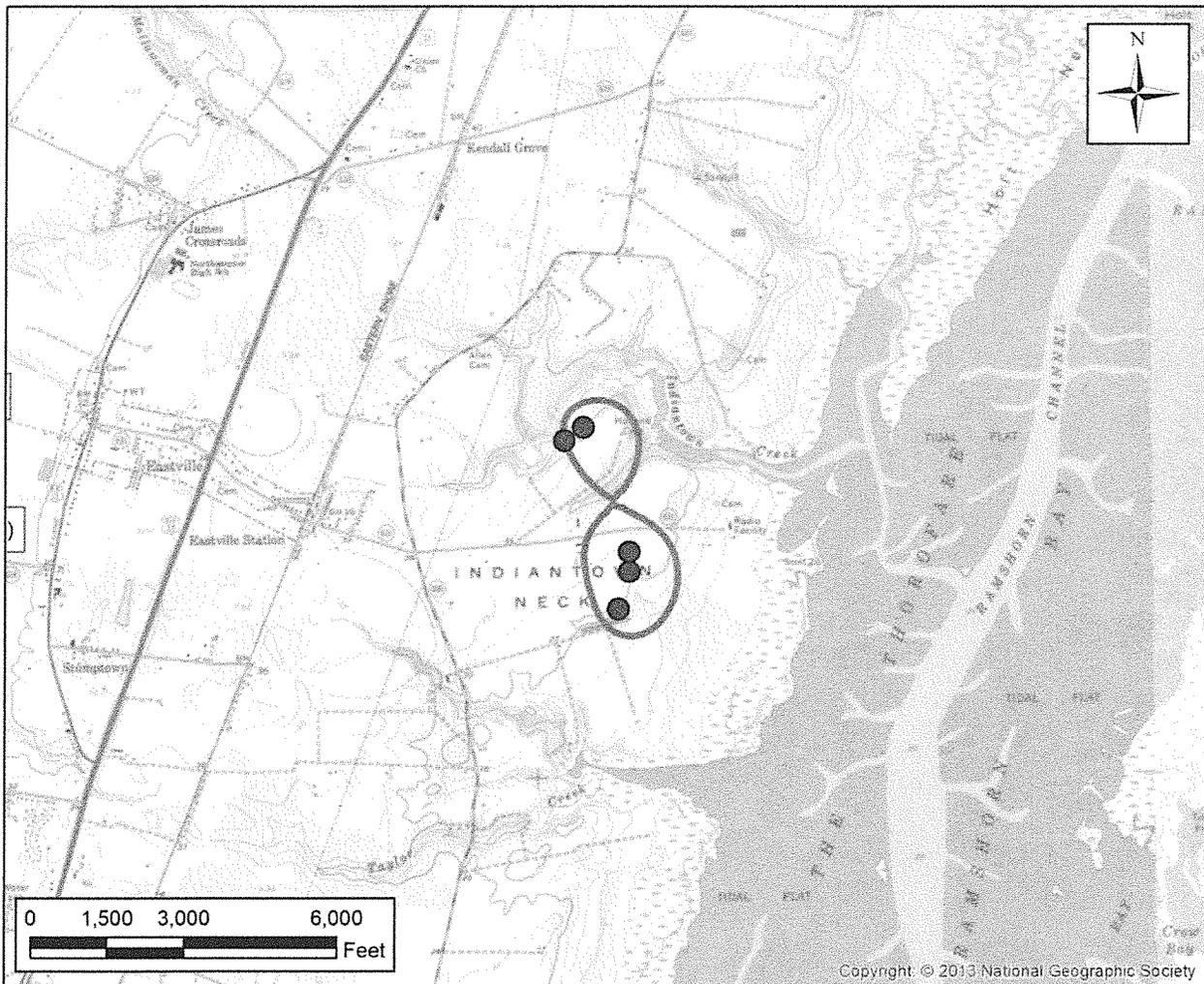


Newman Farms Area of Impact - Columbia Aquifer



● Newman Farm Wells

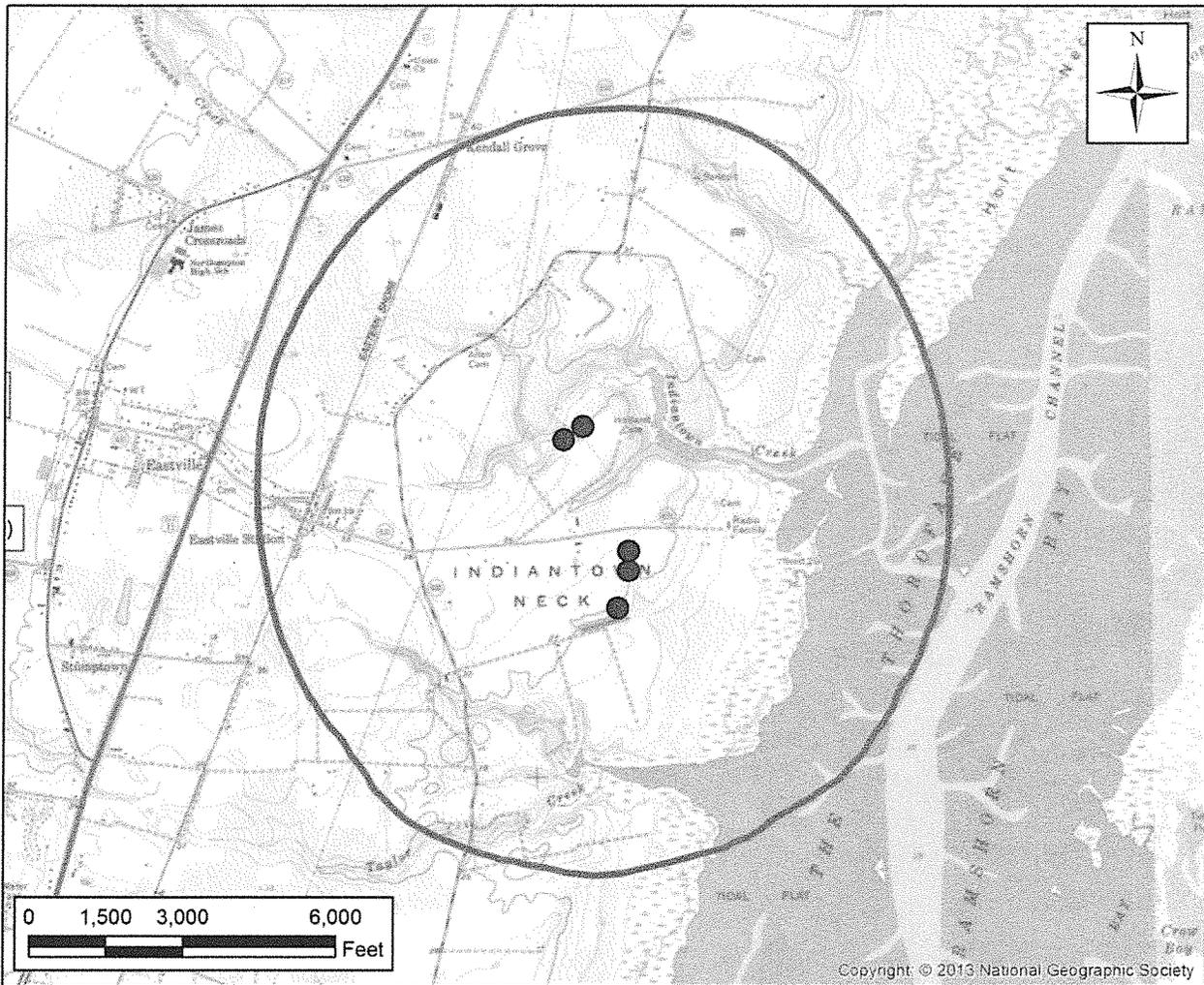
○ Columbia Aquifer Area of Impact

Simulated drawdown at or exceeding one foot in the Columbia aquifer resulting from a 10 year lump sum of 878,000,000 gallons simulated for 7 years at 120,000,000 gallons per year followed by 22 days at 52,200,000 gallons per month from the Upper Yorktown-Eastover aquifer. Maximum radius of one-foot drawdown (Area of Impact) occurs 0.5 miles from the pumping center. The Virginia Eastern Shore Model developed by the USGS was used to simulate drawdown.

Technical evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Water Supply August 18, 2014



Newman Farms Area of Impact - Upper Yorktown-Eastover Aquifer

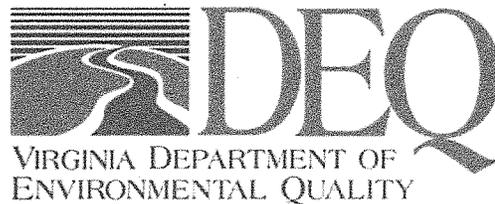


● Newman Farm Wells

○ Upper Yorktown-Eastover Area of Impact

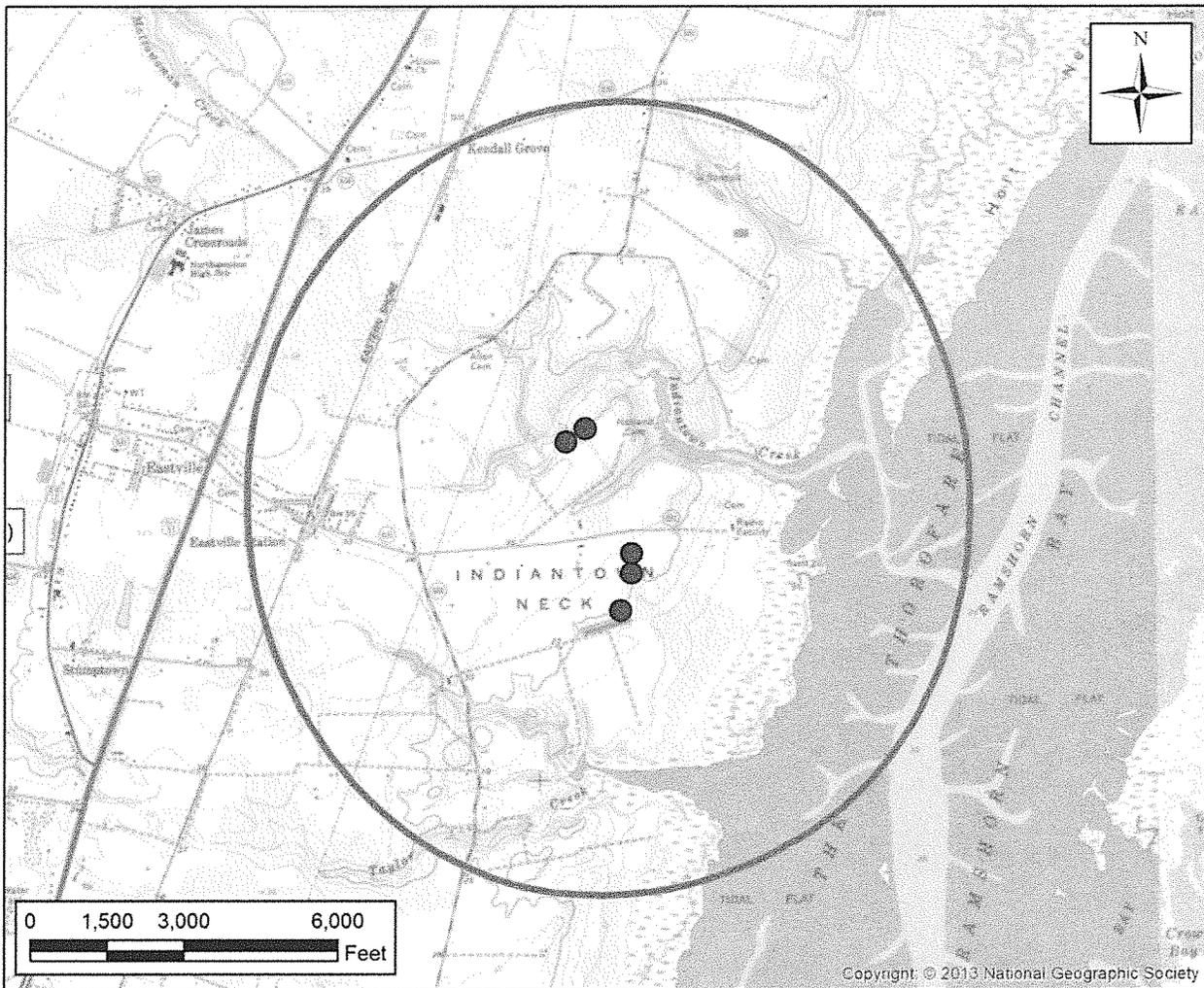
Simulated drawdown at or exceeding one foot in the Upper Yorktown-Eastover aquifer resulting from a 10 year lump sum of 878,000,000 gallons simulated for 7 years at 120,000,000 gallons per year followed by 22 days at 52,200,000 gallons per month from the Upper Yorktown-Eastover aquifer. Maximum radius of one-foot drawdown (Area of Impact) occurs 1.6 miles from the pumping center. The Virginia Eastern Shore Model developed by the USGS was used to simulate drawdown.

Technical evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Water Supply August 18, 2014



Newman Farms

Area of Impact - Middle Yorktown-Eastover Aquifer



● Newman Farm Wells

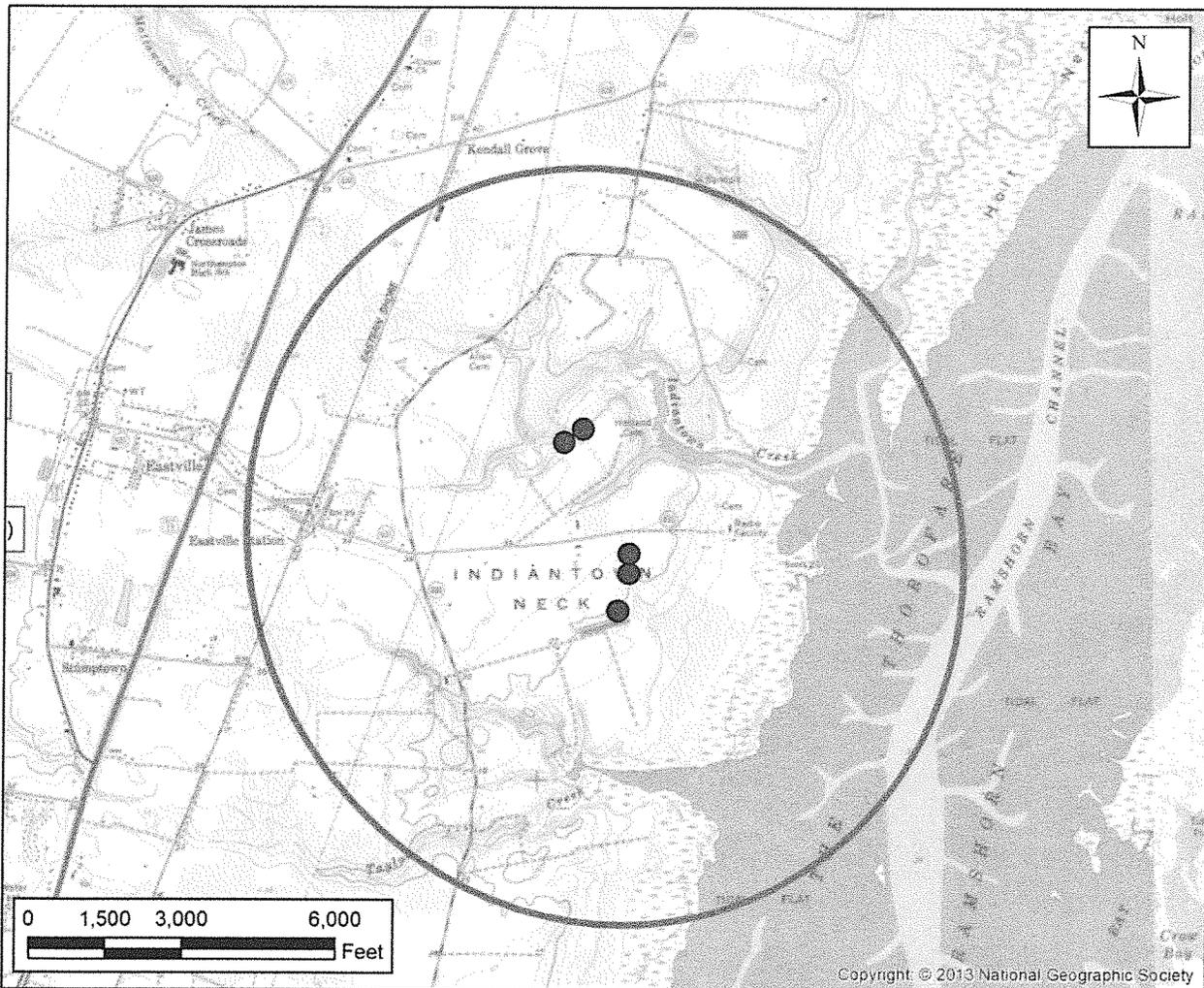
○ Middle Yorktown-Eastover Area of Impact

Simulated drawdown at or exceeding one foot in the Middle Yorktown-Eastover aquifer resulting from a 10 year lump sum of 878,000,000 gallons simulated for 7 years at 120,000,000 gallons per year followed by 22 days at 52,200,000 gallons per month from the Upper Yorktown-Eastover aquifer. Maximum radius of one-foot drawdown (Area of Impact) occurs 1.6 miles from the pumping center. The Virginia Eastern Shore Model developed by the USGS was used to simulate drawdown.

Technical evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Water Supply August 18, 2014



Newman Farms Area of Impact - Lower Yorktown-Eastover Aquifer



● Newman Farm Wells

○ Lower Yorktown-Eastover Area of Impact

Simulated drawdown at or exceeding one foot in the Lower Yorktown-Eastover aquifer resulting from a 10 year lump sum of 878,000,000 gallons simulated for 7 years at 120,000,000 gallons per year followed by 22 days at 52,200,000 gallons per month from the Upper Yorktown-Eastover aquifer. Maximum radius of one-foot drawdown (Area of Impact) occurs 1.5 miles from the pumping center. The Virginia Eastern Shore Model developed by the USGS was used to simulate drawdown.

Technical evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Water Supply August 18, 2014

