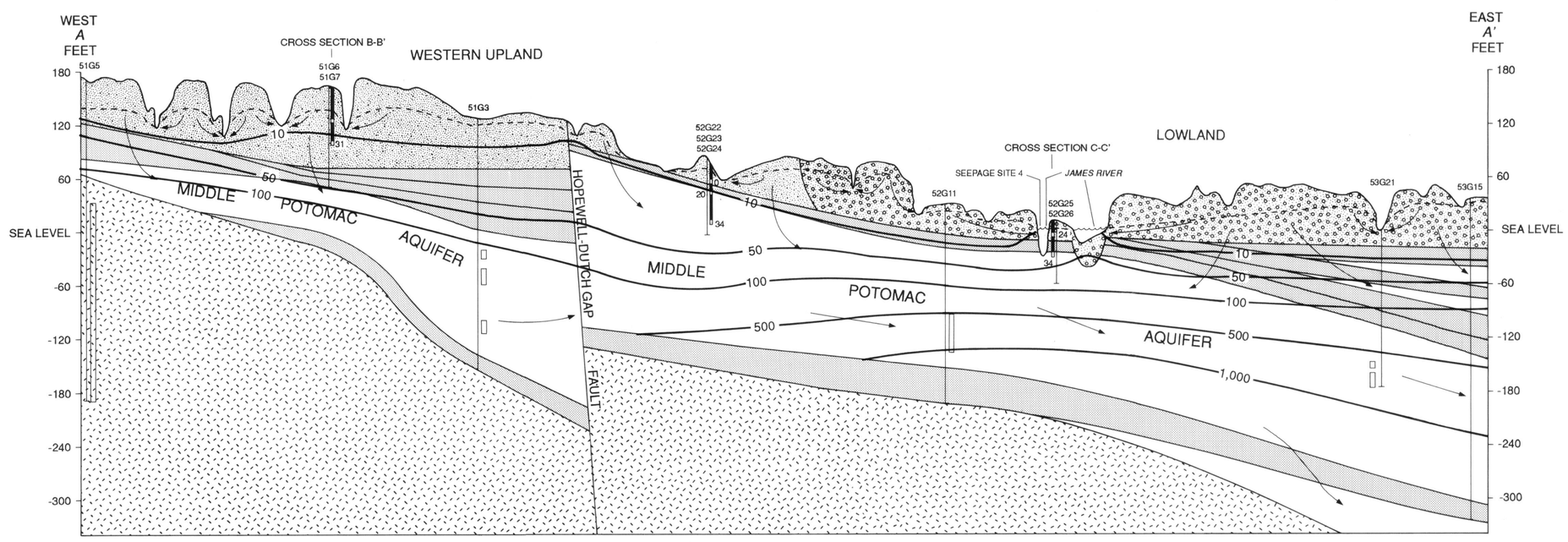
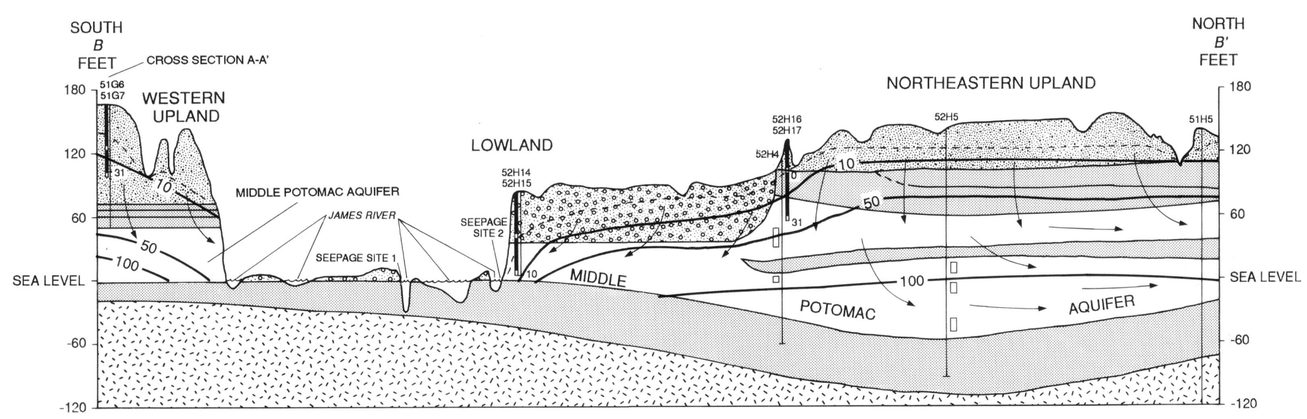
U.S. DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE

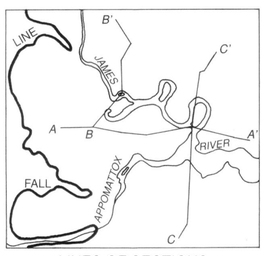
VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY



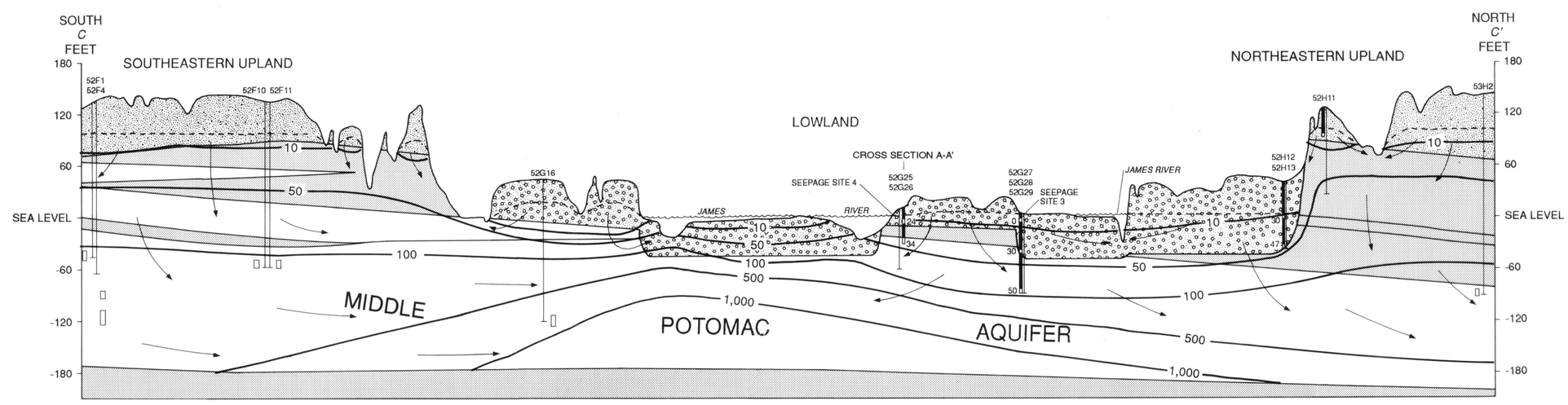


EXPLANATION

- UNCONFINED COLUMBIA AQUIFER
- UNCONFINED YORKTOWN-EASTOVER AQUIFER
- CONFINING UNIT
- CONFINED AQUIFER
- BEDROCK
- 51G5 — WATER-SUPPLY WELL OPEN INTERVAL, WELL LOG, AND WELL NUMBER
- 51G25, 51G26, 24, 34 — OBSERVATION-WELL CLUSTER, WELL LOG, WELL NUMBERS, AND CHLOROFLUOROCARBON-MODEL RECHARGE AGES
- WATER TABLE
- GENERAL DIRECTION OF GROUND-WATER FLOW
- 10 — SIMULATED LINE OF EQUAL GROUND-WATER AGE, IN YEARS AFTER RECHARGE AT THE WATER-TABLE



LINES OF SECTIONS



0 1 2 3 4 5 MILES

0 1 2 3 4 5 KILOMETERS

VERTICAL EXAGGERATION x 50

HYDROGEOLOGIC SECTIONS, DIRECTIONS OF GROUND-WATER FLOW, AND CHLOROFLUOROCARBON-MODEL RECHARGE AGES OF GROUND WATER IN THE FALL ZONE NEAR RICHMOND, VIRGINIA

By

E. Randolph McFarland

1997