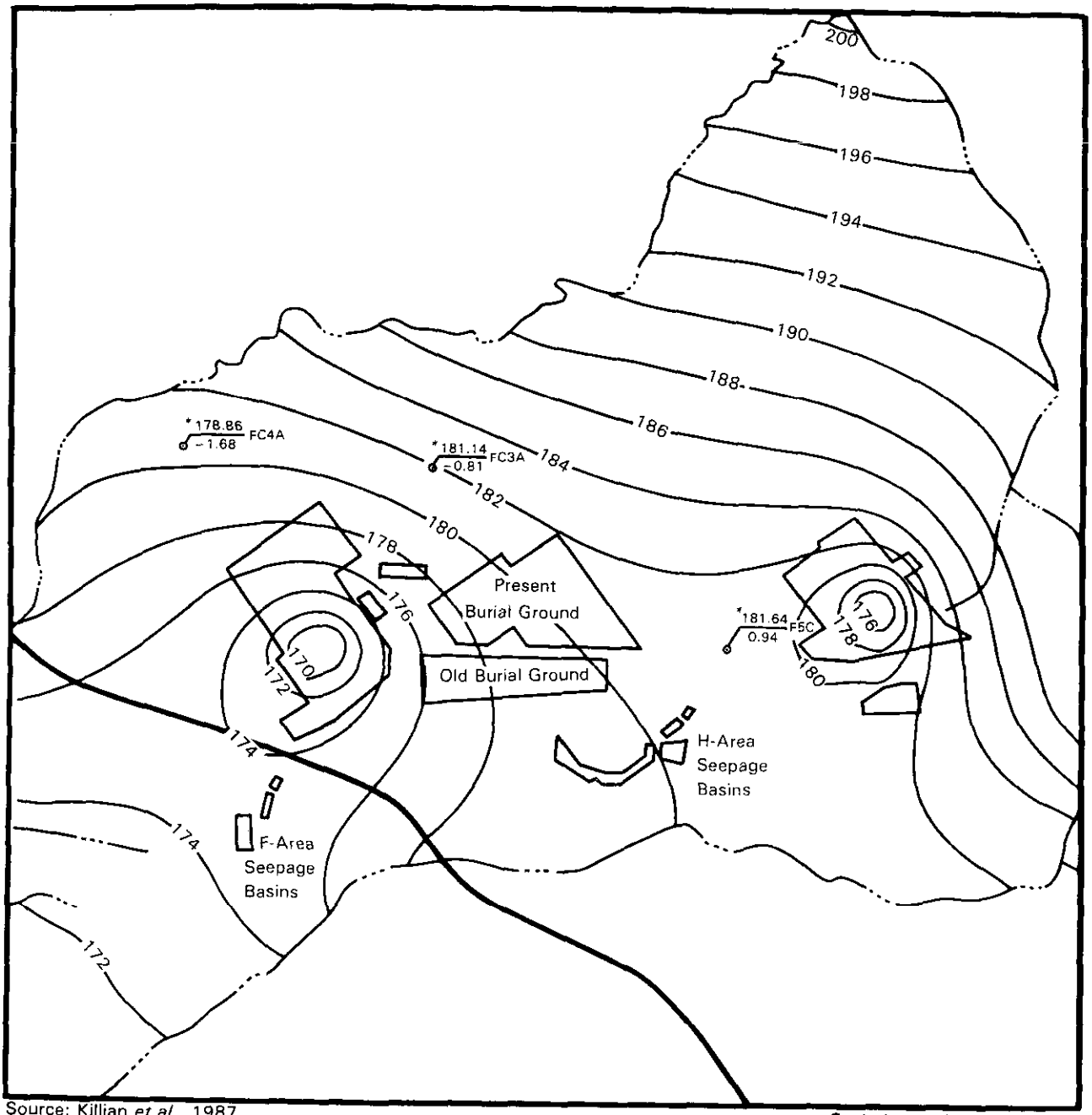


TC Source: Killian *et al.*, 1987.

TE Note: 1.0 foot = 0.3048 meter

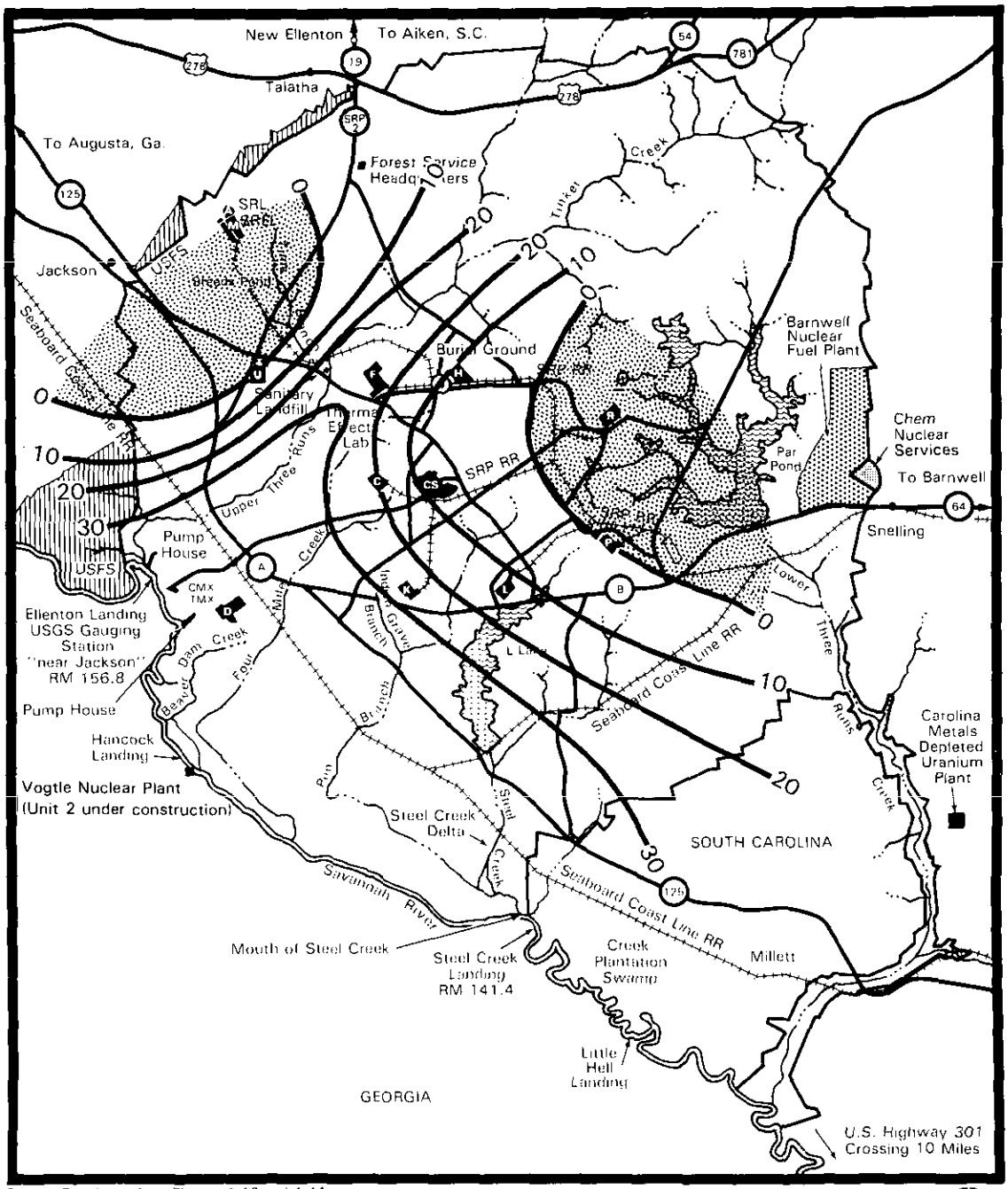
Scale (meters)
0 500 1000

Legend:
Steady-State Hydraulic Head Isopleth, ft msl — 240

Well Location..... observed hydraulic head / residual* — well designation

*Residual = observed hydraulic head - calculated hydraulic head

Figure A-5. Calculated Potentiometric Surface for the Cretaceous Sediments Aquifer in the F- and H-Areas



Source: Developed from Figures A-10 and A-11.

Scale (kilometers)

0 2 4 6 8

Legend:

C,K,R,L,P Reactor Areas
F,H Separations Areas
M Fuel and Target Fabrication
D Steam and Power Plant, *Heavy Water Production*
A Savannah River Laboratory and Administration Area
CS Central Shops
RM River Mile
U Heavy Water Control Test Facility

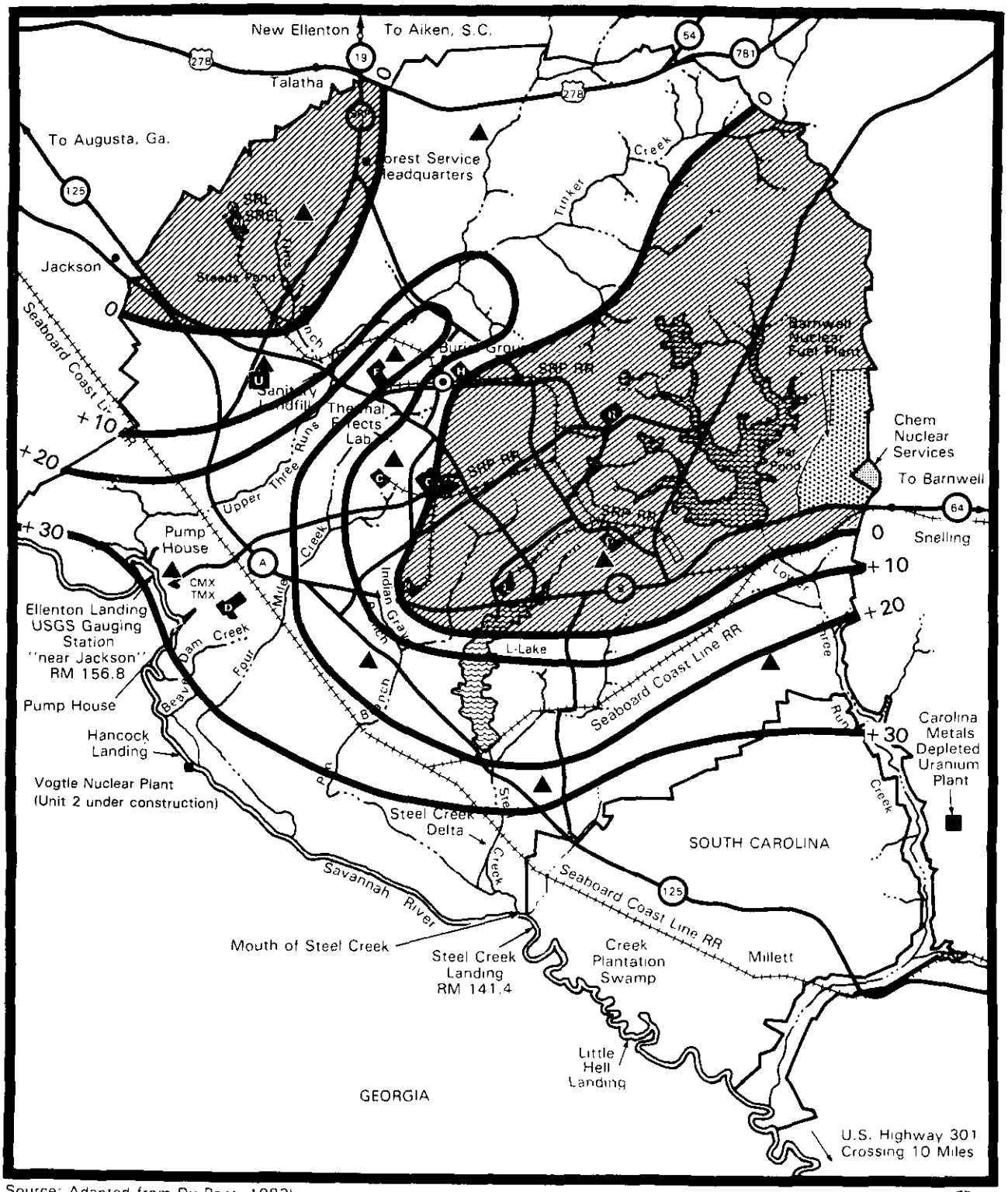
Road A = Highway 125

Contours indicate areas where head in Upper Cretaceous sediments is greater than head in Congaree. Contour interval equals 10 feet (1.0 foot = 0.3048 meter).

Area where head in the Upper Cretaceous sediments aquifer *is less than head in the Congaree Formation.*

Figure A-6. Head Difference Between Upper Cretaceous Sediments Aquifer and Congaree Formation at Savannah River Plant (1982)

TC



Source: Adapted from Du Pont, 1983b.

Legend:

- C,K,R,L,P Reactor Areas
- F,H Separations Areas
- M Fuel and Target Fabrication
- O Steam and Power Plant, Heavy Water Production
- A Savannah River Laboratory and Administration Area
- CS Central Shops
- RM River Mile
- U Heavy Water Control Test Facility

Road A = Highway 125

Contours indicate areas where head in Upper Cretaceous sediments is greater than head in Congaree. Contour interval equals 10 feet (1.0 foot = 0.3048 meter).

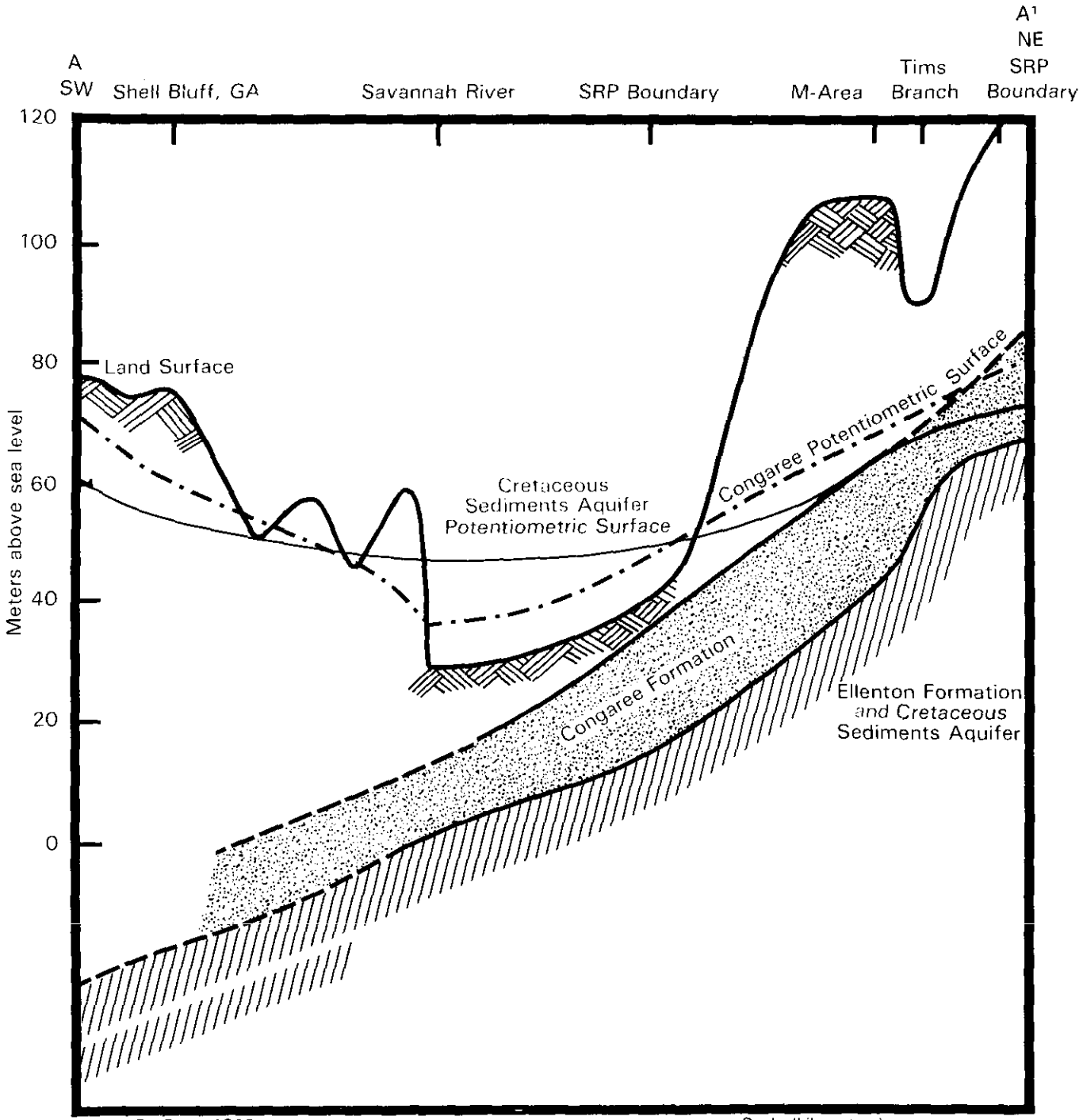
Area of Downward Gradient

Observation Well Cluster

Scale (kilometers)

0 2 4 6 8

Figure A-7. Head Difference Between Upper Cretaceous Sediments Aquifer and Congaree Formation at Savannah River Plant (1987)



Source: Du Pont, 1983.
Note: See Figure A-10 for line of section.
Legend:
Cretaceous Sediments Aquifer, etc.
Congaree Potentiometric Surface
Land Surface
(See AAB)

Scale (kilometers)
0 1 2 3 4 5

Figure A-8. Hydrologic Section Perpendicular to Savannah River Through M-Area