RCOL2_02.04.13-7

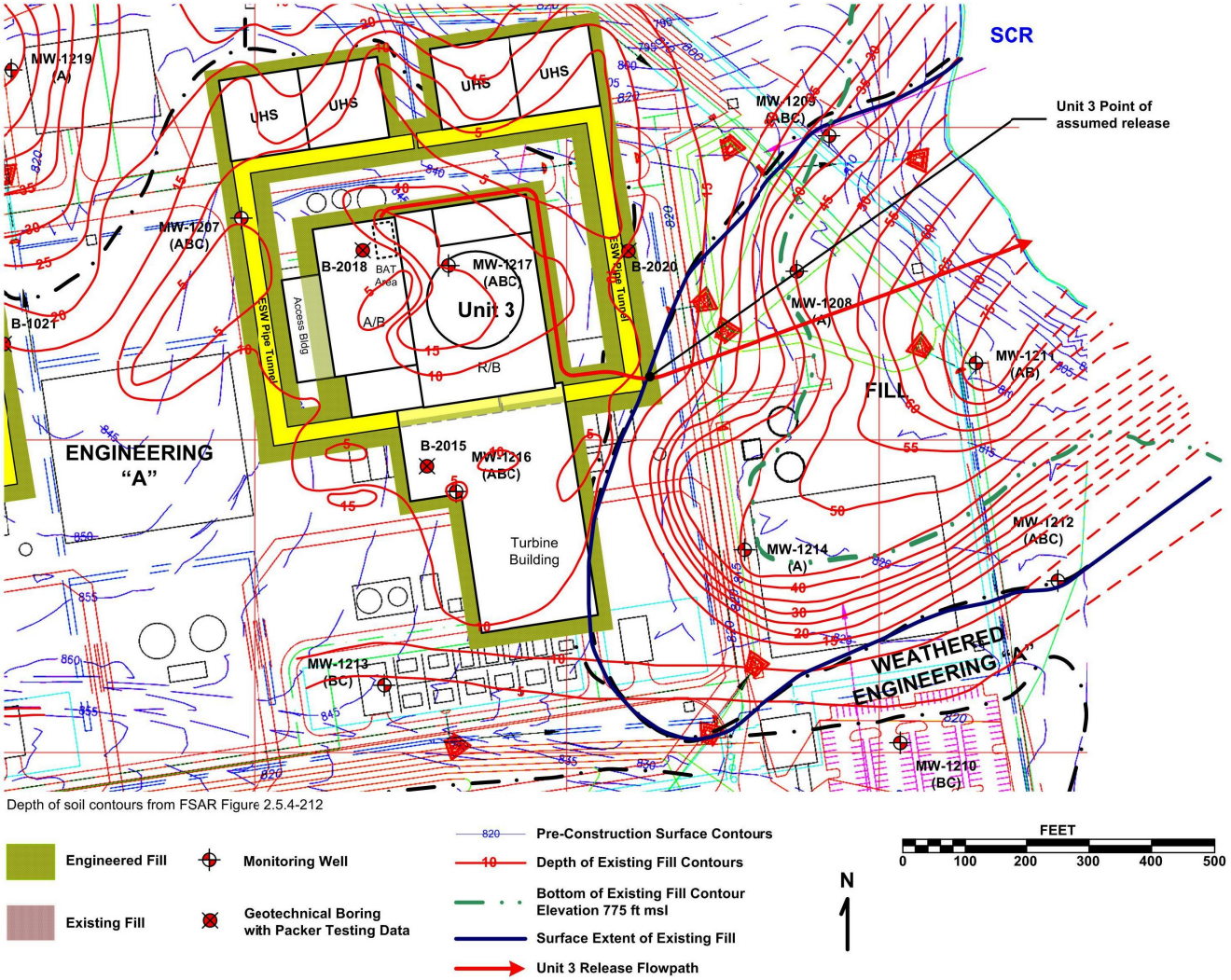


Figure 2.4.13-201 Bounding Horizontal Travel Path for BAT Failure Analysis

RCOL2_02.04.13-7

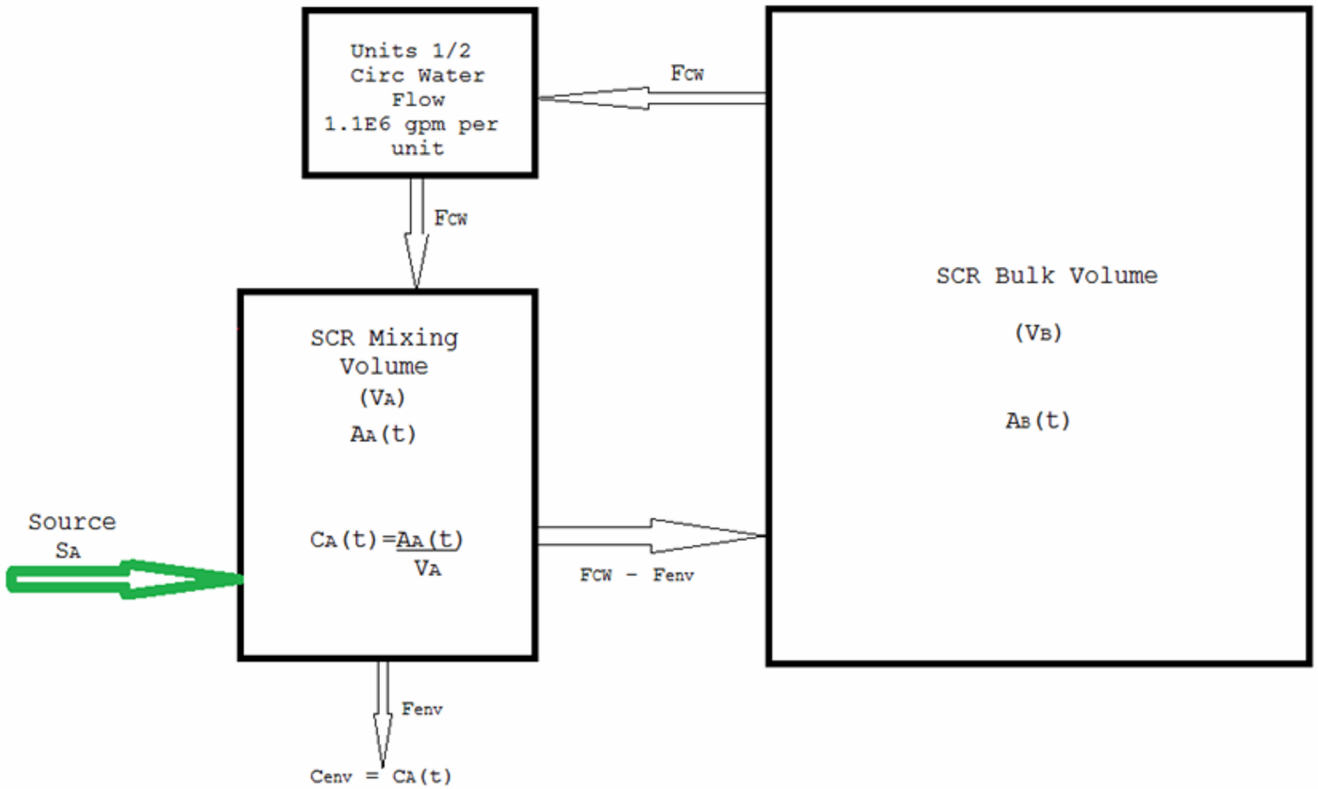


Figure 2.4.13-202 Simple Diagram of Source Term Activity Dilution and Mixing Effect in SCR

RCOL2_02.04.13-7

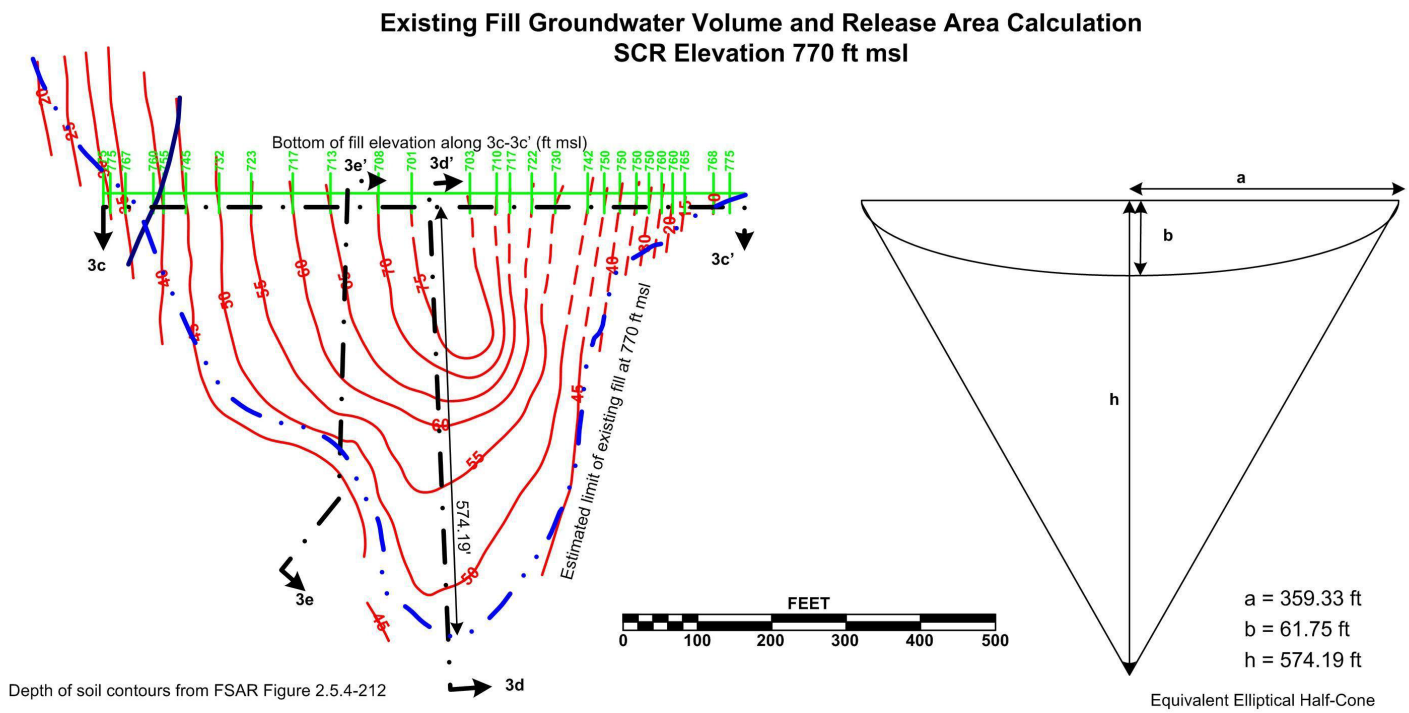
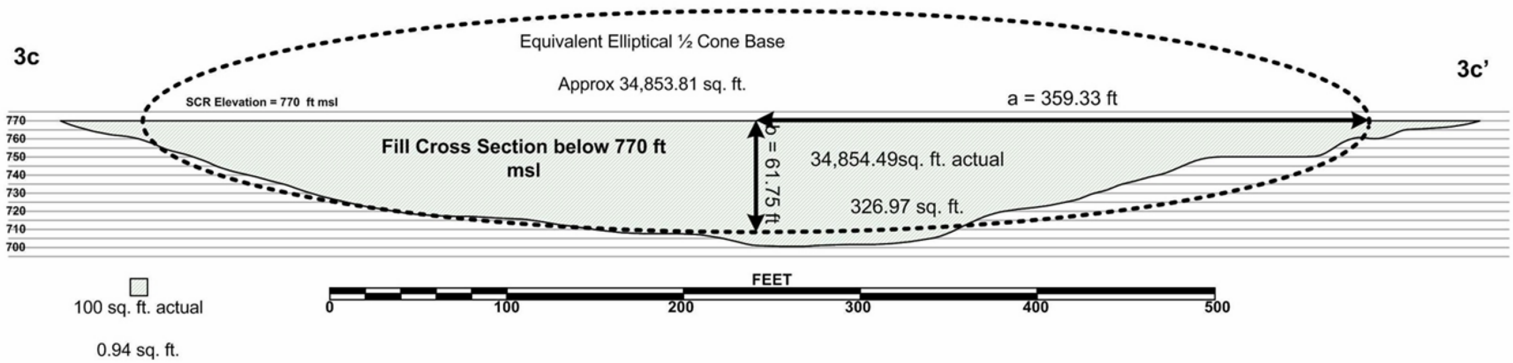


Figure 2.4.13-203 Existing Fill Geological Soil Contour and Comparison to Geometric Shape

RCOL2_02.04.13-7

Cross Section 3c
Infiltration Area Calculation
SCR Elevation = 770 ft msl

Surface area calculation of existing fill located below the level of Squaw Creek Reservoir



Approximate horizontal and vertical scale 1" = 80'

Bottom number is square footage as calculated by Visio 2003 shape area

Top number is actual square footage converted from Visio calculated area using the 100 sq. ft shape (10 ft x 10 ft) and Visio calculated area.

Conversion factor is 100 sq. ft. (actual) = 0.94 sq. ft. (measured); or, 1 sq ft (measured) = 106.60 sq. ft. (actual).

(Calculations performed in an Excel Spreadsheet and results rounded to 2 decimals)

Figure 2.4.13-204 Existing Fill Infiltration Area

RCOL2_02.04.13-7

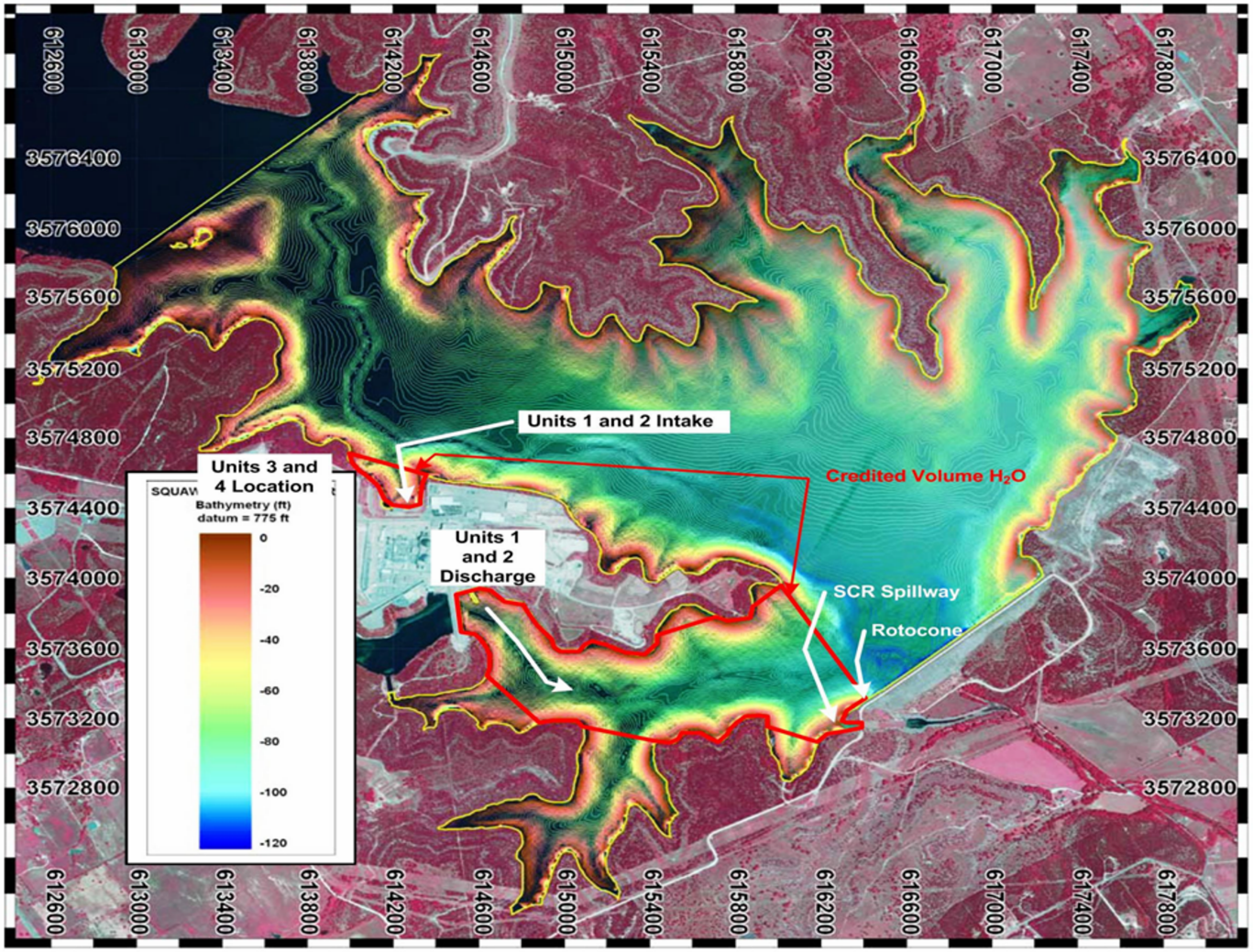


Figure 2.4.13-205 SCR Volume Credited with Dilution and Full CW Pump Operation

RCOL2_02.04.13-7

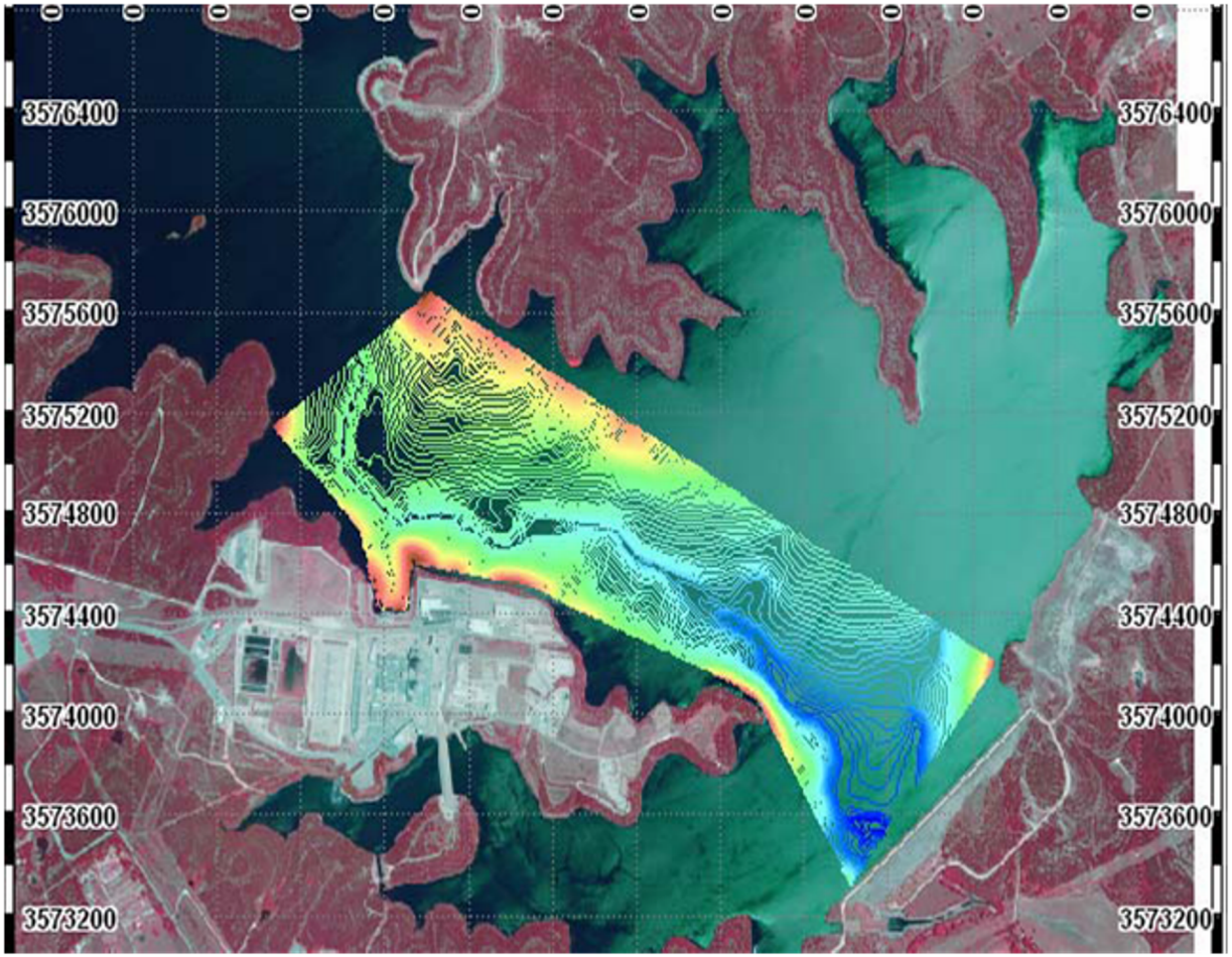


Figure 2.4.13-206 SCR Water Volume Credited for Dilution for No Flow Condition

RCOL2_02.04.13-7

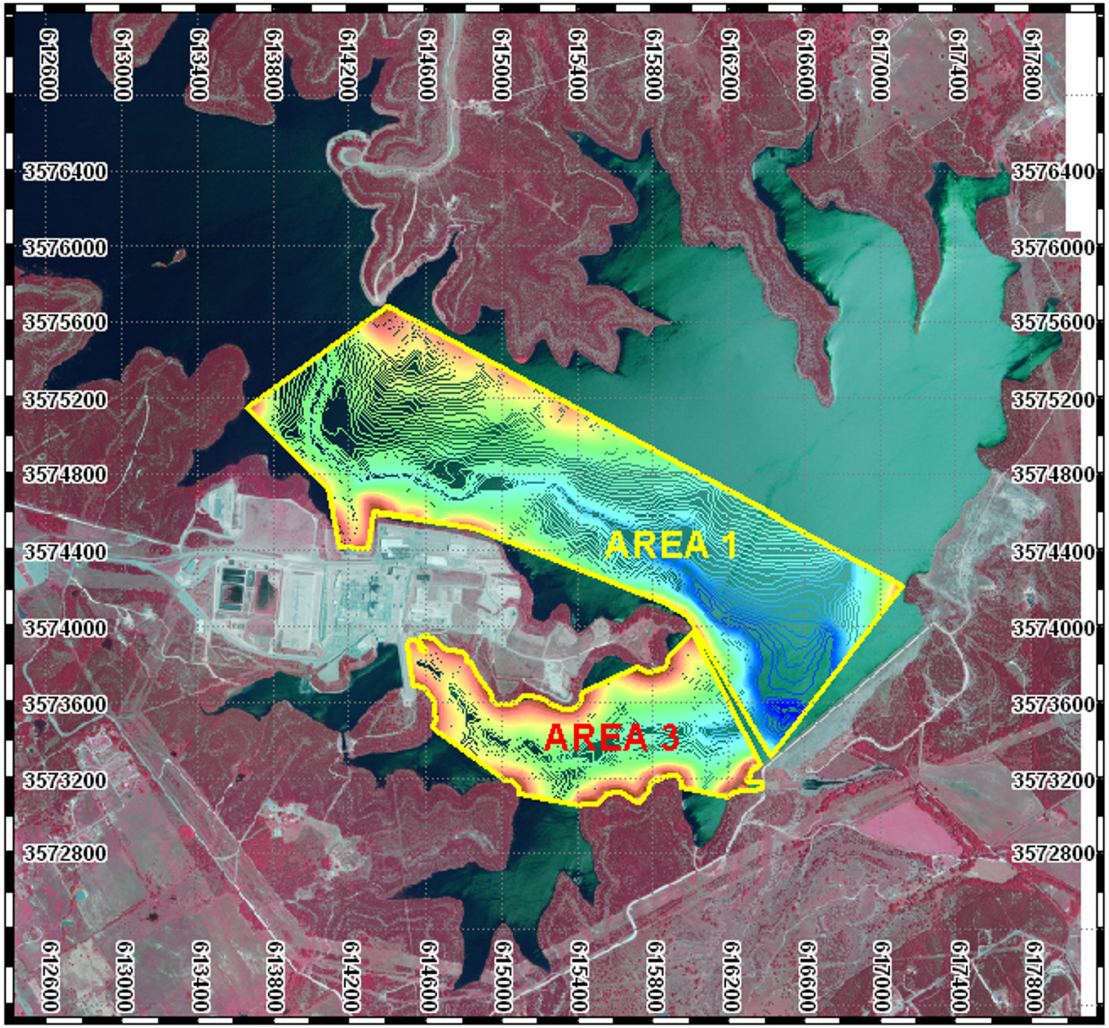


Figure 2.4.13-207 SCR Water Volume Credited for Dilution for Low-Flow Condition