2. RUNOFF VOLUME COMPUTATION

Use Equation a-5 to compute weighted excess precipitation:

Weighted E = "E" = $(E_A A_A + E_B A_B + E_C A_C + E_D A_D)/(A_A + A_B + A_C + A_D)$

$(A_A + A_B + A_C + A_D) = \sum A_i$

Use Equation a-6 to compute the volume:

V_{360} = "E" x $(A_A + A_B + A_C + A_D)$ x 3630 feet^3/acre·inch

Values of E_i are from Table A-8, and are in inches. Area values are in acres.

BASIN	E_A	A_A	E_B	A_B	E_C	A_C	E_D	A_D	$\sum A_i$	"E"	V_{360}
EXISTING VOLUME OF RUNOFF (CUBIC FEET)											
Basin A	0.44	0.000	0.67	0.000	0.99	2.488	1.97	1.392	3.880	1.34	18,895
Total											18,895
DEVELOPED VOLUME OF RUNOFF (CUBIC FEET)											
Basin A	0.44	0.000	0.67	0.000	0.99	2.451	1.97	1.429	3.880	1.35	19,027
Total											19,027