

Type.... Runoff CN-Area
Name.... SUBAREA 1J

File.... \\S10svr01\M\p\0403734\STORM\BASHER_KILL_PROPOSED.PPW

RUNOFF CURVE NUMBER DATA

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Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
Open space (Lawns,parks etc.) - Goo	74	3.154			74.00
Impervious Areas - Paved parking lo	98	1.663			98.00

COMPOSITE AREA & WEIGHTED CN ---> 4.817 82.29 (82)

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Type.... Runoff CN-Area
Name.... SUBAREA 1K

File.... \\S10svr01\M\p\0403734\STORM\BASHER_KILL_PROPOSED.PPW

RUNOFF CURVE NUMBER DATA

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Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
Woods - fair	36	.640			36.00
Woods - fair	73	.280			73.00
Open space (Lawns,parks etc.) - Goo	39	.553			39.00
Open space (Lawns,parks etc.) - Goo	74	1.080			74.00
Impervious Areas - Paved parking lo	98	.561			98.00

COMPOSITE AREA & WEIGHTED CN ---> 3.114 64.21 (64)

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Type.... Runoff CN-Area
Name.... SUBAREA 1L

File.... \\S10svr01\M\p\0403734\STORM\BASHER_KILL_PROPOSED.PPW

RUNOFF CURVE NUMBER DATA

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Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
Woods - good	30	3.676			30.00
Woods - fair	36	1.185			36.00
Woods - fair	73	1.085			73.00
Open space (Lawns,parks etc.) - Goo	39	4.777			39.00
Open space (Lawns,parks etc.) - Goo	74	7.157			74.00
Impervious Areas - Paved parking lo	98	4.966			98.00

COMPOSITE AREA & WEIGHTED CN ----> 22.846 62.80 (63)

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Type.... Runoff CN-Area
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RUNOFF CURVE NUMBER DATA

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Soil/Surface Description	CN	Area acres	Impervious		Adjusted CN
			%C	%UC	
Open space (Lawns,parks etc.) - Goo 39		5.187			39.00
Open space (Lawns,parks etc.) - Goo 74		2.146			74.00
Impervious Areas - Paved parking lo 98		4.183			98.00

COMPOSITE AREA & WEIGHTED CN ---> 11.516 66.95 (67)

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Type.... Runoff CN-Area
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RUNOFF CURVE NUMBER DATA

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Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
Open space (Lawns,parks etc.) - Goo	39	2.261			39.00
Impervious Areas - Paved parking lo	98	2.268			98.00
COMPOSITE AREA & WEIGHTED CN --->		4.529			68.55 (69)

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File.... \\s10svr01\m\p\0403734\STORM\BASHER_KILL_PROPOSED.PPW

RUNOFF CURVE NUMBER DATA

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Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
Woods - good	30	.707			30.00
Woods - fair	36	.985			36.00
Woods - fair	73	1.554			73.00
Open space (Lawns,parks etc.) - Goo	39	5.254			39.00
Open space (Lawns,parks etc.) - Goo	74	2.267			74.00
Impervious Areas - Paved parking lo	98	2.939			98.00

COMPOSITE AREA & WEIGHTED CN ---> 13.706 60.62 (61)

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RUNOFF CURVE NUMBER DATA

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Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
Woods - good	30	.139			30.00
Woods - good	77	1.043			77.00
Woods - fair	36	7.748			36.00
Woods - fair	73	1.096			73.00
Woods - fair	79	2.530			79.00
Open space (Lawns, parks etc.) - Goo	74	8.911			74.00
Impervious Areas - Paved parking lo	98	8.383			98.00

COMPOSITE AREA & WEIGHTED CN ---> 29.850 71.16 (71)

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Type.... Runoff CN-Area
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File.... \\s10svr01\M\p\0403734\STORM\BASHER_KILL_PROPOSED.PPW

RUNOFF CURVE NUMBER DATA

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Soil/Surface Description	CN	Area acres	Impervious Adjustment		Adjusted CN
			%C	%UC	
Woods - good	30	.474			30.00
Woods - good	77	.553			77.00
Woods - fair	36	2.158			36.00
Open space (Lawns,parks etc.) - Goo	39	1.206			39.00
Open space (Lawns,parks etc.) - Goo	74	.774			74.00
Open space (Lawns,parks etc.) - Goo	80	.256			80.00
Impervious Areas - Paved parking lo	98	1.059			98.00

COMPOSITE AREA & WEIGHTED CN ----> 6.480 ; 56.03 (56)

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RUNOFF CURVE NUMBER DATA

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Soil/Surface Description	CN	Area acres	Impervious		Adjusted CN
			%C	%UC	
Woods - good	77	.099			77.00
Open space (Lawns,parks etc.) - Goo	39	.350			39.00
Open space (Lawns,parks etc.) - Goo	80	3.630			80.00
Impervious Areas - Paved parking lo	98	1.302			98.00

COMPOSITE AREA & WEIGHTED CN ---> 5.381 81.63 (82)

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Elevation (ft)	Planimeter (sq.in)	Area (acres)	A1+A2+sqrt(A1*A2) (acres)	Volume (ac-ft)	Volume Sum (ac-ft)
664.00	-----	.0620	.0000	.000	.000
670.00	-----	.1930	.3644	.729	.729

POND VOLUME EQUATIONS

* Incremental volume computed by the Conic Method for Reservoir Volumes.

$$\text{Volume} = (1/3) * (\text{EL2}-\text{EL1}) * (\text{Areal} + \text{Area2} + \text{sq.rt.}(\text{Areal}*\text{Area2}))$$

where: EL1, EL2 = Lower and upper elevations of the increment
Areal,Area2 = Areas computed for EL1, EL2, respectively
Volume = Incremental volume between EL1 and EL2