APPENDIX B

HYDROLOGIC MODEL DATA FIGURES

FIGURE 1: SUBCATCHMENT LAND USE PERCENTAGES

Subcatchment ID	Landuse ID	% of Subcatchment Covered by Land Use
SUB-101	M-CSL-PR	2.3
SUB-101	M-CSL-NS	1.2
SUB-101	NS	51.1
SUB-101	CSL	10.9
SUB-101	M-NS-OSN	4.8
SUB-101	M-NS-CSL	1.9
SUB-101	R-W	27.8
SUB-103	R-W	21.2
SUB-103	NS	27.1
SUB-103	M-NS-OSN	41.0
SUB-103	M-CSL-PR	2.7
SUB-103	NM	0.6
SUB-103	M-CSL-NS	2.2
SUB-103	PR	5.1
SUB-105	R-W	23.5
SUB-105	CSH	10.8
SUB-105	M-IF-PR	0.7
SUB-105	M-NS-CSL	0.2
SUB-105	NS	20.5
SUB-105	IF	35.3
SUB-105	M-NS-OSN	4.2
SUB-105	M-CSL-PR	1.4
SUB-105	M-CSL-NS	3.1
SUB-105	M-CSH-PR	0.2
SUB-107	I	46.9
SUB-107	CSH	0.1
SUB-107	NS	12.0
SUB-107	R-W	18.9
SUB-107	M-I-OSN	22.1
SUB-109	M-NM-NS	1.3
SUB-109	M-CSH-NS	7.1
SUB-109	M-NS-CSL	3.1
SUB-109	R-W	21.8
SUB-109	IF	10.5
SUB-109	NS	16.5
SUB-109	CSH	39.7
SUB-11	IF	37.8
SUB-11	R-W	5.6
SUB-11	M-IF-OSN	56.7
SUB-111	R-W	31.2
SUB-111	OSN	55.7
SUB-111	M-I-OSN	0.0
SUB-111	IF	13.1
SUB-113	M-I-OSN	48.0
SUB-113	NS	36.9

Landuse ID	Description
A-NC	Anchor - Neighborhood Crossing
A-NMS	Anchor - Neighborhood Main Street
AN-S	Anchor Neighborhood - Primarily Single-Unit
CSH	High Intensity Commercial & Services
I	Industrial
IF	Industrial Flex
CSL	Low Intensity Commercial & Services
OSN	Open Spaces & Natural Features
PR	Parks & Recreational Facilities
NM	Primarily Multifamily Neighborhood
NS	Primarily Single-Unit Neighborhood
PQP	Public & Quasi-Public Buildings & Uses
R-W	Roadway and Waterway
M-AN-S-CSL	Modified-Anchor Single Unit-Low Intensity Commercial
M-AN-S-PR	Modified-Anchor Single Unit-Parks & Recreation
M-CSH-OSN	Modified-High Intensity Commercial-Open & Natural
M-CSH-PR	Modified-High Intensity Commercial-Parks & Recreation
M-CSH-NS	Modified-High Intensity Commercial-Single Unit
M-I-OSN	Modified-Industrial-Open Spaces & Natural
M-IF-OSN	Modified-Industrial Flex-Open Spaces & Natural
M-IF-PR	Modified-Industrial Flex-Parks & Recreation
M-CSL-PR	Modified-Low Intensity Commercial-Parks & Recreation
M-CSL-NS	Modified-Low Intensity Commercial-Single Unit
M-NM-PR	Modified-Multifamily-Parks & Recreation
M-NM-NS	Modified-Multifamily-Single Unit
M-NS-CSL	Modified-Single Unit-Low Intensity Commercial
M-NS-OSN	Modified-Single Unit-Open & Natural

SUB-113	IF	0.2
SUB-113	I	1.2
SUB-113	R-W	13.7
SUB-115	R-W	15.5
SUB-115	M-CSL-NS	9.0
SUB-115	M-NS-OSN	28.1
SUB-115	NS	45.3
SUB-115	M-NS-CSL	0.3
SUB-115	CSL	1.8
SUB-115	M-CSL-PR	0.1
SUB-117	I	45.5
SUB-117	M-I-OSN	32.7
SUB-117	R-W	21.8
SUB-119	I	98.7
SUB-119	R-W	1.3
SUB-121	R-W	7.2
SUB-121	M-CSL-NS	10.5
SUB-121	M-CSL-PR	3.6
SUB-121	NS	10.6
SUB-121	CSL	9.3
SUB-121	M-NS-OSN	2.4
SUB-121	M-NS-CSL	1.7
SUB-121	I	54.7
SUB-123	NS	73.9
SUB-123	AN-S	4.0
SUB-123	M-NS-CSL	3.7
SUB-123	R-W	18.4
SUB-125	R-W	20.2
SUB-125	M-IF-PR	7.3
SUB-125	IF	64.9
SUB-125	M-AN-S-CSL	1.0
SUB-125	AN-S	5.2
SUB-125	M-NS-OSN	1.5
SUB-127	M-NS-OSN	51.8
SUB-127	R-W	0.2
SUB-127	M-AN-S-CSL	1.2
SUB-127	AN-S	2.1
SUB-127	IF	14.9
SUB-127	NS	12.5
SUB-127	M-IF-OSN	15.0
SUB-127	M-IF-PR	2.3
SUB-129	M-NS-OSN	88.9
SUB-129	NS	10.7
SUB-129	R-W	0.4
SUB-13	R-W	12.0
SUB-13	I	39.0
SUB-13	IF	49.1

Landuse ID	Description
A-NC	Anchor - Neighborhood Crossing
A-NMS	Anchor - Neighborhood Main Street
AN-S	Anchor Neighborhood - Primarily Single-Unit
CSH	High Intensity Commercial & Services
I	Industrial
IF	Industrial Flex
CSL	Low Intensity Commercial & Services
OSN	Open Spaces & Natural Features
PR	Parks & Recreational Facilities
NM	Primarily Multifamily Neighborhood
NS	Primarily Single-Unit Neighborhood
PQP	Public & Quasi-Public Buildings & Uses
R-W	Roadway and Waterway
M-AN-S-CSL	Modified-Anchor Single Unit-Low Intensity Commercial
M-AN-S-PR	Modified-Anchor Single Unit-Parks & Recreation
M-CSH-OSN	Modified-High Intensity Commercial-Open & Natural
M-CSH-PR	Modified-High Intensity Commercial-Parks & Recreation
M-CSH-NS	Modified-High Intensity Commercial-Single Unit
M-I-OSN	Modified-Industrial-Open Spaces & Natural
M-IF-OSN	Modified-Industrial Flex-Open Spaces & Natural
M-IF-PR	Modified-Industrial Flex-Parks & Recreation
M-CSL-PR	Modified-Low Intensity Commercial-Parks & Recreation
M-CSL-NS	Modified-Low Intensity Commercial-Single Unit
M-NM-PR	Modified-Multifamily-Parks & Recreation
M-NM-NS	Modified-Multifamily-Single Unit
M-NS-CSL	Modified-Single Unit-Low Intensity Commercial
M-NS-OSN	Modified-Single Unit-Open & Natural

SUB-131	R-W	20.4
SUB-131	NS	62.6
SUB-131	AN-S	17.0
SUB-133	M-NS-CSL	1.6
SUB-133	NS	56.1
SUB-133	R-W	26.5
SUB-133	PR	15.9
SUB-135	R-W	48.8
SUB-135	I	8.4
SUB-135	IF	42.7
SUB-137	M-CSL-NS	1.1
SUB-137	NM	6.2
SUB-137	M-CSL-PR	0.2
SUB-137	CSL	1.1
SUB-137	NS	34.2
SUB-137	R-W	11.5
SUB-137	M-NS-OSN	6.6
SUB-137	IF	39.1
SUB-139	NS	1.1
SUB-139	M-IF-PR	0.2
SUB-139	PQP	0.1
SUB-139	R-W	5.7
SUB-139	M-NS-OSN	7.6
SUB-139	M-IF-OSN	61.9
SUB-139	IF	23.5
SUB-141	M-NS-OSN	1.2
SUB-141	NS	64.4
SUB-141	R-W	22.1
SUB-141	AN-S	4.6
SUB-141	NM	7.7
SUB-143	M-NS-CSL	0.0
SUB-143	CSL	10.6
SUB-143	R-W	8.0
SUB-143	M-CSL-NS	0.0
SUB-143	NS	81.5
SUB-145	R-W	25.4
SUB-145	NS	74.6
SUB-147	R-W	0.2
SUB-147	IF	99.8
SUB-149	IF	99.7
SUB-149	R-W	0.3
SUB-15	IF	47.2
SUB-15	R-W	4.2
SUB-15	NS	6.8
SUB-15	NM	22.0
SUB-15	M-IF-PR	19.8
SUB-15	I	0.0

Landuse ID	Description
A-NC	Anchor - Neighborhood Crossing
A-NMS	Anchor - Neighborhood Main Street
AN-S	Anchor Neighborhood - Primarily Single-Unit
CSH	High Intensity Commercial & Services
I	Industrial
IF	Industrial Flex
CSL	Low Intensity Commercial & Services
OSN	Open Spaces & Natural Features
PR	Parks & Recreational Facilities
NM	Primarily Multifamily Neighborhood
NS	Primarily Single-Unit Neighborhood
PQP	Public & Quasi-Public Buildings & Uses
R-W	Roadway and Waterway
M-AN-S-CSL	Modified-Anchor Single Unit-Low Intensity Commercial
M-AN-S-PR	Modified-Anchor Single Unit-Parks & Recreation
M-CSH-OSN	Modified-High Intensity Commercial-Open & Natural
M-CSH-PR	Modified-High Intensity Commercial-Parks & Recreation
M-CSH-NS	Modified-High Intensity Commercial-Single Unit
M-I-OSN	Modified-Industrial-Open Spaces & Natural
M-IF-OSN	Modified-Industrial Flex-Open Spaces & Natural
M-IF-PR	Modified-Industrial Flex-Parks & Recreation
M-CSL-PR	Modified-Low Intensity Commercial-Parks & Recreation
M-CSL-NS	Modified-Low Intensity Commercial-Single Unit
M-NM-PR	Modified-Multifamily-Parks & Recreation
M-NM-NS	Modified-Multifamily-Single Unit
M-NS-CSL	Modified-Single Unit-Low Intensity Commercial
M-NS-OSN	Modified-Single Unit-Open & Natural

SUB-151	I	5.4
SUB-151	M-I-OSN	77.9
SUB-151	R-W	16.8
SUB-153	R-W	14.2
SUB-153	NS	61.3
SUB-153	CSL	6.2
SUB-153	M-NS-CSL	0.1
SUB-153	M-CSL-NS	18.3
SUB-155	CSL	5.7
SUB-155	M-CSL-NS	0.3
SUB-155	AN-S	27.5
SUB-155	NS	39.9
SUB-155	R-W	20.1
SUB-155	M-NS-OSN	2.8
SUB-155	M-NS-CSL	3.7
SUB-157	NS	11.9
SUB-157	AN-S	46.4
SUB-157	M-NS-CSL	1.7
SUB-157	M-NS-OSN	14.5
SUB-157	R-W	25.5
SUB-159	R-W	24.9
SUB-159	AN-S	55.3
SUB-159	NS	19.8
SUB-161	AN-S	5.4
SUB-161	M-NS-OSN	0.5
SUB-161	NS	69.2
SUB-161	R-W	25.0
SUB-163	R-W	11.1
SUB-163	M-CSL-NS	28.0
SUB-163	NS	22.6
SUB-163	CSL	20.3
SUB-163	M-NS-CSL	10.8
SUB-163	I	4.8
SUB-163	M-CSL-PR	2.5
SUB-165	M-CSL-NS	26.5
SUB-165	I	73.5
SUB-167	NS	45.1
SUB-167	M-CSL-PR	2.2
SUB-167	CSL	5.4
SUB-167	I	0.6
SUB-167	R-W	31.3
SUB-167	M-CSL-NS	13.3
SUB-167	M-NS-CSL	2.0
SUB-169	M-CSL-PR	0.0
SUB-169	M-NS-OSN	0.2
SUB-169	NS	80.6
SUB-169	R-W	19.2

Landuse ID	Description
A-NC	Anchor - Neighborhood Crossing
A-NMS	Anchor - Neighborhood Main Street
AN-S	Anchor Neighborhood - Primarily Single-Unit
CSH	High Intensity Commercial & Services
I	Industrial
IF	Industrial Flex
CSL	Low Intensity Commercial & Services
OSN	Open Spaces & Natural Features
PR	Parks & Recreational Facilities
NM	Primarily Multifamily Neighborhood
NS	Primarily Single-Unit Neighborhood
PQP	Public & Quasi-Public Buildings & Uses
R-W	Roadway and Waterway
M-AN-S-CSL	Modified-Anchor Single Unit-Low Intensity Commercial
M-AN-S-PR	Modified-Anchor Single Unit-Parks & Recreation
M-CSH-OSN	Modified-High Intensity Commercial-Open & Natural
M-CSH-PR	Modified-High Intensity Commercial-Parks & Recreation
M-CSH-NS	Modified-High Intensity Commercial-Single Unit
M-I-OSN	Modified-Industrial-Open Spaces & Natural
M-IF-OSN	Modified-Industrial Flex-Open Spaces & Natural
M-IF-PR	Modified-Industrial Flex-Parks & Recreation
M-CSL-PR	Modified-Low Intensity Commercial-Parks & Recreation
M-CSL-NS	Modified-Low Intensity Commercial-Single Unit
M-NM-PR	Modified-Multifamily-Parks & Recreation
M-NM-NS	Modified-Multifamily-Single Unit
M-NS-CSL	Modified-Single Unit-Low Intensity Commercial
M-NS-OSN	Modified-Single Unit-Open & Natural

SUB-17	M-NS-CSL	4.9
SUB-17	PQP	13.9
SUB-17	R-W	17.8
SUB-17	NS	63.3
SUB-171	R-W	21.1
SUB-171	AN-S	13.7
SUB-171	NS	64.1
SUB-171	PR	1.1
SUB-173	NS	71.9
SUB-173	R-W	28.1
SUB-175	M-CSL-NS	8.2
SUB-175	NS	10.4
SUB-175	R-W	41.3
SUB-175	M-CSL-PR	22.4
SUB-175	M-NS-OSN	0.1
SUB-175	NM	13.0
SUB-175	M-NS-CSL	4.6
SUB-177	R-W	2.4
SUB-177	M-NS-OSN	86.7
SUB-177	NS	10.9
SUB-179	M-NS-OSN	0.3
SUB-179	R-W	30.7
SUB-179	NS	69.0
SUB-181	M-NS-OSN	0.2
SUB-181	AN-S	7.8
SUB-181	NS	45.3
SUB-181	R-W	46.7
SUB-183	R-W	27.2
SUB-183	AN-S	2.2
SUB-183	NS	70.6
SUB-185	R-W	27.9
SUB-185	M-NS-CSL	0.5
SUB-185	AN-S	0.5
SUB-185	NS	71.2
SUB-187	M-NS-CSL	3.7
SUB-187	R-W	16.2
SUB-187	NS	80.1
SUB-189	R-W	11.6
SUB-189	NS	88.4
SUB-19	NS	76.5
SUB-19	R-W	23.5
SUB-191	M-CSL-NS	7.4
SUB-191	M-CSL-PR	1.1
SUB-191	M-NS-OSN	18.5
SUB-191	NS	47.4
SUB-191	R-W	15.0
SUB-191	IF	0.0

Landuse ID	Description
A-NC	Anchor - Neighborhood Crossing
A-NMS	Anchor - Neighborhood Main Street
AN-S	Anchor Neighborhood - Primarily Single-Unit
CSH	High Intensity Commercial & Services
I	Industrial
IF	Industrial Flex
CSL	Low Intensity Commercial & Services
OSN	Open Spaces & Natural Features
PR	Parks & Recreational Facilities
NM	Primarily Multifamily Neighborhood
NS	Primarily Single-Unit Neighborhood
PQP	Public & Quasi-Public Buildings & Uses
R-W	Roadway and Waterway
M-AN-S-CSL	Modified-Anchor Single Unit-Low Intensity Commercial
M-AN-S-PR	Modified-Anchor Single Unit-Parks & Recreation
M-CSH-OSN	Modified-High Intensity Commercial-Open & Natural
M-CSH-PR	Modified-High Intensity Commercial-Parks & Recreation
M-CSH-NS	Modified-High Intensity Commercial-Single Unit
M-I-OSN	Modified-Industrial-Open Spaces & Natural
M-IF-OSN	Modified-Industrial Flex-Open Spaces & Natural
M-IF-PR	Modified-Industrial Flex-Parks & Recreation
M-CSL-PR	Modified-Low Intensity Commercial-Parks & Recreation
M-CSL-NS	Modified-Low Intensity Commercial-Single Unit
M-NM-PR	Modified-Multifamily-Parks & Recreation
M-NM-NS	Modified-Multifamily-Single Unit
M-NS-CSL	Modified-Single Unit-Low Intensity Commercial
M-NS-OSN	Modified-Single Unit-Open & Natural

SUB-191	M-IF-PR	10.5
SUB-193	R-W	13.5
SUB-193	CSH	83.2
SUB-193	M-I-OSN	1.9
SUB-193	I	1.4
SUB-195	R-W	13.0
SUB-195	NS	86.5
SUB-195	M-NS-CSL	0.5
SUB-197	NS	83.9
SUB-197	R-W	16.1
SUB-199	NS	69.9
SUB-199	R-W	30.1
SUB-201	R-W	4.1
SUB-201	M-I-OSN	6.8
SUB-201	NS	89.1
SUB-203	M-NS-CSL	10.9
SUB-203	NS	73.4
SUB-203	R-W	15.7
SUB-203	IF	0.0
SUB-205	NS	9.7
SUB-205	CSH	41.5
SUB-205	M-NS-CSL	13.1
SUB-205	IF	12.0
SUB-205	M-IF-PR	0.7
SUB-205	R-W	23.1
SUB-207	M-I-OSN	60.8
SUB-207	NS	4.7
SUB-207	IF	34.5
SUB-209	M-I-OSN	22.4
SUB-209	M-IF-PR	0.9
SUB-209	R-W	28.6
SUB-209	IF	43.5
SUB-209	CSH	4.5
SUB-21	CSH	9.2
SUB-21	NS	81.3
SUB-21	R-W	9.5
SUB-211	AN-S	28.3
SUB-211	R-W	25.8
SUB-211	NS	16.3
SUB-211	CSH	29.6
SUB-211	M-NM-NS	0.1
SUB-213	M-IF-PR	20.6
SUB-213	IF	44.8
SUB-213	M-NM-NS	8.5
SUB-213	M-CSH-NS	12.9
SUB-213	R-W	13.2
SUB-215	M-NM-PR	2.2

Landuse ID	Description
A-NC	Anchor - Neighborhood Crossing
A-NMS	Anchor - Neighborhood Main Street
AN-S	Anchor Neighborhood - Primarily Single-Unit
CSH	High Intensity Commercial & Services
I	Industrial
IF	Industrial Flex
CSL	Low Intensity Commercial & Services
OSN	Open Spaces & Natural Features
PR	Parks & Recreational Facilities
NM	Primarily Multifamily Neighborhood
NS	Primarily Single-Unit Neighborhood
PQP	Public & Quasi-Public Buildings & Uses
R-W	Roadway and Waterway
M-AN-S-CSL	Modified-Anchor Single Unit-Low Intensity Commercial
M-AN-S-PR	Modified-Anchor Single Unit-Parks & Recreation
M-CSH-OSN	Modified-High Intensity Commercial-Open & Natural
M-CSH-PR	Modified-High Intensity Commercial-Parks & Recreation
M-CSH-NS	Modified-High Intensity Commercial-Single Unit
M-I-OSN	Modified-Industrial-Open Spaces & Natural
M-IF-OSN	Modified-Industrial Flex-Open Spaces & Natural
M-IF-PR	Modified-Industrial Flex-Parks & Recreation
M-CSL-PR	Modified-Low Intensity Commercial-Parks & Recreation
M-CSL-NS	Modified-Low Intensity Commercial-Single Unit
M-NM-PR	Modified-Multifamily-Parks & Recreation
M-NM-NS	Modified-Multifamily-Single Unit
M-NS-CSL	Modified-Single Unit-Low Intensity Commercial
M-NS-OSN	Modified-Single Unit-Open & Natural

SUB-215	R-W	25.7
SUB-215	NM	4.0
SUB-215	AN-S	2.2
SUB-215	NS	66.0
SUB-217	M-CSH-OSN	3.1
SUB-217	R-W	18.4
SUB-217	AN-S	57.5
SUB-217	NS	21.0
SUB-219	AN-S	32.2
SUB-219	M-AN-S-CSL	1.1
SUB-219	NS	47.0
SUB-219	M-NS-OSN	0.3
SUB-219	R-W	19.4
SUB-221	M-NS-OSN	1.8
SUB-221	R-W	9.3
SUB-221	IF	82.9
SUB-221	NS	5.9
SUB-223	NS	11.7
SUB-223	IF	59.7
SUB-223	R-W	28.6
SUB-223	M-IF-PR	0.0
SUB-225	IF	1.3
SUB-225	NS	96.3
SUB-225	R-W	2.4
SUB-227	R-W	1.6
SUB-227	NS	4.1
SUB-227	I	18.8
SUB-227	IF	7.5
SUB-227	M-IF-PR	68.0
SUB-229	IF	100.0
SUB-229	R-W	0.0
SUB-23	R-W	7.4
SUB-23	NS	92.6
SUB-231	OSN	86.4
SUB-231	R-W	11.2
SUB-231	M-I-OSN	2.5
SUB-233	R-W	16.0
SUB-233	NS	64.2
SUB-233	NM	1.0
SUB-233	PQP	18.9
SUB-235	CSL	1.8
SUB-235	NS	54.7
SUB-235	M-CSL-NS	2.6
SUB-235	R-W	13.8
SUB-235	M-CSL-PR	3.4
SUB-235	CSH	23.6
SUB-237	R-W	11.2

Landuse ID	Description
A-NC	Anchor - Neighborhood Crossing
A-NMS	Anchor - Neighborhood Main Street
AN-S	Anchor Neighborhood - Primarily Single-Unit
CSH	High Intensity Commercial & Services
I	Industrial
IF	Industrial Flex
CSL	Low Intensity Commercial & Services
OSN	Open Spaces & Natural Features
PR	Parks & Recreational Facilities
NM	Primarily Multifamily Neighborhood
NS	Primarily Single-Unit Neighborhood
PQP	Public & Quasi-Public Buildings & Uses
R-W	Roadway and Waterway
M-AN-S-CSL	Modified-Anchor Single Unit-Low Intensity Commercial
M-AN-S-PR	Modified-Anchor Single Unit-Parks & Recreation
M-CSH-OSN	Modified-High Intensity Commercial-Open & Natural
M-CSH-PR	Modified-High Intensity Commercial-Parks & Recreation
M-CSH-NS	Modified-High Intensity Commercial-Single Unit
M-I-OSN	Modified-Industrial-Open Spaces & Natural
M-IF-OSN	Modified-Industrial Flex-Open Spaces & Natural
M-IF-PR	Modified-Industrial Flex-Parks & Recreation
M-CSL-PR	Modified-Low Intensity Commercial-Parks & Recreation
M-CSL-NS	Modified-Low Intensity Commercial-Single Unit
M-NM-PR	Modified-Multifamily-Parks & Recreation
M-NM-NS	Modified-Multifamily-Single Unit
M-NS-CSL	Modified-Single Unit-Low Intensity Commercial
M-NS-OSN	Modified-Single Unit-Open & Natural

SUB-237	CSH	3.7
SUB-237	NS	85.1
SUB-239	R-W	5.0
SUB-239	NS	95.0
SUB-241	NS	86.1
SUB-241	R-W	13.9
SUB-243	NS	90.2
SUB-243	R-W	9.8
SUB-245	NS	56.5
SUB-245	CSL	18.0
SUB-245	R-W	15.9
SUB-245	CSH	8.1
SUB-245	IF	1.5
SUB-247	R-W	17.6
SUB-247	NS	82.4
SUB-249	CSL	24.0
SUB-249	M-CSL-NS	3.3
SUB-249	R-W	29.6
SUB-249	M-CSL-PR	2.1
SUB-249	M-NS-CSL	17.1
SUB-249	NS	23.3
SUB-249	M-IF-OSN	0.6
SUB-249	M-IF-PR	0.0
SUB-25	NS	81.4
SUB-25	R-W	18.6
SUB-251	M-IF-PR	30.0
SUB-251	M-IF-OSN	37.4
SUB-251	IF	15.4
SUB-251	R-W	17.2
SUB-27	NS	86.0
SUB-27	R-W	14.0
SUB-29	NS	97.4
SUB-29	R-W	2.6
SUB-3	R-W	4.8
SUB-3	I	13.7
SUB-3	M-I-OSN	81.4
SUB-31	NS	76.7
SUB-31	R-W	9.8
SUB-31	PQP	13.6
SUB-33	IF	92.5
SUB-33	R-W	0.5
SUB-33	M-IF-PR	7.0
SUB-35	M-IF-OSN	93.3
SUB-35	IF	5.3
SUB-35	R-W	1.4
SUB-37	IF	23.3
SUB-37	R-W	0.2

Landuse ID	Description
A-NC	Anchor - Neighborhood Crossing
A-NMS	Anchor - Neighborhood Main Street
AN-S	Anchor Neighborhood - Primarily Single-Unit
CSH	High Intensity Commercial & Services
I	Industrial
IF	Industrial Flex
CSL	Low Intensity Commercial & Services
OSN	Open Spaces & Natural Features
PR	Parks & Recreational Facilities
NM	Primarily Multifamily Neighborhood
NS	Primarily Single-Unit Neighborhood
PQP	Public & Quasi-Public Buildings & Uses
R-W	Roadway and Waterway
M-AN-S-CSL	Modified-Anchor Single Unit-Low Intensity Commercial
M-AN-S-PR	Modified-Anchor Single Unit-Parks & Recreation
M-CSH-OSN	Modified-High Intensity Commercial-Open & Natural
M-CSH-PR	Modified-High Intensity Commercial-Parks & Recreation
M-CSH-NS	Modified-High Intensity Commercial-Single Unit
M-I-OSN	Modified-Industrial-Open Spaces & Natural
M-IF-OSN	Modified-Industrial Flex-Open Spaces & Natural
M-IF-PR	Modified-Industrial Flex-Parks & Recreation
M-CSL-PR	Modified-Low Intensity Commercial-Parks & Recreation
M-CSL-NS	Modified-Low Intensity Commercial-Single Unit
M-NM-PR	Modified-Multifamily-Parks & Recreation
M-NM-NS	Modified-Multifamily-Single Unit
M-NS-CSL	Modified-Single Unit-Low Intensity Commercial
M-NS-OSN	Modified-Single Unit-Open & Natural

SUB-37	M-IF-OSN	76.6
SUB-39	I	21.1
SUB-39	NS	19.9
SUB-39	R-W	16.1
SUB-39	CSH	42.9
SUB-39	M-IF-PR	0.0
SUB-41	M-I-OSN	100.0
SUB-43	OSN	0.2
SUB-43	M-I-OSN	22.6
SUB-43	R-W	3.9
SUB-43	I	73.2
SUB-45	M-IF-PR	0.8
SUB-45	M-CSH-NS	2.2
SUB-45	R-W	12.6
SUB-45	IF	25.5
SUB-45	I	17.1
SUB-45	M-IF-OSN	41.8
SUB-47	I	73.5
SUB-47	R-W	6.9
SUB-47	M-I-OSN	19.6
SUB-49	M-NS-OSN	7.6
SUB-49	M-CSL-NS	6.3
SUB-49	R-W	8.1
SUB-49	NS	24.2
SUB-49	I	51.1
SUB-49	CSL	2.0
SUB-49	M-NS-CSL	0.7
SUB-5	M-I-OSN	51.5
SUB-5	OSN	48.6
SUB-51	NS	67.7
SUB-51	M-NS-OSN	11.4
SUB-51	M-NS-CSL	0.1
SUB-51	R-W	20.8
SUB-53	R-W	18.9
SUB-53	AN-S	77.8
SUB-53	A-NC	1.7
SUB-53	M-AN-S-PR	0.1
SUB-53	M-AN-S-CSL	1.6
SUB-55	NS	51.9
SUB-55	M-NM-PR	0.7
SUB-55	M-NS-CSL	6.9
SUB-55	PR	8.1
SUB-55	NM	0.2
SUB-55	CSL	6.6
SUB-55	R-W	25.6
SUB-57	R-W	30.4
SUB-57	NS	43.5

Landuse ID	Description
A-NC	Anchor - Neighborhood Crossing
A-NMS	Anchor - Neighborhood Main Street
AN-S	Anchor Neighborhood - Primarily Single-Unit
CSH	High Intensity Commercial & Services
I	Industrial
IF	Industrial Flex
CSL	Low Intensity Commercial & Services
OSN	Open Spaces & Natural Features
PR	Parks & Recreational Facilities
NM	Primarily Multifamily Neighborhood
NS	Primarily Single-Unit Neighborhood
PQP	Public & Quasi-Public Buildings & Uses
R-W	Roadway and Waterway
M-AN-S-CSL	Modified-Anchor Single Unit-Low Intensity Commercial
M-AN-S-PR	Modified-Anchor Single Unit-Parks & Recreation
M-CSH-OSN	Modified-High Intensity Commercial-Open & Natural
M-CSH-PR	Modified-High Intensity Commercial-Parks & Recreation
M-CSH-NS	Modified-High Intensity Commercial-Single Unit
M-I-OSN	Modified-Industrial-Open Spaces & Natural
M-IF-OSN	Modified-Industrial Flex-Open Spaces & Natural
M-IF-PR	Modified-Industrial Flex-Parks & Recreation
M-CSL-PR	Modified-Low Intensity Commercial-Parks & Recreation
M-CSL-NS	Modified-Low Intensity Commercial-Single Unit
M-NM-PR	Modified-Multifamily-Parks & Recreation
M-NM-NS	Modified-Multifamily-Single Unit
M-NS-CSL	Modified-Single Unit-Low Intensity Commercial
M-NS-OSN	Modified-Single Unit-Open & Natural

SUB-57	M-CSL-PR	15.4
SUB-57	M-CSL-NS	9.4
SUB-57	M-NS-OSN	1.3
SUB-59	NS	79.7
SUB-59	M-NS-CSL	15.4
SUB-59	R-W	4.9
SUB-61	R-W	17.9
SUB-61	AN-S	2.9
SUB-61	CSH	14.9
SUB-61	M-CSH-NS	15.6
SUB-61	M-CSL-NS	2.2
SUB-61	NS	0.7
SUB-61	M-AN-S-PR	1.3
SUB-61	M-NS-OSN	32.0
SUB-61	M-NM-PR	7.5
SUB-61	CSL	2.5
SUB-61	M-AN-S-CSL	2.1
SUB-61	NM	0.5
SUB-63	R-W	8.8
SUB-63	CSH	12.6
SUB-63	AN-S	2.7
SUB-63	NS	2.7
SUB-63	A-NMS	5.6
SUB-63	IF	1.5
SUB-63	M-CSH-OSN	44.3
SUB-63	M-NM-PR	21.2
SUB-63	CSL	0.6
SUB-65	R-W	9.0
SUB-65	M-CSH-NS	21.8
SUB-65	AN-S	10.5
SUB-65	CSH	3.8
SUB-65	A-NMS	52.4
SUB-65	IF	2.5
SUB-67	IF	92.3
SUB-67	AN-S	0.9
SUB-67	M-CSH-NS	0.5
SUB-67	R-W	6.4
SUB-69	IF	98.9
SUB-69	R-W	1.1
SUB-7	M-IF-OSN	57.3
SUB-7	IF	30.1
SUB-7	OSN	12.6
SUB-71	M-NS-OSN	1.0
SUB-71	R-W	22.4
SUB-71	NS	61.6
SUB-71	AN-S	15.0
SUB-73	PQP	8.0

Landuse ID	Description
A-NC	Anchor - Neighborhood Crossing
A-NMS	Anchor - Neighborhood Main Street
AN-S	Anchor Neighborhood - Primarily Single-Unit
CSH	High Intensity Commercial & Services
I	Industrial
IF	Industrial Flex
CSL	Low Intensity Commercial & Services
OSN	Open Spaces & Natural Features
PR	Parks & Recreational Facilities
NM	Primarily Multifamily Neighborhood
NS	Primarily Single-Unit Neighborhood
PQP	Public & Quasi-Public Buildings & Uses
R-W	Roadway and Waterway
M-AN-S-CSL	Modified-Anchor Single Unit-Low Intensity Commercial
M-AN-S-PR	Modified-Anchor Single Unit-Parks & Recreation
M-CSH-OSN	Modified-High Intensity Commercial-Open & Natural
M-CSH-PR	Modified-High Intensity Commercial-Parks & Recreation
M-CSH-NS	Modified-High Intensity Commercial-Single Unit
M-I-OSN	Modified-Industrial-Open Spaces & Natural
M-IF-OSN	Modified-Industrial Flex-Open Spaces & Natural
M-IF-PR	Modified-Industrial Flex-Parks & Recreation
M-CSL-PR	Modified-Low Intensity Commercial-Parks & Recreation
M-CSL-NS	Modified-Low Intensity Commercial-Single Unit
M-NM-PR	Modified-Multifamily-Parks & Recreation
M-NM-NS	Modified-Multifamily-Single Unit
M-NS-CSL	Modified-Single Unit-Low Intensity Commercial
M-NS-OSN	Modified-Single Unit-Open & Natural

SUB-73	PR	37.6
SUB-73	NM	13.8
SUB-73	R-W	7.5
SUB-73	M-NM-PR	6.9
SUB-73	NS	16.6
SUB-73	AN-S	9.6
SUB-75	PQP	5.2
SUB-75	AN-S	0.0
SUB-75	PR	20.2
SUB-75	M-NS-OSN	4.6
SUB-75	M-NS-CSL	1.6
SUB-75	R-W	13.2
SUB-75	NS	55.2
SUB-77	IF	55.2
SUB-77	AN-S	11.0
SUB-77	M-CSH-NS	0.3
SUB-77	M-NM-NS	5.9
SUB-77	CSH	18.4
SUB-77	R-W	9.2
SUB-79	CSH	8.0
SUB-79	NS	0.1
SUB-79	AN-S	67.7
SUB-79	R-W	17.7
SUB-79	M-NS-CSL	0.5
SUB-79	M-CSH-NS	6.0
SUB-81	M-IF-PR	20.6
SUB-81	IF	79.4
SUB-83	M-IF-PR	24.5
SUB-83	IF	28.8
SUB-83	M-IF-OSN	46.7
SUB-85	OSN	21.2
SUB-85	M-IF-OSN	29.3
SUB-85	M-IF-PR	39.0
SUB-85	IF	10.6
SUB-87	R-W	1.5
SUB-87	IF	98.5
SUB-89	R-W	1.0
SUB-89	IF	99.0
SUB-9	I	0.0
SUB-9	OSN	0.1
SUB-9	M-IF-PR	0.0
SUB-9	IF	16.8
SUB-9	M-I-OSN	73.6
SUB-9	M-IF-OSN	9.1
SUB-9	R-W	0.4
SUB-91	IF	94.4
SUB-91	R-W	5.6

Landuse ID	Description
A-NC	Anchor - Neighborhood Crossing
A-NMS	Anchor - Neighborhood Main Street
AN-S	Anchor Neighborhood - Primarily Single-Unit
CSH	High Intensity Commercial & Services
I	Industrial
IF	Industrial Flex
CSL	Low Intensity Commercial & Services
OSN	Open Spaces & Natural Features
PR	Parks & Recreational Facilities
NM	Primarily Multifamily Neighborhood
NS	Primarily Single-Unit Neighborhood
PQP	Public & Quasi-Public Buildings & Uses
R-W	Roadway and Waterway
M-AN-S-CSL	Modified-Anchor Single Unit-Low Intensity Commercial
M-AN-S-PR	Modified-Anchor Single Unit-Parks & Recreation
M-CSH-OSN	Modified-High Intensity Commercial-Open & Natural
M-CSH-PR	Modified-High Intensity Commercial-Parks & Recreation
M-CSH-NS	Modified-High Intensity Commercial-Single Unit
M-I-OSN	Modified-Industrial-Open Spaces & Natural
M-IF-OSN	Modified-Industrial Flex-Open Spaces & Natural
M-IF-PR	Modified-Industrial Flex-Parks & Recreation
M-CSL-PR	Modified-Low Intensity Commercial-Parks & Recreation
M-CSL-NS	Modified-Low Intensity Commercial-Single Unit
M-NM-PR	Modified-Multifamily-Parks & Recreation
M-NM-NS	Modified-Multifamily-Single Unit
M-NS-CSL	Modified-Single Unit-Low Intensity Commercial
M-NS-OSN	Modified-Single Unit-Open & Natural

SUB-93	R-W	0.0
SUB-93	IF	87.5
SUB-93	OSN	12.5
SUB-95	IF	6.4
SUB-95	M-IF-OSN	23.1
SUB-95	PQP	9.8
SUB-95	R-W	3.3
SUB-95	PR	14.4
SUB-95	M-NS-OSN	39.6
SUB-95	NS	3.4
SUB-97	IF	92.5
SUB-97	I	3.5
SUB-97	R-W	4.1
SUB-99	I	15.4
SUB-99	M-I-OSN	82.6
SUB-99	R-W	2.1

Landuse ID	Description
A-NC	Anchor - Neighborhood Crossing
A-NMS	Anchor - Neighborhood Main Street
AN-S	Anchor Neighborhood - Primarily Single-Unit
CSH	High Intensity Commercial & Services
I	Industrial
IF	Industrial Flex
CSL	Low Intensity Commercial & Services
OSN	Open Spaces & Natural Features
PR	Parks & Recreational Facilities
NM	Primarily Multifamily Neighborhood
NS	Primarily Single-Unit Neighborhood
PQP	Public & Quasi-Public Buildings & Uses
R-W	Roadway and Waterway
M-AN-S-CSL	Modified-Anchor Single Unit-Low Intensity Commercial
M-AN-S-PR	Modified-Anchor Single Unit-Parks & Recreation
M-CSH-OSN	Modified-High Intensity Commercial-Open & Natural
M-CSH-PR	Modified-High Intensity Commercial-Parks & Recreation
M-CSH-NS	Modified-High Intensity Commercial-Single Unit
M-I-OSN	Modified-Industrial-Open Spaces & Natural
M-IF-OSN	Modified-Industrial Flex-Open Spaces & Natural
M-IF-PR	Modified-Industrial Flex-Parks & Recreation
M-CSL-PR	Modified-Low Intensity Commercial-Parks & Recreation
M-CSL-NS	Modified-Low Intensity Commercial-Single Unit
M-NM-PR	Modified-Multifamily-Parks & Recreation
M-NM-NS	Modified-Multifamily-Single Unit
M-NS-CSL	Modified-Single Unit-Low Intensity Commercial
M-NS-OSN	Modified-Single Unit-Open & Natural

FIGURE 2: SUBCATCHMENT SOIL PERCENTAGES

Subcatchment ID	Soil ID	% of Subcatchment Covered by the Soil
SUB-101	SILTLOAM	2.9
SUB-101	SILTYCLAY	97.1
SUB-103	SILTLOAM	12.2
SUB-103	SILTYCLAY	87.8
SUB-105	SILTLOAM	68.5
SUB-105	SILTYCLAY	31.5
SUB-107	SILTLOAM	100.0
SUB-109	SILTYCLAY	33.5
SUB-109	SILTLOAM	66.5
SUB-11	SILTLOAM	97.5
SUB-11	SILTYCLAY	2.5
SUB-111	SILTYCLAY	1.7
SUB-111	SILTLOAM	98.3
SUB-113	SILTLOAM	99.0
SUB-113	SILTYCLAY	1.0
SUB-115	SILTLOAM	2.0
SUB-115	SILTYCLAY	98.0
SUB-117	SILTYCLAY	12.2
SUB-117	CLAY	3.8
SUB-117	SILTLOAM	84.1
SUB-119	SILTLOAM	4.6
SUB-119	SILTYCLAY	95.4
SUB-121	SILTLOAM	95.6
SUB-121	SILTYCLAY	4.4
SUB-123	SILTLOAM	100.0
SUB-125	SILTLOAM	77.9
SUB-125	SILTYCLAY	22.1
SUB-127	SILTLOAM	93.2
SUB-127	SILTYCLAY	6.8
SUB-129	SILTLOAM	100.0
SUB-13	SILTLOAM	20.0
SUB-13	SILTYCLAY	80.0
SUB-131	SILTLOAM	80.1
SUB-131	SILTYCLAY	19.9
SUB-133	SILTLOAM	91.1
SUB-133	SILTYCLAY	8.9
SUB-135	SILTLOAM	26.0
SUB-135	SILTYCLAY	74.0
SUB-137	SILTLOAM	100.0
SUB-139	SILTLOAM	89.6
SUB-139	SILTYCLAY	10.4
SUB-141	SILTLOAM	16.3
SUB-141	SILTYCLAY	83.7
SUB-143	SILTYCLAY	100.0
SUB-145	SILTLOAM	23.1

SUB-145	SILTYCLAY	76.9
SUB-147	SILTYCLAY	99.4
SUB-147	WATER	0.6
SUB-149	SILTYCLAY	100.0
SUB-15	SILTLOAM	97.9
SUB-15	SILTYCLAY	0.0
SUB-15	WATER	2.0
SUB-151	CLAY	10.0
SUB-151	SILTYCLAY	14.0
SUB-151	SILTLOAM	76.0
SUB-153	SILTLOAM	100.0
SUB-155	SILTLOAM	100.0
SUB-157	SILTYCLAY	30.5
SUB-157	SILTLOAM	69.5
SUB-159	SILTYCLAY	100.0
SUB-161	SILTLOAM	15.1
SUB-161	SILTYCLAY	84.9
SUB-163	SILTLOAM	80.2
SUB-163	SILTYCLAY	19.8
SUB-165	SILTLOAM	70.3
SUB-165	SILTYCLAY	29.7
SUB-167	SILTLOAM	7.6
SUB-167	SILTYCLAY	92.4
SUB-169	SILTYCLAY	100.0
SUB-17	SILTLOAM	94.1
SUB-17	SILTYCLAY	5.9
SUB-171	SILTYCLAY	99.5
SUB-171	SILTLOAM	0.5
SUB-173	SILTYCLAY	100.0
SUB-175	SILTYCLAY	100.0
SUB-177	SILTLOAM	77.1
SUB-177	SILTYCLAY	22.9
SUB-179	SILTLOAM	54.7
SUB-179	SILTYCLAY	45.3
SUB-181	SILTLOAM	100.0
SUB-183	SILTLOAM	81.0
SUB-183	SILTYCLAY	19.0
SUB-185	SILTLOAM	86.6
SUB-185	SILTYCLAY	13.4
SUB-187	SILTLOAM	100.0
SUB-189	SILTLOAM	100.0
SUB-19	SILTLOAM	77.9
SUB-19	SILTYCLAY	22.1
SUB-191	SILTLOAM	95.9
SUB-191	SILTYCLAY	4.1
SUB-193	SILTLOAM	98.7
SUB-193	SILTYCLAY	1.3

SUB-195	SILTLOAM	100.0
SUB-197	SILTLOAM	100.0
SUB-199	SILTLOAM	100.0
SUB-201	SILTLOAM	100.0
SUB-203	SILTLOAM	100.0
SUB-205	SILTYCLAY	59.1
SUB-205	SILTLOAM	22.4
SUB-205	WATER	18.5
SUB-207	SILTYCLAY	37.4
SUB-207	SILTLOAM	62.6
SUB-209	SILTYCLAY	72.0
SUB-209	SILTLOAM	28.0
SUB-21	SILTYCLAY	100.0
SUB-211	SILTYCLAY	11.1
SUB-211	SILTLOAM	88.9
SUB-213	SILTYCLAY	65.0
SUB-213	SILTLOAM	35.0
SUB-215	SILTLOAM	50.7
SUB-215	SILTYCLAY	49.3
SUB-217	SILTLOAM	51.2
SUB-217	SILTYCLAY	48.8
SUB-219	SILTLOAM	59.1
SUB-219	SILTYCLAY	40.9
SUB-221	SILTLOAM	100.0
SUB-223	SILTLOAM	100.0
SUB-225	SILTLOAM	100.0
SUB-227	SILTLOAM	83.4
SUB-227	SILTYCLAY	16.6
SUB-229	SILTLOAM	48.8
SUB-229	SILTYCLAY	51.2
SUB-23	SILTYCLAY	100.0
SUB-231	SILTLOAM	97.7
SUB-231	SILTYCLAY	1.4
SUB-231	WATER	0.9
SUB-233	SILTLOAM	100.0
SUB-235	SILTLOAM	86.4
SUB-235	SILTYCLAY	13.6
SUB-237	SILTLOAM	100.0
SUB-239	SILTLOAM	96.7
SUB-239	SILTYCLAY	3.3
SUB-241	SILTYCLAY	100.0
SUB-243	SILTYCLAY	100.0
SUB-245	SILTYCLAY	100.0
SUB-247	SILTYCLAY	100.0
SUB-249	SILTLOAM	30.7
SUB-249	SILTYCLAY	69.3
SUB-25	SILTLOAM	1.5

SUB-25	SILTYCLAY	98.5
SUB-251	SILTLOAM	100.0
SUB-27	SILTYCLAY	100.0
SUB-29	SILTLOAM	54.8
SUB-29	SILTYCLAY	45.2
SUB-3	SILTLOAM	88.7
SUB-3	SILTYCLAY	11.3
SUB-31	SILTLOAM	74.2
SUB-31	SILTYCLAY	25.8
SUB-33	SILTLOAM	99.9
SUB-33	SILTYCLAY	0.1
SUB-35	SILTLOAM	100.0
SUB-37	SILTLOAM	100.0
SUB-39	SILTLOAM	99.5
SUB-39	SILTYCLAY	0.5
SUB-41	SILTLOAM	100.0
SUB-43	SILTLOAM	30.4
SUB-43	SILTYCLAY	69.6
SUB-45	SILTYCLAY	20.9
SUB-45	SILTLOAM	79.1
SUB-47	SILTYCLAY	15.0
SUB-47	CLAY	62.9
SUB-47	SILTLOAM	21.3
SUB-47	WATER	0.8
SUB-49	SILTYCLAY	18.5
SUB-49	SILTLOAM	81.5
SUB-5	SILTLOAM	99.0
SUB-5	WATER	1.0
SUB-51	SILTLOAM	75.4
SUB-51	SILTYCLAY	24.6
SUB-53	SILTYCLAY	79.0
SUB-53	SILTLOAM	21.0
SUB-55	SILTYCLAY	96.5
SUB-55	SILTLOAM	3.5
SUB-57	SILTYCLAY	97.9
SUB-57	SILTLOAM	2.1
SUB-59	SILTLOAM	100.0
SUB-61	SILTLOAM	95.5
SUB-61	SILTYCLAY	4.5
SUB-63	SILTLOAM	99.5
SUB-63	SILTYCLAY	0.5
SUB-65	SILTLOAM	100.0
SUB-67	SILTYCLAY	30.3
SUB-67	SILTLOAM	69.7
SUB-69	SILTLOAM	71.4
SUB-69	SILTYCLAY	28.6
SUB-7	SILTLOAM	100.0

SUB-7	WATER	0.0
SUB-71	SILTLOAM	19.0
SUB-71	SILTYCLAY	81.0
SUB-73	SILTYCLAY	79.8
SUB-73	SILTLOAM	20.2
SUB-75	SILTYCLAY	81.3
SUB-75	SILTLOAM	18.7
SUB-77	SILTYCLAY	41.2
SUB-77	SILTLOAM	58.8
SUB-79	SILTLOAM	100.0
SUB-81	SILTLOAM	100.0
SUB-83	SILTLOAM	100.0
SUB-85	SILTLOAM	96.6
SUB-85	WATER	3.4
SUB-87	SILTLOAM	89.0
SUB-87	SILTYCLAY	11.0
SUB-89	SILTYCLAY	100.0
SUB-9	SILTLOAM	100.0
SUB-91	SILTLOAM	29.5
SUB-91	SILTYCLAY	70.5
SUB-93	SILTLOAM	93.5
SUB-93	WATER	3.2
SUB-93	SILTYCLAY	3.3
SUB-95	SILTLOAM	76.0
SUB-95	SILTYCLAY	24.0
SUB-97	SILTYCLAY	100.0
SUB-99	SILTLOAM	96.6
SUB-99	SILTYCLAY	3.4

FIGURE 3: HYDROLOGIC MODEL PARAMETER CLASSIFICATION

Landuse ID	Description	Base Pre-Calibration EPA SWMM Non-Linear Reservoir Surface Runoff Model Parameters					
		Impervious Area (%)	Pervious Area (%)	Manning's n for Impervious Area Sheet Flow	Manning's n for Pervious Area Sheet Flow	Depression Storage for Impervious Area (in)	Depression Storage for Pervious Area (in)
A-NC	Anchor - Neighborhood Crossing	50	50	0.012	0.24	0.06	0.15
A-NMS	Anchor - Neighborhood Main Street	80	20	0.012	0.24	0.06	0.15
AN-S	Anchor Neighborhood - Primarily Single-Unit	45	55	0.012	0.24	0.06	0.15
CSH	High Intensity Commercial & Services	85	15	0.012	0.24	0.06	0.15
I	Industrial	72	28	0.012	0.35	0.06	0.25
IF	Industrial Flex	82	18	0.012	0.3	0.06	0.2
CSL	Low Intensity Commercial & Services	75	25	0.012	0.24	0.06	0.15
OSN	Open Spaces & Natural Features	2	98	0.012	0.45	0.06	0.3
PR	Parks & Recreational Facilities	10	90	0.012	0.35	0.06	0.25
NM	Primarily Multifamily Neighborhood	65	35	0.012	0.24	0.06	0.15
NS	Primarily Single-Unit Neighborhood	35	65	0.012	0.24	0.06	0.15
PQP	Public & Quasi-Public Buildings & Uses	40	60	0.012	0.24	0.06	0.15
R-W	Roadway and Waterway	98	2	0.012	0.3	0.06	0.2
M-AN-S-CSL	Modified-Anchor Single Unit-Low Intensity Commercial	75	25	0.012	0.24	0.06	0.15
M-AN-S-PR	Modified-Anchor Single Unit-Parks & Recreation	10	90	0.012	0.35	0.06	0.25
M-CSH-OSN	Modified-High Intensity Commercial-Open & Natural	2	98	0.012	0.45	0.06	0.3
M-CSH-PR	Modified-High Intensity Commercial-Parks & Recreation	10	90	0.012	0.35	0.06	0.25
M-CSH-NS	Modified-High Intensity Commercial-Single Unit	35	65	0.012	0.24	0.06	0.15
M-I-OSN	Modified-Industrial-Open Spaces & Natural	2	98	0.012	0.45	0.06	0.3
M-IF-OSN	Modified-Industrial Flex-Open Spaces & Natural	2	98	0.012	0.45	0.06	0.3
M-IF-PR	Modified-Industrial Flex-Parks & Recreation	10	90	0.012	0.35	0.06	0.25
M-CSL-PR	Modified-Low Intensity Commercial-Parks & Recreation	10	90	0.012	0.35	0.06	0.25
M-CSL-NS	Modified-Low Intensity Commercial-Single Unit	35	65	0.012	0.24	0.06	0.15
M-NM-PR	Modified-Multifamily-Parks & Recreation	10	90	0.012	0.35	0.06	0.25
M-NM-NS	Modified-Multifamily-Single Unit	35	65	0.012	0.24	0.06	0.15
M-NS-CSL	Modified-Single Unit-Low Intensity Commercial	75	25	0.012	0.24	0.06	0.15
M-NS-OSN	Modified-Single Unit-Open & Natural	2	98	0.012	0.45	0.06	0.3

Soil Texture ID	Base Pre-Calibration Soil Infiltration Parameters		
	Green-Ampt Suction Head (in)	Green-Ampt Hydraulic Conductivity (in/hr)	Green-Ampt Initial Moisture Deficit
CLAY	12.450	0.010	0.097
SILT LOAM	6.570	0.260	0.217
SILTY CLAY	11.500	0.020	0.108
WATER	5.000	0.001	0.100

FIGURE 4: BASE PRE-CALIBRATION SUBCATCHMENT HYDROLOGIC MODEL PARAMETERS

[BASE]	Subcatchment ID (Char)	Raingage ID (Char)	Receiving Node ID (Char)	Subcatchment Area (ac)	Subcatch. Imperviousness(%) (Double)	Subcatchment Width (ft)	Subcatchment Slope (Double)	Manning's N for Imperv. Portion (Double)	Manning's N for Pervious Portion (Double)	Depression Stor. for Imp. Portion (in)	Depression Stor. for Perv. Portion (in)	Runoff Routing Destination (Int)	Infiltration Model (Int)
	SUB-101	100_YEAR	259	18.921	70.606	104.913	4.576	0.013	0.269	0.06	0.173	0: Outlet	3: Green Ampt
	SUB-103	100_YEAR	417	26.6	33.082	152.413	6.964	0.013	0.347	0.06	0.23	0: Outlet	3: Green Ampt
	SUB-105	100_YEAR	251	25.183	69.854	439.559	5.673	0.013	0.287	0.06	0.188	0: Outlet	3: Green Ampt
	SUB-107	100_YEAR	7780	21.17	56.99	422.019	6.928	0.013	0.349	0.06	0.24	0: Outlet	3: Green Ampt
	SUB-109	100_YEAR	280	26.051	74.723	297.067	4.277	0.013	0.259	0.06	0.166	0: Outlet	3: Green Ampt
	SUB-11	100_YEAR	5517	46.402	37.548	725.951	4.543	0.013	0.385	0.06	0.257	0: Outlet	3: Green Ampt
	SUB-111	100_YEAR	15102	17.551	42.462	306.575	2.241	0.013	0.383	0.06	0.256	0: Outlet	3: Green Ampt
	SUB-113	100_YEAR	14273	29.466	28.314	318.456	7.003	0.013	0.351	0.06	0.23	0: Outlet	3: Green Ampt
	SUB-115	100_YEAR	10262	18.827	36.256	438.261	4.53	0.013	0.308	0.06	0.2	0: Outlet	3: Green Ampt
	SUB-117	100_YEAR	343	15.017	54.812	110.426	1.076	0.013	0.372	0.06	0.255	0: Outlet	3: Green Ampt
	SUB-119	100_YEAR	11205	79.86	72.342	356.124	1.928	0.013	0.349	0.06	0.249	0: Outlet	3: Green Ampt
	SUB-121	100_YEAR	10625	42.399	62.502	327.811	5.489	0.013	0.313	0.06	0.215	0: Outlet	3: Green Ampt
	SUB-123	100_YEAR	380	19.585	48.467	203.065	6.558	0.013	0.251	0.06	0.159	0: Outlet	3: Green Ampt
	SUB-125	100_YEAR	8876	31.682	76.846	114.993	2.862	0.013	0.302	0.06	0.202	0: Outlet	3: Green Ampt
	SUB-127	100_YEAR	10848	36.863	20.19	382.633	9.738	0.013	0.392	0.06	0.26	0: Outlet	3: Green Ampt
	SUB-129	100_YEAR	109	25.497	5.941	104.954	5.106	0.013	0.427	0.06	0.284	0: Outlet	3: Green Ampt
	SUB-13	100_YEAR	7903	32.768	80.015	104.322	2.944	0.013	0.319	0.06	0.219	0: Outlet	3: Green Ampt
	SUB-131	100_YEAR	100	22.626	49.543	401.102	6.43	0.013	0.252	0.06	0.16	0: Outlet	3: Green Ampt
	SUB-133	100_YEAR	114	26.942	48.324	405.743	6.909	0.013	0.273	0.06	0.179	0: Outlet	3: Green Ampt
	SUB-135	100_YEAR	195A	7.712	88.972	61.307	2.263	0.013	0.304	0.06	0.204	0: Outlet	3: Green Ampt
	SUB-137	100_YEAR	11109	80.802	60.691	140.275	4.44	0.013	0.284	0.06	0.185	0: Outlet	3: Green Ampt
	SUB-139	100_YEAR	11118	157.503	26.67	264.486	4.885	0.013	0.404	0.06	0.269	0: Outlet	3: Green Ampt
	SUB-141	100_YEAR	119	18.591	51.267	36.334	4.251	0.013	0.256	0.06	0.163	0: Outlet	3: Green Ampt
	SUB-143	100_YEAR	14662	23.885	44.246	146.431	6.263	0.013	0.245	0.06	0.154	0: Outlet	3: Green Ampt
	SUB-145	100_YEAR	187	8.115	50.972	212.231	8.66	0.013	0.255	0.06	0.163	0: Outlet	3: Green Ampt
	SUB-147	100_YEAR	544	28.375	82.035	411.67	4.183	0.013	0.3	0.06	0.2	0: Outlet	3: Green Ampt
	SUB-149	100_YEAR	542	5.687	82.041	152.567	1.94	0.013	0.3	0.06	0.2	0: Outlet	3: Green Ampt
	SUB-15	100_YEAR	406	83.56	61.474	413.628	5.245	0.013	0.293	0.06	0.196	0: Outlet	3: Green Ampt
	SUB-151	100_YEAR	11264	29.063	21.848	231.685	6.149	0.013	0.419	0.06	0.281	0: Outlet	3: Green Ampt
	SUB-153	100_YEAR	433	7.645	74.263	174.53	5.282	0.013	0.248	0.06	0.098	0: Outlet	3: Green Ampt
	SUB-155	100_YEAR	435	21.301	85.232	354.376	5.466	0.013	0.258	0.06	0.111	0: Outlet	3: Green Ampt
	SUB-157	100_YEAR	470	12.667	82.538	839.178	3.478	0.013	0.286	0.06	0.101	0: Outlet	3: Green Ampt
	SUB-159	100_YEAR	471A	9.556	56.217	160.6	4.993	0.013	0.255	0.06	0.162	0: Outlet	3: Green Ampt
	SUB-161	100_YEAR	463	5.677	51.08	138.605	4.85	0.013	0.256	0.06	0.163	0: Outlet	3: Green Ampt
	SUB-163	100_YEAR	454	7.658	55.537	289.194	3.871	0.013	0.255	0.06	0.163	0: Outlet	3: Green Ampt
	SUB-165	100_YEAR	10512	15.581	62.21	105.252	4.49	0.013	0.321	0.06	0.224	0: Outlet	3: Green Ampt
	SUB-167	100_YEAR	387A	9.101	91.86	232	1.943	0.013	0.262	0.06	0.096	0: Outlet	3: Green Ampt
	SUB-169	100_YEAR	10131	13.279	47.013	92.62	4.324	0.013	0.252	0.06	0.16	0: Outlet	3: Green Ampt
	SUB-17	100_YEAR	296	27.184	48.891	48.992	7.162	0.013	0.251	0.06	0.159	0: Outlet	3: Green Ampt
	SUB-171	100_YEAR	16769	15.256	49.401	48.301	3.959	0.013	0.254	0.06	0.162	0: Outlet	3: Green Ampt
	SUB-173	100_YEAR	311	11.739	52.685	84.478	4.715	0.013	0.257	0.06	0.164	0: Outlet	3: Green Ampt
	SUB-175	100_YEAR	218	6.606	61.075	21.074	3.255	0.013	0.29	0.06	0.193	0: Outlet	3: Green Ampt
	SUB-177	100_YEAR	216	9.756	7.919	47.871	5.52	0.013	0.423	0.06	0.281	0: Outlet	3: Green Ampt

	SUB-179	100_YEAR	213	7.355	54.255	327.491	4.399	0.013	0.259	0.06	0.166	0: Outlet	3: Green Ampt
	SUB-181	100_YEAR	107	6.14	65.095	133.643	5.606	0.013	0.268	0.06	0.174	0: Outlet	3: Green Ampt
	SUB-183	100_YEAR	103	11.7	52.33	193.192	6.262	0.013	0.256	0.06	0.164	0: Outlet	3: Green Ampt
	SUB-185	100_YEAR	110	14.358	52.807	283.007	6.77	0.013	0.257	0.06	0.164	0: Outlet	3: Green Ampt
	SUB-187	100_YEAR	118	11.024	46.677	185.261	8.884	0.013	0.25	0.06	0.158	0: Outlet	3: Green Ampt
	SUB-189	100_YEAR	253	20.308	42.33	336.162	5.101	0.013	0.247	0.06	0.156	0: Outlet	3: Green Ampt
	SUB-19	100_YEAR	183	13.972	49.819	60.123	6.649	0.013	0.254	0.06	0.162	0: Outlet	3: Green Ampt
	SUB-191	100_YEAR	9044	13.337	35.484	388.506	9.587	0.013	0.301	0.06	0.197	0: Outlet	3: Green Ampt
	SUB-193	100_YEAR	8286	7.091	84.987	311.927	9.111	0.013	0.254	0.06	0.161	0: Outlet	3: Green Ampt
	SUB-195	100_YEAR	359	10.893	43.402	234.148	6.276	0.013	0.248	0.06	0.157	0: Outlet	3: Green Ampt
	SUB-197	100_YEAR	328	15.29	45.114	281.145	7.622	0.013	0.25	0.06	0.158	0: Outlet	3: Green Ampt
	SUB-199	100_YEAR	325	5.29	53.94	94.44	4.895	0.013	0.258	0.06	0.165	0: Outlet	3: Green Ampt
	SUB-201	100_YEAR	9584	9.875	35.376	199.114	4.082	0.013	0.257	0.06	0.162	0: Outlet	3: Green Ampt
	SUB-203	100_YEAR	321	3.072	49.273	149.698	5.727	0.013	0.249	0.06	0.158	0: Outlet	3: Green Ampt
	SUB-205	100_YEAR	282	8.383	80.998	282.31	4.904	0.013	0.262	0.06	0.168	0: Outlet	3: Green Ampt
	SUB-207	100_YEAR	16517	9.448	31.128	281.659	8.719	0.013	0.388	0.06	0.258	0: Outlet	3: Green Ampt
	SUB-209	100_YEAR	285	12.488	68.153	168.957	1.859	0.013	0.331	0.06	0.221	0: Outlet	3: Green Ampt
	SUB-21	100_YEAR	619	30.246	45.566	168.537	3.772	0.013	0.246	0.06	0.155	0: Outlet	3: Green Ampt
	SUB-211	100_YEAR	269	14.061	68.863	193.731	4.992	0.013	0.255	0.06	0.163	0: Outlet	3: Green Ampt
	SUB-213	100_YEAR	12330	12.675	59.204	365.357	5.491	0.013	0.297	0.06	0.2	0: Outlet	3: Green Ampt
	SUB-215	100_YEAR	9689	19.277	52.057	38.709	3.769	0.013	0.258	0.06	0.165	0: Outlet	3: Green Ampt
	SUB-217	100_YEAR	139A	21.984	51.303	79.599	4.748	0.013	0.257	0.06	0.164	0: Outlet	3: Green Ampt
	SUB-219	100_YEAR	130	9.253	50.748	208.724	4.041	0.013	0.252	0.06	0.16	0: Outlet	3: Green Ampt
	SUB-221	100_YEAR	240	22.107	79.285	223.338	3.38	0.013	0.299	0.06	0.199	0: Outlet	3: Green Ampt
	SUB-223	100_YEAR	667	20.763	81.056	74.56	4.479	0.013	0.293	0.06	0.194	0: Outlet	3: Green Ampt
	SUB-225	100_YEAR	377	9.915	37.106	29.054	6.98	0.013	0.242	0.06	0.152	0: Outlet	3: Green Ampt
	SUB-227	100_YEAR	669	19.819	29.519	95.629	3.779	0.013	0.341	0.06	0.241	0: Outlet	3: Green Ampt
	SUB-229	100_YEAR	15971	9.473	82	189.634	6.773	0.013	0.3	0.06	0.2	0: Outlet	3: Green Ampt
	SUB-23	100_YEAR	15873	11.227	39.644	224.132	7.021	0.013	0.244	0.06	0.154	0: Outlet	3: Green Ampt
	SUB-231	100_YEAR	15637	12.559	12.737	53.362	2.397	0.013	0.433	0.06	0.289	0: Outlet	3: Green Ampt
	SUB-233	100_YEAR	626	21.638	46.293	68.022	6.381	0.013	0.25	0.06	0.158	0: Outlet	3: Green Ampt
	SUB-235	100_YEAR	299	14.28	55.387	107.014	3.952	0.013	0.252	0.06	0.16	0: Outlet	3: Green Ampt
	SUB-237	100_YEAR	205	8.318	43.92	248.227	6.546	0.013	0.247	0.06	0.156	0: Outlet	3: Green Ampt
	SUB-239	100_YEAR	179	14.672	38.153	67.202	7.597	0.013	0.243	0.06	0.153	0: Outlet	3: Green Ampt
	SUB-241	100_YEAR	602	7.731	43.763	40.391	6.118	0.013	0.248	0.06	0.157	0: Outlet	3: Green Ampt
	SUB-243	100_YEAR	597	11.369	41.146	194.806	6.621	0.013	0.246	0.06	0.155	0: Outlet	3: Green Ampt
	SUB-245	100_YEAR	13609	22.38	56.991	132.803	4.732	0.013	0.25	0.06	0.159	0: Outlet	3: Green Ampt
	SUB-247	100_YEAR	13931	9.826	46.101	172.782	5.289	0.013	0.251	0.06	0.159	0: Outlet	3: Green Ampt
	SUB-249	100_YEAR	575	10.398	69.345	63.194	1.465	0.013	0.261	0.06	0.168	0: Outlet	3: Green Ampt
	SUB-25	100_YEAR	606	9.623	46.711	314.307	5.739	0.013	0.251	0.06	0.159	0: Outlet	3: Green Ampt
	SUB-251	100_YEAR	501	14.242	33.288	321.518	1.308	0.013	0.371	0.06	0.252	0: Outlet	3: Green Ampt
	SUB-27	100_YEAR	616	13.162	43.838	62.034	5.775	0.013	0.248	0.06	0.157	0: Outlet	3: Green Ampt
	SUB-29	100_YEAR	14871	10.303	36.641	288.536	8.623	0.013	0.242	0.06	0.151	0: Outlet	3: Green Ampt
	SUB-3	100_YEAR	8033	42.279	16.24	517.088	1.59	0.013	0.429	0.06	0.288	0: Outlet	3: Green Ampt
	SUB-31	100_YEAR	14774	26.583	41.828	157.82	5.557	0.013	0.246	0.06	0.155	0: Outlet	3: Green Ampt
	SUB-33	100_YEAR	13206	15.453	77.026	101.32	2.946	0.013	0.304	0.06	0.204	0: Outlet	3: Green Ampt
	SUB-35	100_YEAR	7126	44.164	7.562	249.658	3.499	0.013	0.44	0.06	0.293	0: Outlet	3: Green Ampt

	SUB-37	100_YEAR	5792	30.622	20.754	175.017	2.235	0.013	0.415	0.06	0.277	0: Outlet	3: Green Ampt
	SUB-39	100_YEAR	202	27.034	74.379	112.488	4.7	0.013	0.273	0.06	0.179	0: Outlet	3: Green Ampt
	SUB-41	100_YEAR	7454	20.264	2	313.503	7.922	0.013	0.45	0.06	0.3	0: Outlet	3: Green Ampt
	SUB-43	100_YEAR	12572	48.235	57.001	150.35	3.465	0.013	0.371	0.06	0.259	0: Outlet	3: Green Ampt
	SUB-45	100_YEAR	12581	38.964	47.196	574.845	5.794	0.013	0.37	0.06	0.25	0: Outlet	3: Green Ampt
	SUB-47	100_YEAR	347	42.22	60.071	287.764	3.442	0.013	0.366	0.06	0.256	0: Outlet	3: Green Ampt
	SUB-49	100_YEAR	11790	22.834	57.63	126.18	5.007	0.013	0.317	0.06	0.217	0: Outlet	3: Green Ampt
	SUB-5	100_YEAR	7613	2.586	2	44.848	3.546	0.013	0.45	0.06	0.3	0: Outlet	3: Green Ampt
	SUB-51	100_YEAR	460	7.659	44.396	234.682	5.068	0.013	0.276	0.06	0.177	0: Outlet	3: Green Ampt
	SUB-53	100_YEAR	473	37.087	55.506	120.084	3.003	0.013	0.251	0.06	0.16	0: Outlet	3: Green Ampt
	SUB-55	100_YEAR	521A	25.611	54.391	75.102	2.61	0.013	0.265	0.06	0.172	0: Outlet	3: Green Ampt
	SUB-57	100_YEAR	220	6.843	49.888	32.01	3.797	0.013	0.278	0.06	0.183	0: Outlet	3: Green Ampt
	SUB-59	100_YEAR	323	11.771	44.275	292.603	6.011	0.013	0.243	0.06	0.152	0: Outlet	3: Green Ampt
	SUB-61	100_YEAR	518	41.344	43.272	81.154	3.128	0.013	0.327	0.06	0.216	0: Outlet	3: Green Ampt
	SUB-63	100_YEAR	301	42.007	30.687	135.054	3.757	0.013	0.362	0.06	0.243	0: Outlet	3: Green Ampt
	SUB-65	100_YEAR	149	23.689	68.384	77.538	5.402	0.013	0.247	0.06	0.156	0: Outlet	3: Green Ampt
	SUB-67	100_YEAR	554	40.471	82.459	128.059	4.769	0.013	0.299	0.06	0.199	0: Outlet	3: Green Ampt
	SUB-69	100_YEAR	5994	24.929	82.169	392.096	7.851	0.013	0.3	0.06	0.2	0: Outlet	3: Green Ampt
	SUB-7	100_YEAR	15447	17.719	26.076	95.133	7.476	0.013	0.405	0.06	0.27	0: Outlet	3: Green Ampt
	SUB-71	100_YEAR	126	23.801	50.305	42.865	4.025	0.013	0.256	0.06	0.163	0: Outlet	3: Green Ampt
	SUB-73	100_YEAR	519	58.619	34.136	416.727	4.282	0.013	0.293	0.06	0.198	0: Outlet	3: Green Ampt
	SUB-75	100_YEAR	479	29.1	37.679	182.438	4.533	0.013	0.28	0.06	0.184	0: Outlet	3: Green Ampt
	SUB-77	100_YEAR	12275	20.677	77.051	394.207	5.721	0.013	0.279	0.06	0.182	0: Outlet	3: Green Ampt
	SUB-79	100_YEAR	226	39.286	57.131	421.501	4.948	0.013	0.251	0.06	0.159	0: Outlet	3: Green Ampt
	SUB-81	100_YEAR	506	25.808	67.168	153.554	1.438	0.013	0.31	0.06	0.21	0: Outlet	3: Green Ampt
	SUB-83	100_YEAR	652	11.743	26.99	220.631	1.187	0.013	0.382	0.06	0.259	0: Outlet	3: Green Ampt
	SUB-85	100_YEAR	15789	21.669	13.595	157.07	7.041	0.013	0.395	0.06	0.27	0: Outlet	3: Green Ampt
	SUB-87	100_YEAR	559	36.634	82.237	183.715	1.931	0.013	0.3	0.06	0.2	0: Outlet	3: Green Ampt
	SUB-89	100_YEAR	568	20.998	82.165	154.76	4.165	0.013	0.3	0.06	0.2	0: Outlet	3: Green Ampt
	SUB-9	100_YEAR	7562	64.482	15.84	307.075	2.796	0.013	0.424	0.06	0.283	0: Outlet	3: Green Ampt
	SUB-91	100_YEAR	13032	13.05	82.901	140.765	0.968	0.013	0.3	0.06	0.2	0: Outlet	3: Green Ampt
	SUB-93	100_YEAR	15283	5.969	71.994	38.599	6.128	0.013	0.319	0.06	0.213	0: Outlet	3: Green Ampt
	SUB-95	100_YEAR	10019	95.413	16.263	164.132	4.919	0.013	0.393	0.06	0.263	0: Outlet	3: Green Ampt
	SUB-97	100_YEAR	173	32.134	82.305	106.654	0.694	0.013	0.302	0.06	0.202	0: Outlet	3: Green Ampt
	SUB-99	100_YEAR	7350	41.664	14.747	492.196	6.533	0.013	0.432	0.06	0.29	0: Outlet	3: Green Ampt

FIGURE 5: FINAL CALIBRATED SUBCATCHMENT HYDROLOGIC MODEL PARAMETERS

* NOV-CAL-FINAL *	Subcatchment ID (Char)	Raingage ID (Char)	Receiving Node ID (Char)	Subcatchment Area (ac)	Subcatch. Imperviousness(%) (Double)	Subcatchment Width (ft)	Subcatchment Slope (Double)	Manning's N for Imperv. Portion (Double)	Manning's N for Pervious Portion (Double)	Depression Stor. for Imp. Portion (in)	Depression Stor. for Perv. Portion (in)	Runoff Routing Destination (Int)	Infiltration Model (Int)
	SUB-101	RAIN_EM28453_NOV_2015	259	18.921	26.548	70.488	3.256	0.013	0.269	0.058	2.485	0: Outlet	3: Green Ampt
	SUB-103	RAIN_EM28453_NOV_2015	417	26.6	12.452	102.403	4.956	0.013	0.347	0.058	3.304	0: Outlet	3: Green Ampt
	SUB-105	RAIN_EM28453_NOV_2015	251	25.183	26.294	295.327	4.037	0.013	0.287	0.058	2.7	0: Outlet	3: Green Ampt
	SUB-107	RAIN_EM28453_NOV_2015	7780	21.17	21.452	283.543	4.93	0.013	0.349	0.058	3.447	0: Outlet	3: Green Ampt
	SUB-109	RAIN_EM28453_NOV_2015	280	26.051	28.127	199.591	3.043	0.013	0.259	0.058	2.384	0: Outlet	3: Green Ampt
	SUB-11	RAIN_EM28454_NOV_2015	5517	46.402	9.228	838.331	1.197	0.013	0.385	0.659	3.226	0: Outlet	3: Green Ampt
	SUB-111	RAIN_EM28453_NOV_2015	15102	17.551	15.984	205.98	1.595	0.013	0.383	0.058	3.677	0: Outlet	3: Green Ampt
	SUB-113	RAIN_EM28453_NOV_2015	14273	29.466	10.658	213.961	4.983	0.013	0.351	0.058	3.304	0: Outlet	3: Green Ampt
	SUB-115	RAIN_EM28453_NOV_2015	10262	18.827	13.648	294.456	3.224	0.013	0.308	0.058	2.873	0: Outlet	3: Green Ampt
	SUB-117	RAIN_EM28453_NOV_2015	343	15.017	20.633	74.192	0.766	0.013	0.372	0.058	3.663	0: Outlet	3: Green Ampt
	SUB-119	RAIN_EM28453_NOV_2015	11205	79.86	27.232	239.27	1.372	0.013	0.349	0.058	3.577	0: Outlet	3: Green Ampt
	SUB-121	RAIN_EM28453_NOV_2015	10625	42.399	23.527	220.247	3.906	0.013	0.313	0.058	3.088	0: Outlet	3: Green Ampt
	SUB-123	RAIN_EM28453_NOV_2015	380	19.585	18.245	136.434	4.667	0.013	0.251	0.058	2.284	0: Outlet	3: Green Ampt
	SUB-125	RAIN_EM28454_NOV_2015	8876	31.682	18.887	132.804	0.754	0.013	0.302	0.659	2.536	0: Outlet	3: Green Ampt
	SUB-127	RAIN_EM28454_NOV_2015	10848	36.863	4.963	441.861	2.566	0.013	0.392	0.659	3.264	0: Outlet	3: Green Ampt
	SUB-129	RAIN_EM28453_NOV_2015	109	25.497	2.237	70.516	3.634	0.013	0.427	0.058	4.079	0: Outlet	3: Green Ampt
	SUB-13	RAIN_EM28454_NOV_2015	7903	32.768	19.665	120.467	0.776	0.013	0.319	0.659	2.749	0: Outlet	3: Green Ampt
	SUB-131	RAIN_EM28453_NOV_2015	100	22.626	18.649	269.489	4.576	0.013	0.252	0.058	2.298	0: Outlet	3: Green Ampt
	SUB-133	RAIN_EM28453_NOV_2015	114	26.942	18.19	272.608	4.917	0.013	0.273	0.058	2.571	0: Outlet	3: Green Ampt
	SUB-135	RAIN_EM28454_NOV_2015	195A	7.712	21.866	70.802	0.597	0.013	0.304	0.659	2.561	0: Outlet	3: Green Ampt
	SUB-137	RAIN_EM28454_NOV_2015	11109	80.802	14.916	161.984	1.17	0.013	0.284	0.659	2.323	0: Outlet	3: Green Ampt
	SUB-139	RAIN_EM28454_NOV_2015	11118	157.503	6.555	305.424	1.288	0.013	0.404	0.659	3.377	0: Outlet	3: Green Ampt
	SUB-141	RAIN_EM28454_NOV_2015	119	18.591	12.6	41.948	1.12	0.013	0.256	0.659	2.046	0: Outlet	3: Green Ampt
	SUB-143	RAIN_EM28454_NOV_2015	14662	23.885	10.875	169.103	1.65	0.013	0.245	0.659	1.933	0: Outlet	3: Green Ampt
	SUB-145	RAIN_EM28454_NOV_2015	187	8.115	12.527	245.081	2.282	0.013	0.255	0.659	2.046	0: Outlet	3: Green Ampt
	SUB-147	RAIN_EM28454_NOV_2015	544	28.375	20.162	475.398	1.102	0.013	0.3	0.659	2.511	0: Outlet	3: Green Ampt
	SUB-149	RAIN_EM28454_NOV_2015	542	5.687	20.163	176.18	0.511	0.013	0.3	0.659	2.511	0: Outlet	3: Green Ampt
	SUB-15	RAIN_EM28454_NOV_2015	406	83.56	15.108	477.656	1.382	0.013	0.293	0.659	2.461	0: Outlet	3: Green Ampt
	SUB-151	RAIN_EM28453_NOV_2015	11264	29.063	8.224	155.663	4.376	0.013	0.419	0.058	4.036	0: Outlet	3: Green Ampt
	SUB-153	RAIN_EM28453_NOV_2015	433	7.645	27.954	117.26	3.759	0.013	0.248	0.058	1.414	0: Outlet	3: Green Ampt
	SUB-155	RAIN_EM28453_NOV_2015	435	21.301	32.083	238.092	3.889	0.013	0.258	0.058	1.594	0: Outlet	3: Green Ampt
	SUB-157	RAIN_EM28453_NOV_2015	470	12.667	31.069	563.812	2.475	0.013	0.286	0.058	1.448	0: Outlet	3: Green Ampt
	SUB-159	RAIN_EM28453_NOV_2015	471A	9.556	21.161	107.902	3.553	0.013	0.255	0.058	2.327	0: Outlet	3: Green Ampt
	SUB-161	RAIN_EM28453_NOV_2015	463	5.677	19.228	93.125	3.452	0.013	0.256	0.058	2.341	0: Outlet	3: Green Ampt
	SUB-163	RAIN_EM28453_NOV_2015	454	7.658	20.905	194.301	2.755	0.013	0.255	0.058	2.341	0: Outlet	3: Green Ampt
	SUB-165	RAIN_EM28453_NOV_2015	10512	15.581	23.418	70.715	3.195	0.013	0.321	0.058	3.218	0: Outlet	3: Green Ampt
	SUB-167	RAIN_EM28453_NOV_2015	387A	9.101	34.578	155.872	1.382	0.013	0.262	0.058	1.379	0: Outlet	3: Green Ampt
	SUB-169	RAIN_EM28453_NOV_2015	10131	13.279	17.696	62.229	3.077	0.013	0.252	0.058	2.298	0: Outlet	3: Green Ampt
	SUB-17	RAIN_EM28454_NOV_2015	296	27.184	12.016	56.585	1.888	0.013	0.251	0.659	1.996	0: Outlet	3: Green Ampt
	SUB-171	RAIN_EM28453_NOV_2015	16769	15.256	18.595	32.452	2.818	0.013	0.254	0.058	2.327	0: Outlet	3: Green Ampt
	SUB-173	RAIN_EM28453_NOV_2015	311	11.739	19.831	56.758	3.355	0.013	0.257	0.058	2.356	0: Outlet	3: Green Ampt
	SUB-175	RAIN_EM28453_NOV_2015	218	6.606	22.99	14.16	2.316	0.013	0.29	0.058	2.772	0: Outlet	3: Green Ampt

	SUB-177	RAIN_EM28453_NOV_2015	216	9.756	2.981	32.164	3.928	0.013	0.423	0.058	4.036	0: Outlet	3: Green Ampt
	SUB-179	RAIN_EM28453_NOV_2015	213	7.355	20.423	220.033	3.13	0.013	0.259	0.058	2.384	0: Outlet	3: Green Ampt
	SUB-181	RAIN_EM28453_NOV_2015	107	6.14	24.503	89.792	3.989	0.013	0.268	0.058	2.499	0: Outlet	3: Green Ampt
	SUB-183	RAIN_EM28453_NOV_2015	103	11.7	19.698	129.801	4.457	0.013	0.256	0.058	2.356	0: Outlet	3: Green Ampt
	SUB-185	RAIN_EM28453_NOV_2015	110	14.358	19.878	190.145	4.817	0.013	0.257	0.058	2.356	0: Outlet	3: Green Ampt
	SUB-187	RAIN_EM28453_NOV_2015	118	11.024	17.57	124.472	6.323	0.013	0.25	0.058	2.27	0: Outlet	3: Green Ampt
	SUB-189	RAIN_EM28453_NOV_2015	253	20.308	15.934	225.858	3.63	0.013	0.247	0.058	2.241	0: Outlet	3: Green Ampt
	SUB-19	RAIN_EM28454_NOV_2015	183	13.972	12.244	69.426	1.752	0.013	0.254	0.659	2.034	0: Outlet	3: Green Ampt
	SUB-191	RAIN_EM28453_NOV_2015	9044	13.337	13.357	261.026	6.823	0.013	0.301	0.058	2.83	0: Outlet	3: Green Ampt
	SUB-193	RAIN_EM28453_NOV_2015	8286	7.091	31.991	209.575	6.483	0.013	0.254	0.058	2.313	0: Outlet	3: Green Ampt
	SUB-195	RAIN_EM28453_NOV_2015	359	10.893	16.338	157.318	4.467	0.013	0.248	0.058	2.255	0: Outlet	3: Green Ampt
	SUB-197	RAIN_EM28453_NOV_2015	328	15.29	16.981	188.893	5.425	0.013	0.25	0.058	2.27	0: Outlet	3: Green Ampt
	SUB-199	RAIN_EM28453_NOV_2015	325	5.29	20.304	63.452	3.484	0.013	0.258	0.058	2.37	0: Outlet	3: Green Ampt
	SUB-201	RAIN_EM28453_NOV_2015	9584	9.875	13.316	133.779	2.905	0.013	0.257	0.058	2.327	0: Outlet	3: Green Ampt
	SUB-203	RAIN_EM28453_NOV_2015	321	3.072	18.547	100.578	4.075	0.013	0.249	0.058	2.27	0: Outlet	3: Green Ampt
	SUB-205	RAIN_EM28453_NOV_2015	282	8.383	30.49	189.677	3.49	0.013	0.262	0.058	2.413	0: Outlet	3: Green Ampt
	SUB-207	RAIN_EM28453_NOV_2015	16517	9.448	11.717	189.239	6.205	0.013	0.388	0.058	3.706	0: Outlet	3: Green Ampt
	SUB-209	RAIN_EM28453_NOV_2015	285	12.488	25.655	113.518	1.322	0.013	0.331	0.058	3.174	0: Outlet	3: Green Ampt
	SUB-21	RAIN_EM28454_NOV_2015	619	30.246	11.199	194.618	0.994	0.013	0.246	0.659	1.946	0: Outlet	3: Green Ampt
	SUB-211	RAIN_EM28454_NOV_2015	269	14.061	16.925	223.724	1.316	0.013	0.255	0.659	2.046	0: Outlet	3: Green Ampt
	SUB-213	RAIN_EM28454_NOV_2015	12330	12.675	14.55	421.901	1.447	0.013	0.297	0.659	2.511	0: Outlet	3: Green Ampt
	SUB-215	RAIN_EM28454_NOV_2015	132	19.277	12.794	44.699	0.993	0.013	0.258	0.659	2.071	0: Outlet	3: Green Ampt
	SUB-217	RAIN_EM28454_NOV_2015	139A	21.984	12.609	91.928	1.251	0.013	0.257	0.659	2.059	0: Outlet	3: Green Ampt
	SUB-219	RAIN_EM28454_NOV_2015	130	9.253	12.472	241.028	1.065	0.013	0.252	0.659	2.009	0: Outlet	3: Green Ampt
	SUB-221	RAIN_EM28454_NOV_2015	240	22.107	19.486	257.901	0.891	0.013	0.299	0.659	2.498	0: Outlet	3: Green Ampt
	SUB-223	RAIN_EM28454_NOV_2015	667	20.763	19.921	86.1	1.18	0.013	0.293	0.659	2.436	0: Outlet	3: Green Ampt
	SUB-225	RAIN_EM28454_NOV_2015	377	9.915	9.12	33.558	1.84	0.013	0.242	0.659	1.908	0: Outlet	3: Green Ampt
	SUB-227	RAIN_EM28454_NOV_2015	669	19.819	7.255	110.429	0.996	0.013	0.341	0.659	3.026	0: Outlet	3: Green Ampt
	SUB-229	RAIN_EM28454_NOV_2015	15971	9.473	20.153	218.978	1.785	0.013	0.3	0.659	2.511	0: Outlet	3: Green Ampt
	SUB-23	RAIN_EM28454_NOV_2015	15873	11.227	9.743	258.825	1.85	0.013	0.244	0.659	1.933	0: Outlet	3: Green Ampt
	SUB-231	RAIN_EM28454_NOV_2015	15637	12.559	3.13	61.625	0.632	0.013	0.433	0.659	3.628	0: Outlet	3: Green Ampt
	SUB-233	RAIN_EM28454_NOV_2015	626	21.638	11.377	78.551	1.681	0.013	0.25	0.659	1.984	0: Outlet	3: Green Ampt
	SUB-235	RAIN_EM28454_NOV_2015	299	14.28	13.613	123.575	1.041	0.013	0.252	0.659	2.009	0: Outlet	3: Green Ampt
	SUB-237	RAIN_EM28454_NOV_2015	205	8.318	10.794	286.65	1.725	0.013	0.247	0.659	1.958	0: Outlet	3: Green Ampt
	SUB-239	RAIN_EM28454_NOV_2015	179	14.672	9.377	77.595	2.002	0.013	0.243	0.659	1.921	0: Outlet	3: Green Ampt
	SUB-241	RAIN_EM28454_NOV_2015	602	7.731	10.756	46.641	1.612	0.013	0.248	0.659	1.971	0: Outlet	3: Green Ampt
	SUB-243	RAIN_EM28454_NOV_2015	597	11.369	10.112	224.952	1.745	0.013	0.246	0.659	1.946	0: Outlet	3: Green Ampt
	SUB-245	RAIN_EM28454_NOV_2015	13609	22.38	14.007	153.363	1.247	0.013	0.25	0.659	1.996	0: Outlet	3: Green Ampt
	SUB-247	RAIN_EM28454_NOV_2015	13931	9.826	11.33	199.532	1.394	0.013	0.251	0.659	1.996	0: Outlet	3: Green Ampt
	SUB-249	RAIN_EM28454_NOV_2015	575	10.398	17.042	72.986	0.386	0.013	0.261	0.659	2.109	0: Outlet	3: Green Ampt
	SUB-25	RAIN_EM28454_NOV_2015	606	9.623	11.48	362.954	1.512	0.013	0.251	0.659	1.996	0: Outlet	3: Green Ampt
	SUB-251	RAIN_EM28454_NOV_2015	501	14.242	8.181	371.291	0.345	0.013	0.371	0.659	3.164	0: Outlet	3: Green Ampt
	SUB-27	RAIN_EM28454_NOV_2015	616	13.162	10.774	71.642	1.522	0.013	0.248	0.659	1.971	0: Outlet	3: Green Ampt
	SUB-29	RAIN_EM28454_NOV_2015	14871	10.303	9.005	333.197	2.272	0.013	0.242	0.659	1.896	0: Outlet	3: Green Ampt
	SUB-3	RAIN_EM28453_NOV_2015	8033	42.279	6.113	347.417	1.132	0.013	0.429	0.058	4.137	0: Outlet	3: Green Ampt
	SUB-31	RAIN_EM28454_NOV_2015	14774	26.583	10.28	182.249	1.464	0.013	0.246	0.659	1.946	0: Outlet	3: Green Ampt
	SUB-33	RAIN_EM28454_NOV_2015	13206	15.453	18.931	117.002	0.776	0.013	0.304	0.659	2.561	0: Outlet	3: Green Ampt

	SUB-35	RAIN_EM28454_NOV_2015	7126	44.164	1.859	288.309	0.922	0.013	0.44	0.659	3.678	0: Outlet	3: Green Ampt
	SUB-37	RAIN_EM28454_NOV_2015	5792	30.622	5.101	202.115	0.589	0.013	0.415	0.659	3.478	0: Outlet	3: Green Ampt
	SUB-39	RAIN_EM28454_NOV_2015	202	27.034	18.28	129.906	1.238	0.013	0.273	0.659	2.247	0: Outlet	3: Green Ampt
	SUB-41	RAIN_EM28454_NOV_2015	7454	20.264	0.491	362.03	2.088	0.013	0.45	0.659	3.766	0: Outlet	3: Green Ampt
	SUB-43	RAIN_EM28454_NOV_2015	12572	48.235	14.009	173.618	0.913	0.013	0.371	0.659	3.252	0: Outlet	3: Green Ampt
	SUB-45	RAIN_EM28454_NOV_2015	12581	38.964	11.599	663.821	1.527	0.013	0.37	0.659	3.139	0: Outlet	3: Green Ampt
	SUB-47	RAIN_EM28453_NOV_2015	347	42.22	22.612	193.341	2.449	0.013	0.366	0.058	3.677	0: Outlet	3: Green Ampt
	SUB-49	RAIN_EM28453_NOV_2015	11790	22.834	21.694	84.778	3.563	0.013	0.317	0.058	3.117	0: Outlet	3: Green Ampt
	SUB-5	RAIN_EM28454_NOV_2015	7613	2.586	0.491	51.797	0.934	0.013	0.45	0.659	3.766	0: Outlet	3: Green Ampt
	SUB-51	RAIN_EM28453_NOV_2015	460	7.659	16.711	157.677	3.607	0.013	0.276	0.058	2.542	0: Outlet	3: Green Ampt
	SUB-53	RAIN_EM28453_NOV_2015	473	37.087	20.893	80.681	2.138	0.013	0.251	0.058	2.298	0: Outlet	3: Green Ampt
	SUB-55	RAIN_EM28453_NOV_2015	521A	25.611	20.474	50.459	1.858	0.013	0.265	0.058	2.471	0: Outlet	3: Green Ampt
	SUB-57	RAIN_EM28453_NOV_2015	220	6.843	18.779	21.506	2.702	0.013	0.278	0.058	2.629	0: Outlet	3: Green Ampt
	SUB-59	RAIN_EM28453_NOV_2015	323	11.771	16.667	196.591	4.278	0.013	0.243	0.058	2.183	0: Outlet	3: Green Ampt
	SUB-61	RAIN_EM28454_NOV_2015	518	41.344	10.635	93.713	0.824	0.013	0.327	0.659	2.712	0: Outlet	3: Green Ampt
	SUB-63	RAIN_EM28454_NOV_2015	301	42.007	7.542	155.957	0.99	0.013	0.362	0.659	3.051	0: Outlet	3: Green Ampt
	SUB-65	RAIN_EM28454_NOV_2015	149	23.689	16.807	89.534	1.424	0.013	0.247	0.659	1.958	0: Outlet	3: Green Ampt
	SUB-67	RAIN_EM28454_NOV_2015	554	40.471	20.265	147.882	1.257	0.013	0.299	0.659	2.498	0: Outlet	3: Green Ampt
	SUB-69	RAIN_EM28454_NOV_2015	5994	24.929	20.194	452.781	2.069	0.013	0.3	0.659	2.511	0: Outlet	3: Green Ampt
	SUB-7	RAIN_EM28454_NOV_2015	15447	17.719	6.409	109.872	1.97	0.013	0.405	0.659	3.39	0: Outlet	3: Green Ampt
	SUB-71	RAIN_EM28454_NOV_2015	126	23.801	12.363	49.497	1.06	0.013	0.256	0.659	2.046	0: Outlet	3: Green Ampt
	SUB-73	RAIN_EM28453_NOV_2015	519	58.619	12.85	279.987	3.047	0.013	0.293	0.058	2.844	0: Outlet	3: Green Ampt
	SUB-75	RAIN_EM28453_NOV_2015	479	29.1	14.183	122.575	3.226	0.013	0.28	0.058	2.643	0: Outlet	3: Green Ampt
	SUB-77	RAIN_EM28454_NOV_2015	12275	20.677	18.937	455.228	1.508	0.013	0.279	0.659	2.285	0: Outlet	3: Green Ampt
	SUB-79	RAIN_EM28454_NOV_2015	226	39.286	14.041	486.749	1.304	0.013	0.251	0.659	1.996	0: Outlet	3: Green Ampt
	SUB-81	RAIN_EM28454_NOV_2015	506	25.808	16.508	177.314	0.379	0.013	0.31	0.659	2.636	0: Outlet	3: Green Ampt
	SUB-83	RAIN_EM28454_NOV_2015	652	11.743	6.633	254.772	0.313	0.013	0.382	0.659	3.252	0: Outlet	3: Green Ampt
	SUB-85	RAIN_EM28454_NOV_2015	15789	21.669	3.342	181.377	1.855	0.013	0.395	0.659	3.39	0: Outlet	3: Green Ampt
	SUB-87	RAIN_EM28454_NOV_2015	559	36.634	20.211	212.142	0.509	0.013	0.3	0.659	2.511	0: Outlet	3: Green Ampt
	SUB-89	RAIN_EM28454_NOV_2015	568	20.998	20.193	178.71	1.098	0.013	0.3	0.659	2.511	0: Outlet	3: Green Ampt
	SUB-9	RAIN_EM28454_NOV_2015	7562	64.482	3.893	354.606	0.737	0.013	0.424	0.659	3.553	0: Outlet	3: Green Ampt
	SUB-91	RAIN_EM28454_NOV_2015	13032	13.05	20.374	162.551	0.255	0.013	0.3	0.659	2.511	0: Outlet	3: Green Ampt
	SUB-93	RAIN_EM28454_NOV_2015	15283	5.969	17.694	44.573	1.615	0.013	0.319	0.659	2.674	0: Outlet	3: Green Ampt
	SUB-95	RAIN_EM28454_NOV_2015	10019	95.413	3.997	189.536	1.297	0.013	0.393	0.659	3.302	0: Outlet	3: Green Ampt
	SUB-97	RAIN_EM28454_NOV_2015	173	32.134	20.228	123.165	0.183	0.013	0.302	0.659	2.536	0: Outlet	3: Green Ampt
	SUB-99	RAIN_EM28454_NOV_2015	7350	41.664	3.624	568.376	1.721	0.013	0.432	0.659	3.641	0: Outlet	3: Green Ampt

FIGURE 6: CALIBRATED VS. BASE SUBCATCHMENT PARAMETERS COMPARISON

Subcatchment ID	Calibrated "NOV-CAL-FINAL" Subcatchment Parameters					Calibrated Parameters over Base Parameters Multiplier					Base Pre-Calibration Subcatchment Parameters				
	Subcatch. Imperviousness (%)	Subcatchment Width (ft)	Subcatchment Slope (%)	Depression Storage for Impervious Portion (in)	Depression Storage for Pervious Portion (in)	Subcatch. Imperviousness	Subcatchment Width	Subcatchment Slope	Depression Storage for Impervious Portion	Depression Storage for Pervious Portion	Subcatch. Imperviousness (%)	Subcatchment Width (ft)	Subcatchment Slope (%)	Depression Storage for Impervious Portion (in)	Depression Storage for Pervious Portion (in)
SUB-101	26.548	70.49	3.256	0.058	2.485	0.376	0.672	0.712	0.967	14.364	70.606	104.913	4.576	0.06	0.173
SUB-103	12.452	102.40	4.956	0.058	3.304	0.376	0.672	0.712	0.967	14.365	33.082	152.413	6.964	0.06	0.23
SUB-105	26.294	295.33	4.037	0.058	2.700	0.376	0.672	0.712	0.967	14.362	69.854	439.559	5.673	0.06	0.188
SUB-107	21.452	283.54	4.930	0.058	3.447	0.376	0.672	0.712	0.967	14.363	56.99	422.019	6.928	0.06	0.24
SUB-109	28.127	199.59	3.043	0.058	2.384	0.376	0.672	0.711	0.967	14.361	74.723	297.07	4.277	0.06	0.166
SUB-11	9.228	838.33	1.197	0.659	3.226	0.246	1.155	0.263	10.983	12.553	37.548	725.95	4.543	0.06	0.257
SUB-111	15.984	205.98	1.595	0.058	3.677	0.376	0.672	0.712	0.967	14.363	42.462	306.575	2.241	0.06	0.256
SUB-113	10.658	213.96	4.983	0.058	3.304	0.376	0.672	0.712	0.967	14.365	28.314	318.46	7.003	0.06	0.23
SUB-115	13.648	294.46	3.224	0.058	2.873	0.376	0.672	0.712	0.967	14.365	36.256	438.261	4.53	0.06	0.2
SUB-117	20.633	74.19	0.766	0.058	3.663	0.376	0.672	0.712	0.967	14.365	54.812	110.426	1.076	0.06	0.255
SUB-119	27.232	239.27	1.372	0.058	3.577	0.376	0.672	0.712	0.967	14.365	72.342	356.12	1.928	0.06	0.249
SUB-121	23.527	220.25	3.906	0.058	3.088	0.376	0.672	0.712	0.967	14.363	62.502	327.811	5.489	0.06	0.215
SUB-123	18.245	136.43	4.667	0.058	2.284	0.376	0.672	0.712	0.967	14.365	48.467	203.065	6.558	0.06	0.159
SUB-125	18.887	132.80	0.754	0.659	2.536	0.246	1.155	0.263	10.983	12.554	76.846	114.993	2.862	0.06	0.202
SUB-127	4.963	441.86	2.566	0.659	3.264	0.246	1.155	0.264	10.983	12.554	20.19	382.633	9.738	0.06	0.26
SUB-129	2.237	70.52	3.634	0.058	4.079	0.377	0.672	0.712	0.967	14.363	5.941	104.954	5.106	0.06	0.284
SUB-13	19.665	120.47	0.776	0.659	2.749	0.246	1.155	0.264	10.983	12.553	80.015	104.322	2.944	0.06	0.219
SUB-131	18.649	269.49	4.576	0.058	2.298	0.376	0.672	0.712	0.967	14.363	49.543	401.10	6.43	0.06	0.16
SUB-133	18.190	272.61	4.917	0.058	2.571	0.376	0.672	0.712	0.967	14.363	48.324	405.743	6.909	0.06	0.179
SUB-135	21.866	70.80	0.597	0.659	2.561	0.246	1.155	0.264	10.983	12.554	88.972	61.307	2.263	0.06	0.204
SUB-137	14.916	161.98	1.170	0.659	2.323	0.246	1.155	0.264	10.983	12.557	60.691	140.275	4.44	0.06	0.185
SUB-139	6.555	305.42	1.288	0.659	3.377	0.246	1.155	0.264	10.983	12.554	26.67	264.486	4.885	0.06	0.269
SUB-141	12.600	41.95	1.120	0.659	2.046	0.246	1.155	0.263	10.983	12.552	51.267	36.334	4.251	0.06	0.163
SUB-143	10.875	169.10	1.650	0.659	1.933	0.246	1.155	0.263	10.983	12.552	44.246	146.431	6.263	0.06	0.154
SUB-145	12.527	245.08	2.282	0.659	2.046	0.246	1.155	0.264	10.983	12.552	50.972	212.231	8.66	0.06	0.163
SUB-147	20.162	475.40	1.102	0.659	2.511	0.246	1.155	0.263	10.983	12.555	82.035	411.67	4.183	0.06	0.2
SUB-149	20.163	176.18	0.511	0.659	2.511	0.246	1.155	0.263	10.983	12.555	82.041	152.57	1.94	0.06	0.2
SUB-15	15.108	477.66	1.382	0.659	2.461	0.246	1.155	0.263	10.983	12.556	61.474	413.628	5.245	0.06	0.196
SUB-151	8.224	155.66	4.376	0.058	4.036	0.376	0.672	0.712	0.967	14.363	21.848	231.69	6.149	0.06	0.281
SUB-153	27.954	117.26	3.759	0.058	1.414	0.376	0.672	0.712	0.967	14.429	74.263	174.53	5.282	0.06	0.098
SUB-155	32.083	238.09	3.889	0.058	1.594	0.376	0.672	0.711	0.967	14.360	85.232	354.376	5.466	0.06	0.111
SUB-157	31.069	563.81	2.475	0.058	1.448	0.376	0.672	0.712	0.967	14.337	82.538	839.178	3.478	0.06	0.101
SUB-159	21.161	107.90	3.553	0.058	2.327	0.376	0.672	0.712	0.967	14.364	56.217	160.6	4.993	0.06	0.162
SUB-161	19.228	93.13	3.452	0.058	2.341	0.376	0.672	0.712	0.967	14.362	51.08	138.605	4.85	0.06	0.163
SUB-163	20.905	194.30	2.755	0.058	2.341	0.376	0.672	0.712	0.967	14.362	55.537	289.194	3.871	0.06	0.163
SUB-165	23.418	70.72	3.195	0.058	3.218	0.376	0.672	0.712	0.967	14.366	62.21	105.252	4.49	0.06	0.224
SUB-167	34.578	155.87	1.382	0.058	1.379	0.376	0.672	0.711	0.967	14.365	91.86	232	1.943	0.06	0.096
SUB-169	17.696	62.23	3.077	0.058	2.298	0.376	0.672	0.712	0.967	14.363	47.013	92.62	4.324	0.06	0.16
SUB-17	12.016	56.59	1.888	0.659	1.996	0.246	1.155	0.264	10.983	12.553	48.891	48.992	7.162	0.06	0.159
SUB-171	18.595	32.45	2.818	0.058	2.327	0.376	0.672	0.712	0.967	14.364	49.401	48.301	3.959	0.06	0.162
SUB-173	19.831	56.76	3.355	0.058	2.356	0.376	0.672	0.712	0.967	14.366	52.685	84.478	4.715	0.06	0.164

SUB-175	22.990	14.16	2.316	0.058	2.772	0.376	0.672	0.712	0.967	14.363	61.075	21.074	3.255	0.06	0.193
SUB-177	2.981	32.16	3.928	0.058	4.036	0.376	0.672	0.712	0.967	14.363	7.919	47.871	5.52	0.06	0.281
SUB-179	20.423	220.03	3.130	0.058	2.384	0.376	0.672	0.712	0.967	14.361	54.255	327.491	4.399	0.06	0.166
SUB-181	24.503	89.79	3.989	0.058	2.499	0.376	0.672	0.712	0.967	14.362	65.095	133.643	5.606	0.06	0.174
SUB-183	19.698	129.80	4.457	0.058	2.356	0.376	0.672	0.712	0.967	14.366	52.33	193.192	6.262	0.06	0.164
SUB-185	19.878	190.15	4.817	0.058	2.356	0.376	0.672	0.712	0.967	14.366	52.807	283.007	6.77	0.06	0.164
SUB-187	17.570	124.47	6.323	0.058	2.270	0.376	0.672	0.712	0.967	14.367	46.677	185.261	8.884	0.06	0.158
SUB-189	15.934	225.86	3.630	0.058	2.241	0.376	0.672	0.712	0.967	14.365	42.33	336.162	5.101	0.06	0.156
SUB-19	12.244	69.43	1.752	0.659	2.034	0.246	1.155	0.263	10.983	12.556	49.819	60.123	6.649	0.06	0.162
SUB-191	13.357	261.03	6.823	0.058	2.830	0.376	0.672	0.712	0.967	14.365	35.484	388.506	9.587	0.06	0.197
SUB-193	31.991	209.58	6.483	0.058	2.313	0.376	0.672	0.712	0.967	14.366	84.987	311.93	9.111	0.06	0.161
SUB-195	16.338	157.32	4.467	0.058	2.255	0.376	0.672	0.712	0.967	14.363	43.402	234.148	6.276	0.06	0.157
SUB-197	16.981	188.89	5.425	0.058	2.270	0.376	0.672	0.712	0.967	14.367	45.114	281.145	7.622	0.06	0.158
SUB-199	20.304	63.45	3.484	0.058	2.370	0.376	0.672	0.712	0.967	14.364	53.94	94.44	4.895	0.06	0.165
SUB-201	13.316	133.78	2.905	0.058	2.327	0.376	0.672	0.712	0.967	14.364	35.376	199.114	4.082	0.06	0.162
SUB-203	18.547	100.58	4.075	0.058	2.270	0.376	0.672	0.712	0.967	14.367	49.273	149.698	5.727	0.06	0.158
SUB-205	30.490	189.68	3.490	0.058	2.413	0.376	0.672	0.712	0.967	14.363	80.998	282.31	4.904	0.06	0.168
SUB-207	11.717	189.24	6.205	0.058	3.706	0.376	0.672	0.712	0.967	14.364	31.128	281.66	8.719	0.06	0.258
SUB-209	25.655	113.52	1.322	0.058	3.174	0.376	0.672	0.711	0.967	14.362	68.153	168.96	1.859	0.06	0.221
SUB-21	11.199	194.62	0.994	0.659	1.946	0.246	1.155	0.264	10.983	12.555	45.566	168.54	3.772	0.06	0.155
SUB-211	16.925	223.72	1.316	0.659	2.046	0.246	1.155	0.264	10.983	12.552	68.863	193.73	4.992	0.06	0.163
SUB-213	14.550	421.90	1.447	0.659	2.511	0.246	1.155	0.264	10.983	12.555	59.204	365.357	5.491	0.06	0.2
SUB-215	12.794	44.70	0.993	0.659	2.071	0.246	1.155	0.263	10.983	12.552	52.057	38.71	3.769	0.06	0.165
SUB-217	12.609	91.93	1.251	0.659	2.059	0.246	1.155	0.263	10.983	12.555	51.303	79.60	4.748	0.06	0.164
SUB-219	12.472	241.03	1.065	0.659	2.009	0.246	1.155	0.264	10.983	12.556	50.748	208.724	4.041	0.06	0.16
SUB-221	19.486	257.90	0.891	0.659	2.498	0.246	1.155	0.264	10.983	12.553	79.285	223.34	3.38	0.06	0.199
SUB-223	19.921	86.10	1.180	0.659	2.436	0.246	1.155	0.263	10.983	12.557	81.056	74.56	4.479	0.06	0.194
SUB-225	9.12	33.558	1.84	0.659	1.908	0.246	1.155	0.264	10.983	12.553	37.106	29.054	6.98	0.06	0.152
SUB-227	7.255	110.429	0.996	0.659	3.026	0.246	1.155	0.264	10.983	12.556	29.519	95.629	3.779	0.06	0.241
SUB-229	20.153	218.978	1.785	0.659	2.511	0.246	1.155	0.264	10.983	12.555	82	189.634	6.773	0.06	0.2
SUB-23	9.743	258.825	1.85	0.659	1.933	0.246	1.155	0.263	10.983	12.552	39.644	224.132	7.021	0.06	0.154
SUB-231	3.13	61.625	0.632	0.659	3.628	0.246	1.155	0.264	10.983	12.554	12.737	53.362	2.397	0.06	0.289
SUB-233	11.377	78.551	1.681	0.659	1.984	0.246	1.155	0.263	10.983	12.557	46.293	68.022	6.381	0.06	0.158
SUB-235	13.613	123.575	1.041	0.659	2.009	0.246	1.155	0.263	10.983	12.556	55.387	107.014	3.952	0.06	0.16
SUB-237	10.794	286.65	1.725	0.659	1.958	0.246	1.155	0.264	10.983	12.551	43.92	248.227	6.546	0.06	0.156
SUB-239	9.377	77.595	2.002	0.659	1.921	0.246	1.155	0.264	10.983	12.556	38.153	67.202	7.597	0.06	0.153
SUB-241	10.756	46.641	1.612	0.659	1.971	0.246	1.155	0.263	10.983	12.554	43.763	40.391	6.118	0.06	0.157
SUB-243	10.112	224.952	1.745	0.659	1.946	0.246	1.155	0.264	10.983	12.555	41.146	194.806	6.621	0.06	0.155
SUB-245	14.007	153.363	1.247	0.659	1.996	0.246	1.155	0.264	10.983	12.553	56.991	132.803	4.732	0.06	0.159
SUB-247	11.33	199.532	1.394	0.659	1.996	0.246	1.155	0.264	10.983	12.553	46.101	172.782	5.289	0.06	0.159
SUB-249	17.042	72.986	0.386	0.659	2.109	0.246	1.155	0.263	10.983	12.554	69.345	63.194	1.465	0.06	0.168
SUB-25	11.48	362.954	1.512	0.659	1.996	0.246	1.155	0.263	10.983	12.553	46.711	314.307	5.739	0.06	0.159
SUB-251	8.181	371.291	0.345	0.659	3.164	0.246	1.155	0.264	10.983	12.556	33.288	321.518	1.308	0.06	0.252
SUB-27	10.774	71.642	1.522	0.659	1.971	0.246	1.155	0.264	10.983	12.554	43.838	62.034	5.775	0.06	0.157
SUB-29	9.005	333.197	2.272	0.659	1.896	0.246	1.155	0.263	10.983	12.556	36.641	288.536	8.623	0.06	0.151
SUB-3	6.113	347.417	1.132	0.058	4.137	0.376	0.672	0.712	0.967	14.365	16.24	517.088	1.59	0.06	0.288
SUB-31	10.28	182.249	1.464	0.659	1.946	0.246	1.155	0.263	10.983	12.555	41.828	157.82	5.557	0.06	0.155

SUB-33	18.931	117.002	0.776	0.659	2.561	0.246	1.155	0.263	10.983	12.554	77.026	101.32	2.946	0.06	0.204
SUB-35	1.859	288.309	0.922	0.659	3.678	0.246	1.155	0.264	10.983	12.553	7.562	249.658	3.499	0.06	0.293
SUB-37	5.101	202.115	0.589	0.659	3.478	0.246	1.155	0.264	10.983	12.556	20.754	175.017	2.235	0.06	0.277
SUB-39	18.28	129.906	1.238	0.659	2.247	0.246	1.155	0.263	10.983	12.553	74.379	112.488	4.7	0.06	0.179
SUB-41	0.491	362.03	2.088	0.659	3.766	0.246	1.155	0.264	10.983	12.553	2	313.503	7.922	0.06	0.3
SUB-43	14.009	173.618	0.913	0.659	3.252	0.246	1.155	0.263	10.983	12.556	57.001	150.35	3.465	0.06	0.259
SUB-45	11.599	663.821	1.527	0.659	3.139	0.246	1.155	0.264	10.983	12.556	47.196	574.845	5.794	0.06	0.25
SUB-47	22.612	193.341	2.449	0.058	3.677	0.376	0.672	0.712	0.967	14.363	60.071	287.764	3.442	0.06	0.256
SUB-49	21.694	84.778	3.563	0.058	3.117	0.376	0.672	0.712	0.967	14.364	57.63	126.18	5.007	0.06	0.217
SUB-5	0.491	51.797	0.934	0.659	3.766	0.246	1.155	0.263	10.983	12.553	2	44.848	3.546	0.06	0.3
SUB-51	16.711	157.677	3.607	0.058	2.542	0.376	0.672	0.712	0.967	14.362	44.396	234.682	5.068	0.06	0.177
SUB-53	20.893	80.681	2.138	0.058	2.298	0.376	0.672	0.712	0.967	14.363	55.506	120.084	3.003	0.06	0.16
SUB-55	20.474	50.459	1.858	0.058	2.471	0.376	0.672	0.712	0.967	14.366	54.391	75.102	2.61	0.06	0.172
SUB-57	18.779	21.506	2.702	0.058	2.629	0.376	0.672	0.712	0.967	14.366	49.888	32.01	3.797	0.06	0.183
SUB-59	16.667	196.591	4.278	0.058	2.183	0.376	0.672	0.712	0.967	14.362	44.275	292.603	6.011	0.06	0.152
SUB-61	10.635	93.713	0.824	0.659	2.712	0.246	1.155	0.263	10.983	12.556	43.272	81.154	3.128	0.06	0.216
SUB-63	7.542	155.957	0.99	0.659	3.051	0.246	1.155	0.264	10.983	12.556	30.687	135.054	3.757	0.06	0.243
SUB-65	16.807	89.534	1.424	0.659	1.958	0.246	1.155	0.264	10.983	12.551	68.384	77.538	5.402	0.06	0.156
SUB-67	20.265	147.882	1.257	0.659	2.498	0.246	1.155	0.264	10.983	12.553	82.459	128.059	4.769	0.06	0.199
SUB-69	20.194	452.781	2.069	0.659	2.511	0.246	1.155	0.264	10.983	12.555	82.169	392.096	7.851	0.06	0.2
SUB-7	6.409	109.872	1.97	0.659	3.39	0.246	1.155	0.264	10.983	12.556	26.076	95.133	7.476	0.06	0.27
SUB-71	12.363	49.497	1.06	0.659	2.046	0.246	1.155	0.263	10.983	12.552	50.305	42.865	4.025	0.06	0.163
SUB-73	12.85	279.987	3.047	0.058	2.844	0.376	0.672	0.712	0.967	14.364	34.136	416.727	4.282	0.06	0.198
SUB-75	14.183	122.575	3.226	0.058	2.643	0.376	0.672	0.712	0.967	14.364	37.679	182.438	4.533	0.06	0.184
SUB-77	18.937	455.228	1.508	0.659	2.285	0.246	1.155	0.264	10.983	12.555	77.051	394.207	5.721	0.06	0.182
SUB-79	14.041	486.749	1.304	0.659	1.996	0.246	1.155	0.264	10.983	12.553	57.131	421.501	4.948	0.06	0.159
SUB-81	16.508	177.314	0.379	0.659	2.636	0.246	1.155	0.264	10.983	12.552	67.168	153.554	1.438	0.06	0.21
SUB-83	6.633	254.772	0.313	0.659	3.252	0.246	1.155	0.264	10.983	12.556	26.99	220.631	1.187	0.06	0.259
SUB-85	3.342	181.377	1.855	0.659	3.39	0.246	1.155	0.263	10.983	12.556	13.595	157.07	7.041	0.06	0.27
SUB-87	20.211	212.142	0.509	0.659	2.511	0.246	1.155	0.264	10.983	12.555	82.237	183.715	1.931	0.06	0.2
SUB-89	20.193	178.71	1.098	0.659	2.511	0.246	1.155	0.264	10.983	12.555	82.165	154.76	4.165	0.06	0.2
SUB-9	3.893	354.606	0.737	0.659	3.553	0.246	1.155	0.264	10.983	12.555	15.84	307.075	2.796	0.06	0.283
SUB-91	20.374	162.551	0.255	0.659	2.511	0.246	1.155	0.263	10.983	12.555	82.901	140.765	0.968	0.06	0.2
SUB-93	17.694	44.573	1.615	0.659	2.674	0.246	1.155	0.264	10.983	12.554	71.994	38.599	6.128	0.06	0.213
SUB-95	3.997	189.536	1.297	0.659	3.302	0.246	1.155	0.264	10.983	12.555	16.263	164.132	4.919	0.06	0.263
SUB-97	20.228	123.165	0.183	0.659	2.536	0.246	1.155	0.264	10.983	12.554	82.305	106.654	0.694	0.06	0.202
SUB-99	3.624	568.376	1.721	0.659	3.641	0.246	1.155	0.263	10.983	12.555	14.747	492.196	6.533	0.06	0.29

FIGURE 7: CALIBRATED VS. BASE SOIL INFILTRATION PARAMETERS COMPARISON

Soil Texture ID	Calibrated "NOV-CAL-FINAL" Soil Infiltration Parameters			Calibrated Parameters over Base Parameters Multiplier			Base Pre-Calibration Soil Infiltration Parameters		
	Green-Ampt Suction Head (in)	Green-Ampt Hydraulic Conductivity (in/hr)	Green-Ampt Initial Moisture Deficit	Green-Ampt Suction Head	Green-Ampt Hydraulic Conductivity	Green-Ampt Initial Moisture Deficit	Green-Ampt Suction Head (in)	Green-Ampt Hydraulic Conductivity (in/hr)	Green-Ampt Initial Moisture Deficit
CLAY	8.425	0.029	0.271	0.677	2.900	2.794	12.450	0.010	0.097
SILT LOAM	4.446	0.759	0.606	0.677	2.919	2.793	6.570	0.260	0.217
SILTY CLAY	7.782	0.058	0.302	0.677	2.900	2.796	11.500	0.020	0.108
WATER	3.384	0.003	0.279	0.677	3.000	2.790	5.000	0.001	0.100