

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

TOWN OF CARRABASSETT VALLEY, MAINE

CONDITION OF DRAINAGE INFRASTRUCTURE

December 2018

(1) Height above estimated flood stage predicted by HydroCAD
 (2) Expected failure if culvert is overtopped
 (3) Condition level: "Blank" - No issues anticipated; "1" - Monitor;
 "2" - Replace

HIGHEST (H+)	22
HIGH (H)	10
MEDIUM (M)	88
LOW (L)	110
UNPRIORITIZED STRUCTURE (US)	294
TOTAL	524

GOOD
REQUIRES MAINTENANCE
REBUILD OR REPLACE

CULVERT INVENTORY

CULVERT NUMBER	ROAD NAME	ROAD STATION	Date Observed	CULVERT SIZE (INCHES)	CULVERT TYPE	APPROX. CULVERT LENGTH (FEET)	APPROX. CULVERT SLOPE (%)	ACTION REQUIRED 1=NONE 2=CLEAN 3=REPLACE	INLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	OUTLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	COMMENTS	HYDRO CAD MODEL	(1) HEIGHT ABOVE FLOOD ELEVATION	EXPECTED FAILURE	CONDITION	CRITICAL ROAD	PRIORITY LEVEL
1	West Mountain Rd	13+98	Oct-14	18.0	cmp	50.0	2.0	1	1	1	Recently replaced culvert.					Y	US
1P	Pond at Snowbrook		Oct-14								30' long 1' wide concrete weir	C					US
2	West Mountain Rd	16+96	Oct-14	18.0	cmp	48.0	2.5/48=5	2	2	2	Culvert more than 1/2 full of sediment.	D			1		L
2A	West Mountain Rd	See Plan	Oct-14	15.0	cmp	25.0	5.0	3	3	3	Culvert inlets and outlets crushed and failing.				2		M
2P	Pond above golf parking		Oct-14								24"X18" Grate and 2.5'x2.5' weir	F					US
3	West Mountain Rd	20+66	Oct-14	36&18	cmp	45.0	5.0	1	3	3	2 culverts. Culverts functioning correctly.	D				Y	US
4	West Mountain Rd	22+15	Oct-14	24.0	cmp	35.0	2.0	1	1	1	Culvert functioning correctly.	D				Y	US
5	West Mountain Rd	24+37	Oct-14	24.0	cmp	50.0	4.0	1	1	1	Culvert functioning correctly.	D				Y	US
6	West Mountain Rd	26+20	Oct-14	36&15	cmp	40.0	3.0	1	1	1	2 culverts. Culverts functioning correctly.	D				Y	US
7	West Mountain Rd	28+37	Oct-14	18.0	cmp	40.0	2.0	2	2	2	Culvert 1/2 full of sediment.	D			1	Y	L
8	West Mountain Rd	31+09	Oct-14	24.0	cmp	45.0	3.0	1	1	1	Culvert functioning correctly.	D				Y	US
9	West Mountain Rd	35+35	Oct-14	18.0	cmp	40.0	5.0	2	2	2	Inlet/outlet 1/2 full of sediment.	D			1	Y	L
10	West Mountain Rd	37+00	Oct-14	18.0	cmp	45.0	5.0	1	1	1	Culvert functioning correctly.	D	1.6	X		Y	H+
11	West Mountain Rd	40+45	Oct-14	24.0	cmp	45.0	3.0	2	1	1	Culvert beginning to fill with sediment.	D	1.5	X	1	Y	H+
12	West Mountain Rd	44+15	Oct-14	24.0	hdpe	40.0	2.0	1	1	1	Culvert functioning correctly.					Y	US
13	West Mountain Rd	47+00	Oct-14	24.0	hdpe	30.0	2.0	1	1	1	Culvert functioning correctly.	F					US

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14	West Mountain Rd	48+85	Oct-14	24.0	hdpe	40.0	2.0	1	1	1	Culvert functioning correctly.	F				Y	US
15	West Mountain Rd	49+80	Oct-14	36.0	cmp	40.0	1.5	1	1	1	Culvert functioning correctly.	F				Y	US
16	West Mountain Rd	51+46	Oct-14	18.0	cmp	45.0	3.0	2	2	2	Culvert 1/2 full of sediment.	F			1	Y	L
17	West Mountain Rd	52+40	Oct-14	24.0	cmp	40.0	3.0	1	2	1	Sediment collapsing around inlet.	F				Y	US
18	West Mountain Rd	53+25	Oct-14	24.0	cmp	40.0	3.0	1	1	1	Culvert functioning correctly.	F				Y	US
19	West Mountain Rd	54+40	Oct-14	24.0	cmp	45.0	4.0	1	1	1	Culvert functioning correctly.	F	1.4	X		Y	H+
21	West Mountain Rd	57+40	Oct-14	18.0	hdpe	50.0	3.0	1	1	1	Culvert functioning correctly.	F		X		Y	H+
22	West Mountain Rd	59+58	Oct-14	18.0	cmp	50.0	2.0	1	1	1	Culvert functioning correctly.	F	0.7	X		Y	H+
23	West Mountain Rd	61+05	Oct-14	18.0	hdpe	50.0	2.0	1	1	1	Culvert functioning correctly.	F		X		Y	H+
23A	West Mountain Rd	62+50	Oct-14	24.0	cmp	50.0	4.0	1	1	1	Culvert functioning correctly.	F		X		Y	H+
24	West Mountain Rd	64+32	Oct-14	24.0	cmp	50.0	2.0	1	1	1	Culvert functioning correctly.	F				Y	US
25	West Mountain Rd	66+60	Oct-14	36.0	hdpe	60.0	1.0	1	1	1	Culvert functioning correctly.	H				Y	US
27	West Mountain Rd	69+00	Oct-14	24.0	cmp	50.0	3-4	1	1	1	Culvert functioning correctly.	H	1.6	X		Y	H+
28	West Mountain Rd	70+60	Oct-14	48.0	metal	45.0	3-5	3	3	3	Significant bank erosion at inlet. Culvert 1/2 full of sediment.	H	3.8	X	2	Y	H+
29	West Mountain Rd	73+50	Oct-14	18.0	cmp	70.0	3-5	1	1	1	Culvert functioning correctly.	H				Y	US
30	West Mountain Rd	75+10	Oct-14	18.0	cmp	55.0	9.3	1	1	1	Culvert functioning correctly.	H					US

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31	West Mountain Rd	78+65	Oct-14	48.0	cmp	35.0	2.0	1	1	1	Culvert functioning correctly.	H	4	X		Y	H+
32	West Mountain Rd	See Plan	Oct-18	18.0	cmp	110.0	2.0	1	1	1	Outlet starting to rust. Extension has been added.						US
33	SW of Clubhouse	SW of Clubhouse	Oct-14	36.0	hdpe	17.0	4.0	1	1	1	New culvert. A 36 cmp in this same location has no function.	H	6.4	X			M
34	West Mountain Rd	Clubhse Pkg Lot	Oct-14	18.0	cmp	40.0	0.1	2	2	2	Culvert 1/2 full of sediment.				1		L
34A	Club House	See Plan	Oct-14	18.0	hdpe	80.0	1.0	1	1	1	Culvert functioning correctly.						US
34B	Club House	See Plan	Oct-14	18.0	hdpe	100.0	1.0	1	1	1	Culvert functioning correctly.						US
34C	Club House	See Plan	Oct-14	6.0	hdpe	40.0	1.0	1	1	1	Culvert functioning correctly.						US
34D	Club House	See Plan	Oct-14	24.0	hdpe	120.0	1.0	1	1	1	Culvert functioning correctly.	L					US
34E	Club House	See Plan	Oct-14	18.0	hdpe	15.0	1.0	1	1	1	Culvert functioning correctly.						US
35	West Mountain Rd	Clubhse Pkg Lot	Oct-14	18.0	hdpe	12.0	0.1	1	1	1	Culvert functioning correctly.						US
35A	West Mountain Rd	Clubhse Pkg Lot	Oct-14	18.0	hdpe	15.0	0.5	3	3	3	Culvert failing/crushing.				2		M
36	West Mountain Rd	S of Pkg Lot	Oct-14	48.0	cmp	20.0	2.0	1	1	1	Culvert in fair condition.	F					US
38	West Mountain Rd	12+37	Oct-14	96x120	wood box	20.0	4.0	1	1	1	Bridge allowing flow correctly.	C				Y	US
61	Village on Green	12+75 lt	Oct-14	36.0	cmp	40.0	3.0	1	1	1	Culvert functioning correctly.	F				Y	US
62	Village on Green	14+75 lt	Oct-14	24.0	hdpe	40.0	2.0	1	1	1	Culvert functioning correctly.					Y	US
63	Village on Green	16+20 lt	Oct-14	18.0	hdpe	50.0	2.0	1	1	1	Culvert functioning correctly.					Y	US

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64	Village on Green	18+00 lt	Oct-14	15.0	hdpe	40.0	2.0	1	1	1	Culvert functioning correctly.	F	0.03	X		Y	H+
65	Village on Green	19+60 lt	Oct-14	2@24	hdpe	15.0	5.0	1	1	1	Culvert functioning correctly.	F	0.6	X			M
66	Village on Green	23+40 rt	Oct-14	15.0	cmp	?	?	3	3	3	Inlet not visible.				2		M
67	Village on Green	23+40 rt	Oct-14	24.0	cmp	50.0	3.0	2	2	2	Outlet 1/2 full of sediment.	F	2.1	X	1		M
68	Village on Green	23+70 lt	Oct-14	36.0	cmp	12.0	3.0	1	1	1	Some visible rust. Culvert currently functioning correctly.	F	2.4	X			M
69	Village on Green	25+85 rt	Oct-14	24.0	hdpe	33.0	2.0	1	1	1	Culvert functioning correctly.	F	2.1	X			M
70	Village on Green	28+60	Aug-15	30 x2	cmp	35.0	1.5	1	1	1	Culvert functioning correctly.	F	1.3	X			M
71	Village on Green	32+65	Oct-14	15.0	cmp	40.0	2.5	2	2	2	Culvert 1/2 full of sediment.				1		L
71A	Village on Green	See Plan	Oct-14	15.0	cmp	20.0	2.0	1	1	1	Culvert functioning correctly.	L	0.7	X			M
72	Village on Green	34+40	Oct-14	18.0	hdpe	40.0	2.0	1	2	1	Inlet filling with sediment, small speed bump in road from culvert.						US
73	Village on Green	37+30	Oct-14	18.0	hdpe	45.0	2.0	1	1	1	Culvert functioning correctly.	K					US
74	Village on Green	38+70	Oct-14	2@48	cmp	30.0	5.0	1	1	1	Culverts functioning correctly.	F					US
75A	Village on Green Loop	See Plan	Oct-14	15.0	cmp	50.0	1.0	3	2	2	Bottom of culvert completely rusted out.				2		M
75B	Village on Green Loop	See Plan	Oct-14	15.0	hdpe	20.0	2.0	1	1	1	Culvert functioning correctly.						US
75C	Village on Green Loop	See Plan	Oct-14	15.0	cmp	20.0	1.0	2	2	2	Culvert 1/2 full of sediment.				1		L
75D	Village on Green Loop	See Plan	Oct-14	15.0	cmp	50.0	1.0	3	2	2	Bottom of culvert rusted out. Outlet not visible.				2		M

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75E	Village on Green Loop	See Plan	Oct-14	18.0	hdpe	50.0	1.0	1	1	1	Culvert functioning Correctly.						US
75F	Nice Drive	See Plan	Oct-14	24.0	hdpe	20.0	1.0	1	2	1	Inlet 1/2 full of sediment.						US
75G	Nice Drive	See Plan	Oct-14	12.0	cmp	20.0	1.0	1	1	1	Culvert functioning Correctly.						US
75H	Nice Drive	See Plan	Oct-14	12.0	cmp	10.0	3.0	2	2	2	Culvert 1/2 full of sediment.				1		L
75I	Nice Drive	See Plan	Oct-14	12.0	cmp	10.0	3.0	2	2	2	Culvert 1/2 full of sediment.				1		L
75J	Nice Drive	See Plan	Oct-14	12.0	cmp	15.0	3.0	2	2	2	Culvert 1/2 full of sediment.				1		L
75K	Nice Drive	See Plan	Oct-14	12.0	hdpe	15.0	5.0	2	2	2	Culvert 1/2 full of sediment.				1		L
75L	Nice Drive	See Plan	Oct-14	15.0	hdpe	15.0	1.0	1	2	1	Inlet filling with sediment.						US
75M	Nice Drive	See Plan	Oct-14	12.0	hdpe	15.0	1.0	2	2	2	Culvert 1/2 full of sediment.				1		L
75O	Nice Drive	See Plan	Oct-14	15.0	hdpe	20.0	1.0	1	2	1	Inlet filling with sediment.						US
75OO	Nice Drive	See Plan	Oct-14	18.0	hdpe	10.0	1.0	1	1	1	Culvert functioning Correctly.						US
75P	Nice Drive	See Plan	Oct-14	15.0	hdpe	15.0	1.0	1	1	1	Culvert functioning Correctly.						US
75PP	Nice Drive	See Plan	Aug-15	15.0	hdpe	15.0	1.0	1	1	1	Culvert functioning Correctly.						US
76	Village on Green	45+95	Aug-15	24.0	hdpe	45.0	4.4	1	1	1	Culvert functioning correctly.	G					US
77	Village on Green	49+60	Aug-15	18.0	hdpe	45.0	3-4	1	1	1	Culvert functioning correctly.	G	0.5	X		Y	H+
78	Village on Green	50+80	Aug-15	24.0	cmp	26.0	5.0	1	2	1	Inlet crushed with no stabilization.						US

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79	Village on Green	Tennis Dr	Aug-15	18.0	cmp	20.0	2.0	2	2	2	Culvert 1/2 full of sediment.				1		L
80	Village on Green	52+35	Aug-15	18.0	pvc	95.0	2.0	3	2	2	Culvert failing and 1/2 full of sediment.	G	0.3	X	2		H
81	Village on Green	55+90	Aug-15	18.0	cmp	48.0	1-2	2	2	2	Culvert 1/2 full of sediment.	E	1.4	X	1	Y	H+
82	Village on Green	56+25lt	Aug-15	24.0	hdpe	40.0	3.0	1	1	1	Culvert functioning correctly.	E					US
83	Village on Green	58+90	Aug-15	18.0	cmp	48.0	1-2	1	1	1	Culvert functioning correctly.	E				Y	US
83A	Village on Green	See Plan	Aug-15	24.0	cmp	30.0	5.0	1	1	1	Culvert functioning correctly.						US
84	Village on Green	62+10	Aug-15	24.0	hdpe	40.0	3.0	1	1	1	Culvert functioning correctly.	E				Y	US
85	Village on Green	63+50 rt	Aug-15	18.0	cmp	50.0	12.4	1	1	1	Culvert functioning correctly.	E					US
86	Village on Green	64+56	Aug-15	18.0	pvc	45.0	5.0	3	3	3	Complete loss of culvert function.	E	1.4	X	2		H
86A	Village on Green	See Plan	Aug-15	18.0	cmp	20.0	5.0	2	2	2	Culvert full of sediment. No culvert function.				1		L
89	Niblick Lane	See Plan	Aug-15	24.0	cmp	20.0	3.0	3	2	2	Bottom of culvert rusted out.	E			2		M
90	Niblick Lane	See Plan	Aug-15	15.0	cmp	15.0	5.0	2	2	2	Culvert 1/2 full of sediment.	E	1.2	X	1		M
91	Niblick Lane	See Plan	Aug-15	24.0	cmp	20.0	1.0	2	2	2	Culvert filling with sediment.	E			1		L
91A	Center Circle	See Plan	Aug-15	12.0	hdpe	15.0	10.0	2	2	2	Culvert nearly completely full of sediment.				1		L
91B	Center Circle	See Plan	Aug-15	15.0	hdpe	15.0	5.0	1	1	1	Culvert functioning correctly.						US
91C	Center Circle	See Plan	Aug-15	15.0	cmp	30.0	1.0	1	1	1	Culvert functioning correctly.						US

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91E	Niblick Lane	See Plan	Aug-15	18.0	hdpe	20.0	1.0	1	1	1	Culvert functioning correctly.						US
91F	Niblick Lane	See Plan	Aug-15	15.0	cmp	15.0	1.0	1	1	1	Culvert functioning correctly.						US
91G	Niblick Lane	See Plan	Aug-15	12.0	cmp	20.0	3.0	1	2	1	Inlet 1/2 full of sediment.						US
91H	Niblick Lane	See Plan	Aug-15	18.0	hdpe	15.0	1.0	2	2	2	No culvert function. Culvert filled with sediment.	E			1		L
93	Village on Green	path@63+50 lt	Aug-15	15.0	DI	15.0	3.0	3	2	2	Culvert significantly undersized.	E	1.5	X	2		H
94	Condo @ 63+50	13+30	Aug-15	18.0	cmp	50.0	1.0	2	2	2	Culvert filling with sediment.				1		L
101	Vill on Green Loop	10+90 - 11+90, lt	Aug-15	24.0	cmp	100.0	2.0	2	2	1	Inlet filling with debris and sediment.	G			1		L
102	Vill on Green Loop	12+45 - 13+ 18, lt	Aug-15	18.0	cmp	75.0	2.0	2	2	2	Culvert filling with sediment.	G	0.6	X	1		M
103	Vill on Green Loop	13+50	Aug-15	18.0	pvc	80.0	0.5	3	3	3	Culvert failing. 1/2 full of sediment.	G			2		M
104	Village on Green Loop	14+10 lt	Aug-15	12.0	cmp	26.0	0.5	3	2	2	Culvert badly rusted and 1/2 full of sediment.				2		M
105	Village on Green Loop	15+15 lt	Aug-15	12.0	hdpe	26.0	0.5	1	1	1	Culvert functioning correctly.						US
106	Village on Green Loop	15+75	Aug-15	12.0	hdpe	18.0	0.5	1	1	1	Culvert functioning correctly.						US
107	Village on Green Loop	16+85	Aug-15	12.0	cmp	30.0	1.0	2	2	2	Culvert 1/2 full of sediment.				1		L
108	Village on Green Loop		Aug-15	18.0	cmp	28.0	0.5				Condition Unknown.						US
109	Village on Green Loop	225'dwnspr	Aug-15	24.0	hdpe	30.0	1.0	1	1	1	Culvert functioning correctly.	G	1.4	X			M

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

TOWN OF CARRABASSETT VALLEY, MAINE

CONDITION OF DRAINAGE INFRASTRUCTURE

December 2018

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 "2" - Replace

HIGHEST (H+)	22
HIGH (H)	10
MEDIUM (M)	88
LOW (L)	110
UNPRIORITIZED STRUCTURE (US)	294
TOTAL	524

GOOD
REQUIRES MAINTENANCE
REBUILD OR REPLACE

CULVERT INVENTORY

CULVERT NUMBER	ROAD NAME	ROAD STATION	Date Observed	CULVERT SIZE (INCHES)	CULVERT TYPE	APPROX. CULVERT LENGTH (FEET)	APPROX. CULVERT SLOPE (%)	ACTION REQUIRED 1=NONE 2=CLEAN 3=REPLACE	INLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	OUTLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	COMMENTS	HYDRO CAD MODEL	(1) HEIGHT ABOVE FLOOD ELEVATION	EXPECTED FAILURE	CONDITION	CRITICAL ROAD	PRIORITY LEVEL
110	Village on Green Loop	2nd spur	Aug-15	18.0	hdpe	40.0	0.5	1	1	1	Culvert functioning correctly.	E					US
111	Condo Assoc Off Village on Green Sta 32+50	See Plan	Aug-15	15.0	cmp	20.0	1.0	3	3	3	Complete loss of culvert function.				2		M
111A	Condo Assoc Off Village on Green Sta 32+50	See Plan	Aug-15	15.0	hdpe	50.0	1.0	1	1	1	Culvert functioning correctly.						US
112	Condo Assoc Off Village on Green Sta 32+50	See Plan	Aug-15	15.0	cmp	40.0	1.0	3	3	3	Culvert collapsed, no function.				2		M
113	Condo Assoc Off Village on Green Sta 32+50	See Plan	Aug-15	15.0	hdpe	30.0	1.0	2	2	1	Inlet 1/2 full of sediment.	L	1.1	X	1		M
114	Village on Green Sta 30+50	See Plan	Oct-18	(2)24	hdpe	30.0	2.0	1	1	1							US
114A	Village on Green Sta 30+50, behind house	See Plan	Oct-18	12.0	hdpe	5.0	2.0	1	1	1	Inlet overgrown with grass.						US
115	Nice Drive	See Plan	Aug-15	15.0	hdpe	18.0	0.5	1	1	1	Culvert functioning correctly.						US
117	Nice Drive	See Plan	Aug-15	18.0	hdpe	15.0	1.0	1	1	1	Culvert functioning correctly.	F	2.1	X			M
401	Mountainside Rd	11+48	Aug-15	24.0	cmp	55.0	2.0	1	1	2	Large amount of sediment buildup at outlet.						US
402	Mountainside Rd	12+93	Aug-15	36.0	cmp	40.0	2.0	1	3	2	Sediment build up at outlet, inlet erosion occurring toward road.	C					US
403	Mountainside Rd		Aug-15	24.0	cmp	50.0	2.0				Condition Unknown.	C	0.3	X			M
405	Mountainside Rd	i=17+69 o=17+00	Aug-15	24.0	cmp	70.0	1.0	2	2	2	Culvert 1/3 full of sediment. Culvert beginning to show signs of rusting.	B			1		L
406	Mountainside Rd	20+08	Aug-15	48.0	cmp	40.0	2.0	1	1	1	Culvert functioning correctly.	B	0.6	X			M
407	Mountainside Rd	i=20+60 o=20+90	Aug-15	12.0	cmp	30.0	1.0	2	2	2	Culvert 1/2 full of sediment.				1		L

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LOW (L) 110

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408	Mountainside Rd	23+78	Aug-15	box 96 x 120	rcp	40.0	2.0	1	1	1	Ski tunnel.						US
409	Mountainside Rd	24=25	Aug-15	72.0	cmp	40.0	6.0	1	1	1	Some erosion around inlet.	B	4.7	X			M
410	Mountainside Rd	i=25+66 o=24+41	Aug-15	24.0	cmp	125.0	2.0	1	2	1	Some sediment settling at inlet.						US
411	Mountainside Rd	27+63	Aug-15	21.0	cmp	40.0	3.0	1	2	1	Inlet 1/2 full of sediment.	B					US
412	Mountainside Rd	29+34	Aug-15	2@72	cmp	40.0	8.0	1	3	1	Erosion toward road at inlet.	B	0.1	X			M
413	Mountainside Rd	i=30+52 o=29+64	Aug-15	24.0	cmp	90.0	3.0	2	2	2	Heavy amount of sediment in culvert.				1		L
414	Mountainside Rd	33+02	Aug-15	24.0	cmp	40.0	2.0	1	2	1	Some sediment settling at inlet.	A					US
415	Mountainside Rd	i=35+00 o=34+74	Aug-15	36.0	hdpe	25.0	8.0	1	1	1	Culvert functioning correctly.	A					US
416	Mountainside Rd	i=35+60 o=35+85	Aug-15	36.0	hdpe	25.0	8.0	1	1	1	Culvert functioning correctly.						US
417	Mountainside Rd	o=37+16	Aug-15	36.0	hdpe	30.0	8.0	1	1	1	Culvert functioning correctly.						US
418	Mountainside Rd	o=38+70	Aug-15	36.0	hdpe	30.0	8.0	1	1	1	Culvert functioning correctly.						US
419	Mountainside Rd	cl=40+07	Aug-15	36.0	cmp	60.0	8.0	1	3	1	Inlet damaged, repair for proper function.	A					US
420	Mountainside Rd	o=42+17	Aug-15	36.0	cmp	30.0	1.0	1	1	1	Culvert functioning correctly.					Y	US
421	Mountainside Rd	i=46+58 o=46+24	Aug-15	24.0	cmp	60.0	3.0	1	1	2	Outlet 1/2 full of sediment.	A				Y	US
421B	Mountainside Rd		Aug-15	24.0	cmp	70.0	2.0				Condition Unknown.	A	0.2	X			M
422	Mountainside Rd	i=52+84 o=53+24	Aug-15	24.0	cmp	40.0	2.0	3	1	3	Culvert rusting through. Outlet built up with sediment.	A			2		M

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CULVERT NUMBER	ROAD NAME	ROAD STATION	Date Observed	CULVERT SIZE (INCHES)	CULVERT TYPE	APPROX. CULVERT LENGTH (FEET)	APPROX. CULVERT SLOPE (%)	ACTION REQUIRED 1=NONE 2=CLEAN 3=REPLACE	INLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	OUTLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	COMMENTS	HYDRO CAD MODEL	(1) HEIGHT ABOVE FLOOD ELEVATION	EXPECTED FAILURE	CONDITION	CRITICAL ROAD	PRIORITY LEVEL
423	Mountainside Rd	i=54+07 o=53+59	Aug-15	24.0	cmp	48.0	3.0	1	1	1	Culvert functioning correctly.					Y	US
424	Mountainside Rd	i=54+75 o=54+66	Aug-15	15.0	cmp	40.0	2.0	2	2	2	Culvert filling with sediment.	A			1	Y	L
425	Mountainside Rd	i=57+78 o=57+45	Aug-15	15.0	cmp	50.0	2.0	2	2	2	Culvert 1/2 full of sediment.				1	Y	L
426	Mountainside Rd	i=60+32 o=60+12	Aug-15	21.0	cmp	50.0	4.0	2	2	2	Sediment build up in culvert.				1	Y	L
427	Mountainside Rd	i=61+71 o=61+51	Aug-15	18.0	cmp	22.0	2.0	1	3	3	No inlet or outlet stabilization.						US
428	Mountainside Rd	i=62+26 o=62+14	Aug-15	24.0	cmp	40.0	2.0	1	3	3	No inlet or outlet stabilization.					Y	US
429	Mountainside Rd	i=63+28 o=63+08	Aug-15	12.0	cmp	30.0	2.0	1	1	1	Culvert functioning correctly.						US
430	Mountainside Rd	i=64+74 o=64+74	Aug-15	24.0	cmp	90.0	1.0	1	3	1	Inlet area collapsing.						US
431	Mountainside Rd	i=66+06 o=66+24	Aug-15	36.0	cmp	50.0	3.0	1	1	1	Recently replaced culvert.	A				Y	US
431A	Willow Drive	See Plan	Aug-15	36.0	hdpe	60.0	2.0	1	1	1	Culvert recently replaced.	A				Y	US
432	Mountainside Rd	i=67+67 o=67+62	Aug-15	15.0	cmp	20.0	4.0	1	1	1	Culvert functioning correctly.						US
433	Willow Drive	See Plan	Aug-15	15.0	cmp	40.0	10.0	3	1	1	Culvert rusting badly.				2		M
433A	Willow Drive	See Plan	Aug-15	15.0	cmp	30.0	2.0	1	1	2	Ponding occurring at outlet, standing water in culvert.						US
434	Willow Drive	See Plan	Aug-15	24.0	cmp	40.0	6.0	1	3	1	Inlet badly damaged.						US
434A	Willow Drive	See Plan	Aug-15	10.0	hdpe	20.0	2.0	1	3	3	No inlet or outlet stabilization.						US
435	Willow Drive	See Plan	Aug-15	12.0	cmp	30.0	3.0	2	2	2	Culvert 1/2 full of sediment.				1		L

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<u>CULVERT NUMBER</u>	<u>ROAD NAME</u>	<u>ROAD STATION</u>	<u>Date Observed</u>	<u>CULVERT SIZE (INCHES)</u>	<u>CULVERT TYPE</u>	<u>APPROX. CULVERT LENGTH (FEET)</u>	<u>APPROX. CULVERT SLOPE (%)</u>	<u>ACTION REQUIRED</u> 1=NONE 2=CLEAN 3=REPLACE	<u>INLET CONDITION</u> 1=GOOD 2=CLEAN 3=REBUILD	<u>OUTLET CONDITION</u> 1=GOOD 2=CLEAN 3=REBUILD	<u>COMMENTS</u>	<u>HYDRO CAD MODEL</u>	<u>(1) HEIGHT ABOVE FLOOD ELEVATION</u>	<u>EXPECTED FAILURE</u>	<u>CONDITION</u>	<u>CRITICAL ROAD</u>	<u>PRIORITY LEVEL</u>
435A	Willow Drive	See Plan	Aug-15	24.0	cmp	40.0	3.0	1	1	1	Culvert recently replaced.						US
436	Willow Drive	See Plan	Aug-15	24.0	cmp	20.0	2.0	1	1	3	Erosion toward road at outlet occurring.	A					US
440	Mountainside Rd	Ent. Oak Dr	Aug-15	15.0	hdpe	60.0	10.0	2	2	1	Inlet filling with sediment.				1		L
441	Mountainside Rd	Ent. Kibby	Aug-15	15.0	hdpe	50.0	10.0	2	2	2	Culvert filling with sediment.				1		L
442	Mountainside Rd	Ent. Maple	Aug-15	15.0	hdpe	60.0	5.0	2	2	2	Culvert filling with sediment.				1		L
444	Mountainside Rd	Ent. Bear Mtn	Aug-15	15.0	cmp	30.0	4.0	1	1	2	Outlet 1/2 full of sediment.					Y	US
444A	Mountainside Rd	See Plan	Aug-15	15.0	cmp	20.0	5.0	3	3	3	Culvert badly damaged.				2		M
445	Mountainside Rd	Ent. Adams	Aug-15	15.0	cmp	40.0	5.0	1	1	1	Culvert functioning correctly.					Y	US
446	Mountainside Rd	Ent. Adams	Aug-15	15.0	cmp	20.0	3.0	2	2	2	Culvert 1/2 full of sediment.				1		L
447	Mountainside Rd	14+90	Aug-15	15.0	cmp	50.0	2.0	3	3	3	Inlet crushed. No culvert function.	C	2.2	X	2		H
449	West Wind	See Plan	Aug-15	24.0	cmp	50.0	2.0	1	1	2	Large amount of sediment in outlet of culvert.	B					US
500	Wanagans	See Plan	Aug-15	12.0	cmp	30.0	6.0	1	1	1	Culvert functioning correctly.						US
501	Wanagans	See Plan	Aug-15	24.0	cmp	35.0	6.0	3	1	1	Culvert rusting and beginning to fail.				2		M
502	Wanagans	See Plan	Aug-15	12.0	cmp	72.0	10.0	1	1	1	Culvert functioning correctly.						US
503	Wanagans	See Plan	Aug-15	12.0	cmp	32.0	5.0	2	2	2	Culvert filling with sediment.				1		L
504	Wanagans	See Plan	Aug-15	8.0	pvc	25.0	25.0	3	3	3	This is a section of PVC pipe laying on the ground.				2		M

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505	Wanagans	See Plan	Aug-15	12.0	cmp	78.0	5.0	2	2	1	Culvert filling with sediment. Culvert also causing a speed bump.				1		L
506	Wanagans	See Plan	Aug-15	8.0	cmp	78.0		2	2	3	CB inlet. Outlet possibly buried. Unable to locate outlet.				1		L
510	Walden Circle	See Plan	Aug-15	15.0	cmp	35.0	3.0	1	1	1	Culvert functioning correctly.						US
511	Walden Circle	See Plan	Aug-15	24.0	cmp	35.0	3.0	2	2	1	Inlet nearly full of sediment.				1		L
512	Walden Circle	See Plan	Aug-15	24.0	cmp	35.0	4.0	2	2	3	Inlet filling with sediment. Outlet blocked by a rock.				1		L
513	Walden Circle	See Plan	Aug-15	24.0	cmp	35.0	2.5	1	3	1	Inlet failing. Riprap installation needed.						US
514	Hemlock Drive	See Plan	Aug-15	48.0	cmp	60.0	2.0	1	1	3	Outlet beginning to fail. Stabilization needed.	A					US
515	Hemlock Drive	See Plan	Aug-15	Oval 39" tall 53" wide	cmp	60.0	3.0	1	1	3	Riprap sitting on top of fabric outlet. Outlet stabilization failing.	A					US
520	Beech Mtn	See Plan	Aug-15	24.0	CB cmp	42.0	1.0	2	2	2	Culvert 1/2 full of sediment.				1		L
521	Beech Mtn	See Plan	Aug-15	24.0	CB cmp	80.0	1.5	1	2	1	CB inlet needs cleaning.						US
522	Beech Mtn	See Plan	Aug-15	24.0	cmp	50.0	2.0	3	3	3	Inlet and outlet damaged, poor functionality.				2		M
523	Beech Mtn	See Plan	Aug-15	24.0	cmp	60.0	3.0	1	1	1	Culvert functioning correctly.	A					US
525	Moose Mtn	See Plan	Aug-15	15.0	cmp	20.0	1.0	1	1	1	Culvert functioning correctly.						US
525A	Moose Mtn		Aug-15	21.0	hdpe	20.0	2.0				Condition Unknown.						US
526	Moose Mtn	See Plan	Aug-15	24.0	cmp	75.0	2.0	1	2	1	Sediment built up at inlet.						US
530	Oak Dr	See Plan	Aug-15	24.0	cmp	60.0	1.5	1	2	1	Inlet 1/2 full of sediment.						US

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531	Oak Dr	See Plan	Aug-15	6.0	pvc	80.0	2.0	1	2	3	CB inlet needs cleaning. Outlet blocked by rocks and sediment.						US
535	Kibby Mtn		Aug-15	18.0	cmp	65.0	2.0				Condition Unknown.						US
536	Kibby Mtn	See Plan	Aug-15	24.0	cmp	20.0	2.5	2	2	2	Culvert 1/3 full of sediment.				1		L
540	Maple Dr	See Plan	Aug-15	15.0	cmp	50.0	2.5	1	2	1	Inlet damaged, repair for proper function.						US
541A	Maple Dr	See Plan	Aug-15	12.0	cmp	60.0	1.0	1	1	1	Culvert functioning correctly.						US
542	Maple Dr	See Plan	Aug-15	24.0	cmp	110.0	2.5	1	1	1	Culvert functioning correctly.	A					US
543	Fox Fire	See Plan	Aug-15	18.0	hdpe	60.0	3.0	1	1	1	Culvert functioning correctly.						US
543A	Deer Mtn	See Plan	Aug-15	24.0	hdpe	80.0	2.0	1	1	1	Culvert functioning correctly.						US
545	Deer Mtn	See Plan	Aug-15	24.0	hdpe	60.0	2.0	1	1	1	Culvert creates very large speed bump in parking lot.						US
546	Deer Mtn	See Plan	Aug-15	24.0	cmp	20.0	1.0	1	1	1	Culvert functioning correctly.		1.7	X			M
546A	Deer Mtn	See Plan	Aug-15	12.0	cmp	10.0	5.0	1	1	1	Culvert functioning correctly.	A					US
547	Caribou Mtn	See Plan	Aug-15	24.0	hdpe	55.0	2.0	1	2	1	Inlet 1/2 full of sediment.						US
548	Caribou Mtn	See Plan	Aug-15	i=24"	hdpe	60.0	3.0	1	1	1	Culvert functioning correctly.	A					US
551	Bigelow Mtn	See Plan	Aug-15	30.0	hdpe	30.0	3.0	1	1	1	Culvert functioning correctly.	A					US
552	Bigelow Mtn	See Plan	Aug-15	30.0	cmp	55.0	3.0	1	1	1	Culvert functioning correctly.						US
553	Bigelow Mtn	See Plan	Aug-15	24.0	cmp	62.0	4.0	1	1	1	Culvert functioning correctly.	A					US

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 (3) Condition level: "Blank" - No issues anticipated; "1" - Monitor;
 "2" - Replace

HIGHEST (H+)	22
HIGH (H)	10
MEDIUM (M)	88
LOW (L)	110
UNPRIORITIZED STRUCTURE (US)	294
TOTAL	524

GOOD
 REQUIRES MAINTENANCE
 REBUILD OR REPLACE

CULVERT INVENTORY

CULVERT NUMBER	ROAD NAME	ROAD STATION	Date Observed	CULVERT SIZE (INCHES)	CULVERT TYPE	APPROX. CULVERT LENGTH (FEET)	APPROX. CULVERT SLOPE (%)	ACTION REQUIRED 1=NONE 2=CLEAN 3=REPLACE	INLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	OUTLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	COMMENTS	HYDRO CAD MODEL	(1) HEIGHT ABOVE FLOOD ELEVATION	EXPECTED FAILURE	CONDITION	CRITICAL ROAD	PRIORITY LEVEL
554	Bigelow Mtn	See Plan	Aug-15	30.0	hdpe	35.0	1.0	1	1	1	Culvert functioning correctly.	A					US
560	Burnt Mtn	See Plan	Aug-15	30.0	hdpe	30.0	3.0	3	3	3	Recently Replaced	A			2		M
561	Burnt Mtn	See Plan	Aug-15	18.0	cmp	30.0	2.0	3	3	3	Culvert rusted badly. No bottom to culvert.	A			2		M
563	Burnt Mtn	See Plan	Aug-15	18.0	cmp	30.0	5.0	1	1	2	Outlet filling with sediment.						US
565	Bear Mtn	See Plan	Aug-15	15.0	cmp	25.0	3.0	1	1	1	Culvert functioning correctly.						US
565A	Bear Mtn		Aug-15	28.0	hdpe	90.0	1.0				Condition Unknown.						US
566	Adams Mtn	See Plan	Aug-15	24.0	hdpe	70.0	2.0	1	1	1	CB inlet. Culvert functioning correctly.	A					US
566A	Adams Mtn	See Plan	Aug-15	12.0	hdpe	15.0	1.0	1	1	1	Culvert recently replaced.						US
566B	Adams Mtn	See Plan	Aug-15	12.0	hdpe	150.0	1.0	1	1	1	Culvert functioning correctly. Drains to CB that is inlet to 566.						US
567	Adams Mtn	See Plan	Aug-15	24.0	cmp	60.0	1.0	2	2	1	Culvert 1/2 full of water. Culvert appears to pitch backwards.				1		L
568	Adams Mtn	See Plan	Aug-15	60.0	cmp	40.0	6.0	1	2	1	Some rock/debris build up at inlet.	B	5.7	X			M
570	Hamlet Circle	See Plan	Aug-15	15.0	cmp	20.0	4.0	1	1	1	Culvert functioning correctly.						US
570A	Hamlet Circle	See Plan	Aug-15	10.0	cmp	10.0	1.0	2	2	2	Culvert 1/2 full of sediment.				1		L
570B	Hamlet Circle	See Plan	Aug-15	10.0	cmp	15.0	1.0	1	1	1	Culvert functioning correctly.						US
571	Hamlet Circle	See Plan	Aug-15	18.0	cmp	40.0	4.0	1	1	1	Culvert functioning correctly.						US
572	Hamlet Circle	See Plan	Aug-15	18.0	cmp	57.0	5.0	2	2	2	Culvert 1/2 full of sediment.				1		L

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

TOWN OF CARRABASSETT VALLEY, MAINE
CONDITION OF DRAINAGE INFRASTRUCTURE
 December 2018

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<u>CULVERT NUMBER</u>	<u>ROAD NAME</u>	<u>ROAD STATION</u>	<u>Date Observed</u>	<u>CULVERT SIZE (INCHES)</u>	<u>CULVERT TYPE</u>	<u>APPROX. CULVERT LENGTH (FEET)</u>	<u>APPROX. CULVERT SLOPE (%)</u>	<u>ACTION REQUIRED</u> 1=NONE 2=CLEAN 3=REPLACE	<u>INLET CONDITION</u> 1=GOOD 2=CLEAN 3=REBUILD	<u>OUTLET CONDITION</u> 1=GOOD 2=CLEAN 3=REBUILD	<u>COMMENTS</u>	<u>HYDRO CAD MODEL</u>	<u>(1) HEIGHT ABOVE FLOOD ELEVATION</u>	<u>EXPECTED FAILURE</u>	<u>CONDITION</u>	<u>CRITICAL ROAD</u>	<u>PRIORITY LEVEL</u>
580	Crooker Mtn	See Plan	Aug-15	36.0	cmp	50.0	2.5	1	1	1	Culvert functioning correctly.	A	0.5	X			M
581	Crooker Mtn	See Plan	Aug-15	15.0	cmp	60.0	3.0	1	1	1	Culvert functioning correctly.						US
581A	Crooker Mtn	See Plan	Aug-15	10.0	pvc	200.0	2.0	1	1	1	CB inlet. Culvert functioning correctly.						US
582	Crooker Mtn	See Plan	Aug-15	36.0	cmp	36.0	3.0	1	1	1	Culvert functioning correctly.			X			M
590	Old Inn Rd	11+46, 15' rt<	Aug-15	15.0	cmp	30.0	4.0	1	1	1	Culvert functioning correctly.						US
591	Old Inn Rd	See Plan	Aug-15	15.0	hdpe	60.0	1.0	1	1	1	Culvert functioning correctly.						US
600	Village Area	See Plan	Aug-15	oval 56" tall 74" wide x2	cmp	47.0	7.0	1	2	1	One of the two inlets blocked with debris.	B	1.3	X			M
602	Village Area	See Plan	Aug-15	60.0	cmp	65.0	4.0	1	1	3	Some erosion occurring at outlet.			X			M
603	Village Area	See Plan	Aug-15	60.0	cmp	45.0	3.0	1	1	1	Culvert functioning correctly.	B	6.1	X			M
604	Village Area	See Plan	Aug-15	60.0	cmp	50.0	5.0	1	1	1	Culvert functioning correctly.			X			M
605	Village Area	See Plan	Aug-15	60.0	cmp	45.0	3.0	1	1	1	Culvert functioning correctly.			X			M
605A	Village Area	See Plan	Aug-15	12.0	pvc	50.0	1.0	1	1	1	3 CB inlets connected with 12"PVC, Daylight outlet. All functioning well.						US
605B	Village Area	See Plan	Aug-15	12.0	cmp	100.0	1.0	1	1	1	CB inlet. Culvert functioning correctly.						US
606	Village Area	See Plan	Aug-15	72.0	cmp	45.0	5.0	1	2	1	Inlet clogged with debris.	B	4.6	X			M
610	Village Area	See Plan	Aug-15	36.0	cmp	12.0	2.0	3	2	2	Culvert crushing. Inlet and outlet filling with debris.	C			2		M
610A	Maint. Lot	See Plan	Aug-15	36.0	hdpe	25.0	2.0	1	1	1	Culvert functioning correctly.						US

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

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HIGH (H) 10

MEDIUM (M) 88

LOW (L) 110

UNPRIORITIZED STRUCTURE (US) 294

TOTAL 524

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CULVERT INVENTORY

CULVERT NUMBER	ROAD NAME	ROAD STATION	Date Observed	CULVERT SIZE (INCHES)	CULVERT TYPE	APPROX. CULVERT LENGTH (FEET)	APPROX. CULVERT SLOPE (%)	ACTION REQUIRED 1=NONE 2=CLEAN 3=REPLACE	INLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	OUTLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	COMMENTS	HYDRO CAD MODEL	(1) HEIGHT ABOVE FLOOD ELEVATION	EXPECTED FAILURE	CONDITION	CRITICAL ROAD	PRIORITY LEVEL
610B	Maint. Lot		Aug-15	36.0	hdpe	80.0	2.0				Condition Unknown.	C					US
610C	Maint. Lot		Aug-15	30.0	cmp	50.0	2.0				Condition Unknown.	C					US
612	Village Area	See Plan	Aug-15	24.0	hdpe	39.0	3.0	1	1	1	Culvert functioning correctly.	C					US
612A	Access Road	See Plan	Aug-15	15.0	cmp	40.0	5.0	2	1	2	Outlet full of sediment. MAY BE BETTER OFF REMOVING OR PLUGGING(JWG)				1		L
614	Village Area	See Plan	Aug-15	48.0	cmp	120.0	4.0	1	1	1	Culvert functioning correctly.						US
615	Village Area	See Plan	Aug-15	15.0	cmp	75.0	1.0	1	2	1	CB inlet needs cleaning.						US
616	Village Area	See Plan	Aug-15	48.0	cmp	180.0	4.0	1	1	1	Culvert functioning correctly.						US
617	Village Area	See Plan	Aug-15	36.0	hdpe	160.0	3.0	1	1	1	Culvert functioning correctly.	B	2.2	X			M
618	Village Area	See Plan	Aug-15	15.0	hdpe	15.0	1.0	1	1	1	Culvert functioning correctly.						US
619	Village Area	See Plan	Aug-15	24.0	hdpe	100.0	2.0	1	1	1	Culvert functioning correctly.	C	1.5	X		Y	H+
620	Village Area		Aug-15	24.0	cmp	100.0	1.0				Condition Unknown.	C	1.4	X			M
621	Village Area	See Plan	Oct-18	36.0	cmp	50.0	5.0	2	2	2	Entire pipe 2/3 full of sediment.	C					US
622	Village Area	See Plan	Oct-18	36.0	cmp	50.0	5.0	3	3	3	Culvert bottom rotted completely. Inlet eroding. Under culvert eroding.	C			2		H+
624	Village Area	See Plan	Aug-15	30.0	cmp	70.0	?	1	1	3	Outlet crushed by boulder.	B					US
626	Village Area	See Plan	Oct-18	30.0	cmp	50.0	5.0	2	2	2	Inlet and outlet 1/2 full of sediment.						
628	Village Area	See Plan	Oct-18	36.0	hdpe	50.0	5.0	1	1	1	Good Condition						

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700	Woody Creek	In 13+28;24'lt	Aug-15	12.0	cmp	32.0	8.0	2	2	2	Large amount of sediment buildup in culvert.				1		L
701	Woody Creek	In 14+86;23'lt	Aug-15	15.0	cmp	30.0	8.0	2	2	2	Culvert 1/3 full of sediment.				1		L
702	Woody Creek	In 15+00;28'rt	Aug-15	12.0	pvc	24.0	8.0	2	2	2	Culvert 1/2 full of sediment.				1		L
702A	Woody Creek	See Plan	Aug-15	15.0	hdpe	15.0	2.0	2	2	2	No culvert function. Culvert filled with sediment.				1		L
702B	Woody Creek	See Plan	Aug-15	12.0	cmp	15.0	2.0	2	2	2	Culvert 1/2 full of sediment.				1		L
702C	Woody Creek	See Plan	Aug-15	12.0	cmp	15.0	2.0	2	1	2	Culvert 1/2 full of sediment.				1		L
702D	Woody Creek	See Plan	Aug-15	0.0	-	0.0	0.0	3	3	3	Culvert completely buried. Speed bump in pavement suggests its existence.				2		M
703	Woody Creek	In 16+55;22'lt	Aug-15	15.0	cmp	28.0	8.0	2	2	2	Culvert 1/2 full of sediment.				1		L
704	Woody Creek	In 16+55;28'rt	Aug-15	15.0	cmp	20.0	8.0	1	1	1	Culvert functioning correctly.						US
705	Woody Creek	In 17+85;18'lt	Aug-15	15.0	hdpe	32.0	8.0	1	1	1	Culvert functioning correctly.						US
706	Woody Creek	In 17+68;25'rt	Aug-15	15.0	cmp	20.0	8.0	3	3	3	Inlet crushed. Large amount of sediment at outlet.				2		M
707	Woody Creek	In 19+25;42'rt	Aug-15	12.0	cmp	16.0	3.0	3	3	3	Bottom of culvert rusted out. No bottom to culvert.				2		M
708	Woody Creek	In 19+55;20'rt	Aug-15	15.0	hdpe	28.0	8.0	1	1	1	Culvert functioning correctly.						US
709	Woody Creek	In 20+28;30'rt	Aug-15	8.0	pvc	20.0	8.0	1	1	1	Culvert functioning correctly.						US
710	Woody Creek	In 20+20;25'lt	Aug-15	12.0	cmp	42.0	8.0	1	1	1	Top of culvert exposed in gravel drive. No cover.						US
711	Woody Creek	In 21+50;30'lt	Aug-15	15.0	cmp	26.0	8.0	2	2	2	No culvert function. Culvert filled with sediment.				1		L

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712	Woody Creek	In 22+05;17'rt	Aug-15	15.0	cmp	24.0	8.0	1	1	1	Culvert functioning correctly.						US
713	Woody Creek	In 23+08;16'rt	Aug-15	10.0	cmp	32.0	8.0	1	1	1	Culvert functioning correctly.						US
713A	Woody Creek	See Plan	Aug-15	15.0	hdpe	20.0	2.0	1	1	1	Culvert functioning correctly.						US
714	Woody Creek	In 24+27;51'lt	Aug-15	12.0	pvc	20.0	4.0	1	1	1	Culvert functioning correctly.						US
715	Woody Creek	In 25+05;20'rt	Aug-15	12.0	cmp	24.0	5.0	1	1	1	Culvert functioning correctly.						US
715A	Woody Creek	See Plan	Aug-15	12.0	cmp	40.0	1.0	1	1	1	Culvert functioning correctly.						US
716	Woody Creek	In 25+75;24'rt	Aug-15	12.0	cmp	20.0	8.0	1	2	1	Inlet damaged. Culvert 1/2 full of sediment at inlet.						US
717	Woody Creek	In 26+75;60'rt	Aug-15	15.0	cmp	24.0	5.0	2	2	2	Culvert 1/2 full of sediment.				1		L
719	Woody Creek	In 28+27;99'rt	Aug-15	15.0	cmp	16.0	4.0	1	1	1	Top of culvert exposed in gravel drive. No cover.	B	1.3	X			M
720	Woody Creek	In 28+78;163'rt	Aug-15	12.0	cmp	20.0	1.0	1	2	2	Inlet CB clogged with leaves. Outlet buried in riprap.						US
723	Woody Creek	32+35;23'lt 32+00;32'rt	Aug-15	24.0	cmp	70.0	1.0	1	1	2	Outlet 1/2 full of sediment.						US
724	Woody Creek	o=35+60 in=35+65	Aug-15	15.0	pvc	60.0	1.0	1	1	1	Culvert functioning correctly. Culvert causes large speed bump.						US
725	Woody Creek	36+84;26'rt 37+04;30'rt	Aug-15	15.0	cmp	22.0	1.0	1	1	1	Culvert functioning correctly.						US
725A	Woody Creek	See Plan	Aug-15	12.0	cmp	25.0	1.0	1	1	1	Culvert functioning correctly.						US
727	Woody Creek	11+63;40'rt 12+20;60'lt	Aug-15	24.0	pvc	115.0	1.5	3	1	3	24" PVC reduces to 15" PVC, outlet buried in brush.				2		M
728	Woody Creek	10+72;13'rt 10+96;13'rt	Aug-15	8.0	DI	24.0	2.0	2	2	2	Culvert full of sediment. No culvert function.				1		L

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729	Woody Creek	11+35;32'rt 11+60;111'lt	Aug-15	18.0	pvc	147.0	2.5	1	1	1	Culvert functioning correctly.						US
750	The Commons	10+65;45'rt 10+94;12'lt	Aug-15	12.0	cmp	60.0	3.5	1	1	1	CB inlet. Culvert functioning correctly.						US
751	The Commons	11+87;25'rt 12+07;10lt	Aug-15	12.0	cmp	37.0	4.0	1	1	1	CB inlet. Culvert functioning correctly.						US
752	The Commons	12+58;31'rt 13+22;10'lt	Aug-15	12.0	cmp	54.0	4.0	1	1	2	CB inlet. Outlet filling with sediment.						US
754	The Commons	See Plan	Aug-15	240x108	Bridge	25.0		1	1	1	Bridge recently replaced. Modeled as Reach	B					US
755	The Commons	See Plan	Aug-15	12.0	cmp	45.0	7.0	2	2	2	Heavy amount of sediment in culvert.				1		L
770	Common Circle	10+87;14'lt	Aug-15	15.0	hdpe	40.0	3.5	1	1	1	Culvert functioning correctly.					Y	US
771	Common Circle	12+33;13'lt 12+43;16'rt	Aug-15	15.0	hdpe	32.0	2.0	1	1	1	Culvert functioning correctly.					Y	US
772	Common Circle	16+07;17'lt 16+31;18'lt	Aug-15	6.0	hdpe	25.0	4.0	2	2	2	Culvert full of sediment. No culvert function.				1		L
773	Common Circle	17+67;20'lt&rt	Aug-15	4@60	cmp	40.0	2.5	1	1	2	Outlets clogged with sediment and debris.	B					US
774A	Spruce Creek	See Plan	Aug-15	12.0	pvc	30.0	5.0	2	2	1	Culvert filling with sediment.				1		L
774B	Spruce Creek	See Plan	Aug-15	12.0	pvc	30.0	1.0	2	2	2	Culvert 1/2 full of sediment.				1		L
775	Common Circle	10+70;12'lt 10+86;12'lt	Aug-15	12.0	cmp	15.0	1.0	1	1	2	Some sediment in CB. CB is inlet for culvert #776.						US
776	Common Circle	See Plan	Aug-15	12.0	cmp	80.0	1.0	2	2	1	CB inlet needs cleaning. Some sediment in culvert.				1	Y	L
777	Common Circle	See Plan	Aug-15	12.0	cmp	40.0	3.0	2	2	2	Culvert 1/2 full of sediment.				1	Y	L
800	Birchwoods	See Plan	Aug-15	24.0	hdpe	100.0	1.0	1	1	1	Culvert recently replaced.						US

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800A	Black Bear	See Plan	Aug-15	24.0	hdpe	120.0	1.0	2	2	1	Inlet filling with sediment.				1		L
800B	Black Bear	See Plan	Aug-15	24.0	hdpe	120.0	1.0	2	2	1	Inlet filling with sediment.				1		L
800C	Black Bear	See Plan	Aug-15	24.0	hdpe	40.0	1.0	2	2	2	Outlet almost completely blocked with sediment.				1		L
800D	Black Bear	See Plan	Aug-15	24.0	hdpe	80.0	1.0	2	2	1	Inlet filling with sediment.				1		L
801	Birchwoods	See Plan	Aug-15	15.0	hdpe	30.0	0.5	1	2	1	Inlet 1/2 full of sediment.						US
802	Birchwoods	15+67	Aug-15	24.0	hdpe	36.0	1.0	1	1	1	Culvert functioning correctly.	B	3.2	X			M
803	Birchwoods	16+37	Aug-15	15.0	cmp	62.0	4.0	1	2	1	Inlet 1/2 full of sediment.						US
804	Birchwoods	17+13 17+84	Aug-15	24.0	cmp	70.0	5.0	1	1	1	Culvert functioning correctly.	B	2.2	X			M
805	Birchwoods	18+50	Aug-15	15.0	cmp	78.0	5.0	1	1	1	Culvert functioning correctly.						US
805A	Birchwoods	See Plan	Aug-15	15.0	hdpe	100.0	2.0	1	1	1	CB inlet. Culvert functioning correctly.						US
806	Birchwoods	19+21	Aug-15	36.0	cmp	26.0	2.0	1	2	1	Inlet clogged with debris/rocks.	B	2.2	X			M
807A	Birchwoods	See Plan	Aug-15	15.0	hdpe	20.0	1.0	1	1	1	Culvert functioning correctly.						US
808	Birchwoods	21+22	Aug-15	15.0	cmp	20.0	0.5	1	1	1	Culvert functioning correctly.						US
809	Birchwoods	22+65	Aug-15	15.0	hdpe	32.0	1.0	1	1	1	Culvert functioning correctly.						US
810	Birchwoods	23+40	Aug-15	15.0	hdpe	32.0	2.0	1	1	1	Culvert functioning correctly.						US
811	Birchwoods	24+57	Aug-15	24.0	hdpe	32.0	2.0	1	1	1	Culvert recently replaced.	C					US

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

TOWN OF CARRABASSETT VALLEY, MAINE

CONDITION OF DRAINAGE INFRASTRUCTURE

December 2018

(1) Height above estimated flood stage predicted by HydroCAD

(2) Expected failure if culvert is overtopped

(3) Condition level: "Blank" - No issues anticipated; "1" - Monitor; "2" - Replace

HIGHEST (H+) 22

HIGH (H) 10

MEDIUM (M) 88

LOW (L) 110

UNPRIORITIZED STRUCTURE (US) 294

TOTAL 524

GOOD

REQUIRES MAINTENANCE

REBUILD OR REPLACE

CULVERT INVENTORY

CULVERT NUMBER	ROAD NAME	ROAD STATION	Date Observed	CULVERT SIZE (INCHES)	CULVERT TYPE	APPROX. CULVERT LENGTH (FEET)	APPROX. CULVERT SLOPE (%)	ACTION REQUIRED 1=NONE 2=CLEAN 3=REPLACE	INLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	OUTLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	COMMENTS	HYDRO CAD MODEL	(1) HEIGHT ABOVE FLOOD ELEVATION	EXPECTED FAILURE	CONDITION	CRITICAL ROAD	PRIORITY LEVEL
812	Birchwoods	See Plan	Aug-15	24.0	cmp	24.0	3.5	2	2	2	Culvert beginning to fill with sediment.				1		L
813	Birchwoods	See Plan	Aug-15	24.0	cmp	24.0	0.5	1	1	2	Outlet clogged with debris.						US
814	Birchwoods	Btwn Birch and Inn	Aug-15	2.51@60, 1@24	cmp	38.0	1.0	2	2	1	Inlet of 60" culvert filled with sediment.			X	1		M
815	Birchwoods	Sugartree	Aug-15	30.0	cmp	58.0	2.0	1	1	1	Culvert recently replaced.			X			M
815A	Sugartree	See Plan	Aug-15	12.0	hdpe	100.0	2.0	2	2	1	Some sediment buildup in CB inlet and culvert.				1		L
816	Sugartree	See Plan	Aug-15	12.0	cmp	80.0	1.0	2	2	3	Outlet 2/3 full of sediment.				1		L
901	Snowflower	10+85	Aug-15	1@30 1@15	cmp	64.0	1.0	2	2	2	15" culvert clogged and not functioning. 30" functioning correctly.	C	1.9	X	1		M
901A	Snowflower	See Plan	Aug-15	24.0	hdpe	20.0	3.0	2	3	2	Inlet failing, no stabilization. Culvert filling with sediment.				1		L
901B	Evergreen	See Plan	Aug-15	12.0	hdpe	15.0	1.0	2	2	2	Culvert 1/2 full of sediment.				1		L
901C	Evergreen	See Plan	Aug-15	18.0	hdpe	20.0	5.0	1	2	1	Inlet beginning to fill with sediment.						US
901D	Evergreen	See Plan	Aug-15	36.0	cmp	20.0	3.0	2	2	2	Inlet blocked with debris.				1		L
901E	Evergreen	See Plan	Aug-15	18.0	hdpe	20.0	2.0	2	2	2	Culvert 1/2 full of sediment.				1		L
901F	Evergreen	See Plan	Aug-15	12.0	hdpe	15.0	1.0	2	2	2	Culvert 1/2 full of sediment.				1		L
902	Snowflower	18+00	Aug-15	24.0	hdpe	60.0	3.0	1	1	1	Culvert functioning correctly.						US
903	Snowflower		Aug-15	24.0	hdpe	35.0	2.0				Condition Unknown.	C					US
904	Snowflower	22+75	Aug-15	24.0	hdpe	35.0	2.0	1	1	1	Culvert functioning correctly.	C					US

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

TOWN OF CARRABASSETT VALLEY, MAINE

CONDITION OF DRAINAGE INFRASTRUCTURE

December 2018

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HIGHEST (H+)	22
HIGH (H)	10
MEDIUM (M)	88
LOW (L)	110
UNPRIORITIZED STRUCTURE (US)	294
TOTAL	524

GOOD
 REQUIRES MAINTENANCE
 REBUILD OR REPLACE

CULVERT INVENTORY

CULVERT NUMBER	ROAD NAME	ROAD STATION	Date Observed	CULVERT SIZE (INCHES)	CULVERT TYPE	APPROX. CULVERT LENGTH (FEET)	APPROX. CULVERT SLOPE (%)	ACTION REQUIRED 1=NONE 2=CLEAN 3=REPLACE	INLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	OUTLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	COMMENTS	HYDRO CAD MODEL	(1) HEIGHT ABOVE FLOOD ELEVATION	EXPECTED FAILURE	CONDITION	CRITICAL ROAD	PRIORITY LEVEL
905	Snowflower	23+70	Aug-15	36.0	cmp	40.0	1.0	1	2	1	Inlet 1/2 full of sediment.	C					US
906	Snowflower	Snubber Chair	Aug-15	24.0	cmp	70.0	2.0	1	2	1	Inlet clogged with debris.	B	3.4	X			M
906A	Snowflower	See Plan	Aug-15	-	-	-	-	3	3	3	CB inlet. Outlet to unknown place. CB very full of sediment.				2		M
907	Snowflower	Units 430-35	Aug-15	18.0	cmp	44.0	4.0	1	1	1	Culvert functioning correctly.						US
908	Snowflower	Gazebo	Aug-15	12.0	cmp	20.0	1.0	3	3	3	Inlet crunched, culvert full of sediment.				2		M
909	Snowflower	Units 420-25	Aug-15	18.0	hdpe	30.0	3.0	1	1	1	Culvert functioning correctly.						US
910	Snowflower	Units 460-65	Aug-15	15.0	cmp	100.0	2.5	1	2	1	Inlet clogged with debris.						US
911	MTN View	See Plan	Aug-15	18.0	hdpe	60.0	3.0	1	1	1	Culvert functioning correctly.						US
911C	MTN View	See Plan	Aug-15	12.0	cmp	25.0	5.0	3	3	3	Culvert crushed, inlet failed.				2		M
911D	MTN View	See Plan	Aug-15	12.0	hdpe	20.0	3.0	1	1	1	Culvert functioning correctly.						US
911E	MTN View	See Plan	Aug-15	24.0	hdpe	50.0	2.0	1	1	1	Culvert functioning correctly.						US
911F	MTN View	See Plan	Aug-15	12.0	cmp	15.0	2.0	1	1	1	Culvert functioning correctly.						US
911G	MTN View	See Plan	Aug-15	36.0	hdpe	80.0	3.0	1	1	3	Outlet to MH not located.						US
911I	MTN View	See Plan	Aug-15	36.0	hdpe	100.0	3.0	1	3	1	Inlet from MH not found. Outlet to CB.						US
911L	MTN View	See Plan	Aug-15	36.0	hdpe	80.0	3.0	1	1	1	Culvert functioning correctly.						US
911P	MTN View	See Plan	Aug-15	18.0	hdpe	20.0	5.0	1	1	1	Culvert functioning correctly.						US

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

TOWN OF CARRABASSETT VALLEY, MAINE
CONDITION OF DRAINAGE INFRASTRUCTURE
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 REQUIRES MAINTENANCE
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CULVERT INVENTORY

<u>CULVERT NUMBER</u>	<u>ROAD NAME</u>	<u>ROAD STATION</u>	<u>Date Observed</u>	<u>CULVERT SIZE (INCHES)</u>	<u>CULVERT TYPE</u>	<u>APPROX. CULVERT LENGTH (FEET)</u>	<u>APPROX. CULVERT SLOPE (%)</u>	<u>ACTION REQUIRED</u> 1=NONE 2=CLEAN 3=REPLACE	<u>INLET CONDITION</u> 1=GOOD 2=CLEAN 3=REBUILD	<u>OUTLET CONDITION</u> 1=GOOD 2=CLEAN 3=REBUILD	<u>COMMENTS</u>	<u>HYDRO CAD MODEL</u>	<u>(1) HEIGHT ABOVE FLOOD ELEVATION</u>	<u>EXPECTED FAILURE</u>	<u>CONDITION</u>	<u>CRITICAL ROAD</u>	<u>PRIORITY LEVEL</u>
911Q	MTN View	See Plan	Aug-15	12.0	hdpe	25.0	3.0	1	2	1	Inlet filling with sediment.						US
911R	MTN View	See Plan	Aug-15	12.0	hdpe	60.0	1.0	1	1	1	Culvert functioning correctly.						US
911S	MTN View	See Plan	Aug-15	36.0	hdpe	150.0	1.0	1	2	1	Inlet clogged with debris.						US
911T	MTN View	See Plan	Aug-15	24.0	hdpe						Outlet into CB. No known origin.						US
911U	MTN View	See Plan	Aug-15	18.0	hdpe	30.0	1.0	1	1	1	Culvert functioning correctly.						US
911V	MTN View	See Plan	Aug-15	18.0	hdpe	20.0	1.0	1	2	1	Inlet filling with sediment.						US
911W	MTN View	See Plan	Aug-15	18.0	hdpe	20.0	1.0	1	1	1	Culvert functioning correctly.						US
911X	MTN View	See Plan	Aug-15	24.0	hdpe	20.0	1.0	1	1	1	Culvert functioning correctly.						US
912	Snowflower	Units 406-410	Aug-15	15.0	cmp	105.0	2.0	1	1	1	Inlet CB. Culvert functioning correctly.						US
912A	Snowflower	See Plan	Aug-15	15.0	cmp	15.0	1.0	1	1	1	Culvert functioning correctly.						US
913	Snowflower	Units 400-405	Aug-15	15.0	cmp	150.0	2.0	1	1	1	CB Inlet with 8" PVC outlet, changed to 15" cmp somewhere.						US
921	MTN View	See Plan	Aug-15	36.0	hdpe	50.0	7.0	1	2	1	Inlet blocked by debris and sediment.	C	0.4	X			M
921A	MTN View	See Plan	Aug-15	18.0	hdpe	100.0	5.0	1	2	1	CB inlet filling with sediment.						US
921B	Fall Line	See Plan	Aug-15	12.0	hdpe	30.0	1.0	2	2	2	Inlet and Outlet CB needs cleaning.				1		L
921C	Fall Line	See Plan	Aug-15	12.0	hdpe	100.0	1.0	2	2	2	Inlet and Outlet CB needs cleaning.				1		L
921D	Fall Line	See Plan	Aug-15	12.0	hdpe	100.0	1.0	2	2	2	Inlet CB full of sediment. Outlet 3/4 full of sediment.				1		L

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

TOWN OF CARRABASSETT VALLEY, MAINE

CONDITION OF DRAINAGE INFRASTRUCTURE

December 2018

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CULVERT INVENTORY

CULVERT NUMBER	ROAD NAME	ROAD STATION	Date Observed	CULVERT SIZE (INCHES)	CULVERT TYPE	APPROX. CULVERT LENGTH (FEET)	APPROX. CULVERT SLOPE (%)	ACTION REQUIRED 1=NONE 2=CLEAN 3=REPLACE	INLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	OUTLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	COMMENTS	HYDRO CAD MODEL	(1) HEIGHT ABOVE FLOOD ELEVATION	EXPECTED FAILURE	CONDITION	CRITICAL ROAD	PRIORITY LEVEL
921E	Fall Line	See Plan	Inst 2019	108.0	Box Culv	40.0	1.0	1	1	1	New Culvert under Snubber Trail						
922	Snowflower	See Plan	Aug-15	18.0	cmp	12.0	0.5	1	1	1	Culvert functioning correctly. Some rust beginning.						US
1000	Snwbrk Village	See Plan	Aug-15	12.0	cmp	38.0	0.5	2	2	2	Culvert 1/2 full of sediment.				1		L
1000A	Castle Creek	See Plan	Aug-15	15.0	hdpe	60.0	1.0	2	2	2	Culvert 1/2 full of sediment.				1		L
1001	Snwbrk Village	See Plan	Aug-15	2@48 1@30	cmp	45.0	1.0	2	2	2	All 3 culverts 1/2 full of sediment.	C	1.5	X	1	Y	H+
1002	Snwbrk Village	See Plan	Aug-15	36.0	cmp	45.0	1.0	3	3	3	Culvert crushed, inlet failed.				2	Y	H+
1002A	Riverside Dr	See Plan	Aug-15	24.0	hdpe	20.0	10.0	1	1	1	Culvert functioning correctly.						US
1003	Snwbrk Village	See Plan	Aug-15	48.0	hdpe	45.0	1.0	3	2	2	Recently Replaced	C			1	Y	L
1004	Snwbrk Village	See Plan	Aug-15	36.0	cmp	40.0	1.0	3	3	3	Bottom of culvert rusted out.	C	1.2	X	2	Y	H+
1005	Snwbrk Village	See Plan	Aug-15	30.0	cmp	44.0	1.0	1	1	1	Culvert functioning correctly.	C				Y	US
1006	Snwbrk Village	See Plan	Aug-15	18.0	cmp	42.0	0.5	3	3	3	Bottom of culvert rusted out.	C	1.4	X	2	Y	H+
1007	Snwbrk Village	See Plan	Aug-15	12.0	cmp	62.0	1.0	1	1	1	Culvert functioning correctly.						US
1008	Snwbrk Village	See Plan	Aug-15	15.0	hdpe	40.0	1.0	1	1	1	Culvert f functioning correctly.						US
1009	Snwbrk Village	See Plan	Aug-15	15.0	cmp	40.0	1.0	2	2	2	Culvert nearly completely full of sediment.				1		L
1010	Snwbrk Village	See Plan	Aug-15	30.0	cmp	45.0	1.0	1	1	1	Culvert functioning correctly.						US
1011	Snwbrk Village	See Plan	Aug-15	24.0	cmp	60.0	1.0	1	2	1	Inlet filling with sediment.						US

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

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CULVERT INVENTORY

<u>CULVERT NUMBER</u>	<u>ROAD NAME</u>	<u>ROAD STATION</u>	<u>Date Observed</u>	<u>CULVERT SIZE (INCHES)</u>	<u>CULVERT TYPE</u>	<u>APPROX. CULVERT LENGTH (FEET)</u>	<u>APPROX. CULVERT SLOPE (%)</u>	<u>ACTION REQUIRED</u> 1=NONE 2=CLEAN 3=REPLACE	<u>INLET CONDITION</u> 1=GOOD 2=CLEAN 3=REBUILD	<u>OUTLET CONDITION</u> 1=GOOD 2=CLEAN 3=REBUILD	<u>COMMENTS</u>	<u>HYDRO CAD MODEL</u>	<u>(1) HEIGHT ABOVE FLOOD ELEVATION</u>	<u>EXPECTED FAILURE</u>	<u>CONDITION</u>	<u>CRITICAL ROAD</u>	<u>PRIORITY LEVEL</u>
1012	Snwbrk Village	See Plan	Aug-15	36.0	hdpe	41.0	1.0	1	1	1	Culvert functioning correctly.						US
1012A	Snwbrk Village	See Plan	Aug-15	8.0	Cast iron	20.0	2.0	3	3	3	No culvert function. Culvert filled with sediment.				2		M
1013	Snwbrk Village	See Plan	Aug-15	15.0	cmp	20.0	0.5	2	2	2	Culvert 1/2 full of sediment.				1		L
1014	Snwbrk Village	See Plan	Aug-15	15.0	cmp	35.0	0.5	1	2	1	Inlet filling with sediment.						US
1015	Snwbrk Village	See Plan	Aug-15	24.0	cmp	50.0	1.0	2	2	2	Culvert filling with sediment.				1		L
1015A	Snwbrk Village	See Plan	Aug-15	24.0	cmp	30.0	5.0	1	1	1	Culvert functioning correctly.						US
1016	Snwbrk Village	See Plan	Aug-15	15.0	hdpe	26.0	0.5	1	1	1	Culvert functioning correctly.						US
1017	Snwbrk Village	See Plan	Aug-15	18.0	cmp	36.0	2.0	2	2	1	Inlet filling with sediment.				1	Y	L
1018	Snwbrk Village	See Plan	Aug-15	15.0	cmp	36.0	2.0	2	2	2	Inlet and outlet damaged/filling with sediment.				1		L
1018A	Snwbrk Village	See Plan	Aug-15	12.0	cmp	10.0	5.0	2	2	2	Inlet and outlet crushed. Culvert filling with sediment.				1		L
1019	Snwbrk Village	See Plan	Aug-15	15.0	cmp	34.0	2.0	2	2	2	Inlet blocked with rocks.				1		L
1020	Snwbrk Village	See Plan	Aug-15	12.0	cmp	30.0	1.0	1	1	1	Culvert functioning correctly.						US
1021	Snwbrk Village	See Plan	Aug-15	15.0	cmp	92.0	1.0	2	2	2	Inlet collapsing. Culvert 1/2 full of sediment.				1		L
1021A	Snwbrk Village	See Plan	Aug-15	24.0	cmp	80.0	1.0	1	1	1	Culvert functioning correctly.						US
1022	Snwbrk Village	See Plan	Aug-15	15.0	cmp	97.0	1.0	3	1	1	Culvert inlet not accepting enough flow.				2		M
1022A	Snwbrk Village	See Plan	Aug-15	36.0	hdpe	30.0	5.0	1	1	1	Culvert functioning correctly.						US

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

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CULVERT NUMBER	ROAD NAME	ROAD STATION	Date Observed	CULVERT SIZE (INCHES)	CULVERT TYPE	APPROX. CULVERT LENGTH (FEET)	APPROX. CULVERT SLOPE (%)	ACTION REQUIRED 1=NONE 2=CLEAN 3=REPLACE	INLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	OUTLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	COMMENTS	HYDRO CAD MODEL	(1) HEIGHT ABOVE FLOOD ELEVATION	EXPECTED FAILURE	CONDITION	CRITICAL ROAD	PRIORITY LEVEL
1023	Snwbrk Village	See Plan	Aug-15	15.0	cmp	12.0	1.0	1	1	1	Culvert functioning correctly.						US
1023A	Snwbrk Village	See Plan	Aug-15	12.0	hdpe	200.0	2.0	1	1	1	2 CB's as inlet are in good condition. Outlet to stream in good condition.						US
1100	MTN View	See Plan	Aug-15	36.0	cmp	50.0	3.0	3	3	3	Culvert badly rusted. Outlet 1/2 full of sediment.	C	2.2	X	2		H
1101	Winters Way	See Plan	Aug-15	24.0	cmp	40.0	5.0	2	2	2	Culvert 1/2 full of sediment.	C			1		L
1102	Access Road	Above Maint	Aug-15	3@66	cmp	60.0	2.0	1	1	1	Recently replaced culverts.	C				Y	US
1103	Access Road	See Plan	Aug-15	15.0	cmp	20.0	2.0	3	3	3	Culvert 1/2 full of sediment. Culvert badly rusted.				2		M
1104	Access Road	See Plan	Aug-15	15.0	cmp	80.0	1.0	2	2	2	Culvert 1/2 full of sediment.	M	0.6	X	1		M
1105A	Elderberry	See Plan	Aug-15	12.0	rcp	75.0	3.0	2	2	2	Inlet CB filling with sediment. Outlet 1/2 full of sediment.				1		L
1105B	Elderberry	See Plan	Aug-15	2@15"	hdpe	50.0	1.0	1	2	1	Sediment build up in inlet.	M	1.3	X			M
1105BB	Elderberry	See Plan	Aug-15	18.0	hdpe	20.0	2.0	1	1	1	Culvert functioning correctly.						US
1105C	Elderberry	See Plan	Aug-15	12.0	rcp	50.0	1.0	1	2	1	Inlet CB filling with sediment.						US
1105D	Elderberry	See Plan	Aug-15	24.0	hdpe	60.0	1.0	1	1	2	Outlet 1/2 full of sediment.	M					US
1105DD	Elderberry	See Plan	Aug-15	12.0	hdpe	20.0	1.0	1	1	1	Culvert functioning correctly.						US
1105E	Elderberry	See Plan	Aug-15	12.0	rcp	30.0	1.0	2	2	2	Culvert 1/2 full of sediment.				1		L
1105F	Forest Lane		Oct-18	15.0	hdpe	30.0	1.0	2	2	1	Inlet riprap partially blocking pipe						US
1105J	Access Road		Aug-15	16" x2	cmp	80.0	1.0				Condition Unknown.					Y	US

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

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1105K	Soccer Field	See Plan	Aug-15	12.0	hdpe	80.0	1.0	1	2	1	Inlet CB overgrown with grass.						US
1105M	Soccer Field	See Plan	Aug-15	12.0	hdpe	30.0	1.0	1	2	1	Inlet CB overgrown with grass.	O					US
1105N	Soccer Field	See Plan	Aug-15	12.0	hdpe	20.0	1.0	1	1	1	Inlet CB overgrown with grass.						US
1105P	Forest Lane		Oct-18	15.0	hdpe	30.0	1.0	2	1	2	Outlet riprap partially blocking pipe						US
1106	Access Road	See Plan	Aug-15	60.0	cmp	20.0	3.0	1	1	1	Culvert functioning correctly.	C	4.9	X			M
1201	Penobscot Cir	See Plan	Aug-15	42x29 box	cmp	102.0	5.3	1	1	1	Culvert functioning correctly.	I	0.3	X		Y	H+
1201A	Timberline	See Plan	Aug-15	36.0	hdpe	20.0	5.0	1	1	1	Culvert functioning correctly.			X			M
1201B	Timberline	See Plan	Aug-15	36.0	hdpe	50.0	7.0	1	1	1	Culvert functioning correctly.						US
1202	Penobscot Cir	See Plan	Aug-15	42x29 box	cmp	60.0	3.5	1	1	1	Culvert functioning correctly.	I	1.9	X			M
1203	Penobscot Cir	See Plan	Aug-15	15.0	cmp	20.0	5.0	1	1	1	Culvert functioning correctly.						US
1204	Penobscot Cir	See Plan	Aug-15	18.0	cmp	20.0	3.0	2	2	2	Culvert 1/2 full of sediment.				1		L
1205	Penobscot Cir	See Plan	Aug-15	18.0	cmp	30.0	3.0	2	2	2	Culvert 1/2 full of sediment.				1		L
1206	Penobscot Cir	See Plan	Aug-15	24.0	cmp	20.0	3.0	1	1	1	Culvert functioning correctly.						US
1207	Riverside Dr	See Plan	Aug-15	18.0	hdpe	15.0	10.0	3	3	3	Inlet and outlet crushed. Culvert filling with sediment.			X	2		H
1207A	Riverside Dr	See Plan	Aug-15	24.0	hdpe	30.0	10.0	1	2	1	Inlet eroding, no stabilization.						US
1207B	Piscataqua Dr	See Plan	Aug-15	12.0	hdpe	15.0	5.0	2	2	2	Culvert 1/2 full of sediment.				1		L

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

TOWN OF CARRABASSETT VALLEY, MAINE

CONDITION OF DRAINAGE INFRASTRUCTURE

December 2018

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(2) Expected failure if culvert is overtopped

(3) Condition level: "Blank" - No issues anticipated; "1" - Monitor; "2" - Replace

HIGHEST (H+) 22

HIGH (H) 10

MEDIUM (M) 88

LOW (L) 110

UNPRIORITIZED STRUCTURE (US) 294

TOTAL 524

GOOD

REQUIRES MAINTENANCE

REBUILD OR REPLACE

CULVERT INVENTORY

<u>CULVERT NUMBER</u>	<u>ROAD NAME</u>	<u>ROAD STATION</u>	<u>Date Observed</u>	<u>CULVERT SIZE (INCHES)</u>	<u>CULVERT TYPE</u>	<u>APPROX. CULVERT LENGTH (FEET)</u>	<u>APPROX. CULVERT SLOPE (%)</u>	<u>ACTION REQUIRED</u> 1=NONE 2=CLEAN 3=REPLACE	<u>INLET CONDITION</u> 1=GOOD 2=CLEAN 3=REBUILD	<u>OUTLET CONDITION</u> 1=GOOD 2=CLEAN 3=REBUILD	<u>COMMENTS</u>	<u>HYDRO CAD MODEL</u>	<u>(1) HEIGHT ABOVE FLOOD ELEVATION</u>	<u>EXPECTED FAILURE</u>	<u>CONDITION</u>	<u>CRITICAL ROAD</u>	<u>PRIORITY LEVEL</u>
1207C	Piscataqua Dr	See Plan	Aug-15	12.0	hdpe	10.0	5.0	2	2	2	Culvert 1/2 full of sediment.				1		L
1207D	Piscataqua Dr	See Plan	Aug-15	12.0	hdpe	15.0	7.0	1	2	1	Inlet 1/2 full of sediment.						US
1207E	Piscataqua Dr	See Plan	Aug-15	15.0	hdpe	50.0	3.0	2	2	2	Culvert 1/2 full of sediment.				1		L
1207EE	Piscataqua Dr	See Plan	Aug-15	15.0	hdpe	60.0	3.0	2	2	2	Culvert 1/2 full of sediment.				1		L
1207F	Riverside Dr	See Plan	Aug-15	15.0	hdpe	20.0	2.0	2	2	2	Outlet completely blocked. Inlet 1/2 fill of rocks.			X	1		M
1208	Kennebec Circle	See Plan	Aug-15	30.0	cmp	48.0	6.1	2	2	2	Culvert 1/2 full of sediment. Culvert badly rusted.	I	2	X	1		M
1208A	Kennebec Circle	See Plan	Aug-15	18.0	cmp	40.0	2.7	3	3	3	Complete loss of culvert function. Culvert full of sediment.	I	1.2	X	2	Y	H+
1208B	Kennebec Circle	See Plan	Aug-15	30.0	cmp	50.0	7.3	1	1	1	Culvert functioning correctly.	I	2.5	X			M
1208C	Kennebec Circle	See Plan	Aug-15	12.0	cmp	20.0	2.0	2	2	2	Culvert 1/2 full of sediment.				1		L
1208D	Kennebec Circle	See Plan	Aug-15	12.0	cmp	25.0	2.0	2	2	2	Culvert 1/2 full of sediment.				1		L
1208E	Kennebec Circle	See Plan	Aug-15	48.0	cmp	40.0	8.4	1	1	1	Culvert functioning correctly.	I					US
1208F	Kennebec Circle	See Plan	Aug-15	36x2	hdpe	40.0	8.4	1	1	1	Culvert functioning correctly.	I					US
1208G	Kennebec Circle	See Plan	Aug-15	30x2	cmp	24.0	4.0	1	1	1	Culvert functioning correctly.	I	1.7	X			M
1208H	Kennebec Circle	See Plan	Aug-15	12.0	cmp	20.0	2.0	2	2	2	Culvert 1/2 full of sediment.				1		L
1208I	Kennebec Circle	See Plan	Aug-15	15.0	cmp	15.0	1.0	2	2	2	Culvert 1/2 full of sediment.				1		L
1208J	Kennebec Circle	See Plan	Aug-15	24.0	cmp	30.0	2.0	3	3	3	Culvert full of sediment. Culvert rusting out.	I	3.4	X	2		H

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

TOWN OF CARRABASSETT VALLEY, MAINE

CONDITION OF DRAINAGE INFRASTRUCTURE

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TOTAL 524

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CULVERT INVENTORY

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1208K	Kennebec Circle	See Plan	Aug-15	18.0	cmp	15.0	7.0	3	3	3	Inlet and outlet crushed. Culvert badly rusted.			X	2		H
1208L	Kennebec Circle	See Plan	Aug-15	24.0	cmp	30.0	2.0	3	2	2	Bottom of culvert badly rusted.	I			2		M
1208M	Kennebec Circle	See Plan	Aug-15	18.0	hdpe	10.0	7.0	2	3	2	Inlet crushed and failing. Culvert 1/2 full of sediment.				1		L
1208N	Kennebec Circle	See Plan	Aug-15	18.0	cmp	10.0	7.0	3	3	3	Culvert badly rusted and 1/2 full of sediment.			X	2		H
1208O	Kennebec Circle	See Plan	Aug-15	18.0	cmp	15.0	10.0	3	3	3	Bottom of culvert rusted out, culvert filling with sediment.				2		M
1208P	Kennebec Circle	See Plan	Aug-15	18.0	hdpe	15.0	10.0	1	1	1	Culvert functioning correctly.			X			M
1208Q	Kennebec Circle	See Plan	Aug-15	18.0	hdpe	25.0	7.0	2	2	2	Inlet nearly full of sediment.				1		L
1208R	Kennebec Circle	See Plan	Aug-15	18.0	hdpe	15.0	5.0	2	2	2	Culvert 1/2 full of sediment.				1		L
1208S	Kennebec Circle	See Plan	Aug-15	18.0	cmp	20.0	2.0	2	2	2	Culvert 1/2 full of sediment.				1		L
1208T	Kennebec Circle	See Plan	Aug-15	24.0	hdpe	20.0	5.0	1	1	1	Culvert functioning correctly.			X			M
1209	Riverside Dr	See Plan	Aug-15	71x47 box	cmp	67.0	3.5	1	1	3	Outlet erosion occurring.	I				Y	US
1209A	Riverside Dr	See Plan	Aug-15	18.0	cmp	40.0	5.0	1	1	1	Culvert functioning correctly.						US
1209B	Riverside Dr	See Plan	Aug-15	30.0	cmp	45.0	8.6	2	2	2	Inlet and outlet filling with sediment.	I	0.5	X	1		M
1209C	Riverside Dr	See Plan	Aug-15	15.0	cmp	20.0	1.0	1	1	1	Culvert functioning correctly.						US
1209D	Riverside Dr	See Plan	Aug-15	36.0	cmp	50.0	5.8	1	1	1	Culvert functioning correctly.	I	1.7	X			M
1209DD	Riverside Dr	See Plan	Aug-15	48.0	cmp	40.0	5.0	1	1	1	Culvert functioning correctly.						US

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

TOWN OF CARRABASSETT VALLEY, MAINE

CONDITION OF DRAINAGE INFRASTRUCTURE

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<u>CULVERT NUMBER</u>	<u>ROAD NAME</u>	<u>ROAD STATION</u>	<u>Date Observed</u>	<u>CULVERT SIZE (INCHES)</u>	<u>CULVERT TYPE</u>	<u>APPROX. CULVERT LENGTH (FEET)</u>	<u>APPROX. CULVERT SLOPE (%)</u>	<u>ACTION REQUIRED</u> 1=NONE 2=CLEAN 3=REPLACE	<u>INLET CONDITION</u> 1=GOOD 2=CLEAN 3=REBUILD	<u>OUTLET CONDITION</u> 1=GOOD 2=CLEAN 3=REBUILD	<u>COMMENTS</u>	<u>HYDRO CAD MODEL</u>	<u>(1) HEIGHT ABOVE FLOOD ELEVATION</u>	<u>EXPECTED FAILURE</u>	<u>CONDITION</u>	<u>CRITICAL ROAD</u>	<u>PRIORITY LEVEL</u>
1209E	Riverside Dr	See Plan	Aug-15	36.0	cmp	57.0	6.4	3	1	1	Bottom of culvert badly rusted.	I	1.5	X	2		H
1209EE	Riverside Dr	See Plan	Aug-15	12.0	hdpe	20.0	5.0	1	1	1	Culvert functioning correctly.						US
1209F	Riverside Dr	See Plan	Aug-15	24.0	cmp	40.0	2.0	1	1	1	Culvert functioning correctly.						US
1209G	Riverside Dr	See Plan	Aug-15	30.0	cmp	30.0	5.0	1	1	1	Culvert functioning correctly.						US
1209H	Sandy River Circle		Aug-15	36.0	cmp	30.0	5.0				Condition Unknown.						US
1209I	Riverside Dr	See Plan	Aug-15	18.0	hdpe	20.0	10.0	1	1	1	Culvert functioning correctly.						US
1209J	Riverside Dr	See Plan	Aug-15	24.0	hdpe	10.0	5.0	1	2	2	Inlet and outlet not visible, heavy sediment.						US
1209JJ	Riverside Dr	See Plan	Aug-15	18.0	cmp	20.0	5.0	1	1	1	Culvert functioning correctly.						US
1209K	Riverside Dr	See Plan	Aug-15	24.0	hdpe	15.0	7.0	1	1	1	Culvert functioning correctly.						US
1209L	Riverside Dr	See Plan	Aug-15	15.0	hdpe	20.0	7.0	1	1	2	Outlet blocked by vegetation.						US
1209M	Riverside Dr	See Plan	Aug-15	24.0	cmp	20.0	5.0	1	1	1	Culvert functioning correctly.						US
1209N	Riverside Dr	See Plan	Aug-15	36.0	cmp	55.0	7.2	1	1	1	Culvert functioning correctly.	I					US
1209O	Riverside Dr	See Plan	Aug-15	24.0	cmp	50.0	4.2	1	1	1	Culvert functioning correctly.	I					US
1209P	Riverside Dr	See Plan	Aug-15	12.0	cmp					1	Inlet not visible. Continuous flow through culvert.						US
1209Q	Riverside Dr	See Plan	Aug-15	15.0	hdpe	30.0	2.0	1	1	1	Culvert functioning correctly.	I	1.2	X			M
1209R	Riverside Dr	See Plan	Aug-15	36.0	cmp	50.0	5.9	1	1	1	Culvert functioning correctly.	I	1.6	X			M

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

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<u>CULVERT NUMBER</u>	<u>ROAD NAME</u>	<u>ROAD STATION</u>	<u>Date Observed</u>	<u>CULVERT SIZE (INCHES)</u>	<u>CULVERT TYPE</u>	<u>APPROX. CULVERT LENGTH (FEET)</u>	<u>APPROX. CULVERT SLOPE (%)</u>	<u>ACTION REQUIRED</u> 1=NONE 2=CLEAN 3=REPLACE	<u>INLET CONDITION</u> 1=GOOD 2=CLEAN 3=REBUILD	<u>OUTLET CONDITION</u> 1=GOOD 2=CLEAN 3=REBUILD	<u>COMMENTS</u>	<u>HYDRO CAD MODEL</u>	<u>(1) HEIGHT ABOVE FLOOD ELEVATION</u>	<u>EXPECTED FAILURE</u>	<u>CONDITION</u>	<u>CRITICAL ROAD</u>	<u>PRIORITY LEVEL</u>
1209S	Riverside Dr	See Plan	Aug-15	15.0	hdpe	20.0	5.0	2	2	2	Culvert 1/2 full of sediment.				1		L
1209SS	Riverside Dr	See Plan	Aug-15	15.0	cmp	40.0	5.0	1	1	1	Culvert functioning correctly.						US
1209T	Riverside Dr	See Plan	Aug-15	12.0	cmp	15.0	5.0	2	2	2	Culvert 1/2 full of sediment.				1		L
1209U	Riverside Dr	See Plan	Aug-15	24.0	hdpe	20.0	7.0	1	1	1	Culvert functioning correctly.						US
1300	Access Road		Aug-15	30.0	cmp	100.0	1.0				Condition Unknown.					Y	US
1301	Access Road		Aug-15	16" x2	cmp	60.0	1.0				Condition Unknown.					Y	US
1303	Boynton Ave		Aug-15	15.0	hdpe	30.0	1.0				Condition Unknown.						US
1304	Elderberry		Aug-15	18.0	hdpe	30.0	1.0				Condition Unknown.			X			M
1305	Baxter Street		Aug-15	16.0	cmp	25.0	1.0				Condition Unknown.						US
1306	Baxter Street		Aug-15	16.0	cmp	30.0	1.0				Condition Unknown.						US
1307	Baxter Street		Aug-15	16.0	hdpe	30.0	1.0				Condition Unknown.	M	2.3	X			M
1308	Boynton Ave		Aug-15	16.0	cmp	30.0	1.0				Condition Unknown.	M					US
1309	Boynton Ave		Aug-15	16.0	cmp	30.0	1.0				Condition Unknown.						US
1901	The Timbers	See Plan	Aug-15	18.0	hdpe	30.0	1.0	1	1	1	Culvert functioning correctly.						US
1902	The Timbers	See Plan	Aug-15	18.0	hdpe	200.0	5.0	1	1	1	Culvert functioning correctly.						US
1903	The Timbers	See Plan	Aug-15	12.0	hdpe	30.0	5.0	1	2	1	Inlet CB filling with sediment.						US

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

TOWN OF CARRABASSETT VALLEY, MAINE
CONDITION OF DRAINAGE INFRASTRUCTURE
 December 2018

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 REBUILD OR REPLACE

CULVERT INVENTORY

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1903A	The Timbers	See Plan	Aug-15	15.0	hdpe	20.0	1.0	1	1	1	Culvert functioning correctly.						US
1904	The Timbers	See Plan	Oct-14	18.0	hdpe	50.0	5.0	1	2	1	Inlet filling with sediment.						US
1905	The Timbers	See Plan	Oct-14	24.0	ads	50.0	7.0	1	2	1	Inlet CB clogged with leaves and debris.						US
1906	The Timbers	See Plan	Oct-14	24.0	ads	60.0	7.0	1	1	1	Culvert functioning correctly.						US
1907	The Timbers	See Plan	Oct-14	24.0	ads	80.0	10.0	1	2	1	Inlet CB clogged with leaves and debris.						US
1908	The Timbers	See Plan	Oct-14	30.0	ads	200.0	10.0	1	1	1	Culvert functioning correctly.						US
1909	The Timbers	See Plan	Oct-14	18.0	hdpe	50.0	5.0	1	1	1	Culvert functioning correctly.						US
1910	The Timbers	See Plan	Oct-14	12.0	hdpe	200.0	10.0	2	2	2	Inlet and outlet 1/2 full of sediment.				1		L
1911	The Timbers	See Plan	Oct-14	12.0	hdpe	200.0	10.0	2	2	2	Outlet not found. Inlet CB filling with sediment.				1		L
1913	Bucksaw	See Plan	Oct-14	24.0	hdpe	200.0	5.0	1	2	1	Inlet filling with sediment.					Y	US
1914	The Timbers	See Plan	Oct-14	36.0	hdpe	40.0	5.0	2	2	2	Inlet crushed and failing. Culvert full of sediment.				1	Y	L
1915	Bucksaw	See Plan	Oct-14	24.0	hdpe	60.0	3.0	1	2	1	Inlet filling with sediment.					Y	US
1916	Bucksaw	See Plan	Oct-14	36.0	hdpe	70.0	5.0	1	2	1	Inlet filling with sediment.	C				Y	US
1917	Bucksaw	See Plan	Oct-14	72.0	cmp	70.0	5.0	1	1	1	Culvert functioning correctly.	C				Y	US
1917A	The Timbers	See Plan	Oct-14	24.0	hdpe	150.0	5.0	1	1	1	Culvert functioning correctly.						US
1918	The Timbers	See Plan	Oct-14	18.0	hdpe	100.0	5.0	1	1	1	Culvert functioning correctly.						US

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1919	The Timbers	See Plan	Oct-14	18.0	hdpe	50.0	5.0	1	2	1	Inlet filling with sediment.						US
1920	The Timbers	See Plan	Oct-14	24.0	hdpe	80.0	2.0	1	1	1	Culvert functioning correctly.						US
1921	The Timbers	See Plan	Oct-14	18.0	hdpe	120.0	2.0	1	1	1	Culvert functioning correctly.						US
1922	The Timbers	See Plan	Oct-14	15.0	hdpe	50.0	5.0	1	1	1	Culvert functioning correctly.						US
1924	The Timbers	See Plan	Oct-14	12.0	hdpe	60.0	1.0	2	2	2	Outlet and inlet CB filling with sediment.				1		L
1925	The Timbers	See Plan	Oct-14	12.0	hdpe	60.0	1.0	2	2	2	Outlet not located. Possibly buried in riprap.				1		L
1926	The Timbers	See Plan	Oct-14	12.0	hdpe	50.0	1.0	1	2	1	Inlet filling with sediment.					Y	US
1926A	The Timbers	See Plan	Oct-14	24.0	hdpe	40.0	1.0	1	1	1	Inlet filling with sediment.						US
1927	The Timbers	See Plan	Oct-14	12.0	hdpe	50.0	1.0	1	1	1	Culvert functioning correctly.						US
1927A	The Timbers	See Plan	Oct-14	12.0	hdpe	100.0	1.0	1	1	1	Culvert functioning correctly.						US
1929	The Timbers	See Plan	Oct-14	24.0	hdpe	75.0	3.0	1	1	1	Culvert functioning correctly.						US
1929A	The Timbers	See Plan	Oct-14	24.0	hdpe	60.0	5.0	2	2	2	Inlet filling with sediment.				1	Y	L
2000	Sandy River Circle		Oct-14								Condition Unknown. Broad-crested weir	I	0.4	X			M
2001	Kennebec Circle		Oct-14	30.0	cmp	60.0	0.7				Condition Unknown.	I	0.2	X			M
2002	Sandy River Circle		Oct-14	30.0	cmp	30.0	0.4				Condition Unknown.	I					US
2003	Riverside Dr		Oct-14	24.0	cmp	60.0	6.1				Condition Unknown.	I	3.2	X	Y		H+

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

TOWN OF CARRABASSETT VALLEY, MAINE

CONDITION OF DRAINAGE INFRASTRUCTURE

December 2018

(1) Height above estimated flood stage predicted by HydroCAD

(2) Expected failure if culvert is overtopped

(3) Condition level: "Blank" - No issues anticipated; "1" - Monitor;

"2" - Replace

HIGHEST (H+) 22

HIGH (H) 10

MEDIUM (M) 88

LOW (L) 110

UNPRIORITIZED STRUCTURE (US) 294

TOTAL 524

GOOD

REQUIRES MAINTENANCE

REBUILD OR REPLACE

CULVERT INVENTORY

CULVERT NUMBER	ROAD NAME	ROAD STATION	Date Observed	CULVERT SIZE (INCHES)	CULVERT TYPE	APPROX. CULVERT LENGTH (FEET)	APPROX. CULVERT SLOPE (%)	ACTION REQUIRED 1=NONE 2=CLEAN 3=REPLACE	INLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	OUTLET CONDITION 1=GOOD 2=CLEAN 3=REBUILD	COMMENTS	HYDRO CAD MODEL	(1) HEIGHT ABOVE FLOOD ELEVATION	EXPECTED FAILURE	CONDITION	CRITICAL ROAD	PRIORITY LEVEL
3000	Town Line Rd		Oct-18	15.0	cmp	40.0	2.0	3	1	2	Outlet 1/2 full water						US
3001	Town Line Rd		Oct-18	15.0	cmp	35.0	2.0	3	1	3	Inlet 1/8 full, Outlet Crushed						US
3002	Town Line Rd		Oct-18	24.0	hdpe	40.0	2.0	1	1	1	Outlet 1/8 full						US
3003	Town Line Rd		Oct-18	15.0	cmp	25.0	2.0	2	2	2	Inlet 1/2 full, Outlet 1/2 full	O	0.6	X	1		M
3004	Town Line Rd		Oct-18	27'x8'	BRIDGE	18.0		1	1	1	wood bridge with steel beams on wood cribbing.						US
3005	Bridge St		Oct-18	15.0	hdpe	35.0		2	2	1	Inlet 1/4 full						US
3006	Bridge St		Oct-18	32.0	cmp	30.0		3	3	1	Inlet, top crushed and 1/4 full	O	0.1	X	1		M
3007	Bridge St		Oct-18	12.0	hdpe	30.0		1	1	1		O					US
3008	Bridge St		Oct-18	12.0	hdpe	15.0		1	1	1							US
3009	Bridge St		Oct-18	23'x9'	BRIDGE	18.0					wood bridge with steel beams on waste concrete blocks.						US
3010	Town Line Rd		Oct-18	15.0	hdpe	40.0	4.0	1	1	1							US
3011	Town Line Rd		Oct-18	12.0	hdpe	23.0	2.0	1	1	1							US
3012	Town Line Rd		Oct-18	15.0	hdpe	40.0	3.0	1	1	1							US
3013	Town Line Rd		Oct-18	8.0	hdpe	15.0	2.0	1	1	1							US
3014	Town Line Rd		Oct-18	6.0	hdpe	45.0	2.0	1	1	1							US
3100	Fir Ave		Oct-18	15.0	hdpe	40.0		1	1	1		O					US

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

TOWN OF CARRABASSETT VALLEY, MAINE

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<u>CULVERT NUMBER</u>	<u>ROAD NAME</u>	<u>ROAD STATION</u>	<u>Date Observed</u>	<u>CULVERT SIZE (INCHES)</u>	<u>CULVERT TYPE</u>	<u>APPROX. CULVERT LENGTH (FEET)</u>	<u>APPROX. CULVERT SLOPE (%)</u>	<u>ACTION REQUIRED</u> 1=NONE 2=CLEAN 3=REPLACE	<u>INLET CONDITION</u> 1=GOOD 2=CLEAN 3=REBUILD	<u>OUTLET CONDITION</u> 1=GOOD 2=CLEAN 3=REBUILD	<u>COMMENTS</u>	<u>HYDRO CAD MODEL</u>	<u>(1) HEIGHT ABOVE FLOOD ELEVATION</u>	<u>EXPECTED FAILURE</u>	<u>CONDITION</u>	<u>CRITICAL ROAD</u>	<u>PRIORITY LEVEL</u>
3101	Fir Ave		Oct-18	12.0	hdpe	?		2	2	2	Inlet 1/2 full, Outlet burried						US
3102	Fir Ave		Oct-18	15.0	cmp	25.0		2	3	2	Inlet crushed and 3/4 full, Outlet 2/3 full						US
3103	Fir Ave		Oct-18	15.0	cmp	30.0	3.0	1	1	1		O	0.2	X	1		M
3104	Fir Ave		Oct-18	12.0	cmp	45.0	2.0	3	3	2	Inlet smashed with rock through pipe, Outlet 3/4 full				1		L
3105	Fir Ave		Oct-18	15.0	cmp	35.0	1.0	1	1	1		O	0.2	X	1		M
3106	Fir Ave		Oct-18	22.0	cmp	25.0	2.0	1	1	1	Inlet 1/4 full	O	0.4	X	1		M
3200	Ridge Rd.		Oct-18	15.0	cmp	30.0	2.0	1	1	1							US
3201	Ridge Rd.		Oct-18	12.0	pvc	25.0	1.0	1	1	1							US
3202	Ridge Rd.		Oct-18	15.0	cmp	45.0	2.0	2	1	2	Inlet 1/4 full, Outlet 1/3 full	O	0.1	X	1		M
3203	Ridge Rd.		Oct-18	15.0	hdpe	70.0		2	2	2	Outlet 1/2 full, Inlet Burried (not found)						US
3204	Ridge Rd.		Oct-18	15.0	cmp	45.0	2.0	2	1	2	Burried Outlet	O					US
3205	Ridge Rd.		Oct-18	15.0	cmp	60.0	2.0	2	2	2	Inlet 1/4 full, Outlet 1/2 full	O	0.1	X	1		M
3206	Ridge Rd.		Oct-18	15.0	cmp	30.0	2.0	2	2	1	Inlet 90% full, Outlet 10% full						US
3300	Cedar St		Oct-18	12.0	cmp	25.0	1.0	2	2	2	Inlet 1/4 full, Outlet 1/4 full						US
3301	Cedar St		Oct-18	12.0	hdpe	30.0	2.0	1	1	1	Inlet 1/8 full						US
3302	Cedar St		Oct-18	15.0	cmp	50.0		2	2	2	Inlet 1/2 full, Outlet 1/2 full						US

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3400	Spruce Dr		Oct-18	15.0	hdpe	50.0	2.0	2	2	2	Inlet 1/2 full, Outlet 1/2 full						US
3401	Spruce Dr		Oct-18	15.0	cmp	40.0		2	1	2	Tall grass growing at Inlet, Outlet 1/2 full	O	0.1	X	1		M
3402	Spruce Dr		Oct-18	12.0	cmp	20.0		3	2	3	Inlet 1/2 full, Outlet 1/2 crushed and 1/2 full				1		L
3403	Spruce Dr		Oct-18	15.0	cmp	60.0		2	2	2	Inlet 1/4 full, Outlet 1/2 full						US
3500	Bracket Brook		Oct-18	15.0	hdpe	35.0		1	1	1		O	0.4	X	1		M
3501	Bracket Brook		Oct-18	15.0	cmp	45.0		1	1	1							US
3502	Bracket Brook		Oct-18	12.0	cmp	50.0		3	3	1	Crushed and Burrier inlet	O	0.1	1	1		L
3503	Bracket Brook		Oct-18	15.0	cmp	33.0		1	1	1							US
3504	Bracket Brook		Oct-18	12.0	hdpe	20.0		2	2	2	Inlet 1/4 full, Outlet 3/4 full						US
3505	Bracket Brook		Oct-18	12.0	cmp	20.0		2	2	2	Inlet 1/4 full, Outlet 2/3 full						US
3506	Bracket Brook		Oct-18	18.0	cmp	40.0		2	1	2	Outlet 1/4 full	O	0.2	X	1		M
3507	Bracket Brook		Oct-18	18.0	1 cmp, 0 hdpe	45.0		1	1	1							US
3508	Bracket Brook		Oct-18	24.0	cmp	25.0		1	1	1							US
3509	Bracket Brook		Oct-18	15.0	cmp	40.0		2	2	2	Inlet 1/2 full, Outlet 1/2 full						US
3510	Bracket Brook		Oct-18	15.0	cmp	35.0		2	2	2	Inlet 1/2 full, Outlet rotted and 1/2 full						US
3600	Alpine St		Oct-18	15.0	cmp	20.0	2.0	3	3	1	Inlet blocked and crushed by rock				1		L

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3601	Alpine St		Oct-18	6.0	pvc	20.0	2.0	2	2	1	Inlet 1/4 full, Fabric on Inlet pipe						US
3602	Bracket Brook		Oct-18	24.0	cmp	30.0	3.0	2	2	2	Inlet 1/2 full water, Outlet 1/2 full water						US
3603	Bracket Brook		Oct-18	15.0	cmp	30.0	3.0	2	2	2	Inlet 1/2 full and rock blockage, Outlet 1/2 full						US
3604	Bracket Brook		Oct-18	24.0	cmp	30.0	2.0	2	2	2	Inlet 1/4 full water, Outlet 1/3 full water	O	0.5	X	1		M
3605	Bracket Brook		Oct-18	12.0	hdpe	40.0	2.0	1	1	1							US
3607	Twin Brook Rd		Oct-18	15.0	cmp	35.0		1	1	1	Outlet 1/5 full						US
3608	Twin Brook Rd		Oct-18	24.0	cmp	35.0		3	1	3	Top of outlet bent down, Major erosion at outfall				1		L
3609	Twin Brook Rd		Oct-18	24.0	hdpe	35.0		1	1	1	Inlet approx. 1'-2' higher than 48" pipes	O					US
3609			Oct-18	48.0	hdpe	35.0		1	1	1							US
3609			Oct-18	48.0	cmp	35.0		1	1	1							US
3610	Twin Brook Rd		Oct-18	24.0	cmp	30.0		1	1	1							US
3611	Twin Brook Rd		Oct-18	24.0	cmp	60.0		1	1	1							US
3612	Twin Brook Rd		Oct-18	24.0	cmp	30.0		1	1	1		O					US
3613	Twin Brook Rd		Oct-18	15.0	cmp	40.0		1	1	1							US
3614	Twin Brook Rd		Oct-18	24.0	cmp	40.0		2	1	2	outlet 1/4 full	O					US
3615	Twin Brook Rd		Oct-18	12.0	hdpe	30.0		2	2	2	Inlet 1/4 full, Outlet 3/4 full						US

SUGARLOAF MOUNTAIN WATERSHED ANALYSIS

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3616	Twin Brook Rd		Oct-18	12.0	hdpe	35.0		2	2	1	Inlet 1/4 full						US
3617	Twin Brook Rd		Oct-18	24.0	cmp	35.0		2	2	2	Inlet 1/4 full, Outlet 1/3 full						US
3618	Twin Brook Rd		Oct-18	24.0	hdpe	35.0		1	1	1	Inlet of 24" is 1'-2' higher than 48" pipes	O					US
3618			Oct-18	48.0	cmp	35.0		1	1	1							US
3618			Oct-18	48.0	hdpe	35.0		1	1	1							US
3619	Twin Brook Rd		Oct-18	15.0	hdpe	35.0		2	2	1	Inlet 1/4 full	O					US
3620	Twin Brook Rd		Oct-18	24.0	hdpe	35.0		1	1	1	CHECK IN SPRING FOR STREAM OVERFLOWING TO 3618 AND 3619.						US
3621	Twin Brook Rd		Oct-18	24.0	cmp	35.0		2	1	2	Outlet 1/4 full						US
3622	Twin Brook Rd		Oct-18	12.0	hdpe	20.0		1	1	1							US
3623	Twin Brook Rd		Oct-18	24.0	cmp	30.0		1	1	1							US
3700	Carrabassett Dr		Oct-18	24.0	hdpe	40.0	3.0	2	2	2	Inlet full, Outlet 3/4 full, Outlet ditch full of sediment						US
3701	Carrabassett Dr		Oct-18	15.0	cmp	65.0		1	1	1	Inlet, invert 8' below road, 40' shoulder to bank(level), 1' btm	O					US
3702	Carrabassett Dr		Oct-18	15.0	hdpe	30.0		2	2	2	Inlet 1/2 full, Outlet 1/4 full						US
3703	Carrabassett Dr		Oct-18	12.0	cmp	45.0		2	2	2	Inlet and Outlet 3/4 full	O	0.1	X	1		M
3704	Carrabassett Dr		Oct-18	12.0	cmp	55.0		3	3	2	Inlet crushed, Outlet 1/2 full				1		L
3705	Carrabassett Dr		Oct-18	15.0	cmp	35.0		1	1	1							US

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3706	Carrabassett Dr		Oct-18	15.0	cmp	65.0		2	2	1	Inlet 1/2 full	O	0.4	X	1		M
3707	Carrabassett Dr		Oct-18	24.0	hdpe	70.0		2	1	2	Outlet 3/4 full water	O	0.4	X	1		M
3708	Carrabassett Dr		Oct-18	15.0	cmp	60.0		2	2	3	Inlet 3/4 full and crushed, Outlet 3/4 full						US