

Appendix
Ompompanoosuc Watershed
Phase I DMS Reports

Phase 1 - Step 1. Reach Locations

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

Reach ID	Stream Name	Excluded?	Towns	Description
R01	Ompompanosuc River		Norwich	Reach begins at confluence with the Connecticut River and continues for about 4,600 feet until valley becomes more confined.
R02	Ompompanosuc River		Norwich	Reach begins about 970 feet downstream of Rt 132 bridge and continues until about 520 feet upstream of bridge.
R03	Ompompanosuc River		Norwich	Reach begins about 520 feet upstream of Rt 132 bridge and continues 4581 feet until valley becomes more confined.
R04	Ompompanosuc River		Norwich	Reach begins where valley becomes more confined and continues another 3,299 feet until valley opens up again.
R05	Ompompanosuc River		Norwich, Thetford	Reach begins where valley opens up and continues 4,705 feet until about 150 downstream of covered bridge.
R06	Ompompanosuc River		Thetford	Reach begins about 150 feet downstream of covered bridge in Union Village and continues until Union Village Dam.
R06S1.01	Avery Brook		Thetford	Reach begins at confluence with the Ompompanosuc River and continues 1,093 feet until valley becomes more confined.
R06S1.02	Avery Brook		Thetford	Reach begins about 775 feet downstream of Rt 132 bridge and continues until about 1,300 feet upstream of bridge.
R06S1.02S1.01	Tributary 1 to Avery Brook		Thetford	Reach begins at confluence with Avery Brook and continues 363 feet.
R06S1.02S1.02	Tributary 1 to Avery Brook		Thetford	Reach begins about 360 feet upstream of the confluence with Avery Brook and continues 1,424 feet until valley becomes less confined.
R06S1.02S1.03	Tributary 1 to Avery Brook		Thetford	Reach begins where valley becomes less confined and continues 4,026 feet until slope and confinement increases.
R06S1.02S1.04	Tributary 1 to Avery Brook		Thetford	Reach begins where there is an increase in slope and continues until wetland area.
R06S1.02S1.05	Tributary 1 to Avery Brook	Impounded	Thetford	
R06S1.02S1.06	Tributary 1 to Avery Brook		Thetford	Reach begins where the wetland area ends and continues another 1,044 feet.
R06S1.02S1.07	Tributary 1 to Avery Brook		Thetford	Reach begins where there is a decrease in slope and continues until Norford Lake.
R06S1.02S1.08	Tributary 1 to Avery Brook	Impounded	Thetford	
R06S1.02S1.09	Tributary 1 to Avery Brook		Norwich, Thetford	Reach begins at the inlet to Norford Lake and continues just over 1 mile.
R06S1.03	Avery Brook		Norwich, Thetford	Reach begins just upstream of the tributary and continues 1,193 feet until there is a decrease in slope.
R06S1.04	Avery Brook		Norwich	Reach begins where slope decreases and continues until about 950 feet upstream of tributary entering on the right bank.
R06S1.05	Avery Brook		Norwich	Reach begins about 2,100 feet downstream of Norford Lake Rd. bridge and continues until about 2,460 feet upstream of bridge at pond outlet.
R06S1.06	Avery Brook	Impounded	Norwich	
R06S1.07	Avery Brook		Norwich	Reach begins at pond inlet and continues until end of stream.
R07	Ompompanosuc River	Impounded	Thetford	
R07T1.01	West Branch Ompompanosuc River	Not Assessed	Chelsea, Strafford, Thetford, Vershire	
R08	Ompompanosuc River		Thetford	Reach begins just upstream of the confluence with the West Branch and continues until about 670 feet downstream of tributary that enters on the right bank.
R09	Ompompanosuc River		Thetford	Reach begins about 670 feet downstream of a tributary that enters on the right bank and continues through a wider valley 1,765 feet.
R10	Ompompanosuc River		Thetford	Reach begins where stream becomes more confined and continues until about 100 feet upstream of Tucker Hill Rd. bridge.

Phase 1 - Step 1. Reach Locations

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

R11	Ompompanosuc River		Thetford	Reach begins about 100 feet upstream of Tucker Hill Rd. bridge and continues along Rt 113 until just downstream of Sawnee Bean Rd. crossing.
R12	Ompompanosuc River		Thetford	Reach begins just upstream of Sawnee Bean Rd. crossing and continues until confluence with Barker Brook.
R12S1.01	Barker Brook		Thetford	Reach begins at confluence with Ompompanosuc River and continues 1,131 feet until slope increases.
R12S1.02	Barker Brook		Thetford	Reach begins where slope increases and continues until small pond.
R12S1.03	Barker Brook	Impounded	Thetford	
R12S1.04	Barker Brook		Thetford	Reach begins just upstream from onstream pond and continues for another 1,500 feet upstream of Barker Road.
R12S1.05	Barker Brook		Thetford	Reach begins 1,500 feet upstream of Barker Road and continues 1,632 feet along Sawnee Bean Road.
R12S1.06	Barker Brook		Thetford	Reach continues along Sawnee Bean Road until about 100 feet downstream of Sawnee Bean Road bridge.
R12S1.07	Barker Brook		Thetford	Reach begins about 100 feet downstream of Sawnee Bean Road bridge where valley opens up and continues 1,608 feet until stream becomes more confined.
R12S1.08	Barker Brook		Stratford, Thetford	Reach begins where stream becomes more confined and continues until headwaters.
R13	Ompompanosuc River		Thetford	Reach begins just upstream of confluence with Barker Brook and continues for 3,216 feet until river becomes more confined.
R14	Ompompanosuc River		Thetford	Reach begins where river becomes somewhat more confined and continues until about 950 feet downstream of Rt 113 bridge in Post Mills.
R15	Ompompanosuc River		Thetford	Reach begins about 950 feet downstream of Rt 113 bridge in Post Mills and continues until about 440 feet upstream of bridge.
R16	Ompompanosuc River		Thetford	Reach begins about 440 feet upstream of Rt 113 bridge in Post Mills and continues until the confluence of the reach that flows from the outlet of Lake Fairlee.
R16T2.01	Blood Brook		Thetford	Reach begins at confluence with the Ompompanosuc River and continues until about 1600 feet downstream of Lake Fairlee.
R16T2.02	Blood Brook		Thetford	Reach begins 1,632 feet downstream from Lake Fairlee and continues until Lake Fairlee.
R16T2.03	Blood Brook	Impounded	Fairlee, Thetford, West Fairlee	
R16T2.03S1.01	Middle Brook		West Fairlee	Reach begins at inlet to Lake Fairlee (at Rt 244) where the reach is more like a wetland and then continues 10,128 feet.
R16T2.03S1.02	Middle Brook		West Fairlee	Reach begins 4,349 feet downstream of onstream pond and continues until the pond, which is 300 feet upstream of Middle Brook Rd. bridge.
R16T2.03S1.03	Middle Brook	Impounded	West Fairlee	
R16T2.03S1.04	Middle Brook	Impounded	West Fairlee	
R16T2.03S1.05	Middle Brook	Impounded	West Fairlee	
R16T2.03S1.06	Middle Brook		West Fairlee	Reach begins where wetland area ends and continues until just upstream (250 feet) from Marsh Hill Road crossing.
R16T2.03S1.07	Middle Brook		West Fairlee	Reach begins about 250 feet upstream from Marsh Hill Rd crossing and continues until on-stream pond.
R16T2.03S1.08	Middle Brook	Impounded	West Fairlee	
R16T2.03S1.09	Middle Brook		West Fairlee	Reach begins at inlet to small on-stream pond and continues to about 200 feet downstream of Scrutton Hill Rd. crossing.
R16T2.03S1.10	Middle Brook		West Fairlee	Reach begins about 200 feet downstream from Scrutton Hill Rd. crossing and continues until next on-stream pond.

Phase 1 - Step 1. Reach Locations

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

R16T2.03S1.11	Middle Brook	Impounded	West Fairlee	
R16T2.03S1.12	Middle Brook		West Fairlee	Reach begins at inlet to on-stream pond and continues until stream becomes slightly more confined.
R16T2.03S1.13	Middle Brook		West Fairlee	Reach begins 1,358 upstream of onstream pond and continues 2,228 feet until stream becomes greater in slope and confinement.
R16T2.03S1.14	Middle Brook		West Fairlee	Reach begins where steam becomes greater in slope and confinement and continues 1,954 feet until slope increases more.
R16T2.03S1.15	Middle Brook		West Fairlee	Reach begins where slope increases and continues for 940 feet until the headwaters.
R16T2.04	Blood Brook		Fairlee, West Fairlee	Reach begins about 750 feet downstream of Rt 244 bridge where the inlet to Lake Fairlee is and continues until 900 feet upstream of King Hill Rd crossing.
R16T2.05	Blood Brook		West Fairlee	Reach begins 900 feet upstream of King Hill Rd crossing and continues until just upstream of Marsh Hill Rd.
R16T2.06	Blood Brook		West Fairlee	Reach begins just upstream from Marsh Hill Rd. crossing and continues 6,762 feet until confinement and slope increases.
R16T2.07	Blood Brook		West Fairlee	Reach begins where slope and confinement increases and continues 1,586 feet.
R16T2.08	Blood Brook		West Fairlee	Reach begins 1,500 feet downstream of Blood Brook Rd. and continues 1,800 feet upstream of Blood Brook Rd.
R16T2.09	Blood Brook		West Fairlee	Reach begins 1,800 feet upstream of Blood Brook Rd. and continues 1,957 feet until end of stream.
R17	Ompompanosuc River		Thetford	Reach begins at confluence with Blood Brook (Lake Fairlee outlet) and continues 1270 downstream of Cross Rd.
R18	Ompompanosuc River		Thetford, West Fairlee	Reach begins at 1,270 feet downstream of Cross Rd. and continues until confluence with unnamed tributary.
R18T3.01	Tributary 3 to Ompompanosuc River		West Fairlee	Reach begins at confluence with Ompompanosuc and continues 500 feet upstream of Rt 113 bridge.
R18T3.02	Tributary 3 to Ompompanosuc River		West Fairlee	Reach begins 500 feet upstream of Rt 113 and continues 3,242 feet until stream becomes more confined about 1,700 feet downstream of Beanville Rd. bridge.
R18T3.03	Tributary 3 to Ompompanosuc River		Vershire, West Fairlee	Reach begins 1,700 feet downstream of Beanville Rd. bridge and continues 4,460 feet until 1,100 feet upstream of next bridge (S. Vershire Rd.).
R18T3.04	Tributary 3 to Ompompanosuc River		Vershire	Reach begins 1,100 feet upstream of S. Vershire Rd. bridge and continues 2,374 feet, 600 feet downstream of Mero Rd. crossing.
R18T3.05	Tributary 3 to Ompompanosuc River		Vershire	Reach begins about 600 feet downstream of Mero Rd. crossing and continues to right near the intersection of Parker Rd. and S. Vershire Rd.
R18T3.06	Tributary 3 to Ompompanosuc River		Vershire	Reach begins near the intersection of Parker Rd. and S. Vershire Rd. and continues until about 1,450 feet upstream of S. Vershire Rd. crossing just before Eastman Cross Rd.
R18T3.07	Tributary 3 to Ompompanosuc River		Vershire	Reach begins 1,450 feet upstream of S. Vershire Rd. crossing and continues until about 1,250 feet upstream of Vershire Center Rd. crossing.
R18T3.08	Tributary 3 to Ompompanosuc River		Vershire	Reach begins 1,250 feet upstream of Vershire Center Rd. crossing and continues until the end of the stream.
R19	Ompompanosuc River		West Fairlee	Reach begins at confluence with unnamed tributary in West Fairlee and continues for 6,161 feet along Rt 113.
R20	Ompompanosuc River		West Fairlee	Reach begins where river bevomes slightly more confined and continues along Rt 113 for another 3,812 feet.
R21	Ompompanosuc River		Vershire, West Fairlee	Reach begins just downsteam (600 feet) of where reach is right next to Rt 113 and continues until just 240 feet upstream of Rt 113 bridge.
R22	Ompompanosuc River		Vershire	Reach begins 240 feet upstream of Rt 113 bridge in Brimstone Corner and continues until 930 feet upstream of next Rt 113 bridge.
R23	Ompompanosuc River		Vershire	Reach begins about 930 feet upstream of Rt 113 bridge and continues along Rt 113 for 4,962 feet until reach becomes slightly more confined.
R24	Ompompanosuc River		Vershire	Reach follows along Rt 113 very closely and begins about 1,230 feet downstream of another Rt 113 bridge and continues until about 1,480 feet upstream of that bridge.

Phase 1 - Step 1. Reach Locations

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

R25	Ompompanosuc River		Vershire	Reach begins about 1,480 feet upstream of Rt 113 bridge and continues until about 1,150 feet upstream of where unnamed tributary enter on the right bank near Mill Village at Ricker BRidge Rd. crossing.
R26	Ompompanosuc River		Vershire	Reach begins where river is right next to the road and continues until about 400 feet upstream of Vershire Center Rd. crossing.
R27	Ompompanosuc River		Vershire	Reach begins about 400 feet upstream of Vershire Center Rd. crossing and continues 2,497 feet until valley opens up more.
R28	Ompompanosuc River		Vershire	Reach begins where valley opens up (about 2,400 feet downstream of Brown Rd. crossing) and continues until about 2,500 feet upstream of Brown Rd. crossing.
R29	Ompompanosuc River		Vershire	Reach begins about 2,500 feet upstream of Brown Rd. crossing where reach becomes more confined and continues 1,700 feet until on-stream pond.
R30	Ompompanosuc River	Impounded	Vershire	
R31	Ompompanosuc River		Vershire	Reach begins at inlet to on-stream pond and continues 1,600 feet until next on-stream pond.
R32	Ompompanosuc River	Impounded	Vershire	
R33	Ompompanosuc River		Vershire	Reach begins at inlet to on-stream pond and continues until about 170 feet upstream of culvert at Rt 113 crossing.
R34	Ompompanosuc River	Impounded	Vershire	
M01	West Branch Ompompanosuc		Thetford	
M02	West Branch Ompompanosuc		Thetford	
T1.01	Abbott Brook		Strafford, Thetford	
T1.02	Abbott Brook		Strafford	
T1.03	Abbott Brook		Strafford	
T1.S1.01	Unnamed Tributary		Strafford	
T1.S2.01	Unnamed Tributary		Strafford	
T1.S2.02	Unnamed Tributary	Impounded	Strafford	

Phase 1 - Step 2. Preliminary Reference Stream Type

Basin: Waits, Ompompanosuc, Stevens, Wells

Watershed: Middle Northern Connecticut River

Sub-watershed: Ompompanosuc River

Step	2.1		2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	2.1	2.11		
Reach ID	Elevation		Valley Length (ft.)	Valley Slope (%)	Channel Length (ft.)	Channel Slope (%)	Sinuosity	Watershed Area (sq. mi.)	Channel Width (ft.)	Valley Width (ft.)	Confinement Ratio	Type	Reference	Bedform
	Up (ft.)	Down (ft.)											Stream Type	Bedform
R01	394	393	4398	0.02	4629	0.02	1.05	136.91	114.1	1369	12	VB	E	Dune-Ripple
R02	396	394	1507	0.13	1516	0.13	1.01	135.71	113.7	526	4.6	NW	E	Dune-Ripple
R03	397	396	3607	0.03	4581	0.02	1.27	135.58	113.6	1271	11.2	VB	C	Riffle-Pool
R04	400	397	3098	0.1	3299	0.09	1.06	133.44	112.8			SC	B	Riffle-Pool
R05	415	400	4434	0.34	4705	0.32	1.06	132.04	112.3	877	7.8	BD	C	Riffle-Pool
R06	420	415	2311	0.22	2320	0.22	1	130.69	111.8	250	2.2	SC	B	Plane Bed
R06S1.01	440	416	864	2.78	1093	2.2	1.27	5.04	26.7	310	11.6	VB	C	Riffle-Pool
R06S1.02	570	460	2113	5.21	2142	5.14	1.01	5	26.6	100	3.8	SC	B	Step-Pool
R06S1.02S1.01	580	570	354	2.82	363	2.75	1.03	2.01	17.8			NW	B	Plane Bed
R06S1.02S1.02	660	580	1336	5.99	1424	5.62	1.07	2	17.8			NC	A	Step-Pool
R06S1.02S1.03	735	660	3389	2.21	4026	1.86	1.19	1.94	17.5	404	23.1	VB	C	Riffle-Pool
R06S1.02S1.04	822	735	1451	6	1484	5.86	1.02	1.68	16.5	70	4.3	NW	B	Step-Pool
R06S1.02S1.06	930	862	1001	6.79	1044	6.51	1.04	1.23	14.3	70	4.9	NW	B	Riffle-Pool
R06S1.02S1.07	982	930	2948	1.76	3331	1.56	1.13	1.16	14	175	12.5	VB	E	Dune-Ripple
R06S1.02S1.09	1339	995	5925	5.81	6239	5.51	1.05	0.71	11.2	200	17.8	VB	C	Riffle-Pool
R06S1.03	665	570	1188	8	1193	7.96	1	2.88	20.9			NC	A	Cascade
R06S1.04	829	665	6225	2.63	6654	2.46	1.07	2.77	20.5			SC	B	Plane Bed
R06S1.05	1062	829	4238	5.5	4577	5.09	1.08	0.58	10.3	48	4.6	NW	B	Riffle-Pool
R06S1.07	1135	1077	1358	4.27	1384	4.19	1.02	0.17	6			SC	B	Step-Pool
R08	475	430	5797	0.78	6146	0.73	1.06	64.82	82.1			NW	B	Step-Pool
R09	490	475	1597	0.94	1765	0.85	1.11	64.1	81.7	966	11.8	VB	C	Riffle-Pool
R10	550	490	4604	1.3	4950	1.21	1.08	62.91	81	350	4.3	NW	C	Riffle-Pool
R11	570	550	6768	0.3	10158	0.2	1.5	61.11	80	1237	15.5	VB	E	Dune-Ripple
R12	595	570	3059	0.82	3149	0.79	1.03	57.58	77.9	150	1.9	NC	B	Riffle-Pool
R12S1.01	640	595	995	4.52	1131	3.98	1.14	2.11	18.2			NW	B	Step-Pool
R12S1.02	685	640	765	5.88	843	5.34	1.1	2.08	18.1			NC	A	Step-Pool
R12S1.04	860	695	3729	4.42	4176	3.95	1.12	2.06	18	75	4.2	NW	B	Step-Pool
R12S1.05	920	860	1573	3.81	1632	3.68	1.04	1.48	15.6	325	20.9	VB	C	Step-Pool
R12S1.06	1160	920	3881	6.18	3986	6.02	1.03	1.33	14.9	70	4.7	NW	B	Step-Pool
R12S1.07	1200	1160	1414	2.83	1608	2.49	1.14	0.3	7.7	573	74.4	VB	C	Riffle-Pool

Phase 1 - Step 2. Preliminary Reference Stream Type

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

Step	2.1		2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	2.1	2.11		
	Elevation		Valley	Valley	Channel	Channel	Sinuosity	Watershed	Channel	Valley	Confinement	Reference	Stream	Bedform
Reach ID	Up	Down	Length	Slope	Length	Slope		Area	Width	Width	Ratio			
	(ft.)	(ft.)	(ft.)	(%)	(ft.)	(%)	(sq. mi.)	(ft.)	(ft.)	(ft.)				
R12S1.08	1319	1200	1792	6.64	1847	6.44	1.03	0.16	5.8		NC	A	Cascade	
R13	610	595	3091	0.49	3216	0.47	1.04	54.85	76.3	450	5.9 NW	C	Riffle-Pool	
R14	642	610	6734	0.48	7281	0.44	1.08	54.57	76.1		SC	B	Plane Bed	
R15	645	642	1427	0.21	1448	0.21	1.01	53.12	75.2	370	4.9 NW	C	Riffle-Pool	
R16	650	645	1355	0.37	1391	0.36	1.03	52.99	75.1	672	8.9 BD	C	Riffle-Pool	
R16T2.01	670	650	3358	0.6	6676	0.3	1.99	20.85	49.9	1742	34.9 VB	E	Dune-Ripple	
R16T2.02	675	670	1382	0.36	1632	0.31	1.18	20.44	49.4	1611	32.6 VB	E	Dune-Ripple	
R16T2.03S1.01	690	679	6361	0.17	10128	0.11	1.59	10.59	37	886	23.9 VB	E	Dune-Ripple	
R16T2.03S1.02	700	690	3092	0.32	4349	0.23	1.41	9.93	36	802	22.3 VB	E	Dune-Ripple	
R16T2.03S1.06	740	714	4690	0.55	6790	0.38	1.45	7.09	31	712	23 VB	C	Riffle-Pool	
R16T2.03S1.07	789	740	3038	1.61	3579	1.37	1.18	3.66	23.2	554	23.9 VB	C	Riffle-Pool	
R16T2.03S1.09	822	790	1895	1.69	1967	1.63	1.04	2.75	20.5	417	20.4 VB	C	Riffle-Pool	
R16T2.03S1.10	902	822	2787	2.87	2788	2.87	1	1.88	17.3	376	21.8 VB	C	Riffle-Pool	
R16T2.03S1.12	950	910	1262	3.17	1358	2.95	1.08	0.82	12	384	32 VB	C	Riffle-Pool	
R16T2.03S1.13	985	950	2183	1.6	2228	1.57	1.02	0.75	11.5	340	29.5 VB	C	Riffle-Pool	
R16T2.03S1.14	1100	985	1875	6.13	1941	5.92	1.04	0.38	8.6		NC	A	Step-Pool	
R16T2.03S1.15	1240	1100	881	15.89	941	14.88	1.07	0.14	5.6		NC	A	Cascade	
R16T2.04	690	676	1913	0.73	2754	0.51	1.44	3.49	22.7	763	33.6 VB	E	Dune-Ripple	
R16T2.05	745	690	5781	0.95	7718	0.71	1.34	3.35	22.3	722	32.4 VB	C	Riffle-Pool	
R16T2.06	900	745	5885	2.63	6762	2.29	1.15	2.17	18.4	552	30 VB	C	Riffle-Pool	
R16T2.07	960	900	1421	4.22	1586	3.78	1.12	0.54	10		SC	B	Step-Pool	
R16T2.08	1200	960	3241	7.41	3448	6.96	1.06	0.5	9.6	75	7.8 BD	B	Riffle-Pool	
R16T2.09	1535	1200	1901	17.62	1957	17.12	1.03	0.09	4.4		NC	A	Cascade	
R17	675	650	5588	0.45	6824	0.37	1.22	32.07	60.2	2458	40.8 VB	C	Dune-Ripple	
R18	695	675	4657	0.43	5372	0.37	1.15	30.73	59.1	739	12.5 VB	C	Riffle-Pool	
R18T3.01	730	695	2188	1.6	2307	1.52	1.05	9.89	35.9	834	23.2 VB	C	Riffle-Pool	
R18T3.02	825	730	3072	3.09	3242	2.93	1.06	9.64	35.5	476	13.4 VB	C	Riffle-Pool	
R18T3.03	950	825	4017	3.11	4460	2.8	1.11	9.25	34.9	240	6.9 BD	C	Riffle-Pool	
R18T3.04	1010	950	2141	2.8	2374	2.53	1.11	6.06	29	380	13.1 VB	C	Riffle-Pool	
R18T3.05	1070	1010	1696	3.54	1731	3.47	1.02	5.48	27.7	195	7 BD	C	Step-Pool	

Phase 1 - Step 2. Preliminary Reference Stream Type

Basin: Waits, Ompompanosuc, Stevens, Wells

Watershed: Middle Northern Connecticut River

Sub-watershed: Ompompanosuc River

Step	2.1		2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	2.1	2.11	
	Elevation		Valley	Valley	Channel	Channel	Sinuosity	Watershed	Channel	Valley	Confinement	Reference	Stream
Reach ID	Up	Down	Length	Slope	Length	Slope		Area	Width	Width	Ratio		
	(ft.)	(ft.)	(ft.)	(%)	(ft.)	(%)	(sq. mi.)	(ft.)	(ft.)	(ft.)			
R18T3.06	1300	1070	5538	4.15	6036	3.81	1.09	2.69	20.2	85	4.2 NW	B	Step-Pool
R18T3.07	1440	1300	3146	4.45	3340	4.19	1.06	1.15	13.9	450	32.3 VB	C	Riffle-Pool
R18T3.08	1845	1440	3897	10.39	4115	9.84	1.06	0.46	9.3		NC	A	Cascade
R19	735	695	5416	0.74	6161	0.65	1.14	19.61	48.5	695	14.3 VB	C	Riffle-Pool
R20	753	735	3425	0.53	3812	0.47	1.11	19.09	48	517	10.8 VB	C	Riffle-Pool
R21	780	753	4085	0.66	5358	0.5	1.31	18.58	47.4	864	18.2 VB	C	Riffle-Pool
R22	799	780	3226	0.59	3439	0.55	1.07	14.56	42.6	559	13.1 VB	C	Riffle-Pool
R23	879	799	4610	1.74	4962	1.61	1.08	14.26	42.2	410	9.7 BD	C	Riffle-Pool
R24	933	879	2619	2.06	2802	1.93	1.07	12.69	40.1	200	5 NW	B	Step-Pool
R25	1040	933	4414	2.42	5178	2.07	1.17	10.53	36.9	479	13 VB	C	Step-Pool
R26	1222	1040	7278	2.5	7837	2.32	1.08	7.5	31.8	447	14.1 VB	C	Step-Pool
R27	1300	1222	2245	3.47	2497	3.12	1.11	4.3	24.9	108	4.3 NW	B	Step-Pool
R28	1400	1300	4662	2.15	5460	1.83	1.17	3.12	21.6	583	27 VB	C	Riffle-Pool
R29	1462	1400	1606	3.86	1700	3.65	1.06	1.32	14.8		SC	B	Step-Pool
R31	1537	1465	1586	4.54	1602	4.49	1.01	0.79	11.8		NC	A	Step-Pool
R33	1650	1540	863	12.75	879	12.51	1.02	0.49	9.5		VB	C	Riffle-Pool
M01	560	430	11533	1.13	12493	1.04	1.08	60.03	79.4	513	6.5 BD	C	Riffle-Pool
M02	690	560	7332	1.77	7547	1.72	1.03	56.46	77.3	509	6.6 BD	C	Riffle-Pool
T1.01	950	700	10472	2.39	12334	2.03	1.18	9.14	34.7	208	6 NW	C	Riffle-Pool
T1.02	1230	950	9434	2.97	10329	2.71	1.09	4.56	25.5	110	4.3 NW	B	Step-Pool
T1.03	1810	1230	9380	6.18	9947	5.83	1.06	1.56	15.9	78	4.9 NW	C	Riffle-Pool
T1.S1.01	1730	950	13840	5.64	15020	5.19	1.09	2.36	19.1	420	22 VB	C	Riffle-Pool
T1.S2.01	1310	1230	3571	2.24	3889	2.06	1.09	1.23	14.4	530	36.9 VB	E	Dune-Ripple

Phase 1 - Step 3. Basin Characteristics: Geology

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanoosuc River**

Step	3.1	3.2	3.3 Geologic Materials		3.4 Valley Side Slope		
Reach ID	Alluvial Fan	Grade Control	Dominant	%	Sub-Dominant	Left	Right
R01	None	None	Other	47.3	Ice-Contact	Extremely Steep	Very Steep
R02	None	None	Ice-Contact	69.6	Alluvial	Extremely Steep	Very Steep
R03	None	None	Alluvial	62.6	Ice-Contact	Very Steep	Very Steep
R04	None	None	Ice-Contact	53.8	Alluvial	Steep	Very Steep
R05	None	None	Ice-Contact	49.8	Alluvial	Very Steep	Steep
R06	None	Dam	Ice-Contact	35.8	Other	Very Steep	Steep
R06S1.01	None	None	Other	67.1	Ice-Contact	Steep	Hilly
R06S1.02	None	Ledge	Ice-Contact	74.3	Till	Hilly	Hilly
R06S1.02S1.01	Yes	None	Till	100	---	Very Steep	Very Steep
R06S1.02S1.02	None	None	Till	100	---	Steep	Hilly
R06S1.02S1.03	Yes	None	Till	51.1	Alluvial	Very Steep	Very Steep
R06S1.02S1.04	None	Waterfall	Till	100	---	Very Steep	Very Steep
R06S1.02S1.06	None	None	Till	100	Other	Steep	Very Steep
R06S1.02S1.07	None	Dam	Till	63.6	Alluvial	Steep	Very Steep
R06S1.02S1.09	Yes	Dam	Till	100	---	Very Steep	Very Steep
R06S1.03	None	None	Till	100	---	Hilly	Steep
R06S1.04	None	None	Ice-Contact	69.2	Till	Very Steep	Steep
R06S1.05	None	None	Till	89.5	Glacial Lake	Very Steep	Steep
R06S1.07	None	None	Till	100	---	Hilly	Very Steep
R08	None	None	Ice-Contact	59.6	Glacial Lake	Very Steep	Very Steep
R09	None	None	Ice-Contact	54.1	Alluvial	Steep	Very Steep
R10	None	Waterfall	Ice-Contact	58.7	Glacial Lake	Very Steep	Extremely Steep
R11	None	None	Alluvial	62.6	Ice-Contact	Very Steep	Extremely Steep
R12	None	Ledge	Ice-Contact	91.3	Till	Extremely Steep	Extremely Steep

Phase 1 - Step 3. Basin Characteristics: Geology

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanoosuc River**

Step	3.1		3.2		3.3 Geologic Materials		3.4 Valley Side Slope	
	Alluvial Fan	Grade Control	Dominant	%	Sub-Dominant	Left	Right	
R12S1.01	Yes	None	Ice-Contact	66.7	Till	Hilly	Very Steep	
R12S1.02	None	None	Till	92.8	Ice-Contact	Flat	Very Steep	
R12S1.04	None	None	Till	77.5	Alluvial	Very Steep	Extremely Steep	
R12S1.05	None	None	Till	100	---	Very Steep	Very Steep	
R12S1.06	None	None	Till	100	---	Very Steep	Very Steep	
R12S1.07	Yes	None	Alluvial	64.1	Till	Hilly	Steep	
R12S1.08	None	None	Till	100	---	Steep	Steep	
R13	None	None	Ice-Contact	94.3	Till	Extremely Steep	Extremely Steep	
R14	None	None	Ice-Contact	99.6	Till	Very Steep	Very Steep	
R15	None	Multiple	Ice-Contact	81	Alluvial	Steep	Extremely Steep	
R16	None	None	Alluvial	62.5	Ice-Contact	Steep	Extremely Steep	
R16T2.01	None	None	Ice-Contact	57.6	Alluvial	Extremely Steep	Flat	
R16T2.02	None	Dam	Ice-Contact	100	Till	Very Steep	Flat	
R16T2.03S1.01	None	None	Alluvial	74.9	Ice-Contact	Very Steep	Very Steep	
R16T2.03S1.02	None	Dam	Alluvial	84.9	Ice-Contact	Extremely Steep	Very Steep	
R16T2.03S1.06	None	None	Alluvial	86.4	Ice-Contact	Very Steep	Very Steep	
R16T2.03S1.07	None	None	Alluvial	83.7	Till	Very Steep	Extremely Steep	
R16T2.03S1.09	None	None	Alluvial	62.8	Ice-Contact	Very Steep	Very Steep	
R16T2.03S1.10	None	Dam	Ice-Contact	98.9	Till	Extremely Steep	Extremely Steep	
R16T2.03S1.12	None	None	Till	78	Ice-Contact	Very Steep	Extremely Steep	
R16T2.03S1.13	None	None	Till	100	---	Extremely Steep	Extremely Steep	
R16T2.03S1.14	None	None	Till	100	---	Very Steep	Very Steep	
R16T2.03S1.15	None	None	Till	100	---	Extremely Steep	Extremely Steep	
R16T2.04	None	None	Alluvial	77.9	Ice-Contact	Steep	Very Steep	

Phase 1 - Step 3. Basin Characteristics: Geology

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanoosuc River**

Step	3.1	3.2	3.3 Geologic Materials		3.4 Valley Side Slope		
Reach ID	Alluvial Fan	Grade Control	Dominant	%	Sub-Dominant	Left	Right
R16T2.05	None	None	Alluvial	70.1	Ice-Contact	Very Steep	Very Steep
R16T2.06	Yes	Dam	Alluvial	64.2	Till	Steep	Very Steep
R16T2.07	None	None	Alluvial	75	Till	Very Steep	Very Steep
R16T2.08	None	None	Till	87.5	Alluvial	Very Steep	Very Steep
R16T2.09	None	None	Till	100	---	Extremely Steep	Very Steep
R17	None	None	Alluvial	88.6	Ice-Contact	Flat	Very Steep
R18	None	None	Alluvial	86.2	Ice-Contact	Very Steep	Extremely Steep
R18T3.01	None	None	Alluvial	70.1	Ice-Contact	Flat	Extremely Steep
R18T3.02	None	Ledge	Ice-Contact	87.8	Till	Extremely Steep	Extremely Steep
R18T3.03	None	None	Ice-Contact	55.5	Alluvial	Very Steep	Very Steep
R18T3.04	None	Dam	Till	55.5	Other	Steep	Very Steep
R18T3.05	None	None	Till	100	---	Very Steep	Very Steep
R18T3.06	None	None	Till	61.6	Ice-Contact	Extremely Steep	Very Steep
R18T3.07	None	None	Till	100	---	Very Steep	Very Steep
R18T3.08	None	None	Till	100	---	Very Steep	Very Steep
R19	None	Dam	Alluvial	53.9	Ice-Contact	Extremely Steep	Extremely Steep
R20	None	None	Ice-Contact	51.8	Alluvial	Very Steep	Extremely Steep
R21	None	None	Alluvial	66	Ice-Contact	Extremely Steep	Extremely Steep
R22	None	Ledge	Alluvial	51.9	Ice-Contact	Extremely Steep	Extremely Steep
R23	None	Ledge	Ice-Contact	84	Till	Extremely Steep	Extremely Steep
R24	None	Ledge	Till	68.8	Ice-Contact	Extremely Steep	Extremely Steep
R25	None	Ledge	Ice-Contact	52.9	Alluvial	Extremely Steep	Extremely Steep
R26	None	None	Ice-Contact	86.1	Till	Very Steep	Very Steep
R27	None	None	Till	100	---	Very Steep	Steep

Phase 1 - Step 3. Basin Characteristics: Geology

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanoosuc River**

Step	3.1	3.2	3.3 Geologic Materials		3.4 Valley Side Slope		
Reach ID	Alluvial Fan	Grade Control	Dominant	%	Sub-Dominant	Left	Right
R28	Yes	None	Alluvial	64.5	Till	Very Steep	Very Steep
R29	None	None	Till	56.6	Alluvial	Very Steep	Very Steep
R31	None	None	Till	100	---	Steep	Very Steep
R33	None	Dam	Till	100	---	Steep	Steep
M01	None	None	Alluvial	48.9	Till	Very Steep	Very Steep
M02	None	Ledge	Ice-Contact	59.5	Till	Very Steep	Very Steep
T1.01	None	None	Ice-Contact	45.1	Till	Extremely Steep	Extremely Steep
T1.02	Yes	None	Till	88.5	Alluvial	Extremely Steep	Very Steep
T1.03	Yes	None	Till	86.5	Alluvial	Very Steep	Very Steep
T1.S1.01	Yes	None	Till	97.9	Other	Extremely Steep	Extremely Steep
T1.S2.01	Yes	Dam	Till	69.9	Alluvial	Very Steep	Very Steep

Phase 1 - Step 3. Basin Characteristics: Soils

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

Reach ID	3.5 Soil Properties									
	Hydrologic		Flooding		Water Table				Erodibility	%
	Group	%		%	Deep	%	Shallow	%		
R01	Not Rated	53.9	None/Rare	91.6	6	91.6	2	47.3	Slight	10.6
R02	A	69.3	None/Rare	79	6	97.6	6	88.2	Moderate	30.9
R03	B	82.3	Occasional	62.6	6	92	6	92	Moderate	25.6
R04	B	56.1	None/Rare	60.1	6	77.1	6	77.1	Moderate	47.7
R05	B	65.1	None/Rare	61.8	6	94.6	6	88	Moderate	28.3
R06	A	35.8	None/Rare	100	6	100	6	100	Severe	67.4
R06S1.01	Not Rated	67.1	None/Rare	100	6	100	6	100	Moderate	32.9
R06S1.02	A	74.3	None/Rare	100	6	100	6	100	Very Severe	99.9
R06S1.02S1.01	B	100	None/Rare	100	6	100	6	100	Very Severe	100
R06S1.02S1.02	B	100	None/Rare	100	6	100	6	100	Very Severe	100
R06S1.02S1.03	C	59.8	None/Rare	51.1	1.5	82.5	0	82.5	Severe	51.1
R06S1.02S1.04	C	69.3	None/Rare	100	6	69.3	6	69.3	Very Severe	100
R06S1.02S1.06	C	100	None/Rare	100	2	77.2	1	77.2	Very Severe	100
R06S1.02S1.07	C	77.4	None/Rare	63.7	1.5	51	0	51	Severe	63.6
R06S1.02S1.09	C	83.3	None/Rare	100	2	51	1	71.2	Very Severe	100
R06S1.03	B	55.2	None/Rare	100	6	55.2	6	55.2	Very Severe	100
R06S1.04	B	48.7	None/Rare	86.6	2.5	47	1.5	47	Very Severe	77.4
R06S1.05	C	77.2	None/Rare	100	6	82	6	82	Very Severe	100
R06S1.07	D	100	None/Rare	100	6	100	6	100	Very Severe	100
R08	B	70.7	None/Rare	97.9	6	95.4	6	95.4	Very Severe	87.7
R09	B	70.5	None/Rare	55.6	6	52.6	6	52.6	Moderate	44.7
R10	B	59.7	None/Rare	100	6	80.3	6	80.3	Very Severe	90.7
R11	B	71	Occasional	37.6	6	73.5	4	37.6	Moderate	30.3
R12	B	70.2	None/Rare	100	6	100	6	100	Very Severe	91
R12S1.01	B	98.4	None/Rare	100	6	100	6	100	Very Severe	100
R12S1.02	B	85.9	None/Rare	100	6	86.8	6	86.8	Very Severe	99.1
R12S1.04	B	76	None/Rare	77.5	6	53.5	6	53.5	Very Severe	77.5
R12S1.05	C	96.6	None/Rare	100	2	96.6	1	96.6	Very Severe	100
R12S1.06	B	35.9	None/Rare	100	6	63.4	6	63.4	Very Severe	100
R12S1.07	D	64.7	Frequent	64.1	0.5	64.7	0	64.1	Moderate	35.3
R12S1.08	D	70.9	None/Rare	100	1.5	70.9	0	70.9	Very Severe	100

Phase 1 - Step 3. Basin Characteristics: Soils

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

Reach ID	3.5 Soil Properties									
	Hydrologic		Flooding		Water Table				Erodibility	
	Group	%		%	Deep	%	Shallow	%		%
R13	A	72.5	None/Rare	100	6	94.3	6	94.3	Moderate	36.5
R14	A	68.7	None/Rare	100	6	88.6	6	88.6	Severe	70.9
R15	B	46.4	None/Rare	86.4	6	74.9	6	74.9	Very Severe	86.4
R16	B	92.4	Frequent	62.5	3	62.5	1.5	62.5	Moderate	26.8
R16T2.01	B	64	None/Rare	73.3	6	30.3	1.5	56.5	Moderate	39.9
R16T2.02	A	60.7	None/Rare	100	6	60.7	6	60.7	Moderate	39.3
R16T2.03S1.01	C	62.2	Frequent	74.9	1.5	60.6	0	75.4	Slight	11.2
R16T2.03S1.02	C	87.4	Frequent	84.9	1.5	84.9	0	84.9	Slight	13.9
R16T2.03S1.06	C	62.1	Frequent	86.4	1.5	63.3	0	63.9	Slight	10.1
R16T2.03S1.07	C	86.8	Frequent	83.7	1.5	89.3	0	89.3	Slight	16.3
R16T2.03S1.09	C	62.8	Frequent	62.8	1.5	62.8	0	62.8	Moderate	37.2
R16T2.03S1.10	B	98.9	None/Rare	100	2.5	98.9	1.5	98.9	Very Severe	100
R16T2.03S1.12	D	72.8	None/Rare	100	1.5	72.8	0	72.8	Very Severe	100
R16T2.03S1.13	D	100	None/Rare	100	1.5	100	0	100	Very Severe	100
R16T2.03S1.14	D	100	None/Rare	100	1.5	100	0	100	Very Severe	100
R16T2.03S1.15	B	43	None/Rare	100	6	74.1	6	74.1	Very Severe	100
R16T2.04	B	83.3	Frequent	77.9	3	66.8	1.5	83.3	Slight	21
R16T2.05	C	46.3	Frequent	70.1	1.5	41.4	0	57.4	Slight	17.3
R16T2.06	D	71.6	Frequent	64.2	0.5	63.7	0	72.1	Moderate	35.8
R16T2.07	D	75	Frequent	75	0.5	75	0	75	Slight	25
R16T2.08	D	68.4	None/Rare	87.5	1.5	62	0	71.5	Very Severe	87.5
R16T2.09	C	96.5	None/Rare	100	6	96.5	6	96.5	Very Severe	100
R17	C	57.4	Frequent	86.8	1.5	55.9	0	55.9	Slight	6.1
R18	B	69.6	Frequent	52.2	6	47.8	4	34.1	Slight	10.9
R18T3.01	B	72.8	Frequent	70.1	3	70.1	1.5	70.1	Slight	8.2
R18T3.02	B	51.2	None/Rare	100	2.5	51.2	1.5	51.2	Very Severe	95.3
R18T3.03	A	48	None/Rare	77.9	6	60.3	6	60.3	Severe	73.5
R18T3.04	C	55.5	None/Rare	100	2	55.5	1	55.5	Severe	55.5
R18T3.05	C	100	None/Rare	100	2	100	1	100	Very Severe	100
R18T3.06	C	47.1	None/Rare	100	2	47.1	1	47.1	Very Severe	100
R18T3.07	D	97.5	None/Rare	100	1.5	97.5	0	97.5	Very Severe	100

Phase 1 - Step 3. Basin Characteristics: Soils

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

Reach ID	3.5 Soil Properties									
	Hydrologic		Flooding	%	Water Table				Erodibility	%
	Group	%			Deep	%	Shallow	%		
R18T3.08	C	51.8	None/Rare	100	2	45	1	45	Very Severe	100
R19	B	58.4	None/Rare	46.1	6	49.5	1.5	42.5	Moderate	29.9
R20	B	66.6	None/Rare	75.7	6	52.2	6	45.1	Very Severe	75.7
R21	B	74.3	None/Rare	34	6	57.8	1.5	34.2	Moderate	26.7
R22	B	85.7	Frequent	51.9	3	51.9	1.5	80.7	Moderate	41.7
R23	B	84.2	None/Rare	100	2.5	84	1.5	84	Very Severe	100
R24	C	68.8	None/Rare	100	6	60.5	6	60.5	Very Severe	100
R25	A	52.9	None/Rare	70.1	6	60.4	6	60.4	Moderate	43.1
R26	A	86.1	None/Rare	100	6	100	6	100	Slight	13.9
R27	B	50.2	None/Rare	100	6	50.2	6	50.2	Very Severe	100
R28	C	70	Frequent	64.5	1.5	94.5	0	94.5	Moderate	35.5
R29	C	50.3	None/Rare	56.6	1.5	93.1	0	93.1	Severe	56.6
R31	D	75.1	None/Rare	100	1.5	75.1	0	75.1	Very Severe	100
R33	D	85.5	None/Rare	100	1.5	85.5	0	85.5	Very Severe	100
M01	B	52.3	None/Rare	51.1	6	63.5	6	45.7	Severe	51.1
M02	B	64.9	None/Rare	84	6	56.2	6	56.2	Very Severe	78.2
T1.01	B	66.1	None/Rare	77.1	6	39.4	6	30.4	Severe	61.2
T1.02	C	56.2	None/Rare	93.3	2	59.2	1	44.9	Very Severe	88.5
T1.03	C	90.3	None/Rare	86.5	2	51.9	1	51.6	Very Severe	83.3
T1.S1.01	C	49.7	None/Rare	99.1	2	58.5	6	39.4	Very Severe	97.9
T1.S2.01	C	54.9	None/Rare	69.9	2	43.4	0	69	Severe	69.9

Phase 1 - Step 4. Land Cover - Reach Hydrology

Basin: Waits, Ompompanosuc, Stevens, Wells

Watershed: Middle Northern Connecticut River

Sub-watershed: Ompompanosuc River

Step	4.1 Watershed Land Cover - Land Use							4.2 Corridor Land Cover - Land Use							4.3 Riparian Buffer						4.4 Groundwater Inputs	
	Reach ID	Historic	Current					Historic	Current					Dominant		Sub-Dominant		LT 25 ft.		Impact		
			Dom.	%	Sub-D.	Urban	Crop		Impact	Dom.	%	Sub-D.	Urban	Crop	Impact	L Bank	R Bank	L Bank	R Bank			L Bank
R01	Forest	Forest	84	Urban	3	2	Low	al	Urban	32	Forest	32	1	High	0-25	0-25	51-100	>100	3808	3321	High	Minimal
R02	Forest	Forest	84	Urban	3	2	Low	Forest	Forest	36	Urban	26	1	High	>100	>100	51-100	51-100	171	274	High	Minimal
R03	Forest	Forest	85	Urban	3	2	Low	Field	Forest	19	Field	11	15	High	0-25	0-25	>100	>100	2346	2265	High	Abundant
R04	Forest	Forest	84	Urban	3	2	Low	Forest	Forest	57	Crop	3	4	Low	>100	>100	51-100	51-100	374	0	Low	Minimal
R05	Forest	Forest	85	Urban	3	2	Low	Crop	Forest	30	Field	12	5	High	>100	0-25	0-25	>100	1271	2762	High	Minimal
R06	Forest	Forest	86	Urban	3	2	Low	Forest	Forest	42	Urban	19	12	High	>100	0-25	0-25	51-100	275	1665	High	Minimal
R06S1.01	Forest	Forest	81	Field	3	1	Low	Forest	Forest	28	Urban	12	3	High	>100	>100	0-25	26-50	188	39	High	Minimal
R06S1.02	Forest	Forest	81	Field	3	1	Low	Forest	Forest	48	Urban	7	0	Low	>100	>100	0-25	0-25	81	88	Low	Minimal
R06S1.02S1.01	Forest	Forest	85	Urban	4	1	Low	Forest	Forest	65	---	---	---	N.S.	>100	>100	None	None	0	0	N.S.	None
R06S1.02S1.02	Forest	Forest	86	Urban	4	1	Low	Forest	Forest	55	---	---	---	N.S.	>100	>100	None	None	---	---	N.D.	None
R06S1.02S1.03	Forest	Forest	86	Urban	3	1	Low	Forest	Forest	60	Urban	3	0	Low	>100	>100	0-25	None	242	0	Low	Abundant
R06S1.02S1.04	Forest	Forest	86	Urban	3	1	Low	Forest	Forest	45	Urban	11	---	High	>100	>100	0-25	0-25	195	59	Low	Minimal
R06S1.02S1.06	Forest	Forest	85	Urban	3	1	Low	Forest	Forest	47	Urban	0	---	N.S.	>100	>100	51-100	51-100	0	0	N.S.	Minimal
R06S1.02S1.07	Forest	Forest	84	Urban	3	1	Low	Forest	Forest	44	Urban	11	0	High	>100	>100	51-100	51-100	39	42	N.S.	Abundant
R06S1.02S1.09	Forest	Forest	87	Field	3	1	Low	Forest	Forest	57	Crop	0	4	Low	>100	>100	0-25	0-25	1293	1198	High	Abundant
R06S1.03	Forest	Forest	82	Field	3	1	Low	Forest	Forest	75	---	---	---	N.S.	>100	>100	None	51-100	---	---	N.D.	None
R06S1.04	Forest	Forest	81	Field	3	1	Low	Forest	Forest	42	Field	---	---	N.S.	>100	>100	None	None	---	---	N.D.	Minimal
R06S1.05	Forest	Forest	85	Urban	2	1	Low	Forest	Forest	45	Urban	2	0	Low	>100	>100	51-100	0-25	601	1502	High	Minimal
R06S1.07	Forest	Forest	91	Urban	2	1	Low	Forest	Forest	86	---	---	---	N.S.	>100	>100	None	None	---	---	N.D.	None
R08	Forest	Forest	86	Urban	3	2	Low	Forest	Forest	50	Urban	10	5	High	>100	>100	0-25	None	2627	0	High	Minimal
R09	Forest	Forest	86	Urban	3	2	Low	Forest	Forest	56	Urban	12	5	High	>100	0-25	51-100	>100	266	954	High	Abundant
R10	Forest	Forest	86	Urban	3	2	Low	Forest	Forest	55	Urban	9	1	High	>100	>100	51-100	0-25	513	83	Low	Minimal
R11	Forest	Forest	86	Urban	3	2	Low	Forest	Forest	58	Crop	1	6	Low	>100	>100	0-25	26-50	1856	303	High	Abundant
R12	Forest	Forest	85	Urban	3	2	Low	Forest	Forest	50	Urban	16	1	High	>100	51-100	0-25	>100	44	55	N.S.	Minimal
R12S1.01	Forest	Forest	79	Field	4	2	Low	Forest	Forest	61	Field	0	---	N.S.	>100	>100	51-100	26-50	0	0	N.S.	Minimal
R12S1.02	Forest	Forest	79	Field	4	2	Low	Forest	Forest	58	Shrub	---	---	N.S.	>100	>100	51-100	None	---	---	N.D.	None
R12S1.04	Forest	Forest	78	Field	4	2	Low	Forest	Forest	45	Urban	9	0	Low	>100	>100	51-100	0-25	94	712	Low	Minimal
R12S1.05	Forest	Forest	75	Field	3	3	Low	Forest	Forest	45	Urban	42	0	High	>100	0-25	0-25	26-50	158	794	High	None
R12S1.06	Forest	Forest	74	Field	3	3	Low	Forest	Urban	36	Forest	36	---	High	0-25	>100	>100	51-100	1657	126	High	Abundant
R12S1.07	Field	Forest	59	Field	5	4	Low	Field	Forest	29	Field	6	4	High	0-25	0-25	51-100	>100	1196	1337	High	Minimal
R12S1.08	Field	Forest	63	Field	5	3	Low	Field	Forest	45	Field	6	2	Low	0-25	0-25	>100	51-100	1609	1676	High	Minimal
R13	Forest	Forest	86	Urban	3	2	Low	Forest	Forest	66	Crop	0	0	N.S.	>100	>100	51-100	None	0	0	N.S.	Minimal
R14	Forest	Forest	86	Urban	3	2	Low	Forest	Forest	61	Crop	0	3	Low	>100	>100	None	51-100	0	1085	Low	Minimal
R15	Forest	Forest	87	Urban	3	2	Low	Forest	Forest	28	Urban	19	7	High	51-100	>100	>100	26-50	119	368	High	Minimal
R16	Forest	Forest	87	Urban	3	2	Low	Forest	Forest	60	Crop	5	10	High	>100	>100	51-100	None	0	0	N.S.	Minimal
R16T2.01	Forest	Forest	84	Urban	3	2	Low	Forest	Forest	41	Crop	---	---	Low	>100	>100	51-100	51-100	245	185	Low	Minimal
R16T2.02	Forest	Forest	84	Urban	3	2	Low	Forest	Forest	45	Crop	0	4	Low	>100	>100	None	51-100	0	60	N.S.	Minimal
R16T2.03S1.01	Forest	Forest	88	Urban	3	1	Low	Forest	Forest	60	Field	2	3	Low	>100	>100	0-25	0-25	2789	4304	High	Abundant
R16T2.03S1.02	Forest	Forest	89	Urban	3	1	Low	Field	Forest	40	Field	3	6	Low	0-25	0-25	51-100	None	3890	4348	High	Minimal
R16T2.03S1.06	Forest	Forest	89	Urban	3	1	Low	Field	Forest	59	Urban	8	2	High	>100	>100	0-25	0-25	2594	1662	High	Abundant
R16T2.03S1.07	Forest	Forest	85	Field	3	1	Low	Wetland	Forest	61	Urban	18	0	High	>100	>100	51-100	51-100	66	252	Low	Abundant
R16T2.03S1.09	Forest	Forest	86	Field	3	1	Low	Forest	Forest	49	Crop	---	---	N.S.	>100	>100	0-25	0-25	556	565	High	Abundant

Phase 1 - Step 4. Land Cover - Reach Hydrology

Basin: Waits, Ompompanosuc, Stevens, Wells

Watershed: Middle Northern Connecticut River

Sub-watershed: Ompompanosuc River

Step	4.1 Watershed Land Cover - Land Use							4.2 Corridor Land Cover - Land Use							4.3 Riparian Buffer						4.4 Groundwater Inputs	
	Historic	Current						Historic	Current						Dominant		Sub-Dominant		LT 25 ft.			Impact
		Dom.	%	Sub-D.	Urban	Crop	Impact		Dom.	%	Sub-D.	Urban	Crop	Impact	L Bank	R Bank	L Bank	R Bank	L Bank	R Bank		
R16T2.03S1.10	Forest	Forest	87	Urban	4	1	Low	Forest	Forest	60	Urban	16		High	>100	>100	26-50	0-25	49	307	Low	Minimal
R16T2.03S1.12	Forest	Forest	89	Urban	3	1	Low	Forest	Forest	53	Crop		0	N.S.	>100	>100	51-100	None			N.D.	Minimal
R16T2.03S1.13	Forest	Forest	90	Urban	2	1	Low	Forest	Forest	70	---			N.S.	>100	>100	None	None			N.D.	Abundant
R16T2.03S1.14	Forest	Forest	92	Urban	3	0	Low	Forest	Forest	67	---			N.S.	>100	>100	None	None			N.D.	Minimal
R16T2.03S1.15	Forest	Forest	92	Urban	4		Low	Forest	Forest	98	---			N.S.	>100	>100	None	None			N.D.	None
R16T2.04	Forest	Forest	86	Field	3	2	Low	Forest	Forest	52	Urban	15	0	High	>100	>100	0-25	0-25	944	1086	High	Abundant
R16T2.05	Forest	Forest	87	Field	3	2	Low	Wetland	Forest	66	Field	1	3	Low	0-25	>100	>100	0-25	4859	1361	High	Abundant
R16T2.06	Forest	Forest	85	Field	3	3	Low	Forest	Forest	44	Field	2	5	Low	>100	>100	0-25	0-25	1699	1965	High	Abundant
R16T2.07	Forest	Forest	87	Urban	4	1	Low	Forest	Forest	56	Crop	1	5	Low	>100	>100	51-100	51-100	0	0	N.S.	Minimal
R16T2.08	Forest	Forest	90	Urban	4	1	Low	Forest	Forest	63	Urban	6		Low	>100	>100	51-100	51-100	47	128	Low	Minimal
R16T2.09	Forest	Forest	99	---			N.S.	Forest	Forest	98	---			N.S.	>100	>100	None	None			N.D.	Minimal
R17	Forest	Forest	87	Urban	3	2	Low	Forest	Forest	52	Crop	5	7	High	>100	>100	0-25	0-25	1257	1295	High	Abundant
R18	Forest	Forest	88	Urban	3	2	Low	Forest	Forest	52	Field	4	6	High	>100	0-25	51-100	>100	230	2958	High	Minimal
R18T3.01	Forest	Forest	88	Urban	3	2	Low	Forest	Forest	43	Urban	18	3	High	>100	>100	0-25	0-25	604	776	High	Minimal
R18T3.02	Forest	Forest	89	Urban	3	2	Low	Forest	Urban	39	Forest	39	3	High	0-25	0-25	>100	>100	1487	1718	High	Minimal
R18T3.03	Forest	Forest	88	Urban	3	2	Low	Forest	Urban	35	Forest	35	1	High	0-25	>100	>100	0-25	2276	1765	High	Abundant
R18T3.04	Forest	Forest	89	Urban	3	2	Low	Forest	Forest	34	Urban	19	5	High	>100	>100	51-100	51-100	58	49	N.S.	Minimal
R18T3.05	Forest	Forest	89	Urban	3	2	Low	Forest	Urban	49	Forest	49	1	High	0-25	>100	26-50	51-100	1517	0	High	Minimal
R18T3.06	Forest	Forest	88	Crop	3	3	Low	Forest	Urban	41	Forest	41	2	High	0-25	0-25	>100	>100	2761	3077	High	Abundant
R18T3.07	Forest	Forest	91	Crop	2	3	Low	Forest	Forest	42	Urban	28	0	High	>100	0-25	51-100	>100	41	1576	High	Minimal
R18T3.08	Forest	Forest	97	Crop		1	N.S.	Forest	Forest	95	Crop		1	N.S.	>100	>100	None	None			N.D.	Minimal
R19	Forest	Forest	89	Urban	3	2	Low	Field	Forest	36	Field	10	10	High	0-25	0-25	>100	>100	4629	5078	High	Abundant
R20	Forest	Forest	89	Urban	3	2	Low	Field	Forest	40	Urban	13	8	High	0-25	0-25	>100	>100	1374	3718	High	Minimal
R21	Forest	Forest	90	Urban	3	2	Low	Field	Forest	31	Field	17	6	High	0-25	0-25	None	51-100	5324	5035	High	Abundant
R22	Forest	Forest	88	Urban	3	2	Low	Field	Forest	31	Field	17	9	High	0-25	0-25	>100	>100	2117	2627	High	Minimal
R23	Forest	Forest	88	Urban	3	2	Low	Forest	Forest	53	Urban	21	0	High	>100	0-25	0-25	>100	288	3273	High	Abundant
R24	Forest	Forest	87	Crop	3	3	Low	Forest	Urban	39	Forest	39	1	High	>100	>100	26-50	0-25	184	1046	High	Abundant
R25	Forest	Forest	87	Urban	4	3	Low	Forest	Forest	40	Urban	20	6	High	>100	>100	0-25	0-25	1751	1949	High	Abundant
R26	Forest	Forest	85	Urban	4	3	Low	Forest	Forest	29	Urban	27	6	High	>100	0-25	0-25	>100	3177	3217	High	Abundant
R27	Forest	Forest	86	Crop	3	4	Low	Forest	Forest	36	Urban	18	7	High	0-25	>100	>100	51-100	1374	93	High	Minimal
R28	Forest	Forest	86	Crop	3	4	Low	Forest	Forest	55	Crop	1	1	Low	>100	>100	51-100	26-50	148	65	N.S.	Minimal
R29	Forest	Forest	88	Crop	2	4	Low	Forest	Forest	39	Crop		6	Low	0-25	>100	>100	51-100	1480	219	High	Minimal
R31	Forest	Forest	85	Crop	2	6	Low	Forest	Forest	46	Crop		12	High	>100	>100	0-25	None	522	0	High	Minimal
R33	Forest	Forest	85	Crop	2	7	Low	Forest	Forest	50	Urban	14		High	>100	>100	51-100	0-25	54	65	Low	Minimal
M01	Forest	Forest	87.9	Urban	4.2	2.4	Low	Forest	Forest	45.4	Crop	5	8.1	High	>100	>100	0-25	0-25	1440	1595	High	Abundant
M02	Forest	Forest	88.1	Urban	4.2	2.4	Low	Forest	Forest	47.9	Urban	20.5	1.5	High	0-25	>100	>100	51-100	3792	319	High	Abundant
T1.01	Forest	Forest	92.6	Urban	3.1	1	Low	Forest	Forest	47.3	Urban	16.5	0.7	High	>100	>100	0-25	0-25	2245	2218	High	Abundant
T1.02	Forest	Forest	91.6	Urban	2.6	0.9	Low	Forest	Forest	48.3	Urban	22.6	1.4	High	>100	>100	0-25	0-25	2143	2206	High	Abundant
T1.03	Forest	Forest	95.7	Urban	1.6	0.9	Low	Forest	Forest	81.3	Urban	11.1	1.8	High	>100	>100	0-25	0-25	1594	976	High	Minimal
T1.S1.01	Forest	Forest	94.1	Urban	3.2	1.1	Low	Forest	Forest	76.2	Urban	3.8	0.3	Low	>100	>100	51-100	51-100	349	246	N.S.	Abundant
T1.S2.01	Forest	Forest	83.9	Urban	2.8	0.9	Low	Forest	Forest	58.1	Urban	22.9	0.3	High	>100	>100	0-25	0-25	758	1931	High	Abundant

Phase 1 - Step 5. Instream Channel Modification

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

Step		5.1 Flow Regulation				5.2 Bridges - Culverts				5.3 Bank Armoring			5.4 Channel Straightening			5.5 Dredging History	
Reach ID	Channel Length	Type	Use	Old	Impact	Number	Length	Percent	Impact	Length	Percent	Impact	Length	Percent	Impact	Type	Impact
R01	4629	None			N.S.	4	2800	60.5	High	707	15.3	Low	4592	99.2	High	None	N.S.
R02	1516	None			N.S.	1	500	33	High	323	21.3	High	1086	71.6	High	None	N.S.
R03	4581	None			N.S.	0	0	0	N.S.	None		N.S.	3366	73.5	High	None	N.S.
R04	3299	None			N.S.	0	0	0	N.S.	None		N.S.	680	20.6	High	None	N.S.
R05	4705	None			N.S.	0	0	0	N.S.	None		N.S.	2783	59.2	High	None	N.S.
R06	2320	Store and Release	Flood Control		High	1	300	12.9	Low	170	7.3	Low	2302	99.2	High	None	N.S.
R06S1.01	1093	None			N.S.	1	200	18.3	Low	702	64.2	High	763	69.8	High	None	N.S.
R06S1.02	2142	None			N.S.	1	400	18.7	Low	458	21.4	High	1229	57.4	High	None	N.S.
R06S1.02S1.01	363	None			N.S.	0	0	0	N.S.	None		N.S.	None		N.S.	None	N.S.
R06S1.02S1.02	1424			None	N.S.	None			N.S.	None		N.S.	None		N.S.	None	N.S.
R06S1.02S1.03	4026	None			N.S.	0	0	0	N.S.	None		N.S.	None		N.S.	None	N.S.
R06S1.02S1.04	1484	None			N.S.	2	200	13.5	Low	278	18.7	Low	None		N.S.	None	N.S.
R06S1.02S1.06	1044	None			N.S.	1	50	4.8	N.S.	None		N.S.	None		N.S.	None	N.S.
R06S1.02S1.07	3331	Small Run of River	Recreation		Low	1	350	10.5	Low	None		N.S.	None		N.S.	None	N.S.
R06S1.02S1.09	6239	None			N.S.	1	50	0.8	N.S.	None		N.S.	None		N.S.	None	N.S.
R06S1.03	1193			None	N.S.	None			N.S.	None		N.S.	None		N.S.	None	N.S.
R06S1.04	6654			None	N.S.	None			N.S.	None		N.S.	None		N.S.	None	N.S.
R06S1.05	4577	None			N.S.	1	200	4.4	N.S.	126	2.8	N.S.	None		N.S.	None	N.S.
R06S1.07	1384			None	N.S.	None			N.S.	None		N.S.	None		N.S.	None	N.S.
R08	6146	None			N.S.	0	0	0	N.S.	None		N.S.	3425	55.7	High	None	N.S.
R09	1765	None			N.S.	1	50	2.8	N.S.	None		N.S.	1668	94.5	High	None	N.S.
R10	4950	None			N.S.	1	700	14.1	Low	250	5	Low	1310	26.5	High	None	N.S.
R11	10158	None			N.S.	0	0	0	N.S.	None		N.S.	1633	16.1	Low	None	N.S.
R12	3149	None			N.S.	1	350	11.1	Low	353	11.2	Low	291	9.2	Low	None	N.S.
R12S1.01	1131	None			N.S.	0	0	0	N.S.	None		N.S.	None		N.S.	None	N.S.
R12S1.02	843			None	N.S.	None			N.S.	None		N.S.	None		N.S.	None	N.S.
R12S1.04	4176	None			N.S.	1	450	10.8	Low	348	8.3	Low	None		N.S.	None	N.S.
R12S1.05	1632	None			N.S.	1	100	6.1	Low	18	1.1	N.S.	1302	79.7	High	None	N.S.
R12S1.06	3986	None			N.S.	1	380	9.5	Low	None		N.S.	None		N.S.	None	N.S.
R12S1.07	1608	None			N.S.	1	350	21.8	High	None		N.S.	1157	71.9	High	None	N.S.
R12S1.08	1847	None			N.S.	0	0	0	N.S.	None		N.S.	None		N.S.	None	N.S.
R13	3216	None			N.S.	0	0	0	N.S.	None		N.S.	None		N.S.	None	N.S.
R14	7281	None			N.S.	0	0	0	N.S.	None		N.S.	1106	15.2	Low	None	N.S.

Phase 1 - Step 5. Instream Channel Modification

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

Step Reach ID	Channel Length	5.1 Flow Regulation				5.2 Bridges - Culverts				5.3 Bank Armoring			5.4 Channel Straightening			5.5 Dredging History	
		Type	Use	Old	Impact	Number	Length	Percent	Impact	Length	Percent	Impact	Length	Percent	Impact	Type	Impact
R15	1448	None			N.S.	1	1000	69.1	High	688	47.5	High	995	68.7	High	None	N.S.
R16	1391	None			N.S.	0	0	0	N.S.	48	3.4	N.S.	1190	85.5	High	None	N.S.
R16T2.01	6676	None			N.S.	0	0	0	N.S.	None		N.S.	None		N.S.	None	N.S.
R16T2.02	1632	Large Run of River	Recreation		High	0	0	0	N.S.	None		N.S.	None		N.S.	None	N.S.
R16T2.03S1.01	10128	None			N.S.	1	50	0.5	N.S.	None		N.S.	None		N.S.	None	N.S.
R16T2.03S1.02	4349	Small Run of River	Recreation		Low	1	400	9.2	Low	None		N.S.	2006	46.1	High	None	N.S.
R16T2.03S1.06	6790	None			N.S.	1	100	1.5	N.S.	None		N.S.	None		N.S.	None	N.S.
R16T2.03S1.07	3579	None			N.S.	1	350	9.8	Low	391	10.9	Low	325	9.1	Low	None	N.S.
R16T2.03S1.09	1967	None			N.S.	0	0	0	N.S.	None		N.S.	None		N.S.	None	N.S.
R16T2.03S1.10	2788	Small Run of River	Recreation		Low	1	180	6.5	Low	None		N.S.	None		N.S.	None	N.S.
R16T2.03S1.12	1358			None	N.S.	None			N.S.	None		N.S.	None		N.S.	None	N.S.
R16T2.03S1.13	2228			None	N.S.	None			N.S.	None		N.S.	None		N.S.	None	N.S.
R16T2.03S1.14	1941			None	N.S.	None			N.S.	None		N.S.	None		N.S.	None	N.S.
R16T2.03S1.15	941			None	N.S.	None			N.S.	None		N.S.	None		N.S.	None	N.S.
R16T2.04	2754	None			N.S.	2	540	19.6	Low	91	3.3	N.S.	442	16	Low	None	N.S.
R16T2.05	7718	None			N.S.	1	250	3.2	N.S.	58	0.8	N.S.	592	7.7	Low	None	N.S.
R16T2.06	6762	None			N.S.	2	250	3.7	N.S.	33	0.5	N.S.	1229	18.2	Low	None	N.S.
R16T2.07	1586	None			N.S.	0	0	0	N.S.	None		N.S.	None		N.S.	None	N.S.
R16T2.08	3448	None			N.S.	1	150	4.4	N.S.	None		N.S.	None		N.S.	None	N.S.
R16T2.09	1957		None		N.S.	None			N.S.	None		N.S.	None		N.S.	None	N.S.
R17	6824	None			N.S.	1	500	7.3	Low	78	1.1	N.S.	924	13.5	Low	None	N.S.
R18	5372	None			N.S.	1	550	10.2	Low	47	0.9	N.S.	2999	55.8	High	None	N.S.
R18T3.01	2307	None			N.S.	1	300	13	Low	180	7.8	Low	619	26.8	High	None	N.S.
R18T3.02	3242	None			N.S.	2	680	21	High	524	16.2	Low	2936	90.6	High	None	N.S.
R18T3.03	4460	None			N.S.	2	650	14.6	Low	319	7.1	Low	2759	61.9	High	None	N.S.
R18T3.04	2374	None			N.S.	1	100	4.2	N.S.	None		N.S.	657	27.7	High	None	N.S.
R18T3.05	1731	None			N.S.	1	50	2.9	N.S.	None		N.S.	1520	87.8	High	None	N.S.
R18T3.06	6036	None			N.S.	2	250	4.1	N.S.	559	9.3	Low	1773	29.4	High	None	N.S.
R18T3.07	3340	None			N.S.	2	200	6	Low	599	17.9	Low	1711	51.2	High	None	N.S.
R18T3.08	4115		None		N.S.	None			N.S.	None		N.S.	None		N.S.	None	N.S.

Phase 1 - Step 5. Instream Channel Modification

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

Step		5.1 Flow Regulation				5.2 Bridges - Culverts				5.3 Bank Armoring			5.4 Channel Straightening			5.5 Dredging History	
Reach ID	Channel Length	Type	Use	Old	Impact	Number	Length	Percent	Impact	Length	Percent	Impact	Length	Percent	Impact	Type	Impact
R19	6161	Small Run of River	Other		Low	2	1100	17.9	Low	779	12.6	Low	5312	86.2	High	None	N.S.
R20	3812	None			N.S.	1	600	15.7	Low	307	8	Low	3475	91.2	High	None	N.S.
R21	5358	None			N.S.	1	500	9.3	Low	999	18.6	Low	4734	88.3	High	None	N.S.
R22	3439	None			N.S.	1	750	21.8	High	532	15.5	Low	3439	100	High	None	N.S.
R23	4962	None			N.S.	1	50	1	N.S.	1424	28.7	High	3282	66.1	High	None	N.S.
R24	2802	None			N.S.	1	350	12.5	Low	131	4.7	N.S.	948	33.8	High	None	N.S.
R25	5178	None			N.S.	2	750	14.5	Low	753	14.5	Low	1739	33.6	High	None	N.S.
R26	7837	None			N.S.	3	580	7.4	Low	2441	31.1	High	4728	60.3	High	None	N.S.
R27	2497	None			N.S.	1	100	4	N.S.	525	21	High	616	24.7	High	None	N.S.
R28	5460	None			N.S.	1	100	1.8	N.S.	None	N.S.		None	N.S.	None	N.S.	
R29	1700	None			N.S.	1	100	5.9	Low	None	N.S.		None	N.S.	None	N.S.	
R31	1602	None			N.S.	0	0	0	N.S.	None	N.S.		None	N.S.	None	N.S.	
R33	879	None			N.S.	1	100	11.4	Low	None	N.S.		None	N.S.	None	N.S.	
M01	12493	None			N.S.	3	650	5.2	Low	183	1.5	N.S.	7057	56.5	High	None	N.S.
M02	7547	None			N.S.	0	0	0	N.S.	1295	17.2	Low	4601	61	High	None	N.S.
T1.01	12334	None			N.S.	3	910	7.4	Low	1254	10.2	Low	2680	21.7	High	None	N.S.
T1.02	10329	None			N.S.	4	450	4.4	N.S.	203	2	N.S.	1187	11.5	Low	None	N.S.
T1.03	9947	None			N.S.	1	150	1.5	N.S.	136	1.4	N.S.	None	N.S.		None	N.S.
T1.S1.01	15020	None			N.S.	5	330	2.2	N.S.	106	0.7	N.S.	None	N.S.		None	N.S.
T1.S2.01	3889	Small Run of River	Recreation		Low	2	200	5.1	Low	26	0.7	N.S.	None	N.S.		None	N.S.

Phase 1 - Step 6. Floodplain Modification and Planform Changes

Basin: Waits, Ompompanosuc, Stevens, Wells

Watershed: Middle Northern Connecticut River

Sub-watershed: Ompompanosuc River

Step	6.1 Berms & Roads									6.2 Corridor Development			6.3 Depositional Features		6.4 Meander Migration		6.5 Meander Width Ratio			6.6 Wavelength Ratio			
	Reach ID	Road Len	%	RR Len	%	Path Len	%	Berm Len	%	Impact	Length	Percent	Impact	Type	Impact	Type	Impact	Width	Ratio	Impact	Length	Ratio	Impact
R01	4,189	90.5	0	0	0	0	0	0	0	High	1502.9	32.5	High	None	N.S.		N.S.	114	1	High	114	1	High
R02	1,516	100	0	0	0	0	0	0	0	High	489.4	32.3	High	None	N.S.		N.S.	114	1	High	114	1	High
R03	3,573	78	0	0	0	0	0	0	0	High	513.6	11.2	Low	Multiple	N.S.	Migration	Low	114	1	High	114	1	High
R04	1,195	36.2	0	0	0	0	0	0	0	High	349.1	10.6	Low	None	N.S.		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R05	2,614	55.6	0	0	0	0	0	0	0	High	2863	60.9	High	None	N.S.	Avulsion	Low	112	1	High	112	1	High
R06	1,577	68	0	0	0	0	0	0	0	High	802.8	34.6	High	None	N.S.		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R06S1.01	0	0	0	0	0	0	0	0	0	Unk.	326.2	29.8	High	No Data	N.S.		N.S.	27	1	High	27	1	High
R06S1.02	0	0	0	0	0	0	0	0	0	Unk.	0	0	N.S.	Mid-channel	Low		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R06S1.02S1.01	0	0	0	0	0	0	0	0	0	Unk.	0	0	N.S.	No Data	N.S.		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R06S1.02S1.02	None									N.S.	None		N.S.	No Data	N.S.		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R06S1.02S1.03	331	8.2	0	0	0	0	0	0	0	Low	118.2	2.9	N.S.	No Data	N.S.		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R06S1.02S1.04	0	0	0	0	0	0	0	0	0	Unk.	261.1	17.6	Low	No Data	N.S.		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R06S1.02S1.06	89	8.5	0	0	0	0	0	0	0	Low	0	0	N.S.	No Data	N.S.		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R06S1.02S1.07	105	3.2	0	0	0	0	0	0	0	N.S.	0	0	N.S.	No Data	N.S.		N.S.	69	4.9	Low	244	17.5	High
R06S1.02S1.09	0	0	0	0	0	0	0	0	0	Unk.	396.1	6.3	Low	No Data	N.S.		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R06S1.03	None									N.S.	None		N.S.	Mid-channel	Low		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R06S1.04	None									N.S.	None		N.S.	No Data	N.S.		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R06S1.05	0	0	0	0	0	0	0	0	0	Unk.	174.3	3.8	N.S.	Mid-channel	Low		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R06S1.07	None									N.S.	None		N.S.	No Data	N.S.		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R08	5,684	92.5	0	0	0	0	0	0	0	High	0	0	N.S.	Mid-channel	Low	Migration	High	Not Applicable	N/A		Not Applicable	N/A	
R09	1,641	93	0	0	0	0	0	0	0	High	0	0	N.S.	Delta	N.S.		N.S.	82	1	High	82	1	High
R10	1,638	33.1	0	0	0	0	0	0	0	High	528.4	10.7	Low	Point	N.S.	Flood Chute	N.S.	Not Applicable	N/A		Not Applicable	N/A	
R11	2,756	27.1	0	0	0	0	0	0	0	High	1587.9	15.6	Low	Point	Low	Multiple	High	370	4.6	Low	644	8	N.S.
R12	2,145	68.1	0	0	0	0	0	0	0	High	1269.7	40.3	High	Point	N.S.		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R12S1.01	0	0	0	0	0	0	0	0	0	Unk.	0	0	N.S.	No Data	N.S.		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R12S1.02	None									N.S.	None		N.S.	No Data	N.S.		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R12S1.04	516	12.4	0	0	0	0	0	0	0	Low	690.8	16.5	Low	Multiple	Low	Flood Chute	N.S.	Not Applicable	N/A		Not Applicable	N/A	
R12S1.05	1,450	88.8	0	0	0	0	0	0	0	High	0	0	N.S.	No Data	N.S.		N.S.	16	1	High	16	1	High
R12S1.06	2,626	65.9	0	0	0	0	0	0	0	High	282.6	7.1	Low	Multiple	Low		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R12S1.07	240	15	0	0	0	0	0	0	0	Low	173.5	10.8	Low	No Data	N.S.		N.S.	8	1	High	8	1	High
R12S1.08	0	0	0	0	0	0	0	0	0	Unk.	0	0	N.S.	No Data	N.S.		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R13	1,318	41	0	0	0	0	0	0	0	High	983.4	30.6	High	None	N.S.		N.S.	Not Applicable	N/A		Not Applicable	N/A	
R14	0	0	0	0	0	0	0	0	0	Unk.	479.3	6.6	Low	None	N.S.	Migration	Low	Not Applicable	N/A		Not Applicable	N/A	
R15	724	50	0	0	0	0	0	0	0	High	824.4	56.9	High	Multiple	Low	Avulsion	Low	75	1	High	75	1	High
R16	133	9.6	0	0	0	0	0	0	0	Low	241.3	17.3	Low	Mid-channel	Low		N.S.	75	1	High	75	1	High
R16T2.01	0	0	0	0	0	0	0	0	0	Unk.	168.2	2.5	N.S.	Point	Low	Multiple	N.S.	241	4.8	Low	379	7.6	Low
R16T2.02	0	0	0	0	0	0	0	0	0	Unk.	658.4	40.3	High	No Data	N.S.	Neck Cutoff	N.S.	258	5.2	N.S.	564	11.4	N.S.
R16T2.03S1.01	309	3	0	0	0	0	0	0	0	N.S.	87.9	0.9	N.S.	Point	N.S.	Multiple	High	107	2.9	High	172	4.6	High
R16T2.03S1.02	0	0	0	0	0	0	0	0	0	Unk.	304.2	7	Low	Mid-channel	Low	Multiple	Low	109	3	Low	131	3.6	High
R16T2.03S1.06	695	10.2	0	0	169	2.5	0	0	0	Low	206.2	3	N.S.	Mid-channel	Low	Multiple	High	128	4.1	Low	208	6.7	Low
R16T2.03S1.07	954	26.7	0	0	0	0	0	0	0	High	456	12.7	Low	No Data	N.S.		N.S.	175	7.5	N.S.	285	12.3	N.S.
R16T2.03S1.09	0	0	0	0	0	0	0	0	0	Unk.	0	0	N.S.	No Data	N.S.		N.S.	Not Applicable	N/A		Not Applicable	N/A	

Phase 1 - Step 6. Floodplain Modification and Planform Changes

Basin: Waits, Ompompanosuc, Stevens, Wells

Watershed: Middle Northern Connecticut River

Sub-watershed: Ompompanosuc River

Step	6.1 Berms & Roads									6.2 Corridor Development			6.3 Depositional Features		6.4 Meander Migration		6.5 Meander Width Ratio			6.6 Wavelength Ratio			
	Reach ID	Road Len	%	RR Len	%	Path Len	%	Berm Len	%	Impact	Length	Percent	Impact	Type	Impact	Type	Impact	Width	Ratio	Impact	Length	Ratio	Impact
R16T2.03S1.10	604	21.6	0	0	0	0	0	0	0	High	98	3.5	N.S.	Mid-channel	Low		N.S.	Not Applicable	N/A	Not Applicable	N/A		
R16T2.03S1.12	None									N.S.	None		N.S.	No Data	N.S.		N.S.	Not Applicable	N/A	Not Applicable	N/A		
R16T2.03S1.13	None									N.S.	None		N.S.	No Data	N.S.		N.S.	Not Applicable	N/A	Not Applicable	N/A		
R16T2.03S1.14	None									N.S.	None		N.S.	No Data	N.S.		N.S.	Not Applicable	N/A	Not Applicable	N/A		
R16T2.03S1.15	None									N.S.	None		N.S.	No Data	N.S.		N.S.	Not Applicable	N/A	Not Applicable	N/A		
R16T2.04	143	5.2	0	0	0	0	0	0	0	Low	0	0	N.S.	Mid-channel	Low	Multiple	High	55	2.4	High	104	4.6	High
R16T2.05	0	0	0	0	0	0	0	0	0	Unk.	165.9	2.1	N.S.	No Data	N.S.	Multiple	High	174	7.8	N.S.	282	12.7	N.S.
R16T2.06	160	2.4	0	0	0	0	0	0	0	N.S.	320.4	4.7	N.S.	Point	N.S.		N.S.	110	6	N.S.	213	11.6	N.S.
R16T2.07	0	0	0	0	0	0	0	0	0	Unk.	98.2	6.2	Low	No Data	N.S.		N.S.	Not Applicable	N/A	Not Applicable	N/A		
R16T2.08	0	0	0	0	0	0	0	0	0	Unk.	0	0	N.S.	No Data	N.S.		N.S.	Not Applicable	N/A	Not Applicable	N/A		
R16T2.09	None									N.S.	None		N.S.	No Data	N.S.		N.S.	Not Applicable	N/A	Not Applicable	N/A		
R17	420	6.2	0	0	0	0	0	0	0	Low	1959.7	28.7	High	Point	Low	Multiple	High	263	4.4	Low	456	7.6	Low
R18	0	0	0	0	0	0	0	0	0	Unk.	305.2	5.7	Low	Point	N.S.		N.S.	59	1	High	59	1	High
R18T3.01	524	22.7	0	0	0	0	0	0	0	High	526.3	22.8	High	Point	N.S.	Avulsion	Low	160	4.5	Low	361	10.1	N.S.
R18T3.02	1,913	59	0	0	0	0	0	0	0	High	2196.3	67.7	High	Mid-channel	Low		N.S.	36	1	High	36	1	High
R18T3.03	2,976	66.7	0	0	0	0	0	0	0	High	977.8	21.9	High	Point	N.S.		N.S.	35	1	High	35	1	High
R18T3.04	160	6.7	0	0	0	0	0	0	0	Low	0	0	N.S.	No Data	N.S.		N.S.	175	6	N.S.	451	15.6	Low
R18T3.05	1,701	98.3	0	0	0	0	0	0	0	High	0	0	N.S.	No Data	N.S.		N.S.	28	1	High	28	1	High
R18T3.06	6,036	100	0	0	0	0	0	0	0	High	857.9	14.2	Low	No Data	N.S.	Migration	Low	Not Applicable	N/A	Not Applicable	N/A		
R18T3.07	2,041	61.1	0	0	0	0	0	0	0	High	409.1	12.2	Low	No Data	N.S.	Avulsion	Low	14	1	High	14	1	High
R18T3.08	None									N.S.	None		N.S.	No Data	N.S.		N.S.	Not Applicable	N/A	Not Applicable	N/A		
R19	0	0	0	0	0	0	0	0	0	Unk.	1669.2	27.1	High	Point	N.S.	Multiple	Low	49	1	High	49	1	High
R20	1,835	48.1	0	0	0	0	0	0	0	High	2779.4	72.9	High	No Data	N.S.		N.S.	48	1	High	48	1	High
R21	1,728	32.3	0	0	0	0	0	0	0	High	1013.7	18.9	Low	Point	N.S.	Migration	Low	47	1	High	47	1	High
R22	1,899	55.2	0	0	0	0	0	0	0	High	1194.6	34.7	High	Point	N.S.	Avulsion	Low	43	1	High	43	1	High
R23	3,229	65.1	0	0	0	0	0	0	0	High	177.1	3.6	N.S.	Mid-channel	Low		N.S.	42	1	High	42	1	High
R24	2,802	100	0	0	0	0	0	0	0	High	94.7	3.4	N.S.	Point	N.S.		N.S.	Not Applicable	N/A	Not Applicable	N/A		
R25	3,305	63.8	0	0	0	0	0	0	0	High	2307.8	44.6	High	Point	N.S.		N.S.	146	4	Low	455	12.3	N.S.
R26	5,199	66.3	0	0	0	0	0	0	0	High	4740.5	60.5	High	No Data	N.S.		N.S.	32	1	High	32	1	High
R27	946	37.9	0	0	0	0	0	0	0	High	451.1	18.1	Low	Multiple	Low		N.S.	Not Applicable	N/A	Not Applicable	N/A		
R28	0	0	0	0	0	0	0	0	0	Unk.	208.7	3.8	N.S.	No Data	N.S.	Multiple	High	115	5.3	N.S.	309	14.3	Low
R29	0	0	0	0	0	0	0	0	0	Unk.	0	0	N.S.	No Data	N.S.		N.S.	Not Applicable	N/A	Not Applicable	N/A		
R31	0	0	0	0	0	0	0	0	0	Unk.	0	0	N.S.	No Data	N.S.		N.S.	Not Applicable	N/A	Not Applicable	N/A		
R33	0	0	0	0	0	0	0	0	0	Unk.	0	0	N.S.	No Data	N.S.		N.S.	Not Applicable	N/A	Not Applicable	N/A		
M01	3,812	30.5	0	0	0	0	0	0	0	High	306.3	2.5	N.S.	Mid-channel	High	Multiple	High	79	1	High	79	1	High
M02	7,531	99.8	0	0	0	0	0	0	0	High	3134.7	41.5	High	Point	N.S.	Avulsion	Low	77	1	High	77	1	High
T1.01	3,422	27.7	0	0	0	0	0	0	0	High	841.8	6.8	Low	Mid-channel	Low		N.S.	186	5.4	N.S.	495	14.3	Low
T1.02	4,692	45.4	0	0	0	0	0	0	0	High	1128.8	10.9	Low	Multiple	Low		N.S.	Not Applicable	N/A	Not Applicable	N/A		
T1.03	1,912	19.2	0	0	0	0	0	0	0	Low	0	0	N.S.	No Data	N.S.	Migration	Low	78	4.9	Low	277	17.4	High
T1.S1.01	0	0	0	0	0	0	0	0	0	Unk.	255.9	1.7	N.S.	Multiple	Low		N.S.	66	3.5	Low	170	8.9	N.S.
T1.S2.01	1,251	32.2	0	0	0	0	0	0	0	High	250.8	6.4	Low	No Data	N.S.		N.S.	58	4	Low	121	8.4	N.S.

Phase 1 - Step 7. Bed and Bank Windshield Survey

Basin: Waits, Ompompanosuc, Stevens, Wells

Watershed: Middle Northern Connecticut River

Sub-watershed: Ompompanosuc River

Step	2.11 Stream Type					7.1 Bank Erosion - Bank Height			7.2 Ice & Debris Jam Potential	
Reach ID	Reference Stream Type	Mod. Ref. Stream Type	Dominant Bedform	Subclass Slope	Dominant Bed Material	Bank Erosion	Bank Height	Impact	Type	Impact
R01	E	No	Dune-Ripple	None	Sand	0	0	Unk.	Multiple	High
R02	E	No	Dune-Ripple	None	Sand	67.69	2	N.S.	Bridge	Low
R03	C	No	Riffle-Pool	None	Gravel	728.88	4.62	Low	Multiple	Low
R04	B	No	Riffle-Pool	c	Gravel	0	0	Unk.	Not Evaluated	N.D.
R05	C	No	Riffle-Pool	None	Gravel	38.95	2	N.S.	None	N.S.
R06	B	No	Plane Bed	c	Gravel	103.25	4	N.S.	Bridge	Low
R06S1.01	C	No	Riffle-Pool	b	Gravel	96.86	3	N.S.	Multiple	Low
R06S1.02	B	No	Step-Pool	a	Gravel	109.56	1	N.S.	Multiple	Low
R06S1.02S1.01	B	No	Plane Bed	None	Gravel	0	0	Unk.	Not Evaluated	N.D.
R06S1.02S1.02	A	No	Step-Pool	None	Boulder			Unk.	Not Evaluated	N.D.
R06S1.02S1.03	C	No	Riffle-Pool	None	Sand	0	0	Unk.	Bend	Low
R06S1.02S1.04	B	No	Step-Pool	a	Gravel	0	0	Unk.	Multiple	Low
R06S1.02S1.06	B	No	Riffle-Pool	a	Gravel	0	0	Unk.	Multiple	High
R06S1.02S1.07	E	No	Dune-Ripple	None	Sand	248.54	2.45	N.S.	Multiple	High
R06S1.02S1.09	C	No	Riffle-Pool	b	Gravel	0	0	Unk.	Culvert	Low
R06S1.03	A	No	Cascade	None	Boulder			Unk.	Not Evaluated	N.D.
R06S1.04	B	No	Plane Bed	None	Gravel			Unk.	Not Evaluated	N.D.
R06S1.05	B	No	Riffle-Pool	a	Gravel	54.67	3	N.S.	Multiple	High
R06S1.07	B	No	Step-Pool	a	Cobble			Unk.	Not Evaluated	N.D.
R08	B	No	Step-Pool	None	Cobble	0	0	Unk.	Not Evaluated	N.D.
R09	C	No	Riffle-Pool	None	Cobble	0	0	Unk.	Not Evaluated	N.D.
R10	C	No	Riffle-Pool	None	Gravel	569.35	7.02	N.S.	Multiple	Low
R11	E	No	Dune-Ripple	None	Sand	0	0	Unk.	Bend	Low
R12	B	No	Riffle-Pool	c	Gravel	0	0	Unk.	Bridge	Low
R12S1.01	B	No	Step-Pool	None	Cobble	0	0	Unk.	Not Evaluated	N.D.
R12S1.02	A	No	Step-Pool	None	Boulder			Unk.	Not Evaluated	N.D.
R12S1.04	B	No	Step-Pool	None	Gravel	212.78	3	Low	Multiple	High

Phase 1 - Step 7. Bed and Bank Windshield Survey

Basin: Waits, Ompompanosuc, Stevens, Wells

Watershed: Middle Northern Connecticut River

Sub-watershed: Ompompanosuc River

Step	2.11 Stream Type					7.1 Bank Erosion - Bank Height			7.2 Ice & Debris Jam Potential	
	Reference Stream Type	Mod. Ref. Stream Type	Dominant Bedform	Subclass Slope	Dominant Bed Material	Bank Erosion	Bank Height	Impact	Type	Impact
R12S1.05	C	No	Step-Pool	b	Gravel	77.25	4	N.S.	Culvert	Low
R12S1.06	B	No	Step-Pool	a	Cobble	322	3	N.S.	Culvert	Low
R12S1.07	C	No	Riffle-Pool	b	Gravel	132.36	3	N.S.	Culvert	Low
R12S1.08	A	No	Cascade	None	Boulder	0	0	Unk.	None	N.S.
R13	C	No	Riffle-Pool	None	Gravel	61.67	4	N.S.	None	N.S.
R14	B	No	Plane Bed	c	Gravel	0	0	Unk.	Not Evaluated	N.D.
R15	C	No	Riffle-Pool	None	Gravel	0	0	Unk.	Multiple	High
R16	C	No	Riffle-Pool	None	Gravel	476.8	4	Low	Multiple	High
R16T2.01	E	No	Dune-Ripple	None	Sand	0	0	Unk.	Not Evaluated	N.D.
R16T2.02	E	No	Dune-Ripple	None	Sand	0	0	Unk.	Not Evaluated	N.D.
R16T2.03S1.01	E	No	Dune-Ripple	None	Sand	0	0	Unk.	Bridge	Low
R16T2.03S1.02	E	No	Dune-Ripple	None	Sand	0	0	Unk.	Multiple	Low
R16T2.03S1.06	C	No	Riffle-Pool	None	Gravel	39.82	2	N.S.	Bridge	Low
R16T2.03S1.07	C	No	Riffle-Pool	None	Gravel	34.4	2	N.S.	Culvert	Low
R16T2.03S1.09	C	No	Riffle-Pool	None	Gravel	0	0	Unk.	Not Evaluated	N.D.
R16T2.03S1.10	C	No	Riffle-Pool	b	Gravel	0	0	Unk.	Multiple	High
R16T2.03S1.12	C	No	Riffle-Pool	b	Gravel			Unk.	Not Evaluated	N.D.
R16T2.03S1.13	C	No	Riffle-Pool	None	Gravel			Unk.	Not Evaluated	N.D.
R16T2.03S1.14	A	No	Step-Pool	None	Boulder			Unk.	Not Evaluated	N.D.
R16T2.03S1.15	A	No	Cascade	None	Boulder			Unk.	Not Evaluated	N.D.
R16T2.04	E	No	Dune-Ripple	None	Sand	609.74	1.96	Low	Bridge	Low
R16T2.05	C	No	Riffle-Pool	None	Gravel	0	0	Unk.	Culvert	Low
R16T2.06	C	No	Riffle-Pool	b	Gravel	34.57	1	N.S.	Culvert	Low
R16T2.07	B	No	Step-Pool	None	Cobble	0	0	Unk.	Not Evaluated	N.D.
R16T2.08	B	No	Riffle-Pool	a	Gravel	26.43	2	N.S.	Culvert	Low
R16T2.09	A	No	Cascade	None	Boulder			Unk.	Not Evaluated	N.D.
R17	C	No	Dune-Ripple	None	Sand	674.52	3.35	N.S.	Multiple	Low

Phase 1 - Step 7. Bed and Bank Windshield Survey

Basin: Waits, Ompompanosuc, Stevens, Wells

Watershed: Middle Northern Connecticut River

Sub-watershed: Ompompanosuc River

Step	2.11 Stream Type					7.1 Bank Erosion - Bank Height			7.2 Ice & Debris Jam Potential	
Reach ID	Reference Stream Type	Mod. Ref. Stream Type	Dominant Bedform	Subclass Slope	Dominant Bed Material	Bank Erosion	Bank Height	Impact	Type	Impact
R18	C	No	Riffle-Pool	None	Gravel	625.33	4	N.S.	Multiple	Low
R18T3.01	C	No	Riffle-Pool	None	Gravel	0	0	Unk.	Multiple	Low
R18T3.02	C	No	Riffle-Pool	b	Cobble	209.55	2.18	N.S.	Multiple	Low
R18T3.03	C	No	Riffle-Pool	b	Cobble	125.37	5.33	N.S.	Multiple	Low
R18T3.04	C	No	Riffle-Pool	b	Cobble	0	0	Unk.	Multiple	Low
R18T3.05	C	No	Step-Pool	b	Cobble	40.59	4	N.S.	Culvert	Low
R18T3.06	B	No	Step-Pool	None	Cobble	191.24	4.72	N.S.	Multiple	Low
R18T3.07	C	No	Riffle-Pool	b	Gravel	311.98	4.03	N.S.	Culvert	Low
R18T3.08	A	No	Cascade	None	Boulder			Unk.	Not Evaluated	N.D.
R19	C	No	Riffle-Pool	None	Gravel	0	0	Unk.	Multiple	Low
R20	C	No	Riffle-Pool	None	Gravel	139.94	2	N.S.	Multiple	Low
R21	C	No	Riffle-Pool	None	Gravel	92.05	2	N.S.	Multiple	High
R22	C	No	Riffle-Pool	None	Cobble	354.3	3.44	N.S.	Multiple	Low
R23	C	No	Riffle-Pool	None	Cobble	769.84	2.21	N.S.	Multiple	Low
R24	B	No	Step-Pool	c	Cobble	260.15	2.65	N.S.	Multiple	Low
R25	C	No	Step-Pool	b	Cobble	187.42	2.25	N.S.	Multiple	Low
R26	C	No	Step-Pool	b	Cobble	0	0	Unk.	Multiple	Low
R27	B	No	Step-Pool	None	Cobble	55.08	2	N.S.	Multiple	High
R28	C	No	Riffle-Pool	None	Gravel	71.03	3	N.S.	Multiple	High
R29	B	No	Step-Pool	None	Cobble	0	0	Unk.	Not Evaluated	N.D.
R31	A	No	Step-Pool	None	Boulder	0	0	Unk.	Not Evaluated	N.D.
R33	C	No	Riffle-Pool	b	Gravel	0	0	Unk.	Multiple	High
M01	C	No	Riffle-Pool	None	Cobble	0	0	Unk.	Multiple	High
M02	C	No	Riffle-Pool	None	Cobble	190.06	4.91	N.S.	None	N.S.
T1.01	C	No	Riffle-Pool	b	Cobble	682.22	4.05	N.S.	Bridge	Low
T1.02	B	No	Step-Pool	None	Cobble	327.86	3	N.S.	Multiple	Low
T1.03	C	No	Riffle-Pool	b	Gravel	129.91	1	N.S.	Multiple	High
T1.S1.01	C	No	Riffle-Pool	b	Gravel	137.71	2	N.S.	Bridge	Low
T1.S2.01	E	No	Dune-Ripple	b	Sand	18.69	10	N.S.	Multiple	Low

Phase 1 - Step 8. Stream and Watershed Impact Rating

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

Reach ID	Stream Type				Confinement Type	Watershed Area	Step Number with Impact Score														Total Score		
	Stream Type	Bed Material	Subclass Slope	Bed Feature			0 = Not Significant or No Data 1 = Low 2 = High																
	Type	Material	Slope	Bed Feature			4.1	4.2	4.3	5.1	5.2	5.3	5.4	5.5	6.1	6.2	6.3	6.4	6.5	6.6		7.2	7.3
R01	E	Sand	None	Dune-Ripple	VB	136.9	1	2	2	0	2	1	2	0	2	2	0	0	2	2	0	2	20
R02	E	Sand	None	Dune-Ripple	NW	135.7	1	2	2	0	2	2	2	0	2	2	0	0	2	2	0	1	20
R03	C	Gravel	None	Riffle-Pool	VB	135.6	1	2	2	0	0	0	2	0	2	1	0	1	2	2	1	1	17
R04	B	Gravel	c	Riffle-Pool	SC	133.4	1	1	1	0	0	0	2	0	2	1	0	0	0	0	0	0	8
R05	C	Gravel	None	Riffle-Pool	BD	132	1	2	2	0	0	0	2	0	2	2	0	1	2	2	0	0	16
R06	B	Gravel	c	Plane Bed	SC	130.7	1	2	2	2	1	1	2	0	2	2	0	0	0	0	0	1	16
R06S1.01	C	Gravel	b	Riffle-Pool	VB	5	1	2	2	0	1	2	2	0	0	2	0	0	2	2	0	1	17
R06S1.02	B	Gravel	a	Step-Pool	SC	5	1	1	1	0	1	2	2	0	0	0	1	0	0	0	0	1	10
R06S1.02S1.01	B	Gravel	None	Plane Bed	NW	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
R06S1.02S1.02	A	Boulder	None	Step-Pool	NC	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
R06S1.02S1.03	C	Sand	None	Riffle-Pool	VB	1.9	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	1	5
R06S1.02S1.04	B	Gravel	a	Step-Pool	NW	1.7	1	2	1	0	1	1	0	0	0	1	0	0	0	0	0	1	8
R06S1.02S1.06	B	Gravel	a	Riffle-Pool	NW	1.2	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	4
R06S1.02S1.07	E	Sand	None	Dune-Ripple	VB	1.2	1	2	0	1	1	0	0	0	0	0	0	1	2	0	0	2	10
R06S1.02S1.09	C	Gravel	b	Riffle-Pool	VB	0.7	1	1	2	0	0	0	0	0	0	1	0	0	0	0	0	1	6
R06S1.03	A	Boulder	None	Cascade	NC	2.9	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
R06S1.04	B	Gravel	None	Plane Bed	SC	2.8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
R06S1.05	B	Gravel	a	Riffle-Pool	NW	0.6	1	1	2	0	0	0	0	0	0	0	1	0	0	0	0	2	7
R06S1.07	B	Cobble	a	Step-Pool	SC	0.2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
R08	B	Cobble	None	Step-Pool	NW	64.8	1	2	2	0	0	0	2	0	2	0	1	2	0	0	0	0	12
R09	C	Cobble	None	Riffle-Pool	VB	64.1	1	2	2	0	0	0	2	0	2	0	0	0	2	2	0	0	13
R10	C	Gravel	None	Riffle-Pool	NW	62.9	1	2	1	0	1	1	2	0	2	1	0	0	0	0	0	1	12
R11	E	Sand	None	Dune-Ripple	VB	61.1	1	1	2	0	0	0	1	0	2	1	1	2	1	0	0	1	13
R12	B	Gravel	c	Riffle-Pool	NC	57.6	1	2	0	0	1	1	1	0	2	2	0	0	0	0	0	1	11
R12S1.01	B	Cobble	None	Step-Pool	NW	2.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
R12S1.02	A	Boulder	None	Step-Pool	NC	2.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
R12S1.04	B	Gravel	None	Step-Pool	NW	2.1	1	1	1	0	1	1	0	0	1	1	1	0	0	0	1	2	11
R12S1.05	C	Gravel	b	Step-Pool	VB	1.5	1	2	2	0	1	0	2	0	2	0	0	0	2	2	0	1	15
R12S1.06	B	Cobble	a	Step-Pool	NW	1.3	1	2	2	0	1	0	0	0	2	1	1	0	0	0	0	1	11
R12S1.07	C	Gravel	b	Riffle-Pool	VB	0.3	1	2	2	0	2	0	2	0	1	1	0	0	2	2	0	1	16
R12S1.08	A	Boulder	None	Cascade	NC	0.2	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4
R13	C	Gravel	None	Riffle-Pool	NW	54.9	1	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	5
R14	B	Gravel	c	Plane Bed	SC	54.6	1	1	1	0	0	0	1	0	0	1	0	1	0	0	0	0	6
R15	C	Gravel	None	Riffle-Pool	NW	53.1	1	2	2	0	2	2	2	0	2	2	1	1	2	2	0	2	23
R16	C	Gravel	None	Riffle-Pool	BD	53	1	2	0	0	0	0	2	0	1	1	1	0	2	2	1	2	15
R16T2.01	E	Sand	None	Dune-Ripple	VB	20.8	1	1	1	0	0	0	0	0	0	0	1	0	1	1	0	0	6

Phase 1 - Step 8. Stream and Watershed Impact Rating

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

Reach ID	Stream Type				Confinement Type	Watershed Area	Step Number with Impact Score														Total Score		
	Stream Type	Bed Material	Subclass Slope	Bed Feature			0 = Not Significant or No Data 1 = Low 2 = High																
							4.1	4.2	4.3	5.1	5.2	5.3	5.4	5.5	6.1	6.2	6.3	6.4	6.5	6.6		7.2	7.3
R16T2.02	E	Sand	None	Dune-Ripple	VB	20.4	1	1	0	2	0	0	0	0	0	2	0	0	0	0	0	0	6
R16T2.03S1.01	E	Sand	None	Dune-Ripple	VB	10.6	1	1	2	0	0	0	0	0	0	0	2	2	2	0	1	1	11
R16T2.03S1.02	E	Sand	None	Dune-Ripple	VB	9.9	1	1	2	1	1	0	2	0	0	1	1	1	1	2	0	1	15
R16T2.03S1.06	C	Gravel	None	Riffle-Pool	VB	7.1	1	2	2	0	0	0	0	0	1	0	1	2	1	1	0	1	12
R16T2.03S1.07	C	Gravel	None	Riffle-Pool	VB	3.7	1	2	1	0	1	1	1	0	2	1	0	0	0	0	0	1	11
R16T2.03S1.09	C	Gravel	None	Riffle-Pool	VB	2.8	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3
R16T2.03S1.10	C	Gravel	b	Riffle-Pool	VB	1.9	1	2	1	1	1	0	0	0	2	0	1	0	0	0	0	2	11
R16T2.03S1.12	C	Gravel	b	Riffle-Pool	VB	0.8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
R16T2.03S1.13	C	Gravel	None	Riffle-Pool	VB	0.7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
R16T2.03S1.14	A	Boulder	None	Step-Pool	NC	0.4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
R16T2.03S1.15	A	Boulder	None	Cascade	NC	0.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
R16T2.04	E	Sand	None	Dune-Ripple	VB	3.5	1	2	2	0	1	0	1	0	1	0	1	2	2	2	1	1	17
R16T2.05	C	Gravel	None	Riffle-Pool	VB	3.3	1	1	2	0	0	0	1	0	0	0	0	2	0	0	0	1	8
R16T2.06	C	Gravel	b	Riffle-Pool	VB	2.2	1	1	2	0	0	0	1	0	0	0	0	0	0	0	0	1	6
R16T2.07	B	Cobble	None	Step-Pool	SC	0.5	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3
R16T2.08	B	Gravel	a	Riffle-Pool	BD	0.5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	4
R16T2.09	A	Boulder	None	Cascade	NC	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R17	C	Sand	None	Dune-Ripple	VB	32.1	1	2	2	0	1	0	1	0	1	2	1	2	1	1	0	1	16
R18	C	Gravel	None	Riffle-Pool	VB	30.7	1	2	2	0	1	0	2	0	0	1	0	0	2	2	0	1	14
R18T3.01	C	Gravel	None	Riffle-Pool	VB	9.9	1	2	2	0	1	1	2	0	2	2	0	1	1	0	0	1	16
R18T3.02	C	Cobble	b	Riffle-Pool	VB	9.6	1	2	2	0	2	1	2	0	2	2	1	0	2	2	0	1	20
R18T3.03	C	Cobble	b	Riffle-Pool	BD	9.2	1	2	2	0	1	1	2	0	2	2	0	0	2	2	0	1	18
R18T3.04	C	Cobble	b	Riffle-Pool	VB	6.1	1	2	0	0	0	0	2	0	1	0	0	0	0	1	0	1	8
R18T3.05	C	Cobble	b	Step-Pool	BD	5.5	1	2	2	0	0	0	2	0	2	0	0	0	2	2	0	1	14
R18T3.06	B	Cobble	None	Step-Pool	NW	2.7	1	2	2	0	0	1	2	0	2	1	0	1	0	0	0	1	13
R18T3.07	C	Gravel	b	Riffle-Pool	VB	1.2	1	2	2	0	1	1	2	0	2	1	0	1	2	2	0	1	18
R18T3.08	A	Boulder	None	Cascade	NC	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R19	C	Gravel	None	Riffle-Pool	VB	19.6	1	2	2	1	1	1	2	0	0	2	0	1	2	2	0	1	18
R20	C	Gravel	None	Riffle-Pool	VB	19.1	1	2	2	0	1	1	2	0	2	2	0	0	2	2	0	1	18
R21	C	Gravel	None	Riffle-Pool	VB	18.6	1	2	2	0	1	1	2	0	2	1	0	1	2	2	0	2	19
R22	C	Cobble	None	Riffle-Pool	VB	14.6	1	2	2	0	2	1	2	0	2	2	0	1	2	2	0	1	20
R23	C	Cobble	None	Riffle-Pool	BD	14.3	1	2	2	0	0	2	2	0	2	0	1	0	2	2	0	1	17
R24	B	Cobble	c	Step-Pool	NW	12.7	1	2	2	0	1	0	2	0	2	0	0	0	0	0	0	1	11
R25	C	Cobble	b	Step-Pool	VB	10.5	1	2	2	0	1	1	2	0	2	2	0	0	1	0	0	1	15
R26	C	Cobble	b	Step-Pool	VB	7.5	1	2	2	0	1	2	2	0	2	2	0	0	2	2	0	1	19
R27	B	Cobble	None	Step-Pool	NW	4.3	1	2	2	0	0	2	2	0	2	1	1	0	0	0	0	2	15

Phase 1 - Step 8. Stream and Watershed Impact Rating

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

Reach ID	Stream Type				Confinement Type	Watershed Area	Step Number with Impact Score														Total Score		
	Stream Type	Bed Material	Subclass Slope	Bed Feature			0 = Not Significant or No Data 1 = Low 2 = High																
							4.1	4.2	4.3	5.1	5.2	5.3	5.4	5.5	6.1	6.2	6.3	6.4	6.5	6.6		7.2	7.3
R28	C	Gravel	None	Riffle-Pool	VB	3.1	1	1	0	0	0	0	0	0	0	0	0	2	0	1	0	2	7
R29	B	Cobble	None	Step-Pool	SC	1.3	1	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	5
R31	A	Boulder	None	Step-Pool	NC	0.8	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	5
R33	C	Gravel	b	Riffle-Pool	VB	0.5	1	2	1	0	1	0	0	0	0	0	0	0	0	0	0	2	7
M01	C	Cobble	None	Riffle-Pool	BD	60	1	2	2	0	1	0	2	0	2	0	2	2	2	2	0	2	20
M02	C	Cobble	None	Riffle-Pool	BD	56.5	1	2	2	0	0	1	2	0	2	2	0	1	2	2	0	0	17
T1.01	C	Cobble	b	Riffle-Pool	NW	9.1	1	2	2	0	1	1	2	0	2	1	1	0	0	1	0	1	15
T1.02	B	Cobble	None	Step-Pool	NW	4.6	1	2	2	0	0	0	1	0	2	1	1	0	0	0	0	1	11
T1.03	C	Gravel	b	Riffle-Pool	NW	1.6	1	2	2	0	0	0	0	0	1	0	0	1	1	2	0	2	12
T1.S1.01	C	Gravel	b	Riffle-Pool	VB	2.4	1	1	0	0	0	0	0	0	0	0	1	0	1	0	0	1	5
T1.S2.01	E	Sand	b	Dune-Ripple	VB	1.2	1	2	2	1	1	0	0	0	2	1	0	0	1	0	0	1	12

Phase 1 - Step 8. Summary of Categorical Impacts

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

Reach ID	Stream or Tributary	Stream Type				Step 4	Step 5	Step 6	Step 7	
		Stream Type	Bed Material	Subclass		Land	Instream	Floodplain	Bed & Bank	
				Slope	Bedform	Total (out of 32)	Use (out of 6)	Modification (out of 10)	Modification (out of 12)	Survey (out of 4)
R01	Ompompanosuc River	E	Sand	None	Dune-Ripple	20	5	5	8	2
R02	Ompompanosuc River	E	Sand	None	Dune-Ripple	20	5	6	8	1
R03	Ompompanosuc River	C	Gravel	None	Riffle-Pool	17	5	2	8	2
R04	Ompompanosuc River	B	Gravel	c	Riffle-Pool	8	3	2	3	0
R05	Ompompanosuc River	C	Gravel	None	Riffle-Pool	16	5	2	9	0
R06	Ompompanosuc River	B	Gravel	c	Plane Bed	16	5	6	4	1
R06S1.01	Avery Brook	C	Gravel	b	Riffle-Pool	17	5	5	6	1
R06S1.02	Avery Brook	B	Gravel	a	Step-Pool	10	3	5	1	1
R06S1.02S1.01	Tributary 1 to Avery Brook	B	Gravel	None	Plane Bed	1	1	0	0	0
R06S1.02S1.02	Tributary 1 to Avery Brook	A	Boulder	None	Step-Pool	1	1	0	0	0
R06S1.02S1.03	Tributary 1 to Avery Brook	C	Sand	None	Riffle-Pool	5	3	0	1	1
R06S1.02S1.04	Tributary 1 to Avery Brook	B	Gravel	a	Step-Pool	8	4	2	1	1
R06S1.02S1.06	Tributary 1 to Avery Brook	B	Gravel	a	Riffle-Pool	4	1	0	1	2
R06S1.02S1.07	Tributary 1 to Avery Brook	E	Sand	None	Dune-Ripple	10	3	2	3	2
R06S1.02S1.09	Tributary 1 to Avery Brook	C	Gravel	b	Riffle-Pool	6	4	0	1	1
R06S1.03	Avery Brook	A	Boulder	None	Cascade	2	1	0	1	0
R06S1.04	Avery Brook	B	Gravel	None	Plane Bed	1	1	0	0	0
R06S1.05	Avery Brook	B	Gravel	a	Riffle-Pool	7	4	0	1	2
R06S1.07	Avery Brook	B	Cobble	a	Step-Pool	1	1	0	0	0
R08	Ompompanosuc River	B	Cobble	None	Step-Pool	12	5	2	5	0
R09	Ompompanosuc River	C	Cobble	None	Riffle-Pool	13	5	2	6	0
R10	Ompompanosuc River	C	Gravel	None	Riffle-Pool	12	4	4	3	1
R11	Ompompanosuc River	E	Sand	None	Dune-Ripple	13	4	1	7	1
R12	Ompompanosuc River	B	Gravel	c	Riffle-Pool	11	3	3	4	1
R12S1.01	Barker Brook	B	Cobble	None	Step-Pool	1	1	0	0	0
R12S1.02	Barker Brook	A	Boulder	None	Step-Pool	1	1	0	0	0
R12S1.04	Barker Brook	B	Gravel	None	Step-Pool	11	3	2	3	3
R12S1.05	Barker Brook	C	Gravel	b	Step-Pool	15	5	3	6	1
R12S1.06	Barker Brook	B	Cobble	a	Step-Pool	11	5	1	4	1
R12S1.07	Barker Brook	C	Gravel	b	Riffle-Pool	16	5	4	6	1

Phase 1 - Step 8. Summary of Categorical Impacts

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

Reach ID	Stream or Tributary	Stream Type				Step 4	Step 5	Step 6	Step 7	
		Stream Type	Bed Material	Subclass Slope	Bedform	Land	Instream	Floodplain	Bed & Bank	
						Total	Use	Modification	Modification	Survey
R12S1.08	Barker Brook	A	Boulder	None	Cascade	4	4	0	0	0
R13	Ompompanosuc River	C	Gravel	None	Riffle-Pool	5	1	0	4	0
R14	Ompompanosuc River	B	Gravel	c	Plane Bed	6	3	1	2	0
R15	Ompompanosuc River	C	Gravel	None	Riffle-Pool	23	5	6	10	2
R16	Ompompanosuc River	C	Gravel	None	Riffle-Pool	15	3	2	7	3
R16T2.01	Blood Brook	E	Sand	None	Dune-Ripple	6	3	0	3	0
R16T2.02	Blood Brook	E	Sand	None	Dune-Ripple	6	2	2	2	0
R16T2.03S1.01	Middle Brook	E	Sand	None	Dune-Ripple	11	4	0	6	1
R16T2.03S1.02	Middle Brook	E	Sand	None	Dune-Ripple	15	4	4	6	1
R16T2.03S1.06	Middle Brook	C	Gravel	None	Riffle-Pool	12	5	0	6	1
R16T2.03S1.07	Middle Brook	C	Gravel	None	Riffle-Pool	11	4	3	3	1
R16T2.03S1.09	Middle Brook	C	Gravel	None	Riffle-Pool	3	3	0	0	0
R16T2.03S1.10	Middle Brook	C	Gravel	b	Riffle-Pool	11	4	2	3	2
R16T2.03S1.12	Middle Brook	C	Gravel	b	Riffle-Pool	1	1	0	0	0
R16T2.03S1.13	Middle Brook	C	Gravel	None	Riffle-Pool	1	1	0	0	0
R16T2.03S1.14	Middle Brook	A	Boulder	None	Step-Pool	1	1	0	0	0
R16T2.03S1.15	Middle Brook	A	Boulder	None	Cascade	1	1	0	0	0
R16T2.04	Blood Brook	E	Sand	None	Dune-Ripple	17	5	2	8	2
R16T2.05	Blood Brook	C	Gravel	None	Riffle-Pool	8	4	1	2	1
R16T2.06	Blood Brook	C	Gravel	b	Riffle-Pool	6	4	1	0	1
R16T2.07	Blood Brook	B	Cobble	None	Step-Pool	3	2	0	1	0
R16T2.08	Blood Brook	B	Gravel	a	Riffle-Pool	4	3	0	0	1
R16T2.09	Blood Brook	A	Boulder	None	Cascade	0	0	0	0	0
R17	Ompompanosuc River	C	Sand	None	Dune-Ripple	16	5	2	8	1
R18	Ompompanosuc River	C	Gravel	None	Riffle-Pool	14	5	3	5	1
R18T3.01	Tributary 3 to Ompompanosuc River	C	Gravel	None	Riffle-Pool	16	5	4	6	1
R18T3.02	Tributary 3 to Ompompanosuc River	C	Cobble	b	Riffle-Pool	20	5	5	9	1

Phase 1 - Step 8. Summary of Categorical Impacts

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

Reach ID	Stream or Tributary	Stream Type				Step 4	Step 5	Step 6	Step 7	
		Stream Type	Bed Material	Subclass		Land	Instream	Floodplain	Bed & Bank	
				Slope	Bedform	Total	Use	Modification	Modification	Survey
					(out of 32)	(out of 6)	(out of 10)	(out of 12)	(out of 4)	
R18T3.03	Tributary 3 to Ompompanosuc River	C	Cobble	b	Riffle-Pool	18	5	4	8	1
R18T3.04	Tributary 3 to Ompompanosuc River	C	Cobble	b	Riffle-Pool	8	3	2	2	1
R18T3.05	Tributary 3 to Ompompanosuc River	C	Cobble	b	Step-Pool	14	5	2	6	1
R18T3.06	Tributary 3 to Ompompanosuc River	B	Cobble	None	Step-Pool	13	5	3	4	1
R18T3.07	Tributary 3 to Ompompanosuc River	C	Gravel	b	Riffle-Pool	18	5	4	8	1
R18T3.08	Tributary 3 to Ompompanosuc River	A	Boulder	None	Cascade	0	0	0	0	0
R19	Ompompanosuc River	C	Gravel	None	Riffle-Pool	18	5	5	7	1
R20	Ompompanosuc River	C	Gravel	None	Riffle-Pool	18	5	4	8	1
R21	Ompompanosuc River	C	Gravel	None	Riffle-Pool	19	5	4	8	2
R22	Ompompanosuc River	C	Cobble	None	Riffle-Pool	20	5	5	9	1
R23	Ompompanosuc River	C	Cobble	None	Riffle-Pool	17	5	4	7	1
R24	Ompompanosuc River	B	Cobble	c	Step-Pool	11	5	3	2	1
R25	Ompompanosuc River	C	Cobble	b	Step-Pool	15	5	4	5	1
R26	Ompompanosuc River	C	Cobble	b	Step-Pool	19	5	5	8	1
R27	Ompompanosuc River	B	Cobble	None	Step-Pool	15	5	4	4	2
R28	Ompompanosuc River	C	Gravel	None	Riffle-Pool	7	2	0	3	2
R29	Ompompanosuc River	B	Cobble	None	Step-Pool	5	4	1	0	0
R31	Ompompanosuc River	A	Boulder	None	Step-Pool	5	5	0	0	0
R33	Ompompanosuc River	C	Gravel	b	Riffle-Pool	7	4	1	0	2
M01	West Branch Ompompanosuc	C	Cobble	None	Riffle-Pool	20	5	3	10	2
M02	West Branch Ompompanosuc	C	Cobble	None	Riffle-Pool	17	5	3	9	0
T1.01	Abbot Brook	C	Cobble	b	Riffle-Pool	15	5	4	5	1
T1.02	Abbot Brook	B	Cobble	None	Step-Pool	11	5	1	4	1
T1.03	Abbot Brook	C	Gravel	b	Riffle-Pool	12	5	0	5	2
T1.S1.01	Unnamed Tributary	C	Gravel	b	Riffle-Pool	5	2	0	2	1
T1.S2.01	Unnamed Tributary	E	Sand	b	Dune-Ripple	12	5	2	4	1
Total Scores						861 (out of 2656)	303	165	319	74
Percent of Each Impact Category						32.40%	35.20%	19.20%	37.00%	8.60%

Phase 1 - Step 9. Adjustment Process and Reach Condition

Basin: Waits, Ompompanosuc, Stevens, Wells

Watershed: Middle Northern Connecticut River

Sub-watershed: Ompompanosuc River

Reach ID	Confinement Type	Stream Type				Watershed Area	Total Impact	9.1 Predicted Adjustment Scores				9.2 Reach Condition		9.3 Reach Sensitivity
		Stream Type	Bed Material	Subclass				Degrad.	Aggrad.	Widen.	Planf.	Project	Statewide	
				Slope	Bedform									
R01	VB	E	Sand	None	Dune-Ripple	136.91	20	10	11	5	12	Poor	Fair	High
R02	NW	E	Sand	None	Dune-Ripple	135.71	20	12	9	5	14	Poor	Fair	High
R03	VB	C	Gravel	None	Riffle-Pool	135.58	17	6	7	5	8	Fair	Good	High
R04	SC	B	Gravel	c	Riffle-Pool	133.44	8	6	5	3	2	Good	Good	Moderate
R05	BD	C	Gravel	None	Riffle-Pool	132.04	16	8	7	5	10	Fair	Fair	High
R06	SC	B	Gravel	c	Plane Bed	130.69	16	11	9	7	10	Poor	Fair	Moderate
R06S1.01	VB	C	Gravel	b	Riffle-Pool	5.04	17	9	7	5	13	Fair	Fair	High
R06S1.02	SC	B	Gravel	a	Step-Pool	5	10	7	5	3	5	Fair	Good	Moderate
R06S1.02S1.01	NW	B	Gravel	None	Plane Bed	2.01	1	2	1	0	0	Reference	Reference	Moderate
R06S1.02S1.02	NC	A	Boulder	None	Step-Pool	2	1	2	1	0	0	Reference	Reference	Very Low
R06S1.02S1.03	VB	C	Sand	None	Riffle-Pool	1.94	5	2	3	0	0	Reference	Reference	High
R06S1.02S1.04	NW	B	Gravel	a	Step-Pool	1.68	8	3	4	0	1	Reference	Reference	Moderate
R06S1.02S1.06	NW	B	Gravel	a	Riffle-Pool	1.23	4	2	3	0	0	Reference	Reference	Moderate
R06S1.02S1.07	VB	E	Sand	None	Dune-Ripple	1.16	10	3	5	2	3	Good	Good	High
R06S1.02S1.09	VB	C	Gravel	b	Riffle-Pool	0.71	6	2	4	2	2	Good	Reference	High
R06S1.03	NC	A	Boulder	None	Cascade	2.88	2	2	1	0	0	Reference	Reference	Very Low
R06S1.04	SC	B	Gravel	None	Plane Bed	2.77	1	2	1	0	0	Reference	Reference	Moderate
R06S1.05	NW	B	Gravel	a	Riffle-Pool	0.58	7	2	6	4	4	Good	Good	Moderate
R06S1.07	SC	B	Cobble	a	Step-Pool	0.17	1	2	1	0	0	Reference	Reference	Moderate
R08	NW	B	Cobble	None	Step-Pool	64.82	12	6	7	5	10	Fair	Good	Moderate
R09	VB	C	Cobble	None	Riffle-Pool	64.1	13	6	7	5	8	Fair	Good	Moderate
R10	NW	C	Gravel	None	Riffle-Pool	62.91	12	7	6	3	6	Fair	Good	High
R11	VB	E	Sand	None	Dune-Ripple	61.11	13	3	4	2	5	Good	Good	High
R12	NC	B	Gravel	c	Riffle-Pool	57.58	11	8	5	3	0	Good	Good	Moderate
R12S1.01	NW	B	Cobble	None	Step-Pool	2.11	1	2	1	0	0	Reference	Reference	Moderate
R12S1.02	NC	A	Boulder	None	Step-Pool	2.08	1	2	1	0	0	Reference	Reference	Very Low
R12S1.04	NW	B	Gravel	None	Step-Pool	2.06	11	3	5	2	3	Good	Good	Moderate
R12S1.05	VB	C	Gravel	b	Step-Pool	1.48	15	7	7	5	9	Fair	Good	High
R12S1.06	NW	B	Cobble	a	Step-Pool	1.33	11	5	7	5	7	Fair	Good	Moderate
R12S1.07	VB	C	Gravel	b	Riffle-Pool	0.3	16	6	9	5	10	Fair	Fair	High
R12S1.08	NC	A	Boulder	None	Cascade	0.16	4	2	4	2	0	Reference	Reference	Very Low
R13	NW	C	Gravel	None	Riffle-Pool	54.85	5	6	3	2	4	Good	Good	High
R14	SC	B	Gravel	c	Plane Bed	54.57	6	3	3	0	0	Reference	Reference	Moderate

Phase 1 - Step 9. Adjustment Process and Reach Condition

Basin: Waits, Ompompanosuc, Stevens, Wells

Watershed: Middle Northern Connecticut River

Sub-watershed: Ompompanosuc River

Reach ID	Confinement Type	Stream Type				Watershed Area	Total Impact	9.1 Predicted Adjustment Scores				9.2 Reach Condition		9.3 Reach Sensitivity
		Stream Type	Bed Material	Subclass				Degrad.	Aggrad.	Widen.	Planf.	Project	Statewide	
				Slope	Bedform									
R15	NW	C	Gravel	None	Riffle-Pool	53.12	23	12	11	5	14	Poor	Fair	High
R16	BD	C	Gravel	None	Riffle-Pool	52.99	15	4	5	2	4	Good	Good	High
R16T2.01	VB	E	Sand	None	Dune-Ripple	20.85	6	0	3	0	0	Reference	Reference	High
R16T2.02	VB	E	Sand	None	Dune-Ripple	20.44	6	4	4	2	4	Good	Good	High
R16T2.03S1.01	VB	E	Sand	None	Dune-Ripple	10.59	11	2	4	2	4	Good	Reference	High
R16T2.03S1.02	VB	E	Sand	None	Dune-Ripple	9.93	15	5	6	5	9	Fair	Good	High
R16T2.03S1.06	VB	C	Gravel	None	Riffle-Pool	7.09	12	0	5	4	6	Good	Good	High
R16T2.03S1.07	VB	C	Gravel	None	Riffle-Pool	3.66	11	4	4	0	2	Good	Reference	High
R16T2.03S1.09	VB	C	Gravel	None	Riffle-Pool	2.75	3	2	3	2	2	Good	Reference	High
R16T2.03S1.10	VB	C	Gravel	b	Riffle-Pool	1.88	11	5	8	3	4	Fair	Good	High
R16T2.03S1.12	VB	C	Gravel	b	Riffle-Pool	0.82	1	2	1	0	0	Reference	Reference	High
R16T2.03S1.13	VB	C	Gravel	None	Riffle-Pool	0.75	1	2	1	0	0	Reference	Reference	High
R16T2.03S1.14	NC	A	Boulder	None	Step-Pool	0.38	1	2	1	0	0	Reference	Reference	Very Low
R16T2.03S1.15	NC	A	Boulder	None	Cascade	0.14	1	2	1	0	0	Reference	Reference	Very Low
R16T2.04	VB	E	Sand	None	Dune-Ripple	3.49	17	4	5	4	8	Fair	Good	High
R16T2.05	VB	C	Gravel	None	Riffle-Pool	3.35	8	1	4	2	5	Good	Reference	High
R16T2.06	VB	C	Gravel	b	Riffle-Pool	2.17	6	1	4	2	3	Good	Reference	High
R16T2.07	SC	B	Cobble	None	Step-Pool	0.54	3	2	2	0	0	Reference	Reference	Moderate
R16T2.08	BD	B	Gravel	a	Riffle-Pool	0.5	4	2	3	0	0	Reference	Reference	Moderate
R16T2.09	NC	A	Boulder	None	Cascade	0.09	0	2	0	0	0	Reference	Reference	Very Low
R17	VB	C	Sand	None	Dune-Ripple	32.07	16	4	5	4	10	Fair	Good	High
R18	VB	C	Gravel	None	Riffle-Pool	30.73	14	5	7	5	9	Fair	Good	High
R18T3.01	VB	C	Gravel	None	Riffle-Pool	9.89	16	7	7	5	11	Fair	Fair	High
R18T3.02	VB	C	Cobble	b	Riffle-Pool	9.64	20	10	9	5	12	Fair	Fair	Moderate
R18T3.03	BD	C	Cobble	b	Riffle-Pool	9.25	18	9	7	5	11	Fair	Fair	Moderate
R18T3.04	VB	C	Cobble	b	Riffle-Pool	6.06	8	3	3	0	2	Reference	Reference	Moderate
R18T3.05	BD	C	Cobble	b	Step-Pool	5.48	14	6	7	5	8	Fair	Good	Moderate
R18T3.06	NW	B	Cobble	None	Step-Pool	2.69	13	6	7	5	8	Fair	Good	Moderate
R18T3.07	VB	C	Gravel	b	Riffle-Pool	1.15	18	7	7	5	9	Fair	Good	High
R18T3.08	NC	A	Boulder	None	Cascade	0.46	0	2	0	0	0	Reference	Reference	Very Low
R19	VB	C	Gravel	None	Riffle-Pool	19.61	18	7	7	5	11	Fair	Fair	High
R20	VB	C	Gravel	None	Riffle-Pool	19.09	18	9	7	5	11	Fair	Fair	High
R21	VB	C	Gravel	None	Riffle-Pool	18.58	19	7	9	5	9	Fair	Fair	High

Phase 1 - Step 9. Adjustment Process and Reach Condition

Basin: **Waits, Ompompanosuc, Stevens, Wells**

Watershed: **Middle Northern Connecticut River**

Sub-watershed: **Ompompanosuc River**

Reach ID	Confinement Type	Stream Type				Watershed Area	Total Impact	9.1 Predicted Adjustment Scores				9.2 Reach Condition		9.3 Reach Sensitivity
		Stream Type	Bed Material	Subclass				Degrad.	Aggrad.	Widen.	Planf.	Project	Statewide	
				Slope	Bedform									
R22	VB	C	Cobble	None	Riffle-Pool	14.56	20	10	9	5	12	Fair	Fair	Moderate
R23	BD	C	Cobble	None	Riffle-Pool	14.26	17	8	7	5	10	Fair	Fair	Moderate
R24	NW	B	Cobble	c	Step-Pool	12.69	11	7	7	5	9	Fair	Good	Moderate
R25	VB	C	Cobble	b	Step-Pool	10.53	15	9	7	5	11	Fair	Fair	Moderate
R26	VB	C	Cobble	b	Step-Pool	7.5	19	11	7	5	13	Fair	Fair	Moderate
R27	NW	B	Cobble	None	Step-Pool	4.3	15	8	9	5	10	Fair	Fair	Moderate
R28	VB	C	Gravel	None	Riffle-Pool	3.12	7	1	4	0	2	Reference	Reference	High
R29	SC	B	Cobble	None	Step-Pool	1.32	5	3	4	2	0	Good	Reference	Moderate
R31	NC	A	Boulder	None	Step-Pool	0.79	5	2	5	4	0	Good	Reference	Very Low
R33	VB	C	Gravel	b	Riffle-Pool	0.49	7	3	6	2	3	Good	Good	High
M01	BD	C	Cobble	None	Riffle-Pool	60.03	20	7	9	7	11	Fair	Fair	Moderate
M02	BD	C	Cobble	None	Riffle-Pool	56.46	17	8	7	5	10	Fair	Fair	Moderate
T1.01	NW	C	Cobble	b	Riffle-Pool	9.14	15	6	7	5	9	Fair	Good	Moderate
T1.02	NW	B	Cobble	None	Step-Pool	4.56	11	5	7	5	7	Fair	Good	Moderate
T1.03	NW	C	Gravel	b	Riffle-Pool	1.56	12	2	7	4	4	Good	Good	High
T1.S1.01	VB	C	Gravel	b	Riffle-Pool	2.36	5	2	2	0	0	Reference	Reference	High
T1.S2.01	VB	E	Sand	b	Dune-Ripple	1.23	12	3	5	4	5	Good	Good	High

Ompompanoosuc River Watershed - Phase 2 Reach Recommendations and Rationale

Reach	Stream	Impact Rating	Reach Condition	Sensitivity	Reach Length (miles)	Rationale
R03	Ompompanoosuc River	17	Fair	High	0.87	Lowest assessable reach on main stem.
R04	Ompompanoosuc River	8	Good	Moderate	0.62	Include for continuous fluvial erosion hazard zones
R05	Ompompanoosuc River	16	Fair	High	0.89	Lack of buffer, straightened, road encroachment
R06	Ompompanoosuc River	16	Poor	Moderate	0.44	Lack of buffer, straightened, road encroachment
R08	Ompompanoosuc River	12	Fair	Moderate	1.16	Lack of buffer, straightened, road encroachment
R09	Ompompanoosuc River	13	Fair	Moderate	0.33	Lack of buffer, straightened, road encroachment
R10	Ompompanoosuc River	12	Fair	High	0.94	Straightened, road encroachment
R11	Ompompanoosuc River	13	Good	High	1.92	Lack of buffer, road encroachment
R12	Ompompanoosuc River	11	Good	Moderate	0.60	Road encroachment, development
R13	Ompompanoosuc River	5	Good	High	0.61	Road encroachment, development
R14	Ompompanoosuc River	6	Reference	Moderate	1.38	Include for continuous FEH zones
R15	Ompompanoosuc River	23	Poor	High	0.27	Lack of buffer, Instream channel modifications, development
R16	Ompompanoosuc River	15	Good	High	0.26	Bank armoring, planform adjustment
R17	Ompompanoosuc River	16	Fair	High	1.29	Lack of buffer, development, meander migration
R18	Ompompanoosuc River	14	Fair	High	1.02	Lack of buffer, channel straightening, planform adjustment
R19	Ompompanoosuc River	18	Fair	High	1.17	Lack of buffer, channel straightening, development
R20	Ompompanoosuc River	18	Fair	High	0.72	Lack of buffer, channel straightening, road encroachment, development
R21	Ompompanoosuc River	19	Fair	High	1.01	Lack of buffer, channel straightening, planform adjustment
R22	Ompompanoosuc River	20	Fair	Moderate	0.65	Lack of buffer, channel straightening, road encroachment
R23	Ompompanoosuc River	17	Fair	Moderate	0.94	Lack of buffer, channel straightening, road encroachment
R24	Ompompanoosuc River	11	Fair	Moderate	0.53	Lack of buffer, channel straightening, road encroachment
R25	Ompompanoosuc River	15	Fair	Moderate	0.98	Lack of buffer, channel straightening, road encroachment, development
R26	Ompompanoosuc River	19	Fair	Moderate	1.48	Lack of buffer, channel straightening, road encroachment, development
R27	Ompompanoosuc River	15	Fair	Moderate	0.47	Lack of buffer, channel straightening, road encroachment
R06S1.01	Avery Brook	17	Fair	High	0.21	Lack of buffer, channel straightening, planform adjustment
R06S1.02	Avery Brook	10	Fair	Moderate	0.41	Bank armoring, channel straightening
R12S1.05	Barker Brook	15	Fair	High	0.31	Lack of buffer, channel straightening, road encroachment
R12S1.06	Barker Brook	11	Fair	Moderate	0.75	Lack of buffer, road encroachment
R12S1.07	Barker Brook	16	Fair	High	0.30	Lack of buffer, stream crossings, planform adjustment
R16T2.01	Lake Fairlee outlet	6	Reference	High	1.26	Sensitive stream type when impacted
R16T2.02	Lake Fairlee outlet	6	Good	High	0.31	Sensitive stream type when impacted
R16T2.03S1.01	Middle Brook	11	Good	High	1.92	Lack of buffer, planform adjustment
R16T2.03S1.02	Middle Brook	15	Fair	High	0.82	Lack of buffer, channel straightening
R16T2.04	Blood Brook	17	Fair	High	0.52	Lack of buffer, planform adjustment
R16T2.05	Blood Brook	8	Good	High	1.46	Lack of buffer, road encroachment, planform adjustment
R16T2.06	Blood Brook	6	Good	High	1.28	Lack of buffer, straightened, road encroachment

Ompompanoosuc River Watershed - Phase 2 Reach Recommendations and Rationale

Reach	Stream	Impact Rating	Reach Condition	Sensitivity	Reach Length (miles)	Rationale
R18T3.01	Tributary 3	16	Fair	High	0.44	Lack of buffer, channel straightening, road encroachment, development
R18T3.02	Tributary 3	20	Fair	Moderate	0.61	Lack of buffer, channel straightening, road encroachment, development
R18T3.03	Tributary 3	18	Fair	Moderate	0.84	Lack of buffer, channel straightening, road encroachment, development
R18T3.04	Tributary 3	8	Reference	Moderate	0.45	Corridor land use, channel straightening
R18T3.05	Tributary 3	14	Fair	Moderate	0.33	Lack of buffer, channel straightening, road encroachment
R18T3.06	Tributary 3	13	Fair	Moderate	1.14	Lack of buffer, straightened, road encroachment
R18T3.07	Tributary 3	18	Fair	High	0.63	Lack of buffer, straightened, road encroachment
M01	West Branch	20	Fair	Moderate	2.37	Lack of buffer, straightened, road encroachment
M02	West Branch	17	Fair	Moderate	1.43	Lack of buffer, channel straightening, road encroachment, development
T1.01	Abbott Brook	15	Fair	Moderate	2.34	Lack of buffer, channel straightening, road encroachment
T1.02	Abott Brook	11	Fair	Moderate	1.96	Lack of buffer, road encroachment

Total Length

42.7