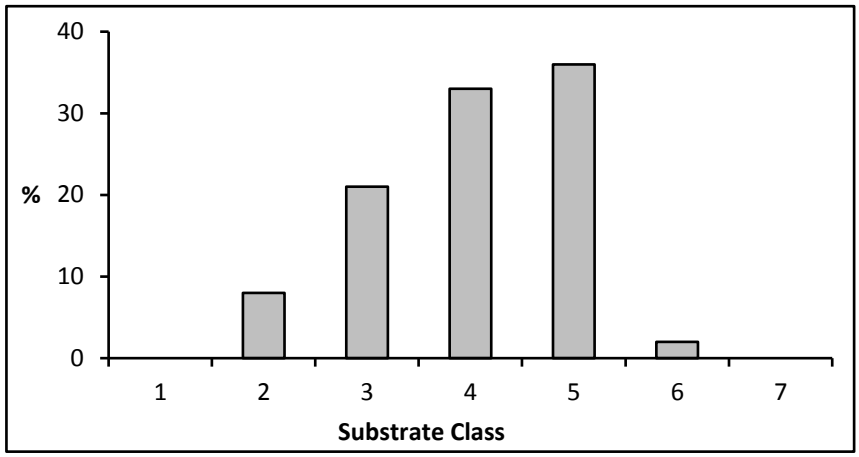
APPENDIX C:

Reach Habitat Data Summary Sheets

Reach/Segment Information

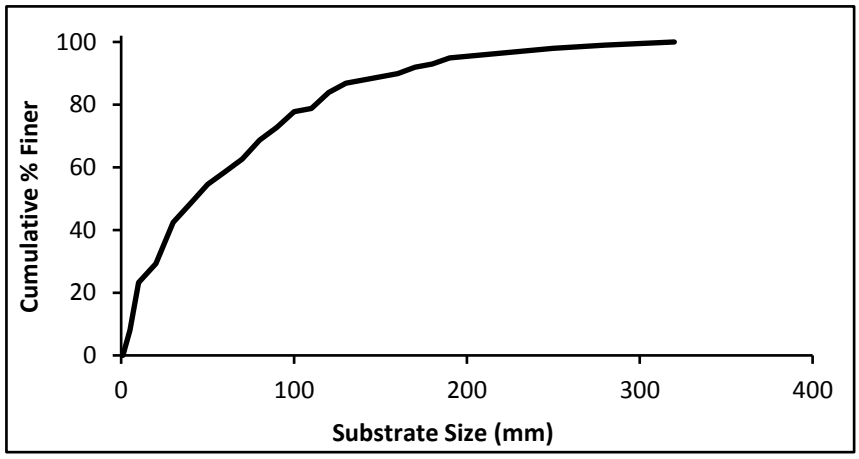
SGA ID:	M01T1.01
Length (ft):	3,347
Reference Bedform Type:	Riffle-Pool
Total RHA Score:	82
RHA Percentage:	51%
Overall Habitat Condition:	Fair



Sediment Composition and Mobility

Class	Range (mm)	Percent
Silt	< 0.06	0
Sand	0.06 - 2	8
F. Gravel	2 - 16	21
C. Gravel	16 - 64	33
Cobble	64 - 256	36
Boulder	256 - 4096	2
Bedrock	> 4096	0

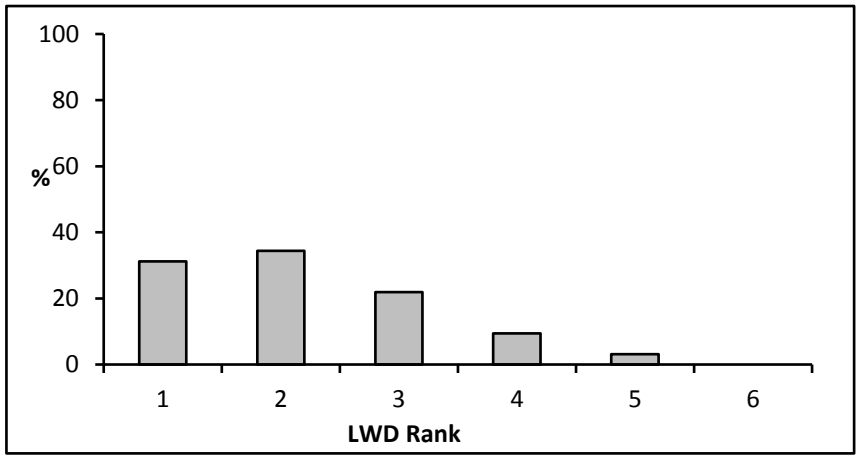
Median Substrate Size:	40	mm
Avg. Largest Particle (Bar):	140	mm
Riffle Stability Index (RSI):	89	%



Large Woody Debris (LWD)

Rank	Diameter (ft)	L (W_{bkf})	#
1	0.5 ≤ D < 1.0	< 0.5	10
2	0.5 ≤ D < 1.0	≥ 0.5	11
3	1.0 ≤ D < 2.0	< 0.5	7
4	1.0 ≤ D < 2.0	≥ 0.5	3
5	D ≥ 2.0	< 0.5	1
6	D ≥ 2.0	≥ 0.5	0

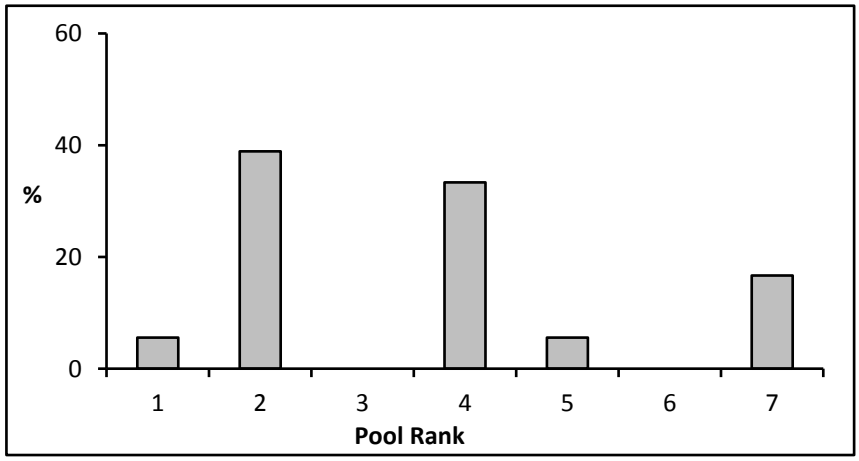
 # LWDs/mile: 50



Pools

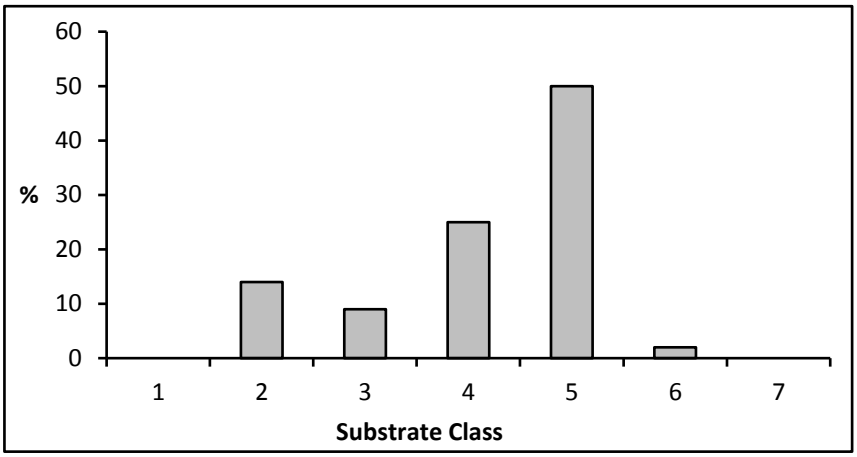
Rank	Depth (ft)	L (W_{bkf})	#
1	1.0 ≤ D < 2.0	< 0.5	1
2	1.0 ≤ D < 2.0	≥ 0.5	7
3	2.0 ≤ D < 3.0	< 0.5	0
4	2.0 ≤ D < 3.0	≥ 0.5	6
5	D ≥ 3.0	< 0.5	1
6	D ≥ 3.0	≥ 0.5	0
7	D ≥ 3.0	≥ 1.0	3

 # Pools/mile: 28



Reach/Segment Information

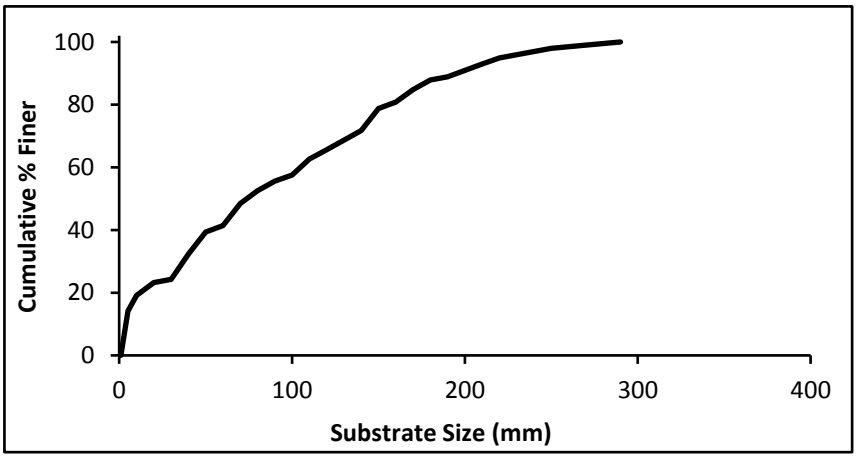
SGA ID:	M01.T1.02
Length (ft):	4,776
Reference Bedform Type:	Riffle-Pool
Total RHA Score:	98
RHA Percentage:	61%
Overall Habitat Condition:	Fair



Sediment Composition and Mobility

Class	Range (mm)	Percent
Silt	< 0.06	0
Sand	0.06 - 2	14
F. Gravel	2 - 16	9
C. Gravel	16 - 64	25
Cobble	64 - 256	50
Boulder	256 - 4096	2
Bedrock	> 4096	0

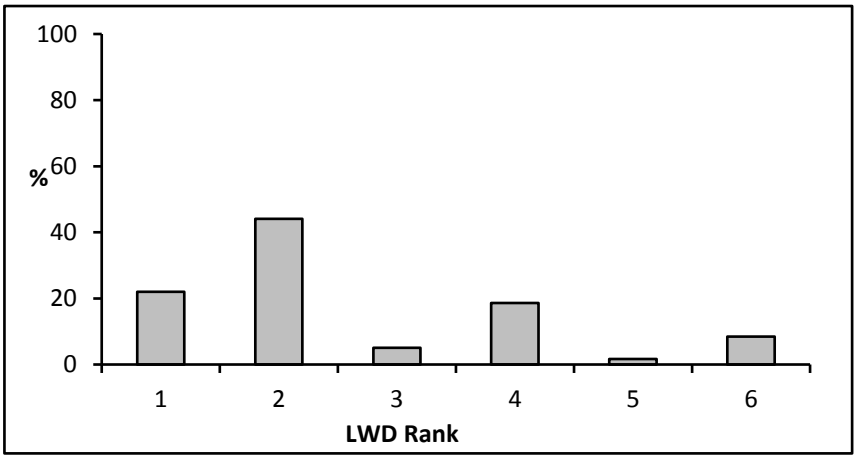
Median Substrate Size:	70	mm
Avg. Largest Particle (Bar):	110	mm
Riffle Stability Index (RSI):	63	%



Large Woody Debris (LWD)

Rank	Diameter (ft)	L (W_{bkf})	#
1	0.5 ≤ D < 1.0	< 0.5	13
2	0.5 ≤ D < 1.0	≥ 0.5	26
3	1.0 ≤ D < 2.0	< 0.5	3
4	1.0 ≤ D < 2.0	≥ 0.5	11
5	D ≥ 2.0	< 0.5	1
6	D ≥ 2.0	≥ 0.5	5

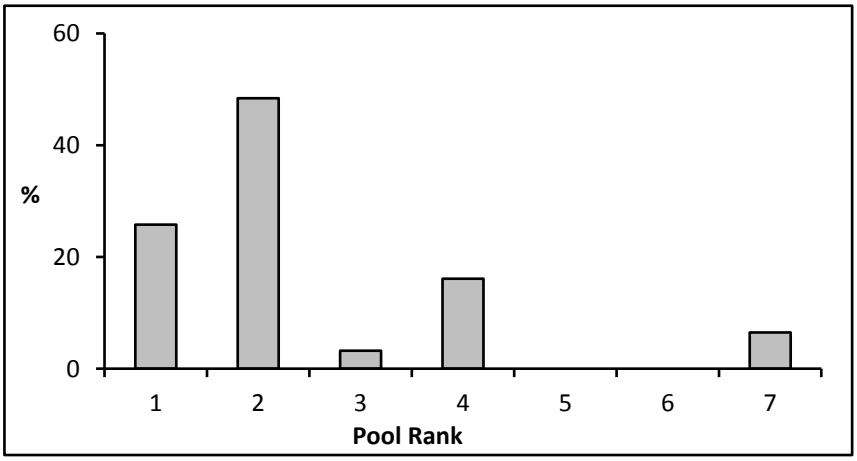
 # LWDs/mile: 65



Pools

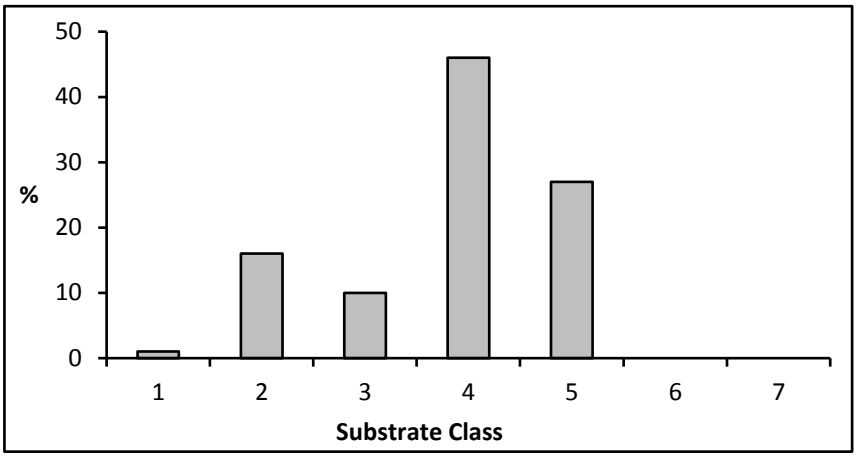
Rank	Depth (ft)	L (W_{bkf})	#
1	1.0 ≤ D < 2.0	< 0.5	8
2	1.0 ≤ D < 2.0	≥ 0.5	15
3	2.0 ≤ D < 3.0	< 0.5	1
4	2.0 ≤ D < 3.0	≥ 0.5	5
5	D ≥ 3.0	< 0.5	0
6	D ≥ 3.0	≥ 0.5	0
7	D ≥ 3.0	≥ 1.0	2

 # Pools/mile: 34



Reach/Segment Information

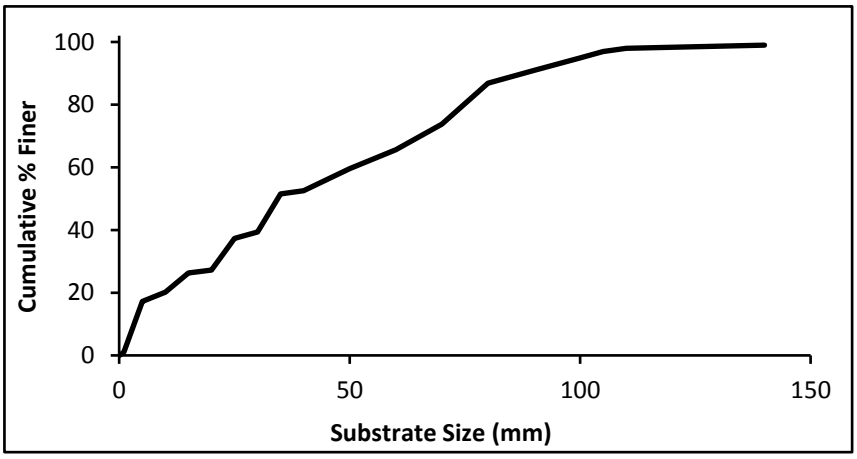
SGA ID:	M01T1.03
Length (ft):	1,703
Reference Bedform Type:	Riffle-Pool
Total RHA Score:	101
RHA Percentage:	63%
Overall Habitat Condition:	Fair



Sediment Composition and Mobility

Class	Range (mm)	Percent
Silt	< 0.06	1
Sand	0.06 - 2	16
F. Gravel	2 - 16	10
C. Gravel	16 - 64	46
Cobble	64 - 256	27
Boulder	256 - 4096	0
Bedrock	> 4096	0

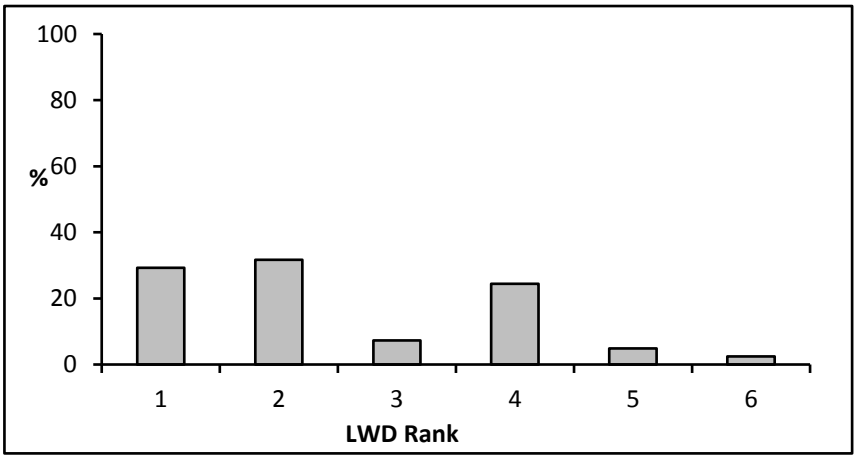
Median Substrate Size:	30	mm
Avg. Largest Particle (Bar):	28	mm
Riffle Stability Index (RSI):	40	%



Large Woody Debris (LWD)

Rank	Diameter (ft)	L (W_{bkf})	#
1	0.5 ≤ D < 1.0	< 0.5	12
2	0.5 ≤ D < 1.0	≥ 0.5	13
3	1.0 ≤ D < 2.0	< 0.5	3
4	1.0 ≤ D < 2.0	≥ 0.5	10
5	D ≥ 2.0	< 0.5	2
6	D ≥ 2.0	≥ 0.5	1

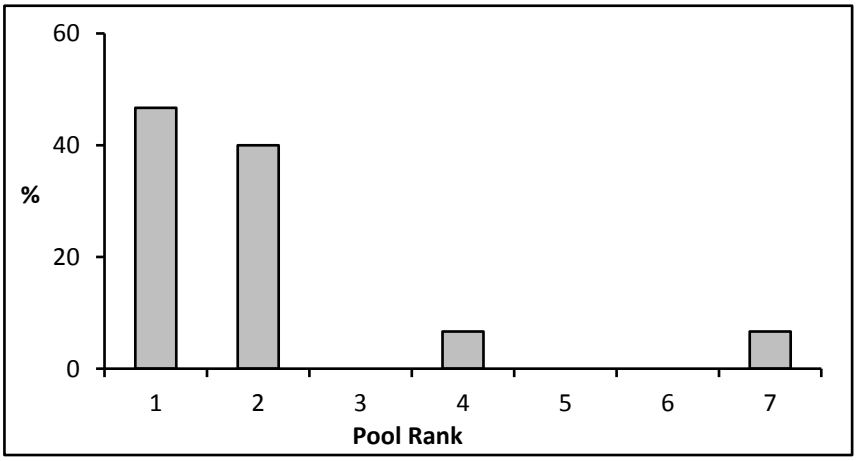
 # LWDs/mile: 127



Pools

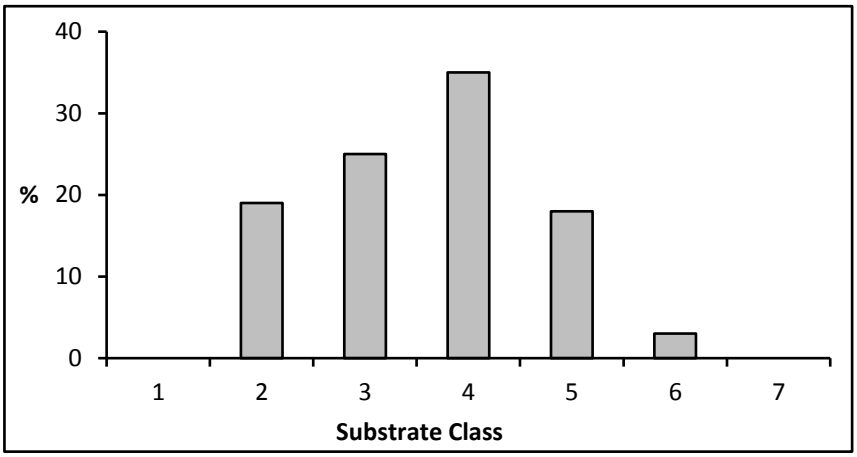
Rank	Depth (ft)	L (W_{bkf})	#
1	1.0 ≤ D < 2.0	< 0.5	7
2	1.0 ≤ D < 2.0	≥ 0.5	6
3	2.0 ≤ D < 3.0	< 0.5	0
4	2.0 ≤ D < 3.0	≥ 0.5	1
5	D ≥ 3.0	< 0.5	0
6	D ≥ 3.0	≥ 0.5	0
7	D ≥ 3.0	≥ 1.0	1

 # Pools/mile: 47



Reach/Segment Information

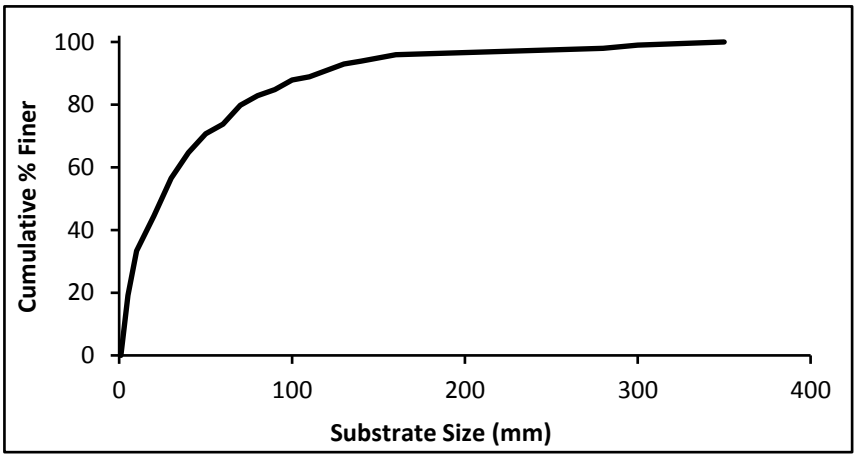
SGA ID:	M01T1.04B
Length (ft):	2,644
Reference Bedform Type:	Step-Pool
Total RHA Score:	85
RHA Percentage:	53%
Overall Habitat Condition:	Fair



Sediment Composition and Mobility

Class	Range (mm)	Percent
Silt	< 0.06	0
Sand	0.06 - 2	19
F. Gravel	2 - 16	25
C. Gravel	16 - 64	35
Cobble	64 - 256	18
Boulder	256 - 4096	3
Bedrock	> 4096	0

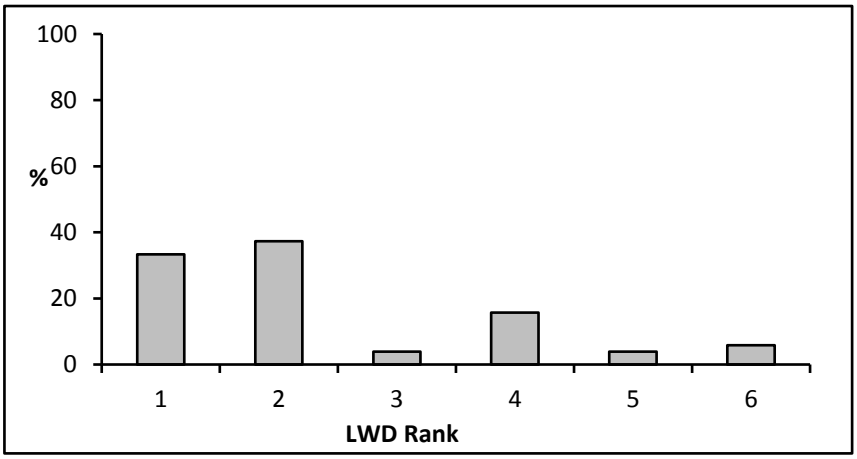
Median Substrate Size:	20	mm
Avg. Largest Particle (Bar):	100	mm
Riffle Stability Index (RSI):	88	%



Large Woody Debris (LWD)

Rank	Diameter (ft)	L (W_{bkf})	#
1	0.5 ≤ D < 1.0	< 0.5	17
2	0.5 ≤ D < 1.0	≥ 0.5	19
3	1.0 ≤ D < 2.0	< 0.5	2
4	1.0 ≤ D < 2.0	≥ 0.5	8
5	D ≥ 2.0	< 0.5	2
6	D ≥ 2.0	≥ 0.5	3

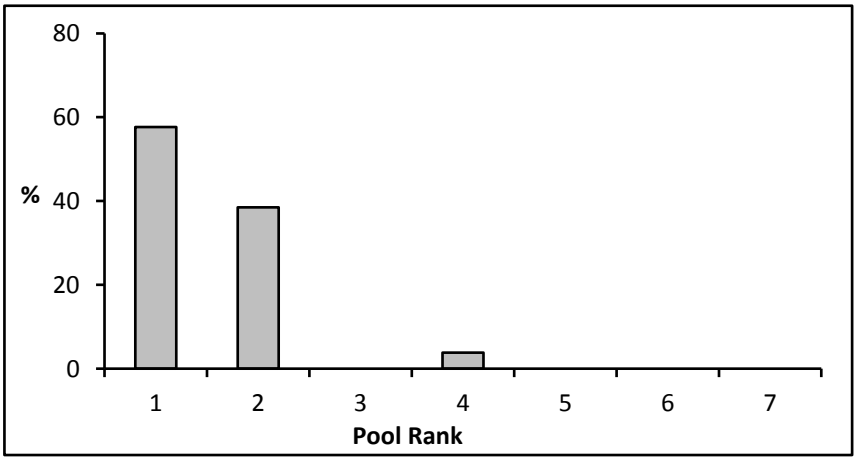
 # LWDs/mile: 102



Pools

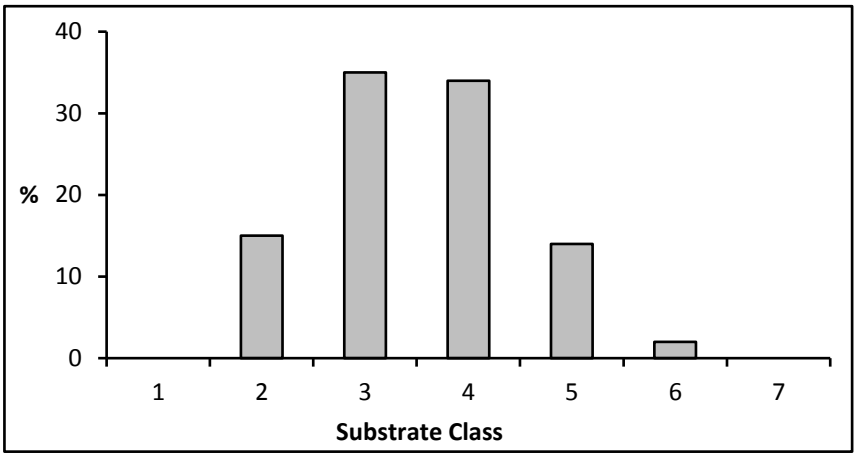
Rank	Depth (ft)	L (W_{bkf})	#
1	1.0 ≤ D < 2.0	< 0.5	15
2	1.0 ≤ D < 2.0	≥ 0.5	10
3	2.0 ≤ D < 3.0	< 0.5	0
4	2.0 ≤ D < 3.0	≥ 0.5	1
5	D ≥ 3.0	< 0.5	0
6	D ≥ 3.0	≥ 0.5	0
7	D ≥ 3.0	≥ 1.0	0

 # Pools/mile: 52



Reach/Segment Information

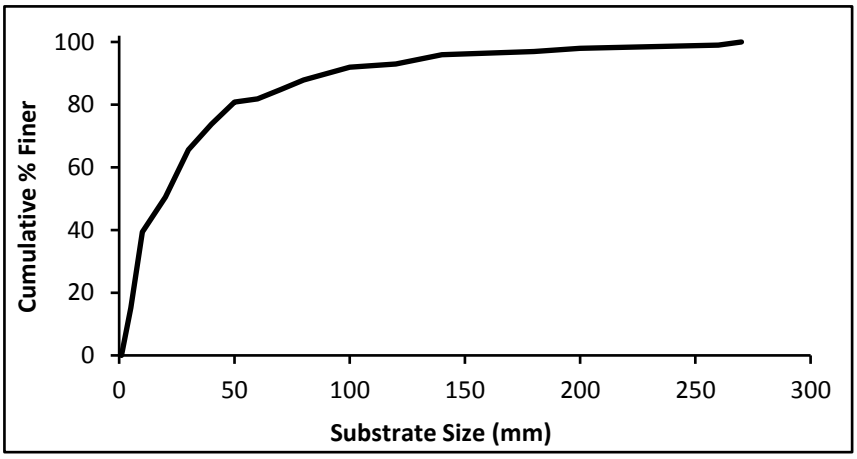
SGA ID:	M01T1.04C
Length (ft):	4,199
Reference Bedform Type:	Riffle-Pool
Total RHA Score:	91
RHA Percentage:	57%
Overall Habitat Condition:	Fair



Sediment Composition and Mobility

Class	Range (mm)	Percent
Silt	< 0.06	0
Sand	0.06 - 2	15
F. Gravel	2 - 16	35
C. Gravel	16 - 64	34
Cobble	64 - 256	14
Boulder	256 - 4096	2
Bedrock	> 4096	0

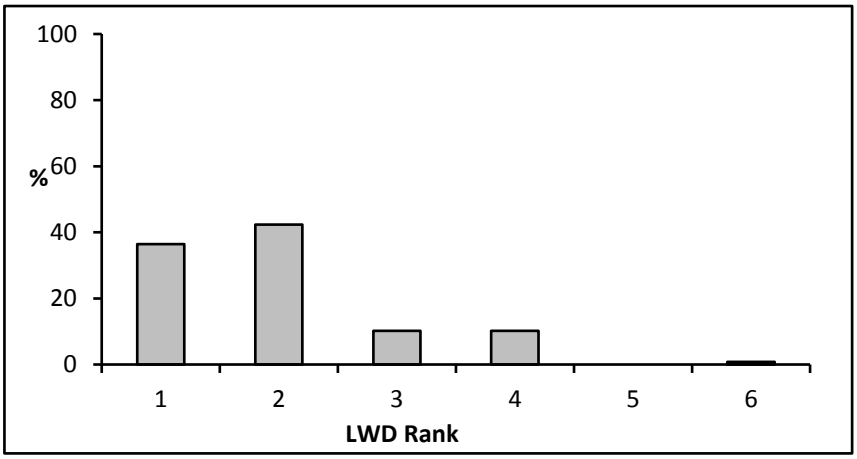
Median Substrate Size:	15	mm
Avg. Largest Particle (Bar):	120	mm
Riffle Stability Index (RSI):	93	%



Large Woody Debris (LWD)

Rank	Diameter (ft)	L (W_{bkf})	#
1	0.5 ≤ D < 1.0	< 0.5	43
2	0.5 ≤ D < 1.0	≥ 0.5	50
3	1.0 ≤ D < 2.0	< 0.5	12
4	1.0 ≤ D < 2.0	≥ 0.5	12
5	D ≥ 2.0	< 0.5	0
6	D ≥ 2.0	≥ 0.5	1

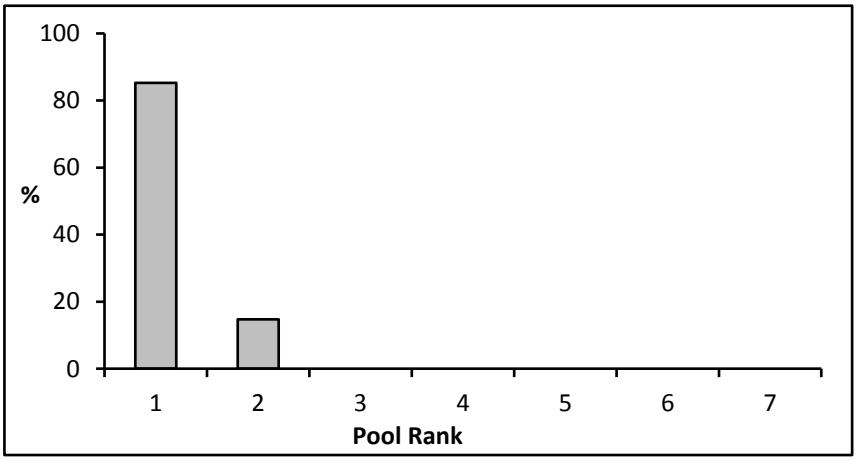
 # LWDs/mile: 148



Pools

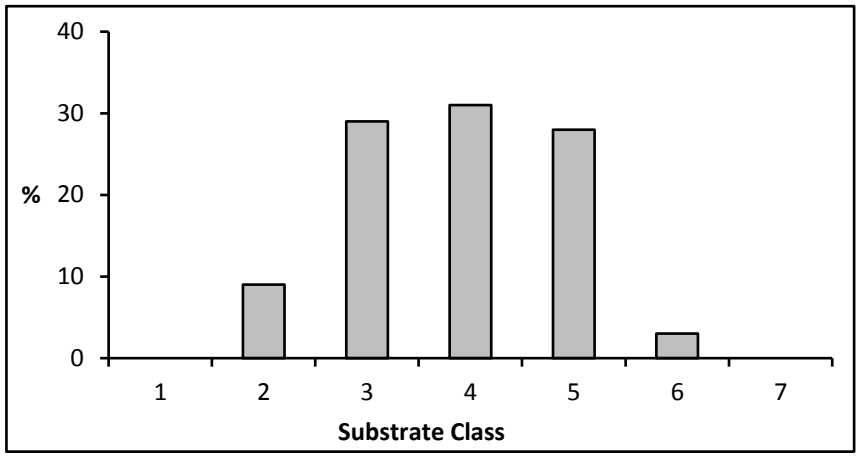
Rank	Depth (ft)	L (W_{bkf})	#
1	1.0 ≤ D < 2.0	< 0.5	29
2	1.0 ≤ D < 2.0	≥ 0.5	5
3	2.0 ≤ D < 3.0	< 0.5	0
4	2.0 ≤ D < 3.0	≥ 0.5	0
5	D ≥ 3.0	< 0.5	0
6	D ≥ 3.0	≥ 0.5	0
7	D ≥ 3.0	≥ 1.0	0

 # Pools/mile: 43



Reach/Segment Information

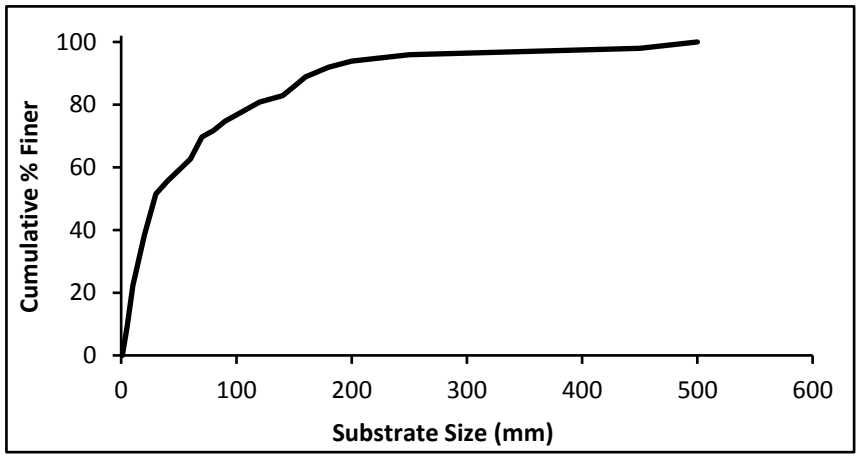
SGA ID:	M01T1.04D
Length (ft):	959
Reference Bedform Type:	Riffle-Pool
Total RHA Score:	70
RHA Percentage:	44%
Overall Habitat Condition:	Fair



Sediment Composition and Mobility

Class	Range (mm)	Percent
Silt	< 0.06	0
Sand	0.06 - 2	9
F. Gravel	2 - 16	29
C. Gravel	16 - 64	31
Cobble	64 - 256	28
Boulder	256 - 4096	3
Bedrock	> 4096	0

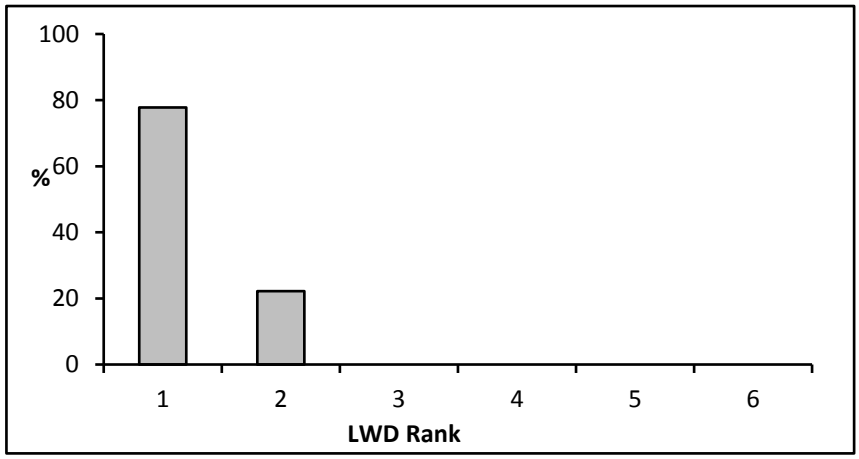
Median Substrate Size:	20	mm
Avg. Largest Particle (Bar):	30	mm
Riffle Stability Index (RSI):	54	%



Large Woody Debris (LWD)

Rank	Diameter (ft)	L (W_{bkf})	#
1	0.5 ≤ D < 1.0	< 0.5	7
2	0.5 ≤ D < 1.0	≥ 0.5	2
3	1.0 ≤ D < 2.0	< 0.5	0
4	1.0 ≤ D < 2.0	≥ 0.5	0
5	D ≥ 2.0	< 0.5	0
6	D ≥ 2.0	≥ 0.5	0

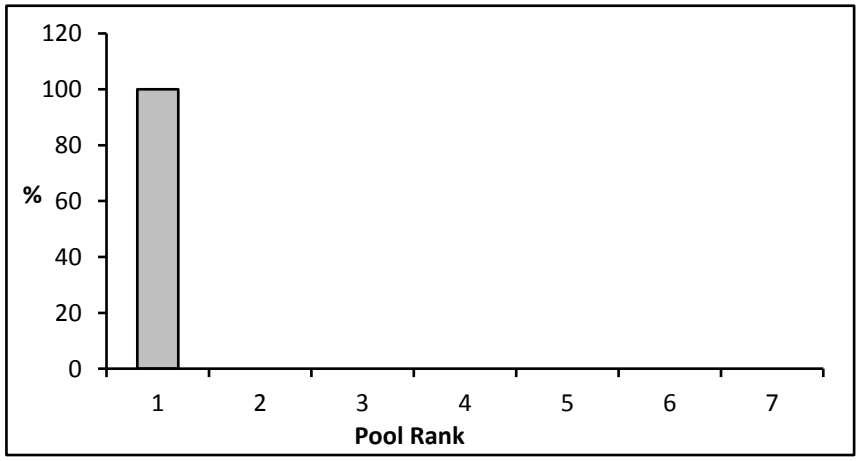
 # LWDs/mile: 50



Pools

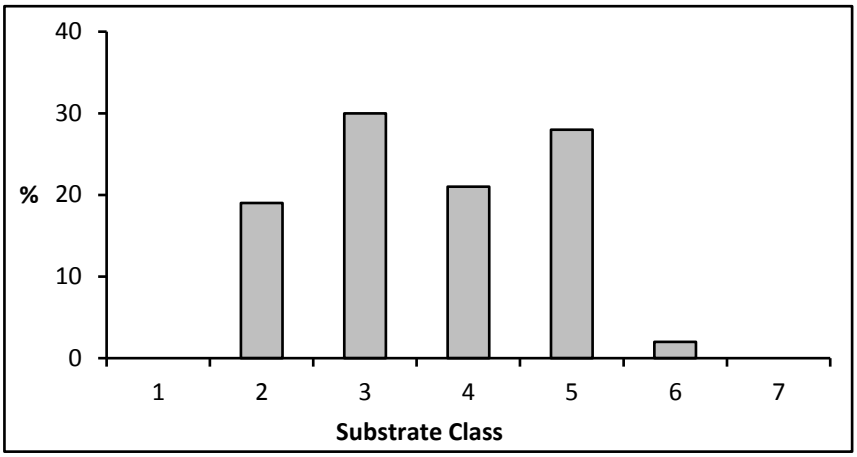
Rank	Depth (ft)	L (W_{bkf})	#
1	1.0 ≤ D < 2.0	< 0.5	1
2	1.0 ≤ D < 2.0	≥ 0.5	0
3	2.0 ≤ D < 3.0	< 0.5	0
4	2.0 ≤ D < 3.0	≥ 0.5	0
5	D ≥ 3.0	< 0.5	0
6	D ≥ 3.0	≥ 0.5	0
7	D ≥ 3.0	≥ 1.0	0

 # Pools/mile: 6



Reach/Segment Information

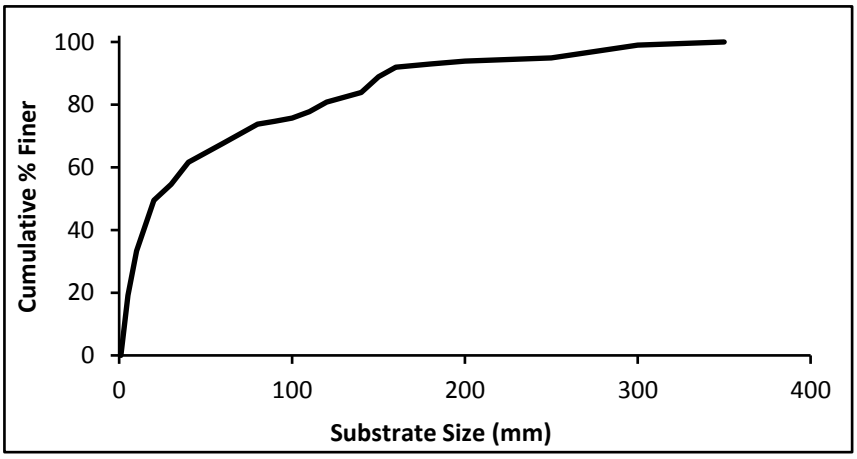
SGA ID:	M01T1.04S1.01
Length (ft):	3,439
Reference Bedform Type:	Riffle-Pool
Total RHA Score:	109
RHA Percentage:	68%
Overall Habitat Condition:	Good



Sediment Composition and Mobility

Class	Range (mm)	Percent
Silt	< 0.06	0
Sand	0.06 - 2	19
F. Gravel	2 - 16	30
C. Gravel	16 - 64	21
Cobble	64 - 256	28
Boulder	256 - 4096	2
Bedrock	> 4096	0

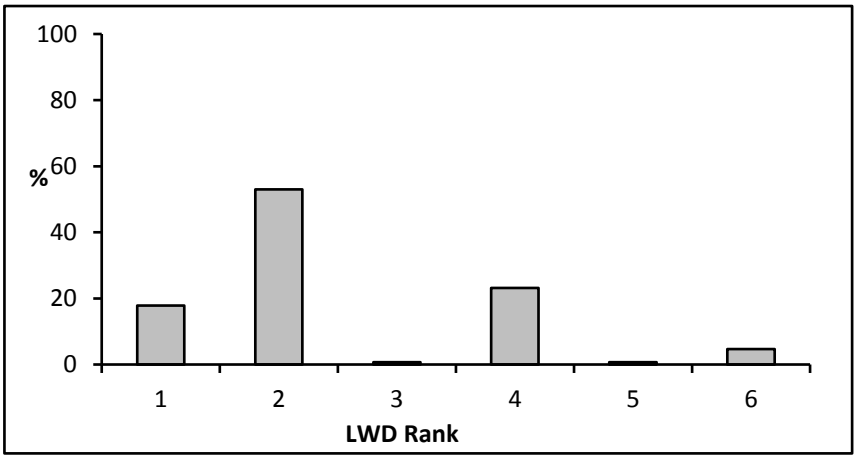
Median Substrate Size:	20	mm
Avg. Largest Particle (Bar):	60	mm
Riffle Stability Index (RSI):	69	%



Large Woody Debris (LWD)

Rank	Diameter (ft)	L (W_{bkf})	#
1	0.5 ≤ D < 1.0	< 0.5	27
2	0.5 ≤ D < 1.0	≥ 0.5	80
3	1.0 ≤ D < 2.0	< 0.5	1
4	1.0 ≤ D < 2.0	≥ 0.5	35
5	D ≥ 2.0	< 0.5	1
6	D ≥ 2.0	≥ 0.5	7

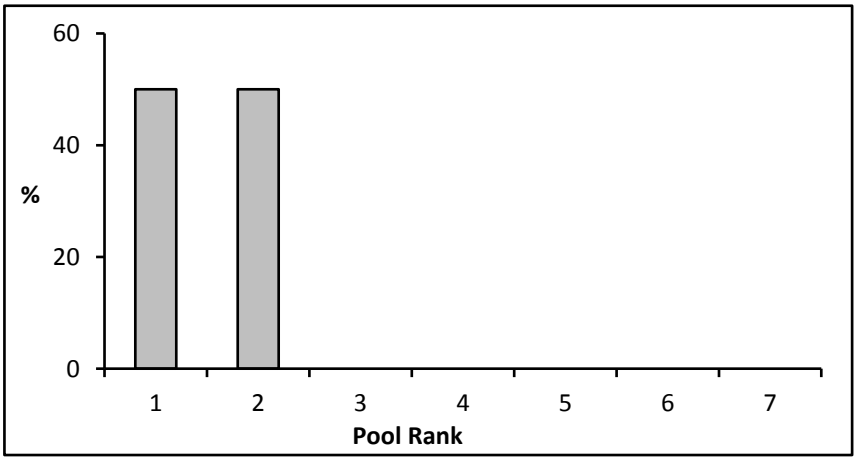
 # LWDs/mile: 232



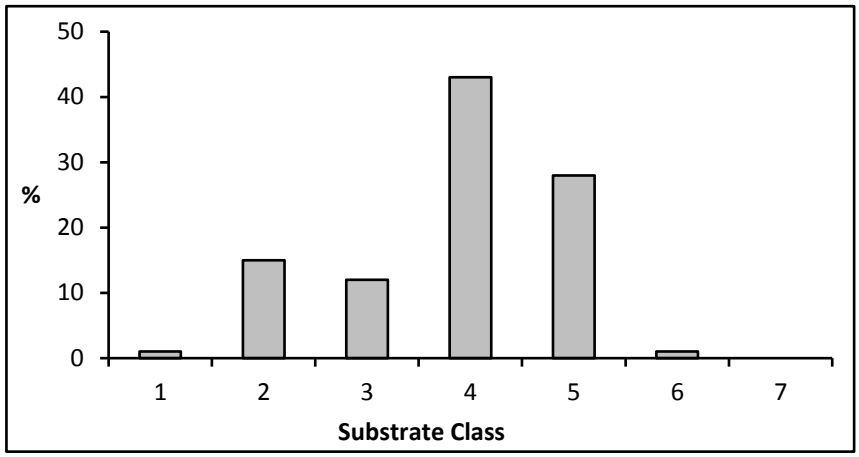
Pools

Rank	Depth (ft)	L (W_{bkf})	#
1	1.0 ≤ D < 2.0	< 0.5	10
2	1.0 ≤ D < 2.0	≥ 0.5	10
3	2.0 ≤ D < 3.0	< 0.5	0
4	2.0 ≤ D < 3.0	≥ 0.5	0
5	D ≥ 3.0	< 0.5	0
6	D ≥ 3.0	≥ 0.5	0
7	D ≥ 3.0	≥ 1.0	0

 # Pools/mile: 31



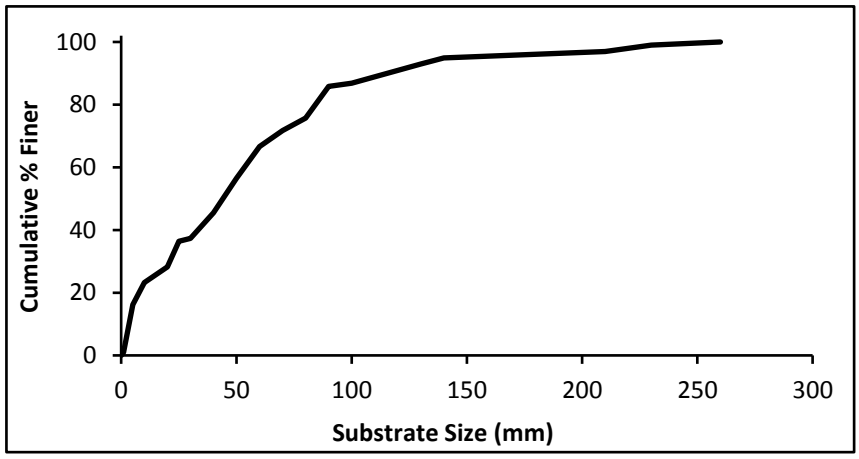
Reach/Segment Information	
SGA ID:	M05S1.01
Length (ft):	2,430
Reference Bedform Type:	Riffle-Pool
Total RHA Score:	84
RHA Percentage:	53%
Overall Habitat Condition:	Fair



Sediment Composition and Mobility

Class	Range (mm)	Percent
Silt	< 0.06	1
Sand	0.06 - 2	15
F. Gravel	2 - 16	12
C. Gravel	16 - 64	43
Cobble	64 - 256	28
Boulder	256 - 4096	1
Bedrock	> 4096	0

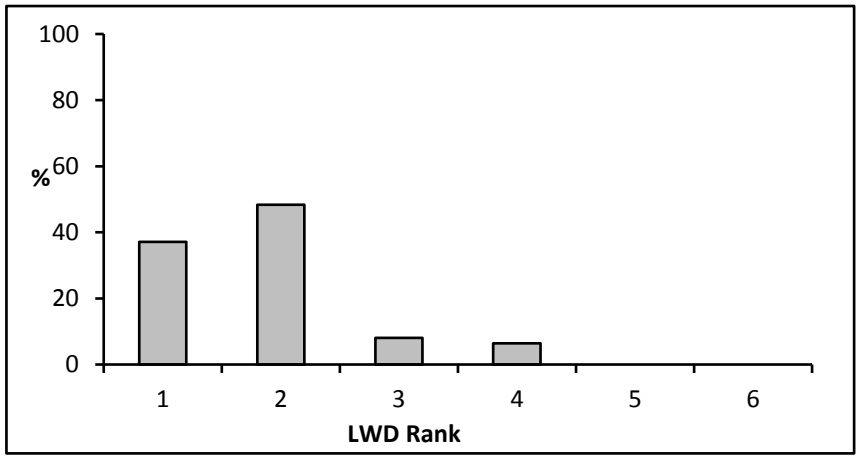
Median Substrate Size:	40	mm
Avg. Largest Particle (Bar):	9	mm
Riffle Stability Index (RSI):	24	%



Large Woody Debris (LWD)

Rank	Diameter (ft)	L (W_{bkf})	#
1	0.5 ≤ D < 1.0	< 0.5	23
2	0.5 ≤ D < 1.0	≥ 0.5	30
3	1.0 ≤ D < 2.0	< 0.5	5
4	1.0 ≤ D < 2.0	≥ 0.5	4
5	D ≥ 2.0	< 0.5	0
6	D ≥ 2.0	≥ 0.5	0

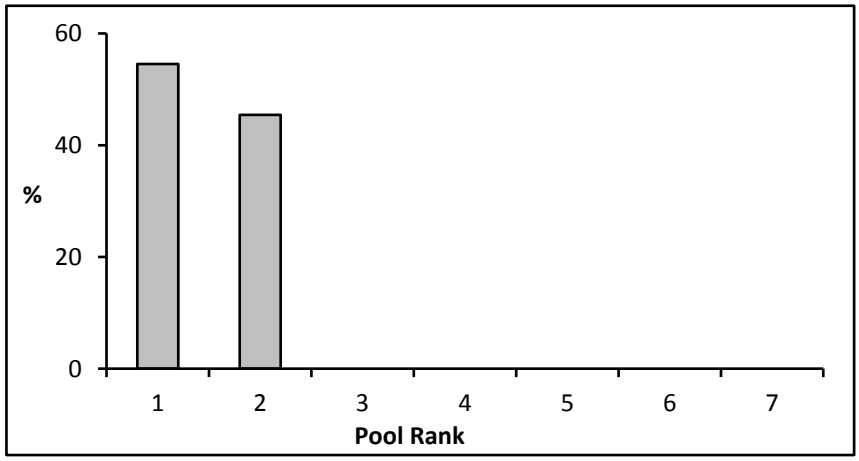
 # LWDs/mile: 135



Pools

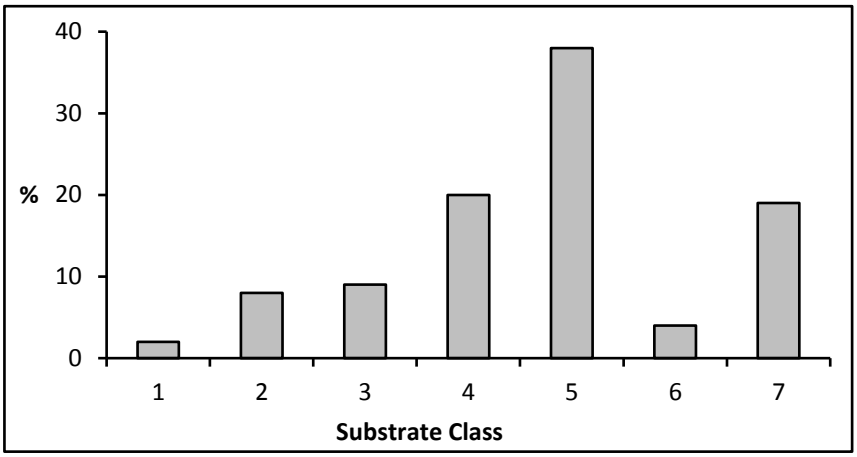
Rank	Depth (ft)	L (W_{bkf})	#
1	1.0 ≤ D < 2.0	< 0.5	6
2	1.0 ≤ D < 2.0	≥ 0.5	5
3	2.0 ≤ D < 3.0	< 0.5	0
4	2.0 ≤ D < 3.0	≥ 0.5	0
5	D ≥ 3.0	< 0.5	0
6	D ≥ 3.0	≥ 0.5	0
7	D ≥ 3.0	≥ 1.0	0

 # Pools/mile: 24



Reach/Segment Information

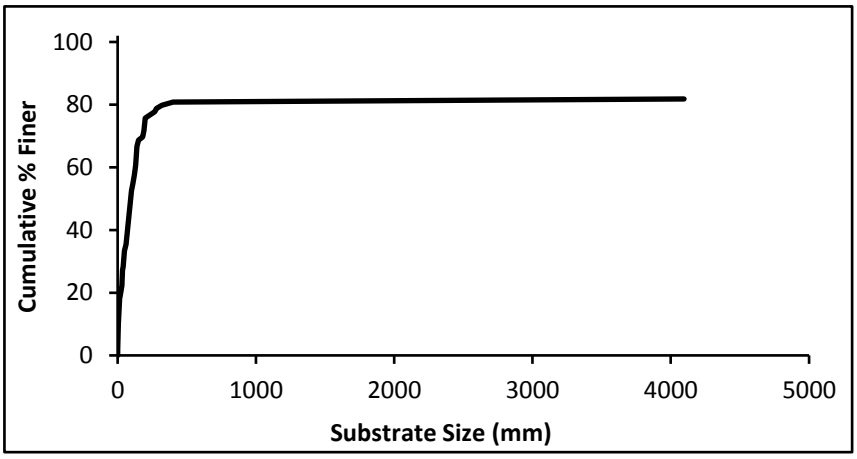
SGA ID:	M05S1.02
Length (ft):	6,332
Reference Bedform Type:	Riffle-Pool
Total RHA Score:	94
RHA Percentage:	59%
Overall Habitat Condition:	Fair



Sediment Composition and Mobility

Class	Range (mm)	Percent
Silt	< 0.06	2
Sand	0.06 - 2	8
F. Gravel	2 - 16	9
C. Gravel	16 - 64	20
Cobble	64 - 256	38
Boulder	256 - 4096	4
Bedrock	> 4096	19

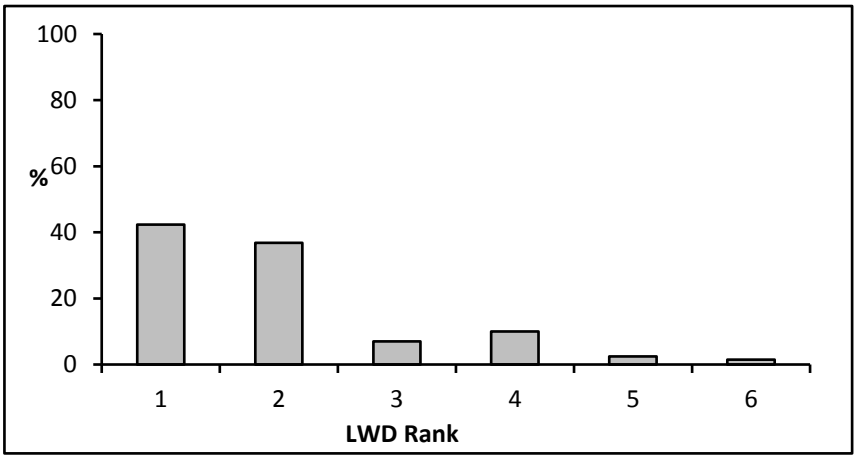
Median Substrate Size:	90	mm
Avg. Largest Particle (Bar):	8	mm
Riffle Stability Index (RSI):	15	%



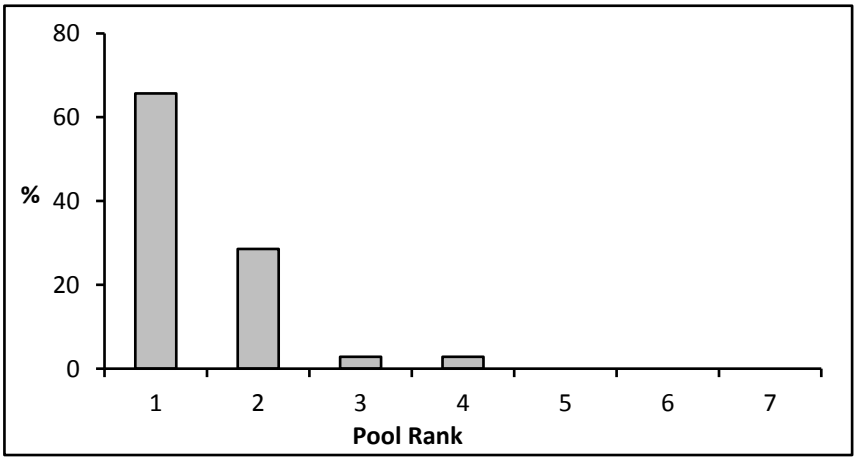
Large Woody Debris (LWD)

Rank	Diameter (ft)	L (W_{bkf})	#
1	0.5 ≤ D < 1.0	< 0.5	140
2	0.5 ≤ D < 1.0	≥ 0.5	122
3	1.0 ≤ D < 2.0	< 0.5	23
4	1.0 ≤ D < 2.0	≥ 0.5	33
5	D ≥ 2.0	< 0.5	8
6	D ≥ 2.0	≥ 0.5	5

 # LWDs/mile: 276



Pools

Rank	Depth (ft)	L (W_{bkf})	#
1	1.0 ≤ D < 2.0	< 0.5	23
2	1.0 ≤ D < 2.0	≥ 0.5	10
3	2.0 ≤ D < 3.0	< 0.5	1
4	2.0 ≤ D < 3.0	≥ 0.5	1
5	D ≥ 3.0	< 0.5	0
6	D ≥ 3.0	≥ 0.5	0
7	D ≥ 3.0	≥ 1.0	0

 # Pools/mile: 29