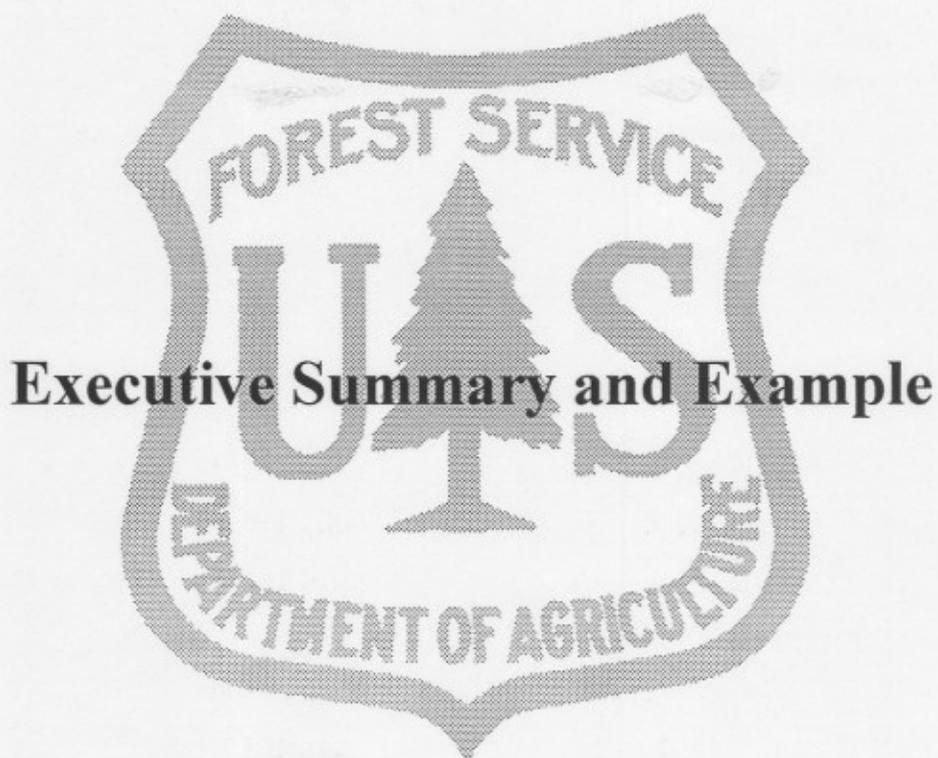


**Current Condition of Streams on the Pedlar Ranger District,
George Washington - Jefferson National Forest, Virginia**



Executive Summary and Example

**Center for Aquatic Technology Transfer
134 Cheatham Hall, VA Tech
Blacksburg, VA 24061**

**Current Condition of Streams on the Pedlar Ranger District,
George Washington - Jefferson National Forest, Virginia**

Executive Summary and Example

United States Department of Agriculture
Forest Service
Center for Aquatic Technology Transfer

134 Cheatham Hall
Virginia Polytechnic Institute and State University
Blacksburg, VA 24061

Martin K. Underwood
Kevin N. Leftwich
and
C. Andrew Dolloff
Unit Leader
Southern Research Station
Coldwater Fisheries Unit

for

Mark Hudy
Fisheries Biologist
George Washington - Jefferson National Forest

December 1995

Forward

In 1995 we classified and inventoried 60 streams on the Pedlar Ranger District, George Washington - Jefferson National Forest to quantify current stream conditions. Basinwide Visual Estimation Techniques were used to measure stream habitat parameters identified in the George Washington forest plan. The final report was submitted to Mark Hudy, fisheries biologist, George Washington - Jefferson National Forest and the Pedlar Ranger District in January 1996.

Here we provide a copy of the Pedlar Ranger District report with an example of one stream summary. The purpose of this Executive Summary is to provide an example of one of the numerous services and products provide by the Center for Aquatic Technology Transfer (CATT). A copy of the report, in its entirety, is available from USFS-CATT, 134 Cheatham Hall, VA Tech, Blacksburg, VA 24061, upon request.

Citation:

Underwood M.K., Leftwich, K.N., and C.A. Dolloff. 1995. Current condition of streams on the Pedlar Ranger District, George Washington-Jefferson National Forest, Virginia. USDA Forest Service, George Washington- Jefferson National Forest, Pedlar Ranger District, Buena Vista, Virginia. 314pp.

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Introduction - In Spring 1995 we began stream habitat surveys on the Pedlar Ranger District (PRD), George Washington - Jefferson National Forest (GW - JNF) to quantify current stream conditions. Habitat in about 113 miles of stream (52 streams) was classified and inventoried between 15 May and 15 October 1995 using Basinwide Visual Estimation Techniques (BVET [Dolloff et. al 1993]). Data collected in two additional PRD watersheds (8 streams) by the USFS Southern Research Station in 1989 were also summarized and included in this report.

We modified standard BVET methods to measure stream habitat parameters identified in the George Washington (GW) forest plan. Included in the forest plan is an outline of the desired-future-condition (DFC) for all the streams within the GW based on physical habitat. The pertinent DFCs for the GW include woody debris loading of 125 to 300 pieces per mile and 30 to 70 percent of the total stream habitat in pools. The use of BVET allowed us to estimate woody debris loading, percentage of pool and riffle area, and the width of the riparian area of streams in the PRD. Further, we were able to map the distribution of woody debris in all streams surveyed.

The purpose of this report is to describe the current conditions of PRD streams in a format useful to the PRD and the GW-JNF. The inclosed information is intended as a baseline for PRD managers involved in habitat improvement projects or land use decisions.

Methods - Two-stage visual estimation techniques were used to quantify habitat and DFCs in selected PRD streams. During the first stage, all habitat units were classified and the surface area and depth were estimated. Sampling strata were based on naturally occurring habitat units such as pools (an area in the stream with low water velocity, streambed gradient near zero, and a smooth water surface) and riffles (an area in the stream with relatively steep gradient, shallow water, relatively high velocity, and turbulent surface). Surveys began at confluences for streams confined to the PRD and at the downstream PRD boundary for all other streams. Surveys were terminated when we encountered an upstream USFS property boundary or determined the stream to be intermittent.

Habitat in each stream was classified and inventoried by a two-person crew. One crew member identified each habitat unit by type, estimated surface area, and estimated the average and maximum depth of each habitat unit. Average depth of each habitat unit was estimated by taking depth measurements at various places across the channel profile with a graduated staff marked in 0.1-ft increments. The length (0.1 ft) of each habitat unit was measured with a hip chain.

Another crew member classified and inventoried large woody debris (LWD), associated with each habitat unit, within the stream channel and recorded the data on a Husky Hunter field computer. LWD was divided into four classes: 1) less than 15-ft long, less than 14-in diameter, 2) less than 15-ft long, greater than 14-in diameter, 3) greater than 15-ft long, less than 14-in diameter, and 4) greater than 15-ft long, greater than 14-in diameter. All LWD less than 4-ft long and less than 4-in diameter were omitted from the survey.

The first unit of each habitat type selected for intensive sampling (accurate measurement of surface area - second stage sampling) was determined randomly. Additional units were selected systematically (one unit out of 20 for each habitat type). The width of these systematically selected habitat units was measured with a 50-ft measuring tape at intervals ranging from about 5 ft to 15 ft. Interval size was determined by the length and the morphology of the

unit (e.g., intervals of measured widths increased with increasing unit length).

The relationship between the estimated surface area and the measured surface area typically is strongly and positively correlated when the estimates are made by experienced personnel; thus, visual estimates were corrected by multiplying all estimates by a calibration ratio (Hankin and Reeves 1988). The calibration ratio (\hat{Q}), the estimated true total area (\hat{M}) and the variance of the area estimator $\hat{V}(\hat{M})$ were calculated separately for each habitat type and each stream.

In each of the systematically selected riffles we also estimated the stream channel width (ft) at bankfull and riparian width (ft) as described by Harrelson et. al 1994. We used this information to describe the channel and flood plain associated with each stream.

BVET calculations were computed using a Statistical Analysis Systems (SAS) program developed by Dr. Patricia Flebbe (100 Cheatham Hall, VA Tech, Blacksburg, VA 24060). Data were summarized using a Quattro Pro spreadsheet.

User's Guide - Stream Summaries are organized alphabetically by U. S. Geological Survey Topographic Quadrangle. Each Stream Summary contains: 1) synopsis of stream characteristics, 2) percent pools and riffles graph, 3) LWD size graph, 4) LWD distribution graph, and 5) boxplot of riparian measurements. Streams without riparian boxplots were either streams with less than two riparian measurements or streams surveyed by the Southern Research Station in 1989. GW-JNF DFCs are indicated on all pertinent graphs.

We also included references tables of all streams surveyed which will allow managers to quickly assess the present condition of PRD streams in relation to pertinent DFCs. Streams are arranged by DFC parameters (percent pool habitat and LWD pieces per mile) in ascending order. DFCs are indicated within each table.

Literature Cited

Dolloff, C. A., D. G. Hankin, and G. H. Reeves. 1993. Basinwide estimation of habitat and fish populations in streams. General Technical Report SE-83. Asheville, North Carolina: U.S. Department of Agriculture, Forest Service, Southeastern Forest Experimental Station. 25 pp.

Hankin, D. G. and G. H. Reeves. 1988. Estimating total fish abundance and total habitat area in small streams based on visual estimation methods. Canadian Journal of Fisheries and Aquatic Sciences. 45: 834-844.

Harrelson, Cheryl C.; Rawlins, C. L.; Potyondy, John P. 1994. Stream channel reference sites: an illustrated guide to field technique. Gen. Tech. Rep. RM-245. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station. 61p.

Reference Tables

Table 1. Large woody debris (LWD) pieces per mile in streams on the Pedlar Ranger District. Streams below the double line meet GW-JNF DFCs.

Stream	LWD per mile	Miles Surveyed
Lower St. Marys Creek	4.1	1.2
Irish Creek	14.2	4.6
Big Marys Creek	32	4.5
Otter Tributary	36.4	1.1
Loves Run	51.4	1.5
Kennedy Creek	60.7	2.7
Stony Run	63.8	1.4
Love Lady Creek	66.9	1.4
Chimney Branch	69.7	0.3
Terrapin Creek	75.7	1.4
Lower North Fork Buffalo River	77.4	1.2
Reservoir Hollow	77.9	1.4
Coles Run	81.5	2.5
Upper North Fork Buffalo River	84	1.6
Pedlar River	84.2	13.1
51C Tributary	91.3	0.7
Johns Creek	92.7	2.6
Rocky Row Tributary	92.9	0.3
Upper St. Marys Creek	96	2
Rocky Row Run	97.2	2.9
Pedlar Run	101.8	1.7
Shoe Creek	103.3	2.1
Mine Bank Creek	106.3	0.3
Browns Creek	106.8	4.7
Kings Creek	114.5	1.1
Right Fork Shoe Creek	123.3	0.3
Little Piney River	124.1	2.7

LWD ≥ 125 pieces per mile		

Rocky Branch	125	0.6
Cashaw Tributary	125	0.6
Big Bend Creek	131.7	1.2
Snow Creek	133.1	1.6
Brown Mtn. Creek	134.5	2.9
North Fork Back Creek	135.2	4.2
Dancing Creek	135.6	2.7
Mills Creek	136.7	6.1

Table 1. Continued.

Otter Creek	140.5	0.9
Hogback Creek	140.8	0.5
South Fork Piney River	141.6	5.3
Coxs Creek	147	1
Peters Creek	147.6	1.8
Roberts Creek	154	1.3
Davis Mill Creek	160	1.5
Statons Creek	162.4	0.9
Orebank Creek	180	2.1
Swapping Camp Creek	181.3	0.3
Georges Creek	185.9	1.4
Little Irish Creek	196.2	2.9
Little Otter Creek	207.9	0.4
Maple Creek	231.3	0.5
Enchanted Creek	238.1	2.5
Little Cove Creek	239	1
North Fork Piney River	245.5	2.7
Cashaw Creek	276.1	2.6
Shady Mtn. Creek	291.7	0.7
Greasy Springs Branch	295.6	1.1
Campbell Creek	299.6	0.9
Poplar Cove Creek	318	1.7
Belle Cove Branch	462.5	3.7
Elk Pond Branch	464.7	0.5
North Fork Bennetts Run	514.1	1.1
Little Irish Tributary	550	0.6
Bennetts Run	593.5	0.9

Table 2. Percent pool habitat of streams surveyed on the Pedlar Ranger District. Streams below the double line meets GW-JNF DFCs.

Stream	Precent Pool Habitat	Miles Surveyed
Kennedy Creek	7.3	2.7
Bennetts Run	15.1	0.9
Little Irish Tributary	17.8	0.6
Brown Mtn. Creek	18	2.9
Poplar Cove Creek	18.7	1.7
North Fork Piney River	19.5	2.7
Greasy Springs Branch	21.5	1.1
South Fork Piney River	22.1	5.3
Stony Run	22.7	1.4
Loves Run	23.8	1.5
Big Marys Creek	24.5	4.5
Rocky Branch	24.7	0.6
Campbell Creek	25.4	0.9
Davis Mill Creek	25.4	1.5
51C Tributary	25.7	0.7
North Fork Back Creek	26.7	4.2
Kings Creek	27.3	1.1
Right Fork Shoe Creek	27.9	0.3
Mills Creek	28.4	6.1
Coles Run	28.9	2.5
Elk Pond Branch	29.1	0.5
Little Cove Creek	29.2	1
Little Irish Creek	29.2	2.9

Pool Habitat \geq 30%		

Rocky Row Tributary	30.1	0.3
Johns Creek	30.1	2.6
Big Bend Creek	30.2	1.2
Pedlar Run	30.5	1.7
Reservoir Hollow	30.6	1.4
Belle Cove Branch	30.9	3.7
Little Piney River	32.7	2.7
Georges Creek	34.5	1.4
Swapping Camp Creek	34.9	0.3
Enchanted Creek	35.4	2.5
Irish Creek	35.7	4.6
Shoe Creek	36.5	2.1

Table 2. Continued.

Mine Bank Creek	36.6	0.3
North Fork Bennetts Run	36.6	1.1
Roberts Creek	36.7	1.3
Lower N. Fork Buffalo River	36.9	1.2
Chimney Branch	37.1	0.3
Otter Tributary	38.3	1.1
Peters Creek	39.1	1.8
Otter Creek	39.8	0.9
Rocky Row Run	40.8	2.9
Cashaw Tributary	41.8	0.6
Hogback Creek	42	0.5
Upper N. Fork Buffalo River	42.6	1.6
Coxs Creek	45.2	1
Snow Creek	45.4	1.6
Browns Creek	46.6	4.7
Shady Mtn. Creek	47.2	0.7
Pedlar River	49.6	13.1
Statons Creek	49.9	0.9
Love Lady Creek	50	1.4
Terrapin Creek	50.7	1.4
Cashaw Creek	50.8	2.6
Dancing Creek	52	2.7
Little Otter Creek	54	0.4
Orebank Creek	60.3	2.1
Upper St. Marys Creek	61.9	2
Maple Creek	63.1	0.5
Lower St. Marys Creek	66.5	1.2

Aknowledgements

We would like to thank the following people for their contributions to this report: J. L. Bettinger, J. L. Bush, G. Devlin, C. Eads, P. A. Flebbe, H. E. Jennings, J. S. Quarles, and A. R. Showalter.

Stream Summaries

Big Island Quadrangle

Stream: Cashaw Creek

District: Pedlar

Quadrangle: Big Island

Sample Date: 8/8/95

Downstream Starting Point: confluence with James River

Total Distance Surveyed: 2.59 miles

Percent of Total Area - Pools: 50.8%

Number of Pools: 185

Number of Pools per mile: 71

Total Pool Area: 55903.54 sq. ft. \pm 1929.86

Mean Pool Area: 302.18 sq. ft.

Correction Factor: 1.06

Mean Maximum Depth: 1.5'

Mean Average Depth: 0.9'

Percent of Total Area - Riffles: 49.2%

Number of Riffles: 162

Number of Riffles per mile: 63

Total Riffle Area: 54056.27 sq. ft. \pm 6743.165

Mean Riffle Area: 333.68 sq. ft.

Correction Factor: 0.99

Mean Maximum Depth: 0.7'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 276.1

Wood < 15' and < 14": 143.2

Wood < 15' and > 14": 13.5

Wood > 15' and < 14": 92.3

Wood > 15' and > 14": 27.0

Mean Channel Width: 22.6'

Mean Riparian Width: 53.8'

Mean Maximum Riparian Distance (either side): 23.9'

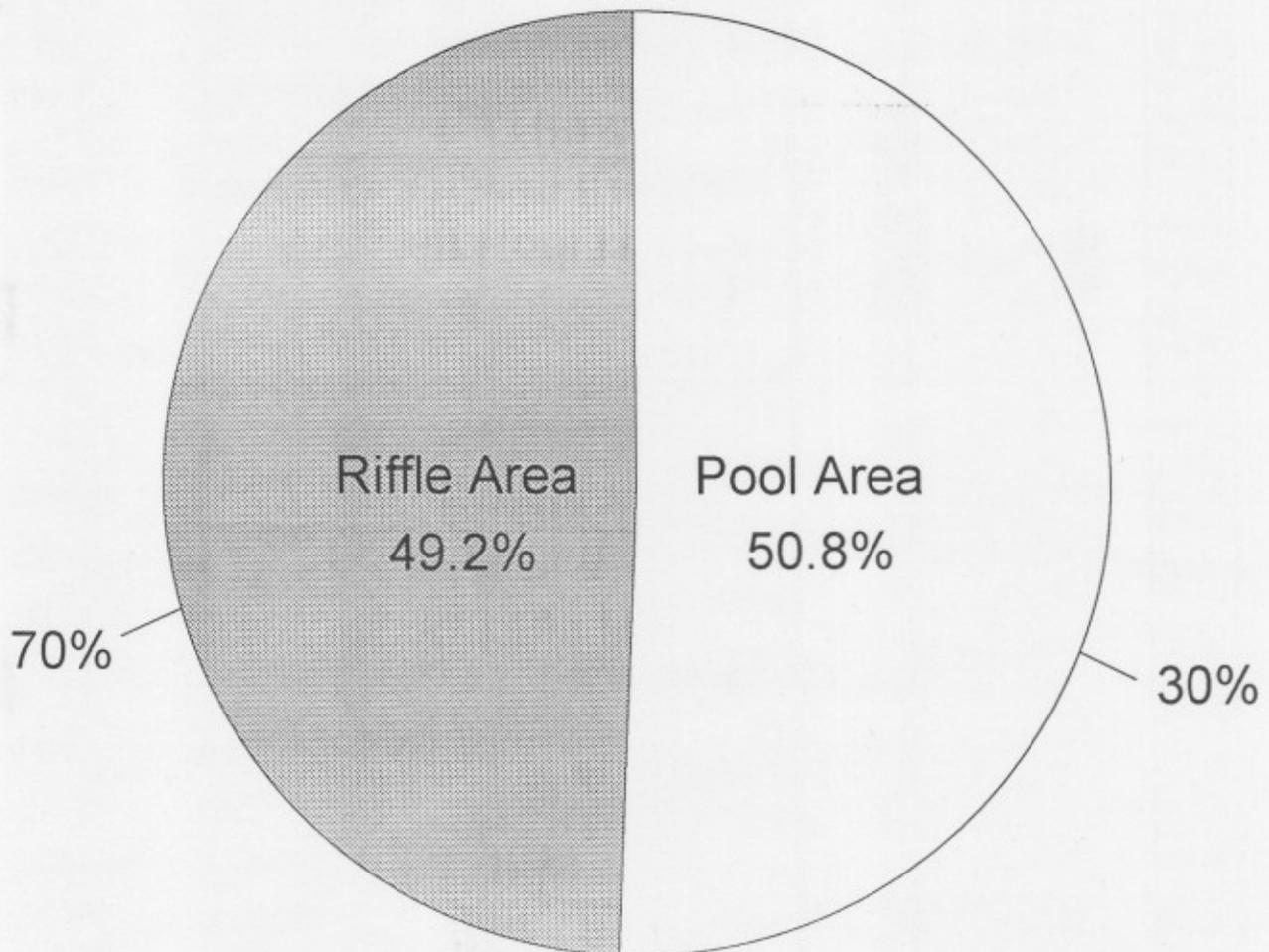
Mean Minimum Riparian Distance (either side): 7.4'

Maximum Riparian Width (Total): 86.1'

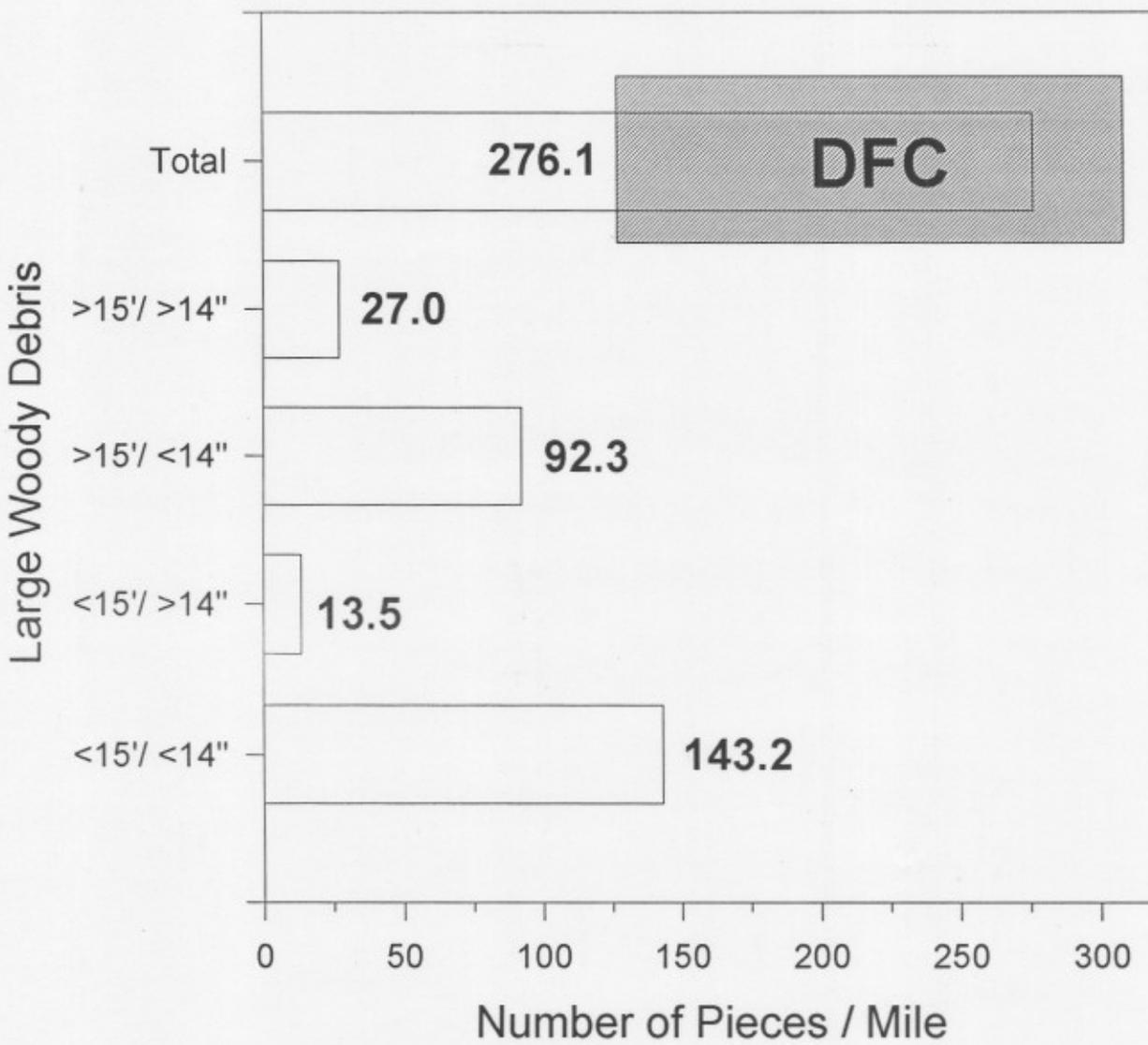
Minimum Riparian Width (Total): 34.2'

Cashaw Creek

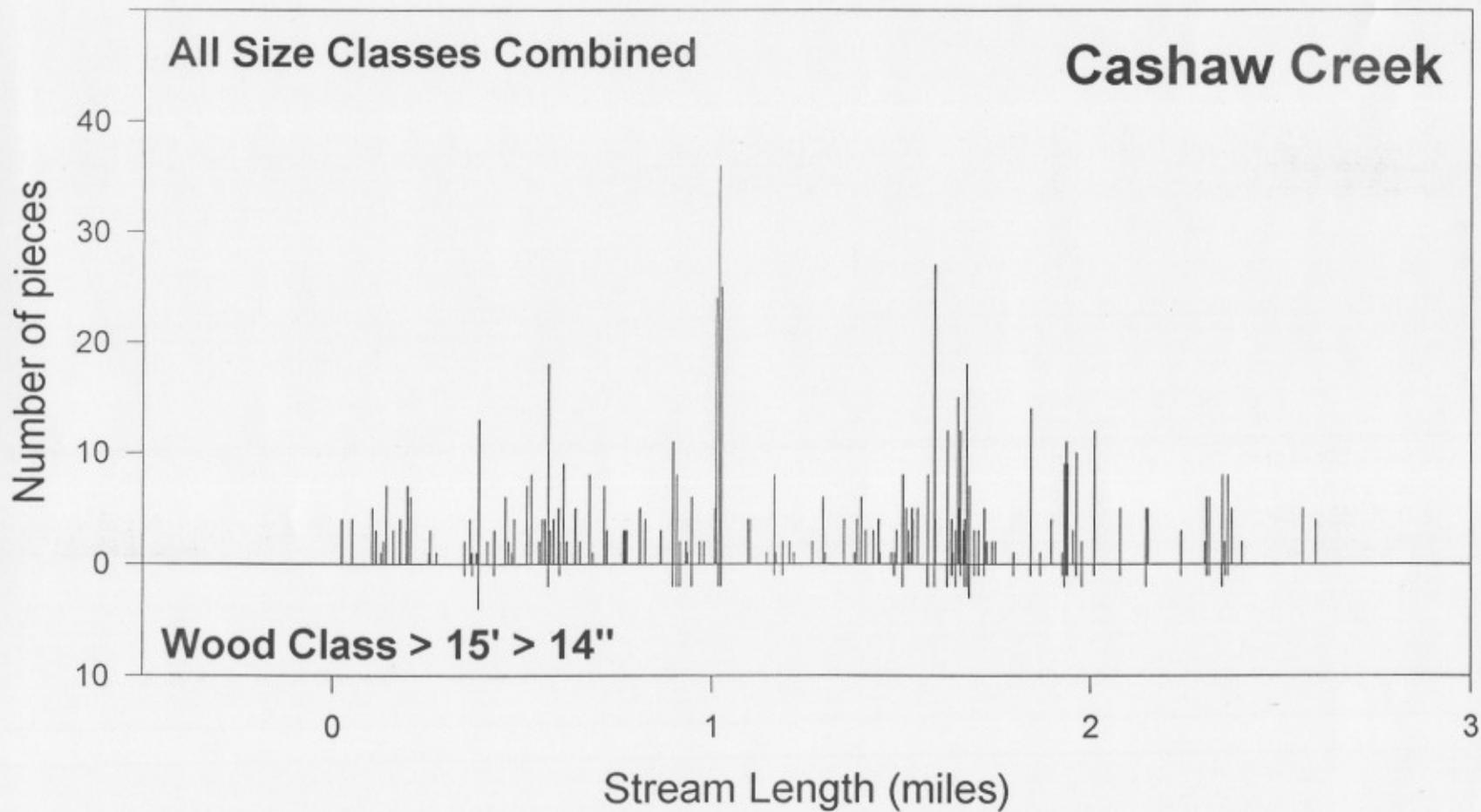
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Cashaw Creek



Large Woody Debris Distribution



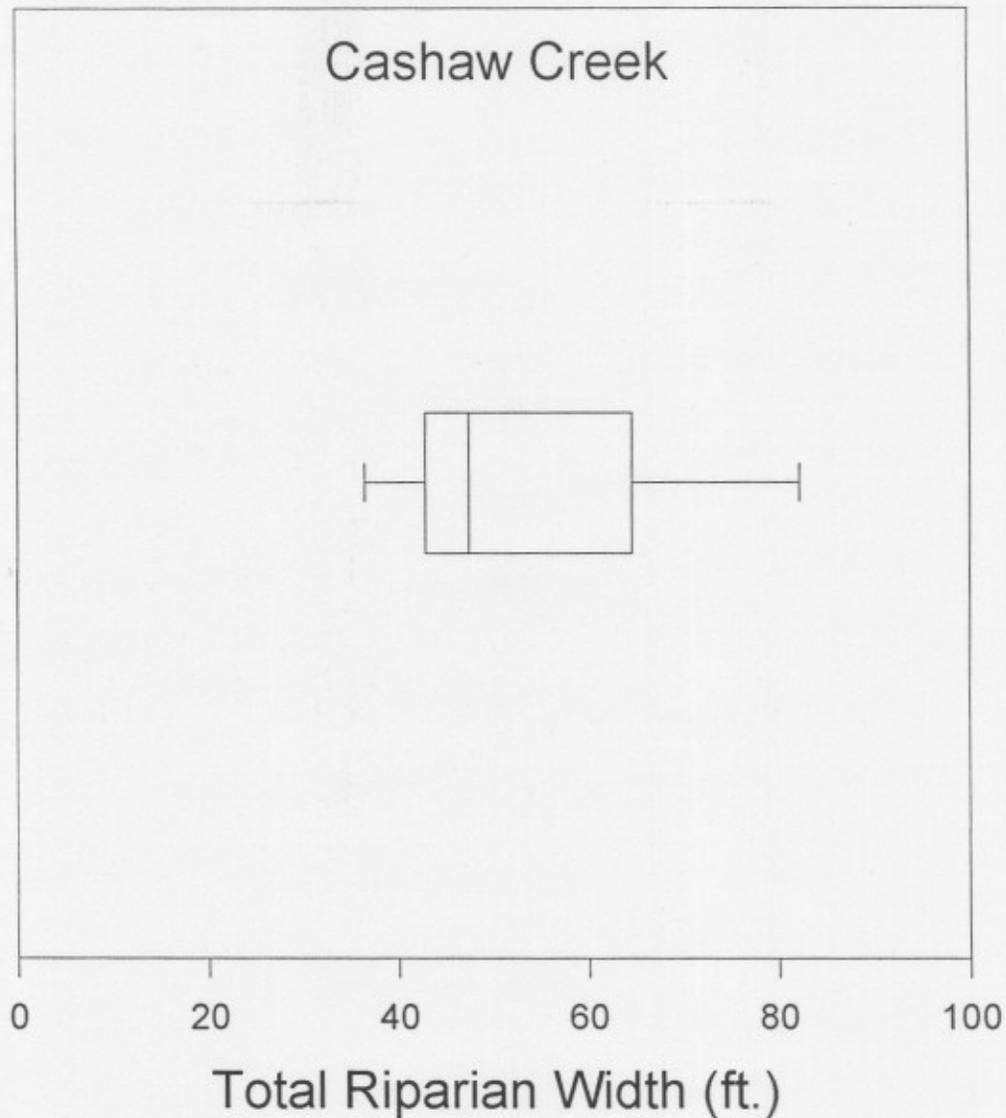
Riparian Width

Stream: Cashaw Creek

Number of measurements: 8

Mean width: 53.8 Std Dev: 17.5

Max: 86.1 Min: 34.2



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Cashaw Tributary

District: Pedlar

Quadrangle: Big Island

Sample Date: 8/10/95

Downstream Starting Point: confluence with Cashaw Creek

Total Distance Surveyed: 0.58 miles

Percent of Total Area - Pools: 41.8%

Number of Pools: 49

Number of Pools per mile: 85

Total Pool Area: 11841.73 sq. ft. \pm 2406.68

Mean Pool Area: 241.67 sq. ft.

Correction Factor: 0.96

Mean Maximum Depth: 1.7'

Mean Average Depth: 1.1'

Percent of Total Area - Riffles: 58.2%

Number of Riffles: 42

Number of Riffles per mile: 73

Total Riffle Area: 16458.27 sq. ft. \pm 6642.98

Mean Riffle Area: 391.86 sq. ft.

Correction Factor: 1.13

Mean Maximum Depth: 0.8'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 125.0

Wood < 15' and < 14": 62.5

Wood < 15' and > 14": 13.9

Wood > 15' and < 14": 43.4

Wood > 15' and > 14": 5.2

Mean Channel Width: 12.9'

Mean Riparian Width: 40.7'

Mean Maximum Riparian Distance (either side): 14.1'

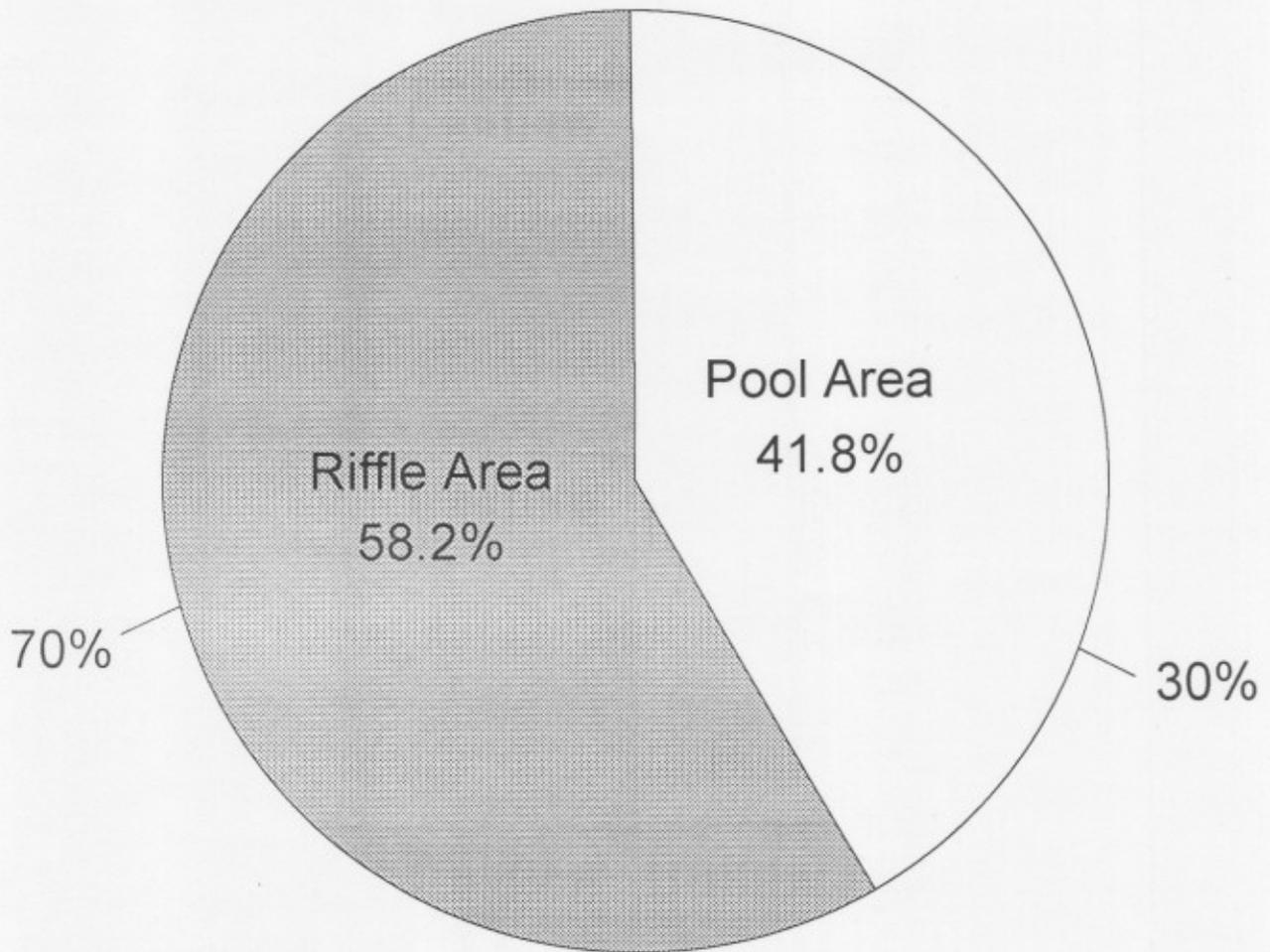
Mean Minimum Riparian Distance (either side): 11.3'

Maximum Riparian Width (Total): 46.1'

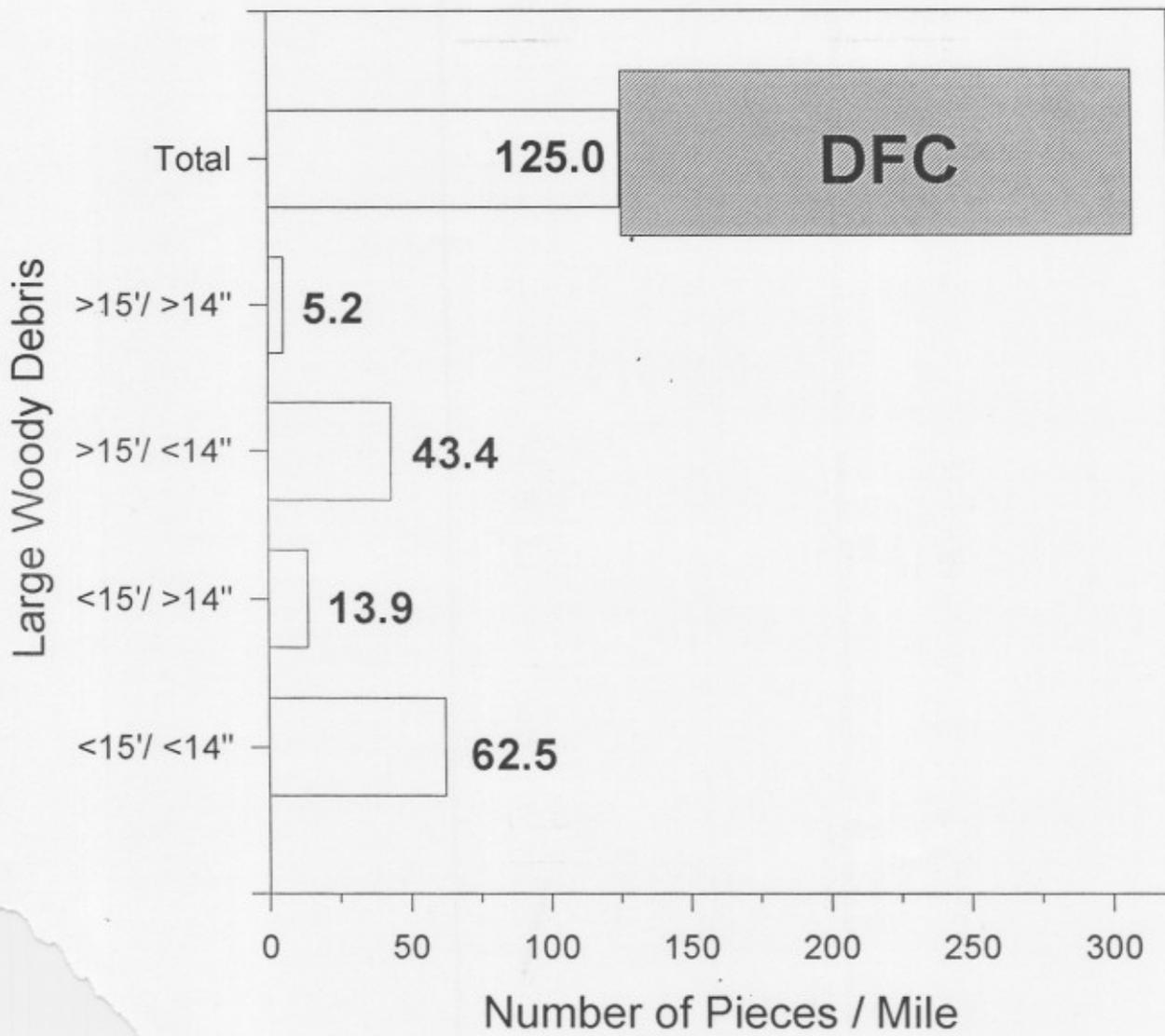
Minimum Riparian Width (Total): 35.2'

Cashaw Tributary

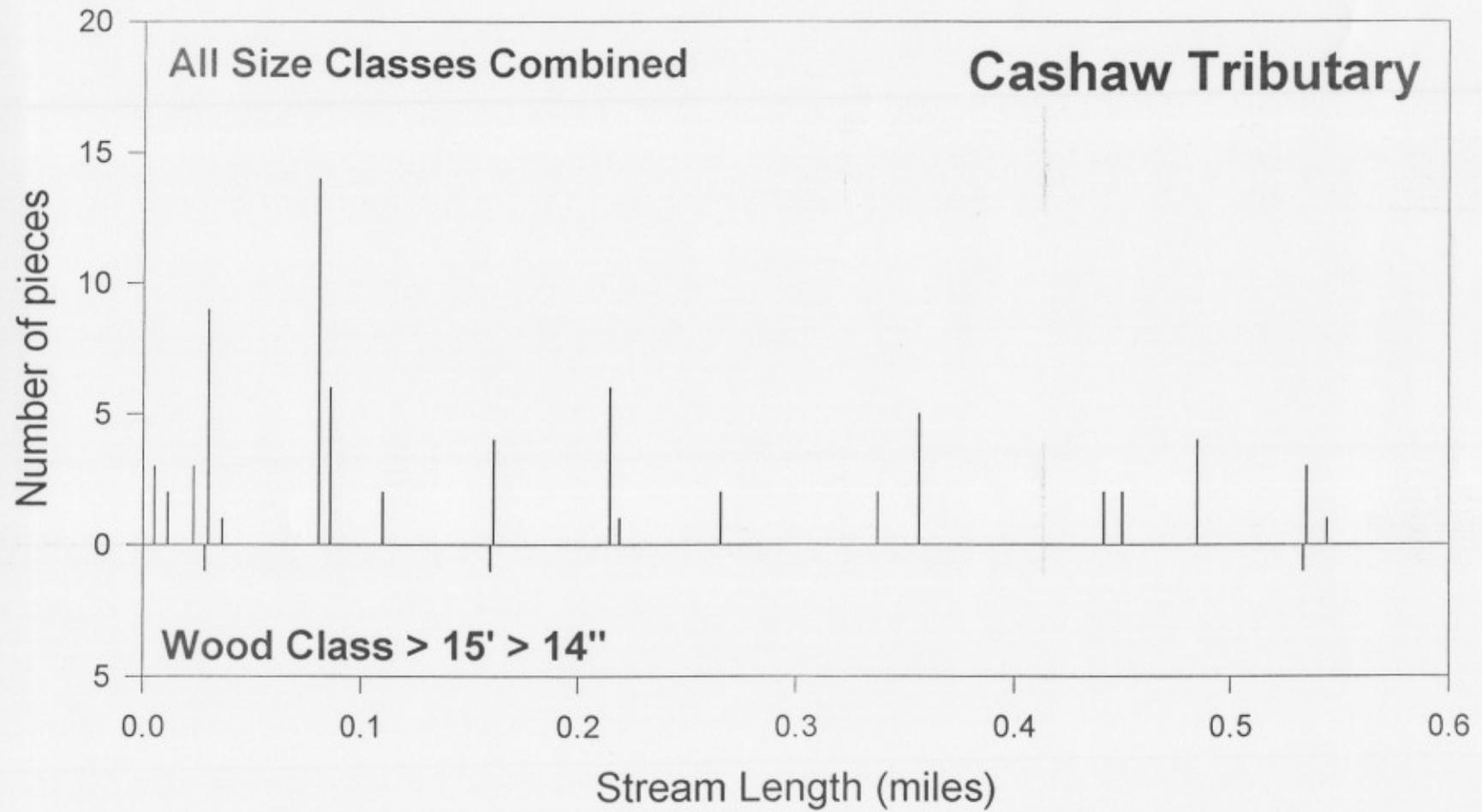
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Cashaw Tributary



Large Woody Debris Distribution



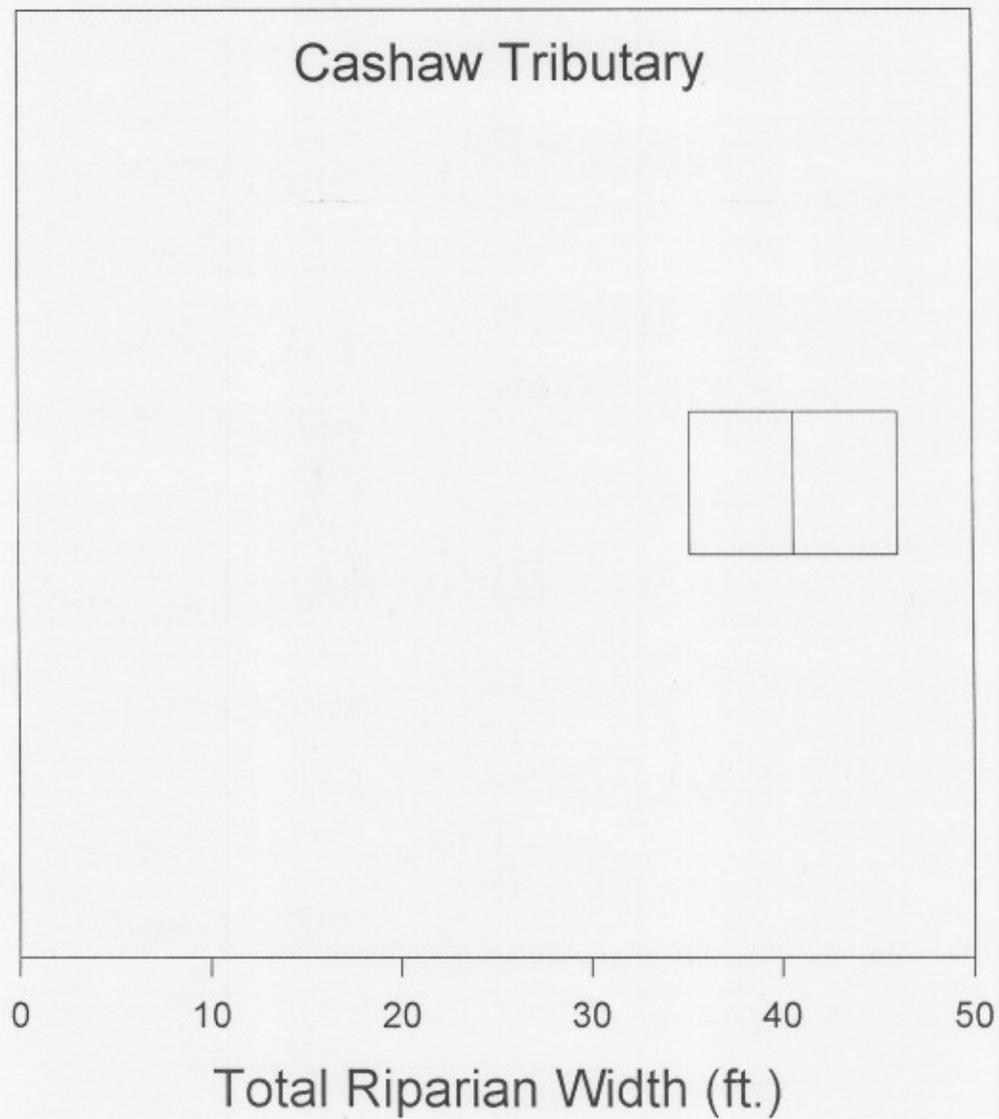
Riparian Width

Stream: Cashaw Tributary

Number of measurements: 2

Mean width: 40.7 Std Dev: 7.7

Max: 46.1 Min: 35.2



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Dancing Creek

District: Pedlar

Quadrangle: Big Island

Sample Date: 8/16/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 2.70 miles

Percent of Total Area - Pools: 52.0%

Number of Pools: 165

Number of Pools per mile: 61

Total Pool Area: 92579.48 sq. ft. \pm 25482.99

Mean Pool Area: 561.09 sq. ft.

Correction Factor: 1.23

Mean Maximum Depth: 1.4'

Mean Average Depth: 1.0'

Percent of Total Area - Riffles: 48.0%

Number of Riffles: 142

Number of Riffles per mile: 53

Total Riffle Area: 85355.60 sq. ft. \pm 8027.33

Mean Riffle Area: 601.10 sq. ft.

Correction Factor: 1.10

Mean Maximum Depth: 0.5'

Mean Average Depth: 0.3'

Number of Large Woody Debris Pieces per Mile: 135.6

Wood < 15' and < 14": 76.3

Wood < 15' and > 14": 0.0

Wood > 15' and < 14": 8.2

Wood > 15' and > 14": 51.1

Mean Channel Width: 26.4'

Mean Riparian Width: 77.8'

Mean Maximum Riparian Distance (either side): 39.9'

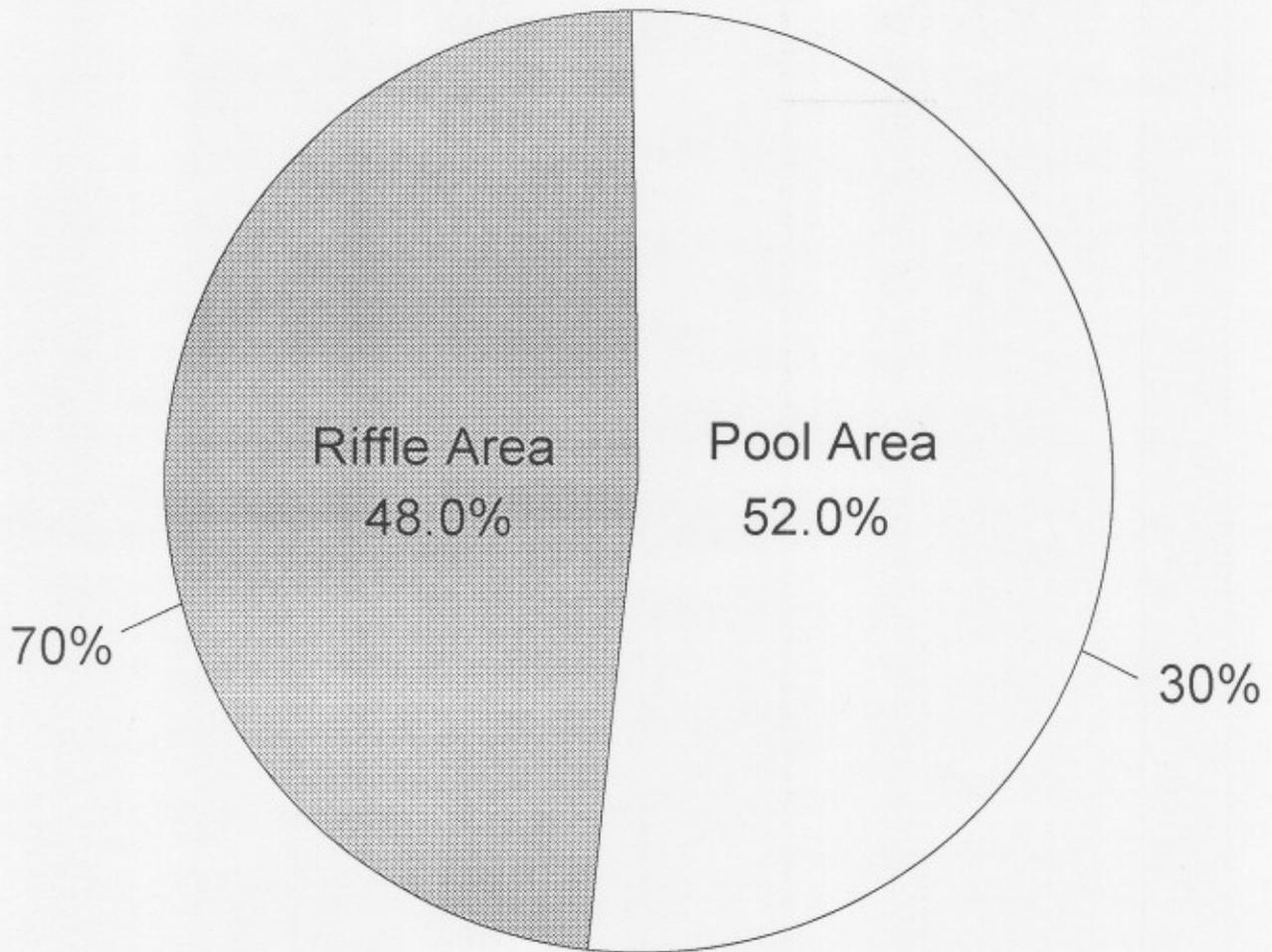
Mean Minimum Riparian Distance (either side): 11.5'

Maximum Riparian Width (Total): 144.0'

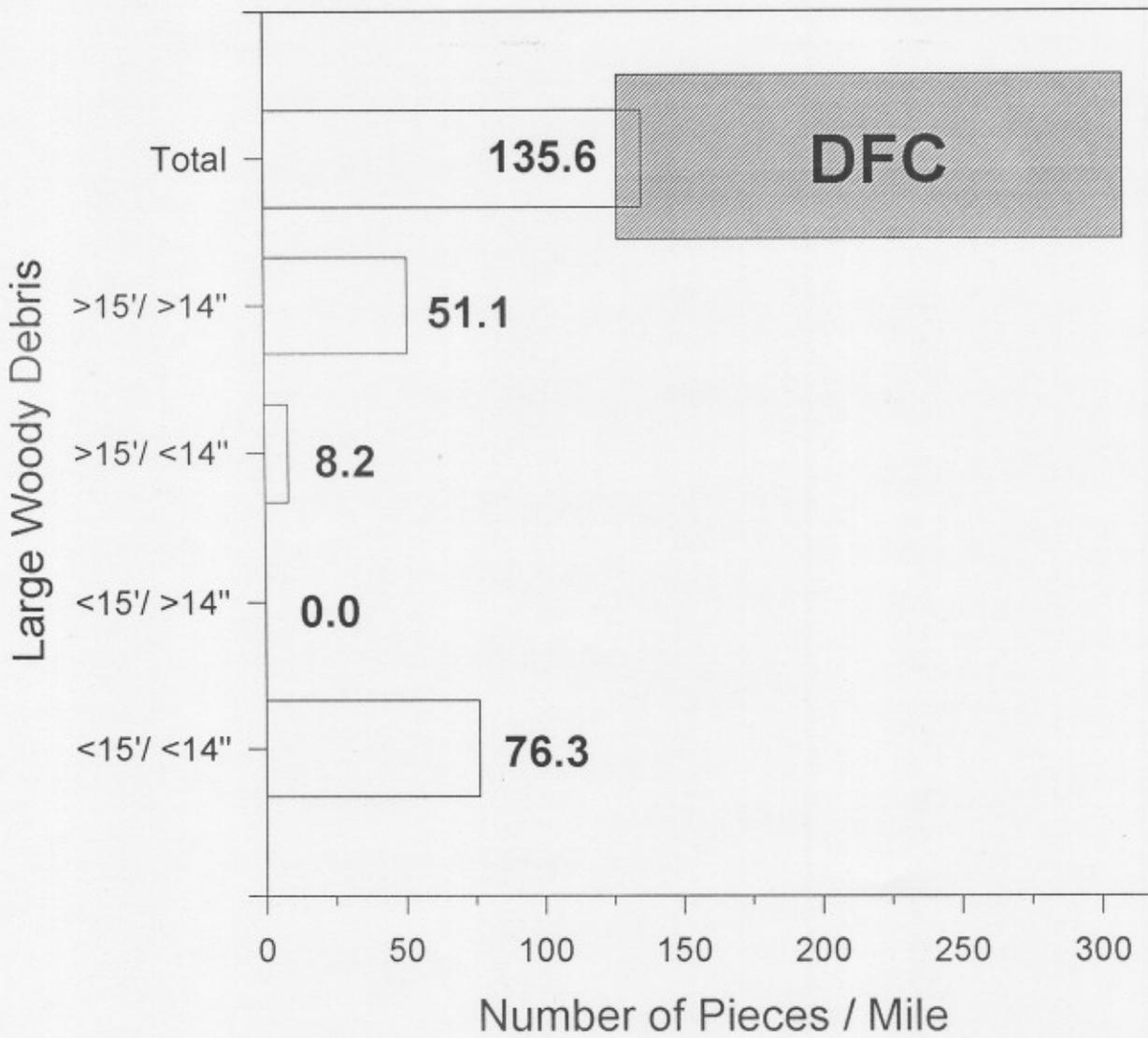
Minimum Riparian Width (Total): 47.6'

Dancing Creek

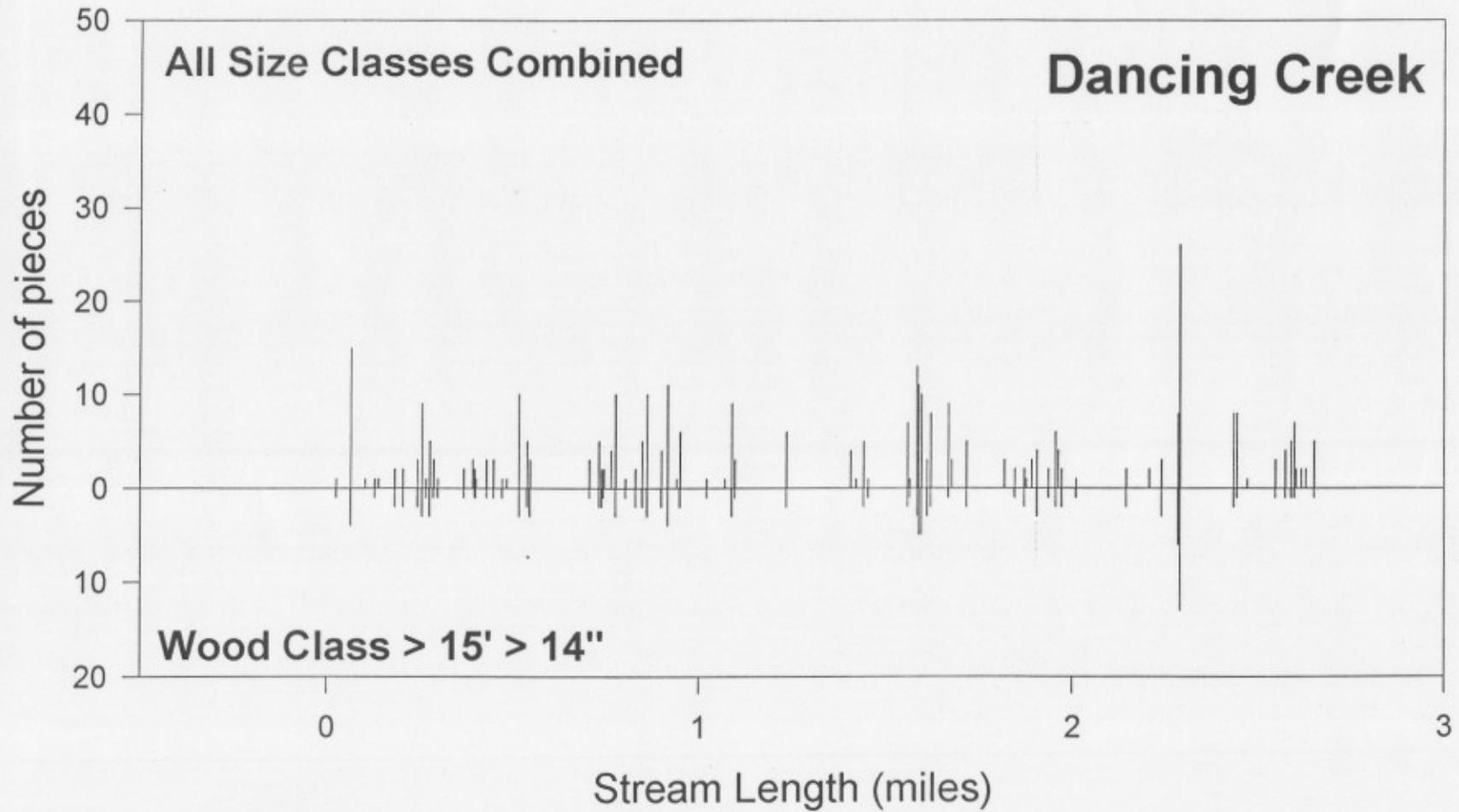
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Dancing Creek



Large Woody Debris Distribution



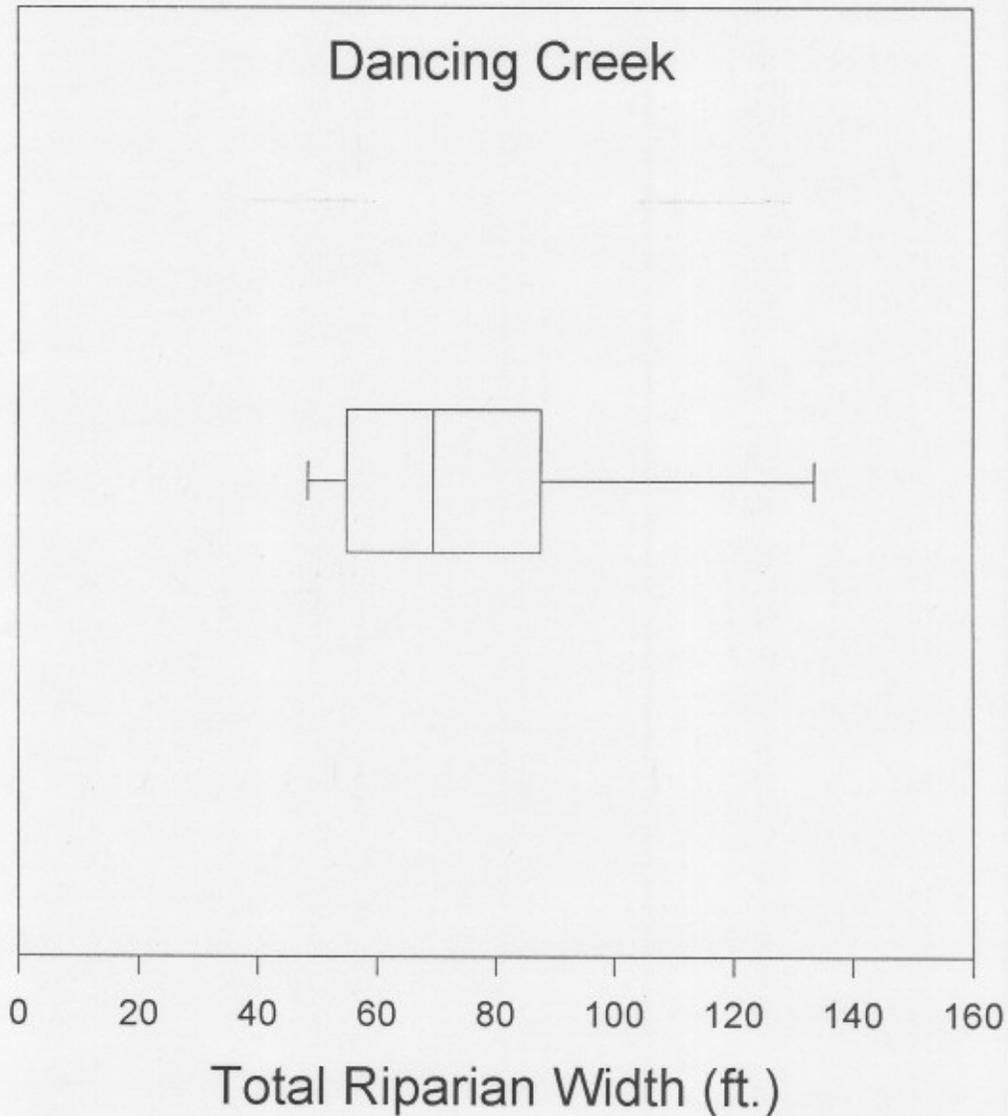
Riparian Width

Stream: Dancing Creek

Number of measurements: 7

Mean width: 77.8 Std Dev: 32.7

Max: 144.0 Min: 47.6



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Little Otter Creek

District: Pedlar

Quadrangle: Big Island

Sample Date: 8/15/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 0.38 miles

Percent of Total Area - Pools: 54.0%

Number of Pools: 37

Number of Pools per mile: 32

Total Pool Area: 9958.53 sq. ft. \pm 5300.68

Mean Pool Area: 269.15 sq. ft.

Correction Factor: 1.28

Mean Maximum Depth: 1.1'

Mean Average Depth: 0.7'

Percent of Total Area - Riffles: 46.0%

Number of Riffles: 32

Number of Riffles per mile: 84

Total Riffle Area: 8466.44 sq. ft. \pm 585.11

Mean Riffle Area: 264.58 sq. ft.

Correction Factor: 1.20

Mean Maximum Depth: 0.5'

Mean Average Depth: 0.3'

Number of Large Woody Debris Pieces per Mile: 207.9

Wood < 15' and < 14": 115.8

Wood < 15' and > 14": 0.0

Wood > 15' and < 14": 13.2

Wood > 15' and > 14": 78.9

Mean Channel Width: 14.8'

Mean Riparian Width: 39.3'

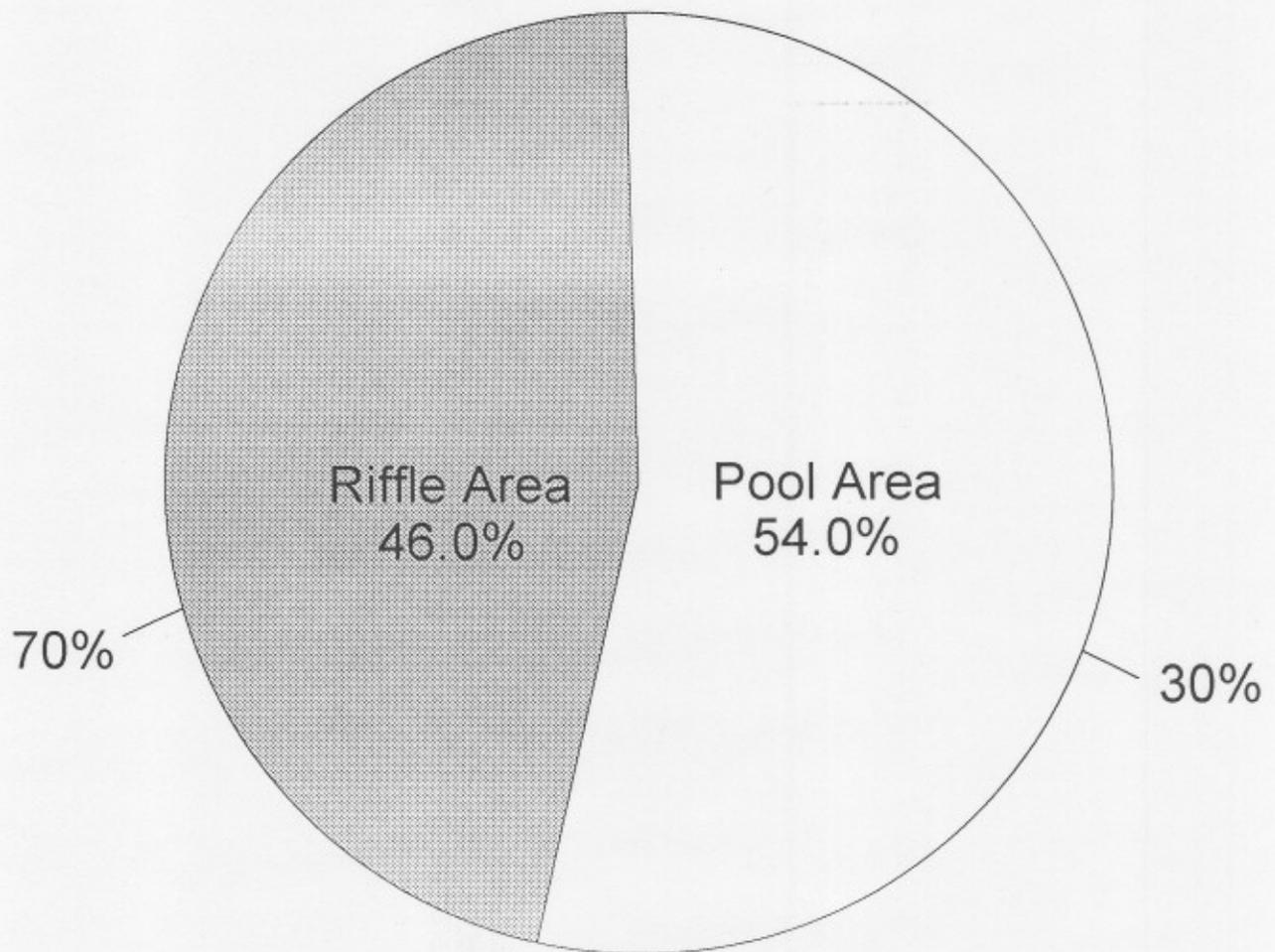
Mean Maximum Riparian Distance (either side): 22.3'

Mean Minimum Riparian Distance (either side): 2.2'

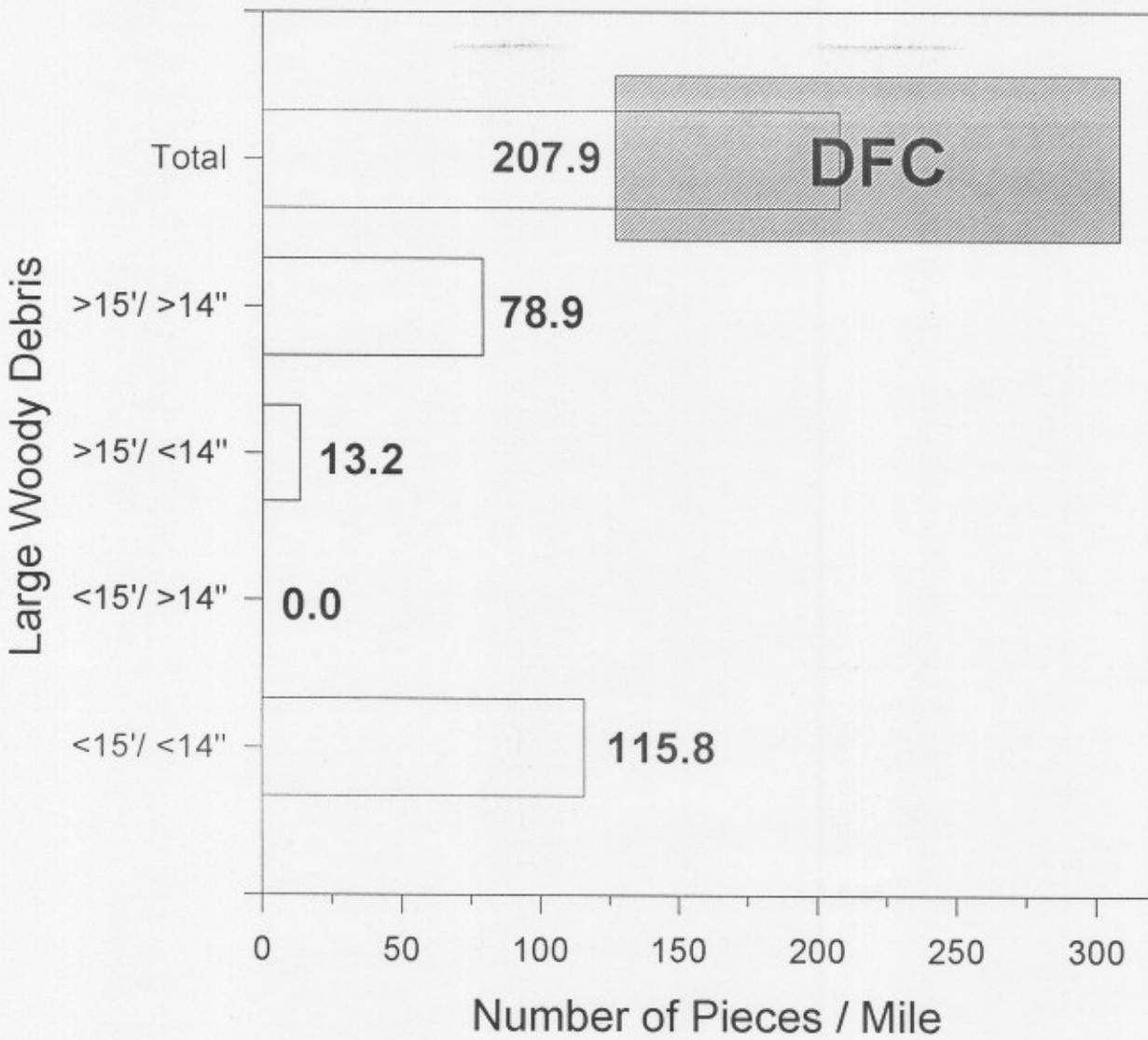
Maximum Riparian Width (Total): 58.6'

Minimum Riparian Width (Total): 19.9'

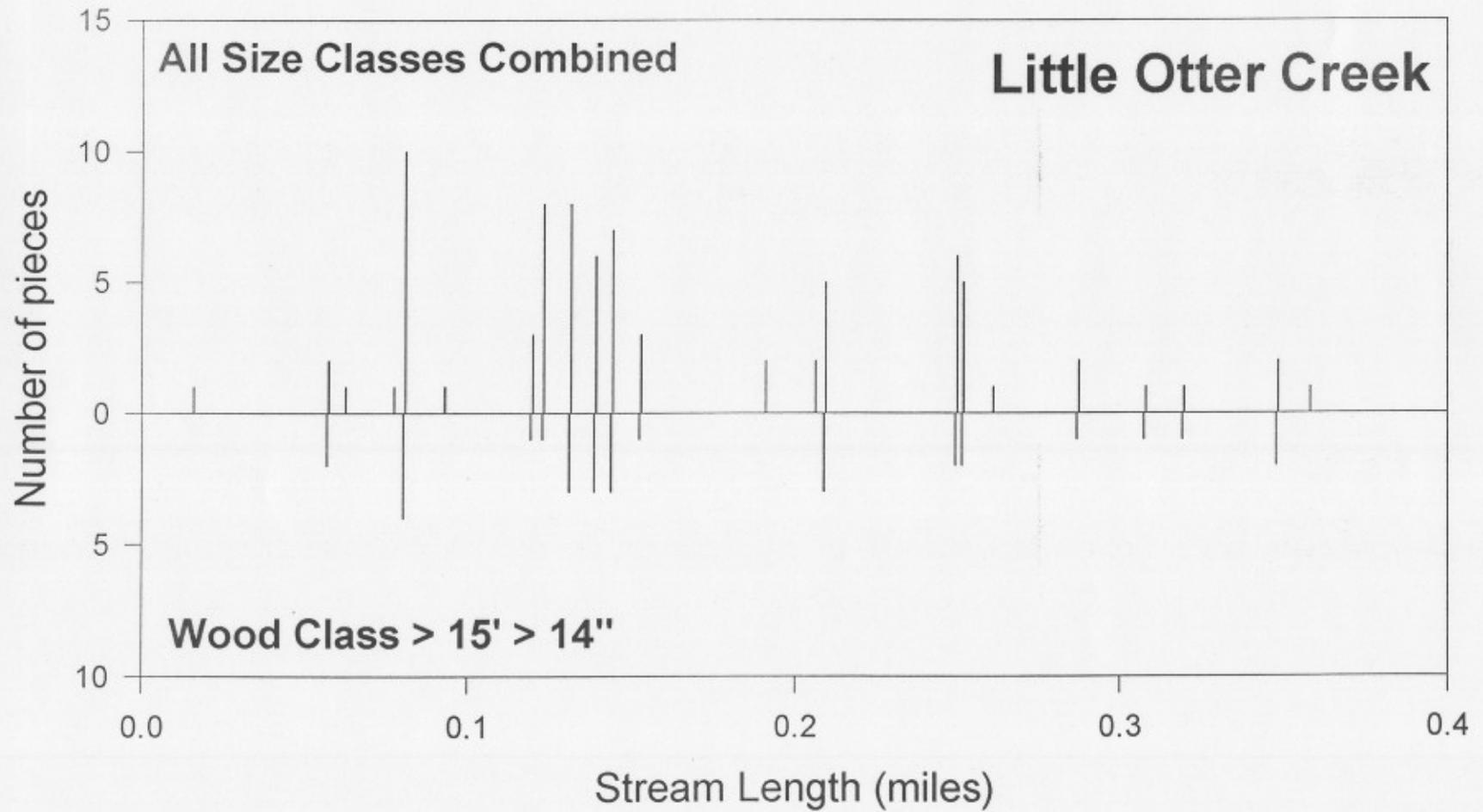
Little Otter Creek
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Little Otter Creek



Large Woody Debris Distribution



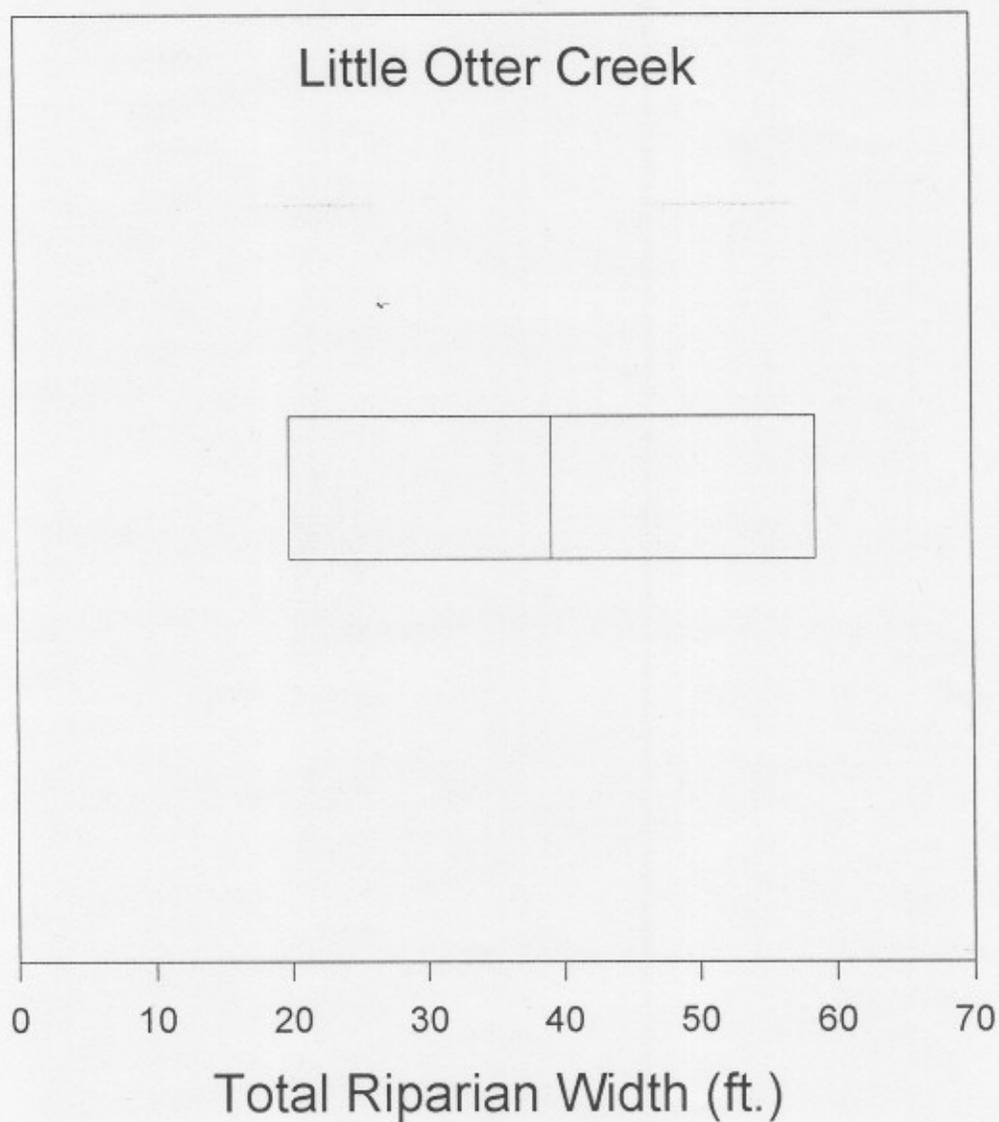
Riparian Width

Stream: Little Otter Creek

Number of measurements: 2

Mean width: 39.3 Std Dev: 27.4

Max: 58.6 Min: 19.9



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Love Lady Creek

District: Pedlar

Quadrangle: Big Island

Sample Date: 8/14/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 1.38 miles

Percent of Total Area - Pools: 50.0%

Number of Pools: 68

Number of Pools per mile: 49

Total Pool Area: 30456.99 sq. ft. \pm 15979.78

Mean Pool Area: 447.90 sq. ft.

Correction Factor: 1.10

Mean Maximum Depth: 1.3'

Mean Average Depth: 0.9'

Percent of Total Area - Riffles: 50.0%

Number of Riffles: 58

Number of Riffles per mile: 42

Total Riffle Area: 30503.96 sq. ft. \pm 4071.11

Mean Riffle Area: 525.93 sq. ft.

Correction Factor: 0.94

Mean Maximum Depth: 0.6'

Mean Average Depth: 0.3'

Number of Large Woody Debris Pieces per Mile: 66.9

Wood < 15' and < 14": 29.9

Wood < 15' and > 14": 5.8

Wood > 15' and < 14": 2.9

Wood > 15' and > 14": 28.3

Mean Channel Width: 28.2'

Mean Riparian Width: 143.1'

Mean Maximum Riparian Distance (either side): 95.0'

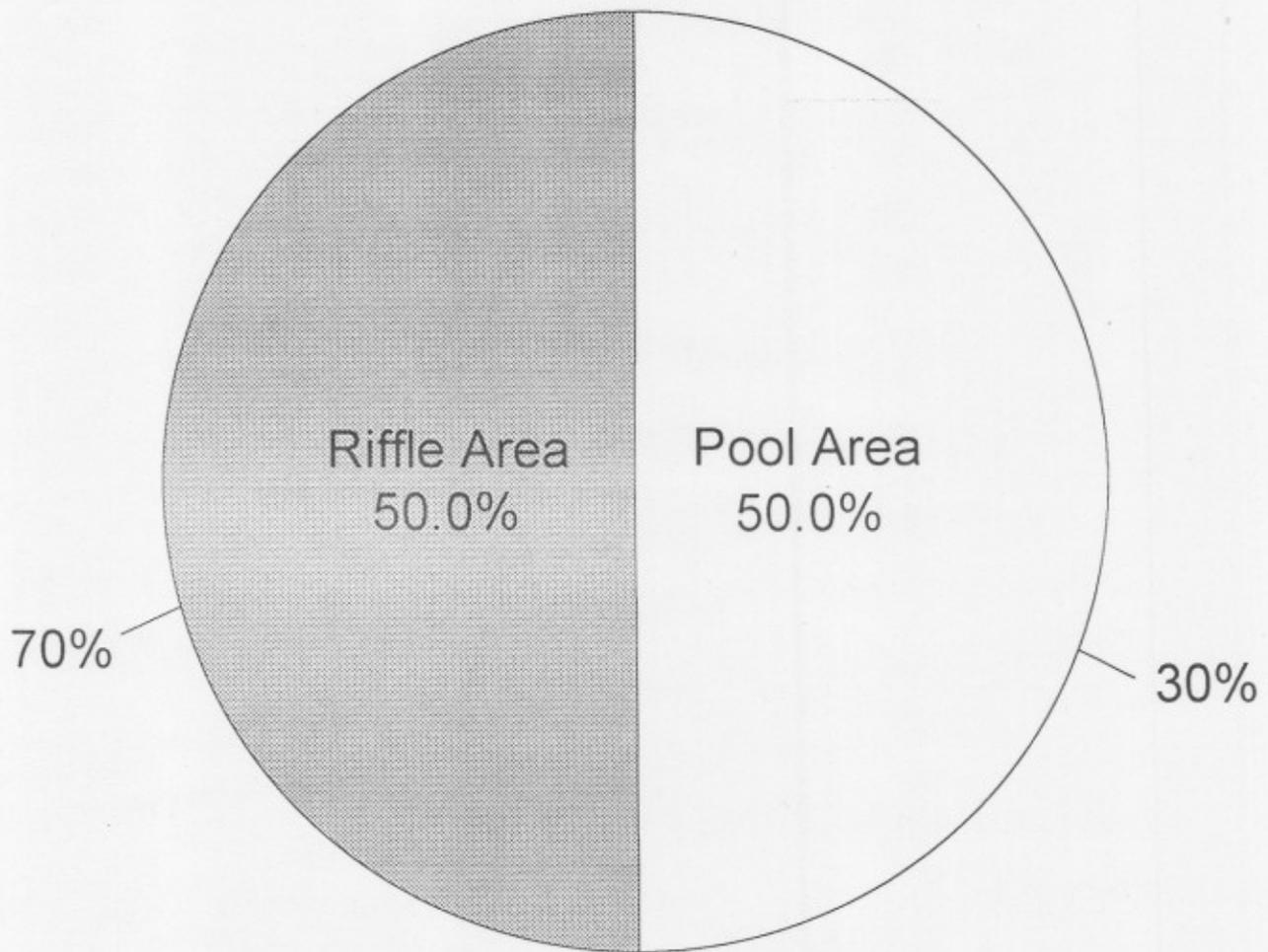
Mean Minimum Riparian Distance (either side): 19.9'

Maximum Riparian Width (Total): 299.3'

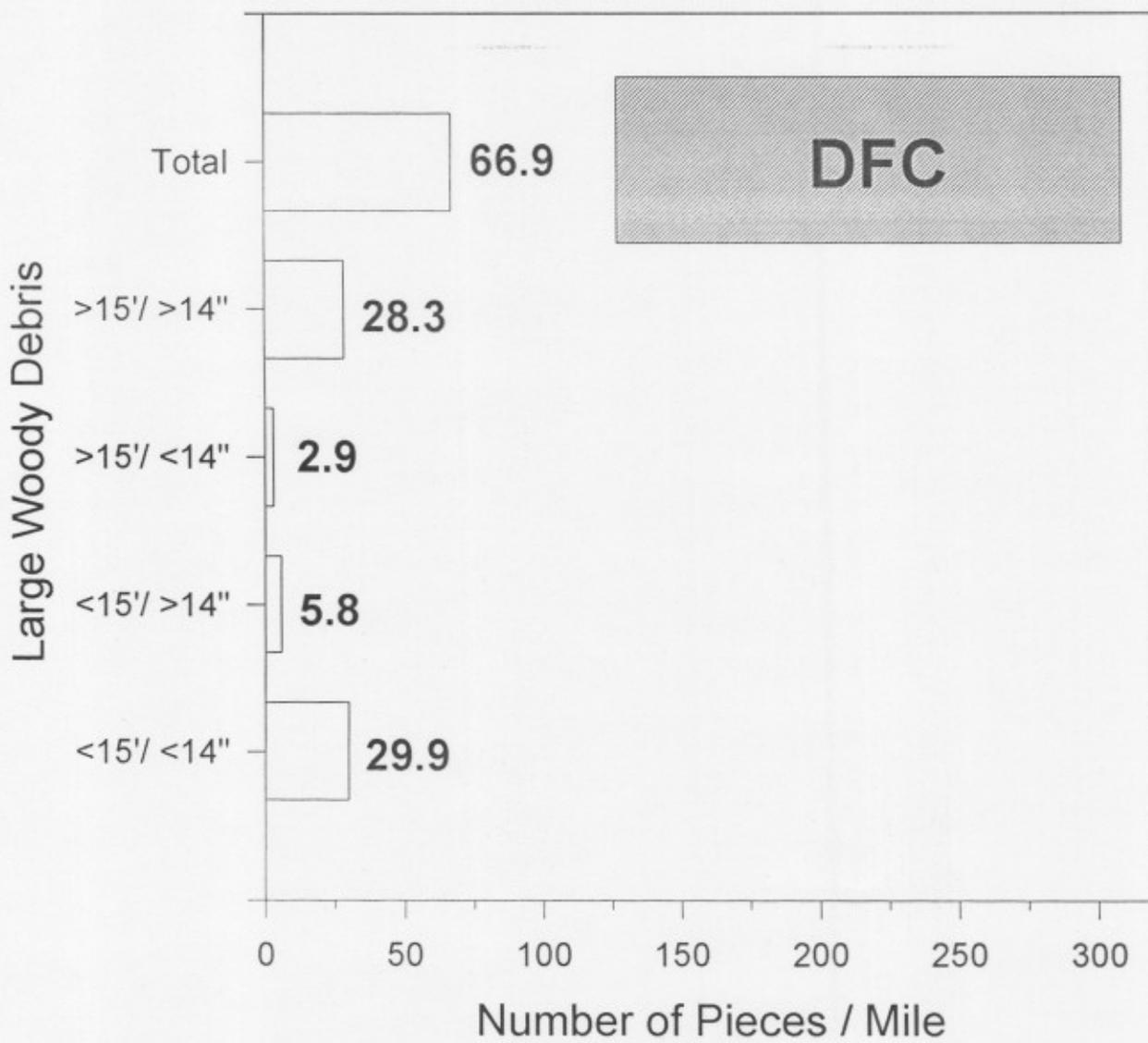
Minimum Riparian Width (Total): 28.1'

Love Lady Creek

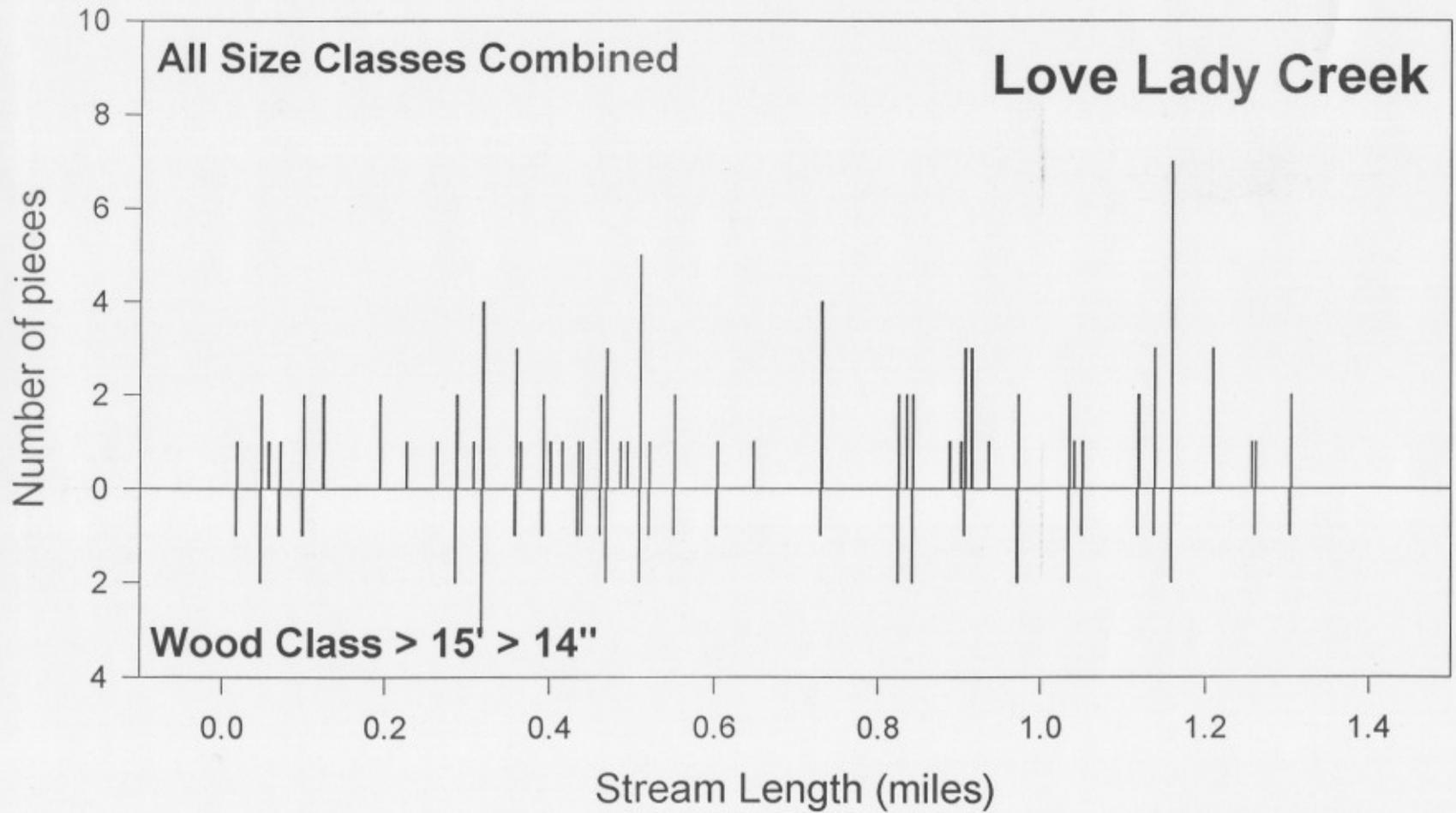
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Love Lady Creek



Large Woody Debris Distribution



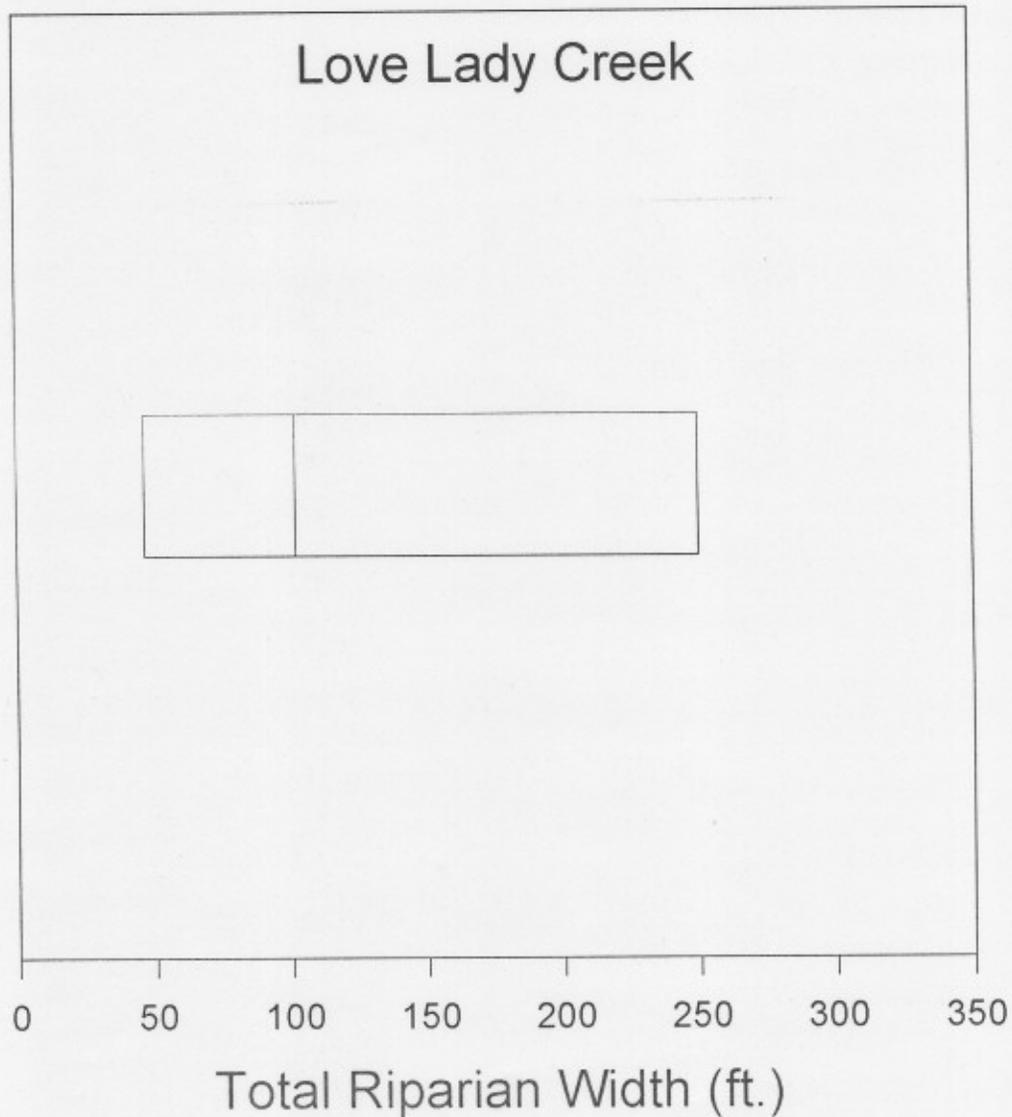
Riparian Width

Stream: Love Lady Creek

Number of measurements: 3

Mean width: 143.1 Std Dev: 140.2

Max: 299.3 Min: 28.1



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Maple Creek

District: Pedlar

Quadrangle: Big Island

Sample Date: 8/17/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 0.48 miles

Percent of Total Area - Pools: 63.1%

Number of Pools: 53

Number of Pools per mile: 110

Total Pool Area: 9335.24 sq. ft. \pm 2352.40

Mean Pool Area: 176.14 sq. ft.

Correction Factor: 1.03

Mean Maximum Depth: 0.9'

Mean Average Depth: 0.6'

Percent of Total Area - Riffles: 36.9%

Number of Riffles: 42

Number of Riffles per mile: 88

Total Riffle Area: 5453.38 sq. ft. \pm 11492.46

Mean Riffle Area: 129.84 sq. ft.

Correction Factor: 1.01

Mean Maximum Depth: 0.3'

Mean Average Depth: 0.2'

Number of Large Woody Debris Pieces per Mile: 231.3

Wood < 15' and < 14": 200.0

Wood < 15' and > 14": 0.0

Wood > 15' and < 14": 2.1

Wood > 15' and > 14": 29.2

Mean Channel Width: 9.8'

Mean Riparian Width: 84.9'

Mean Maximum Riparian Distance (either side): 48.2'

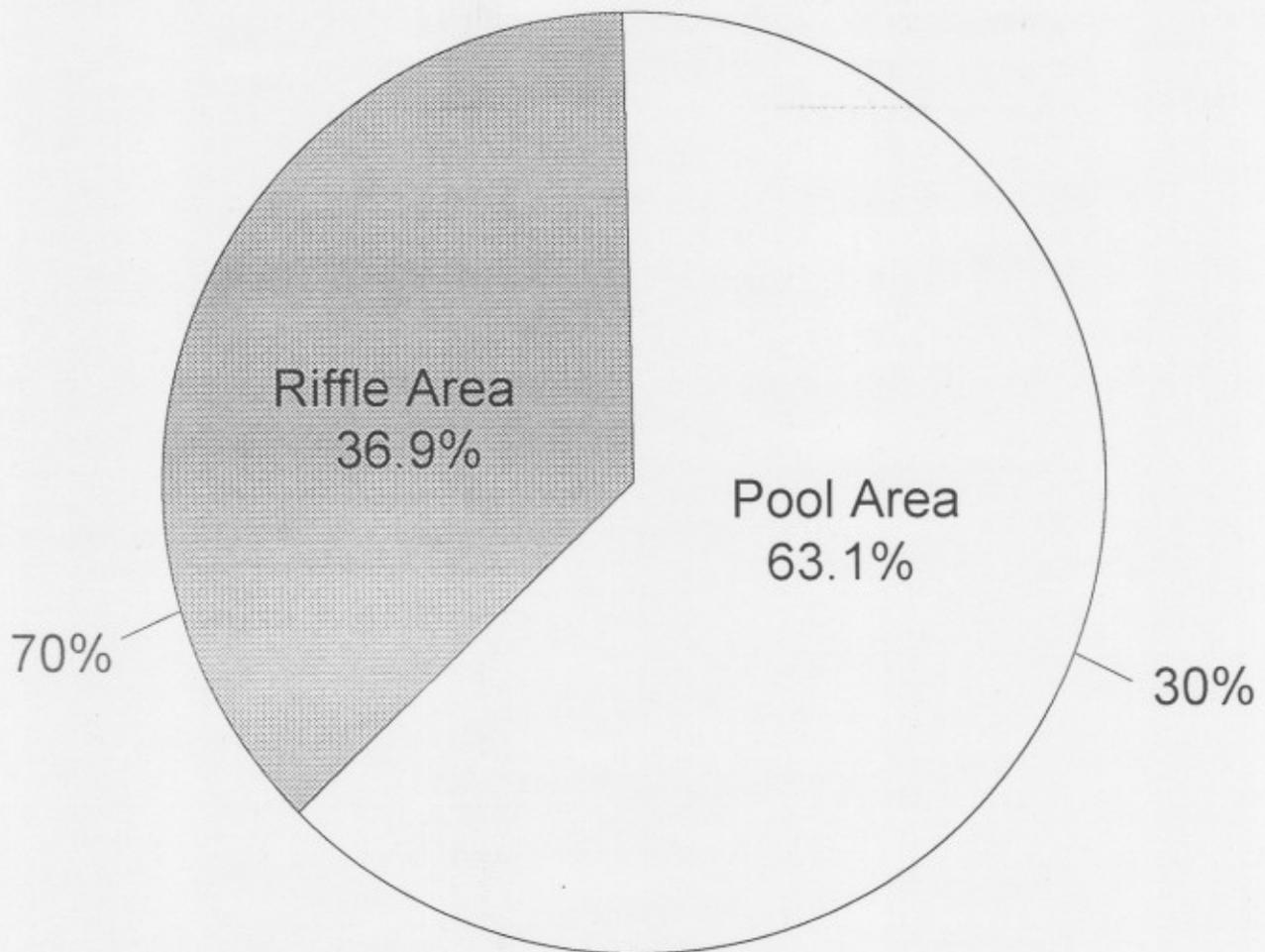
Mean Minimum Riparian Distance (either side): 26.9'

Maximum Riparian Width (Total): 90.6'

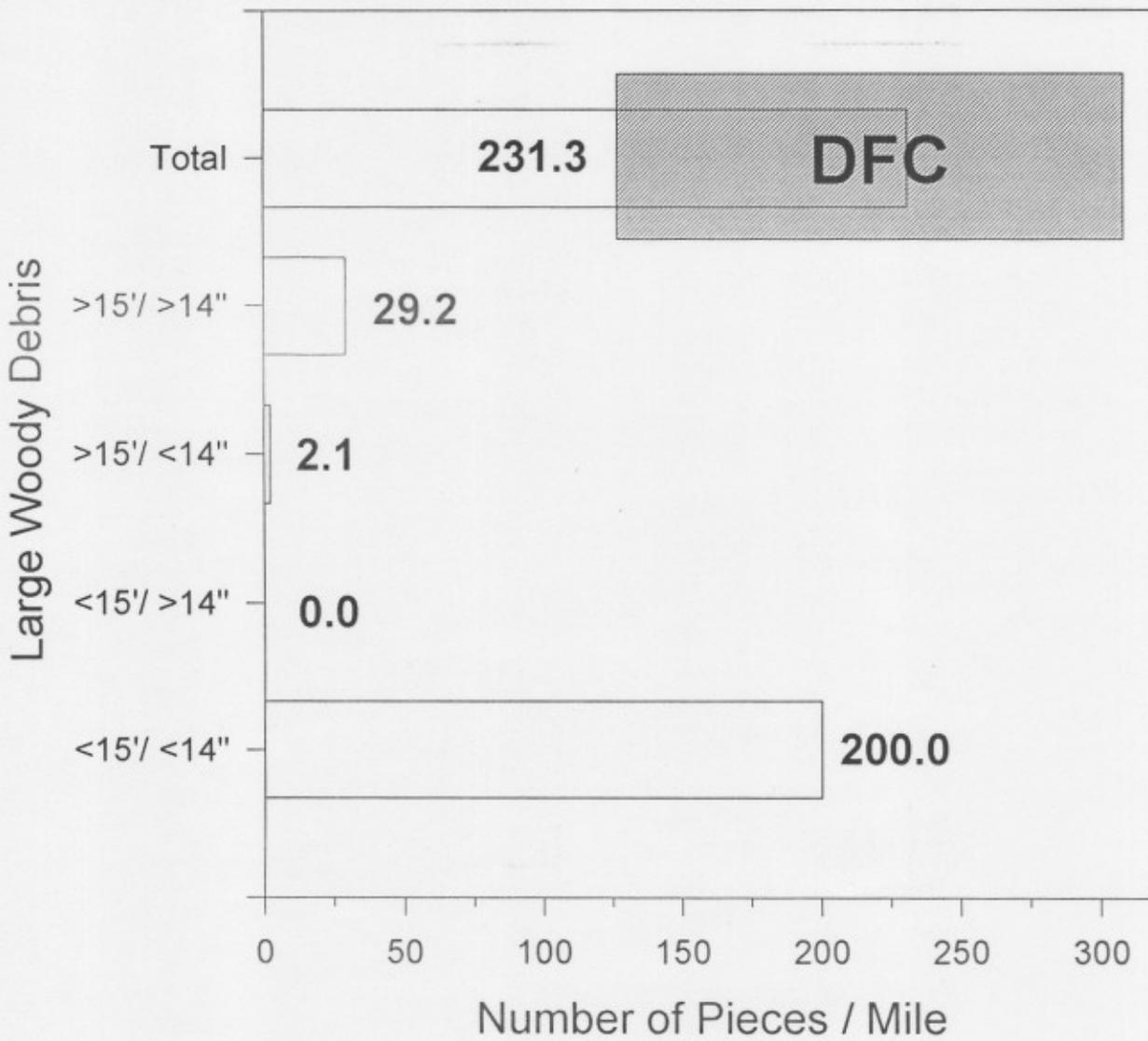
Minimum Riparian Width (Total): 79.1'

Maple Creek

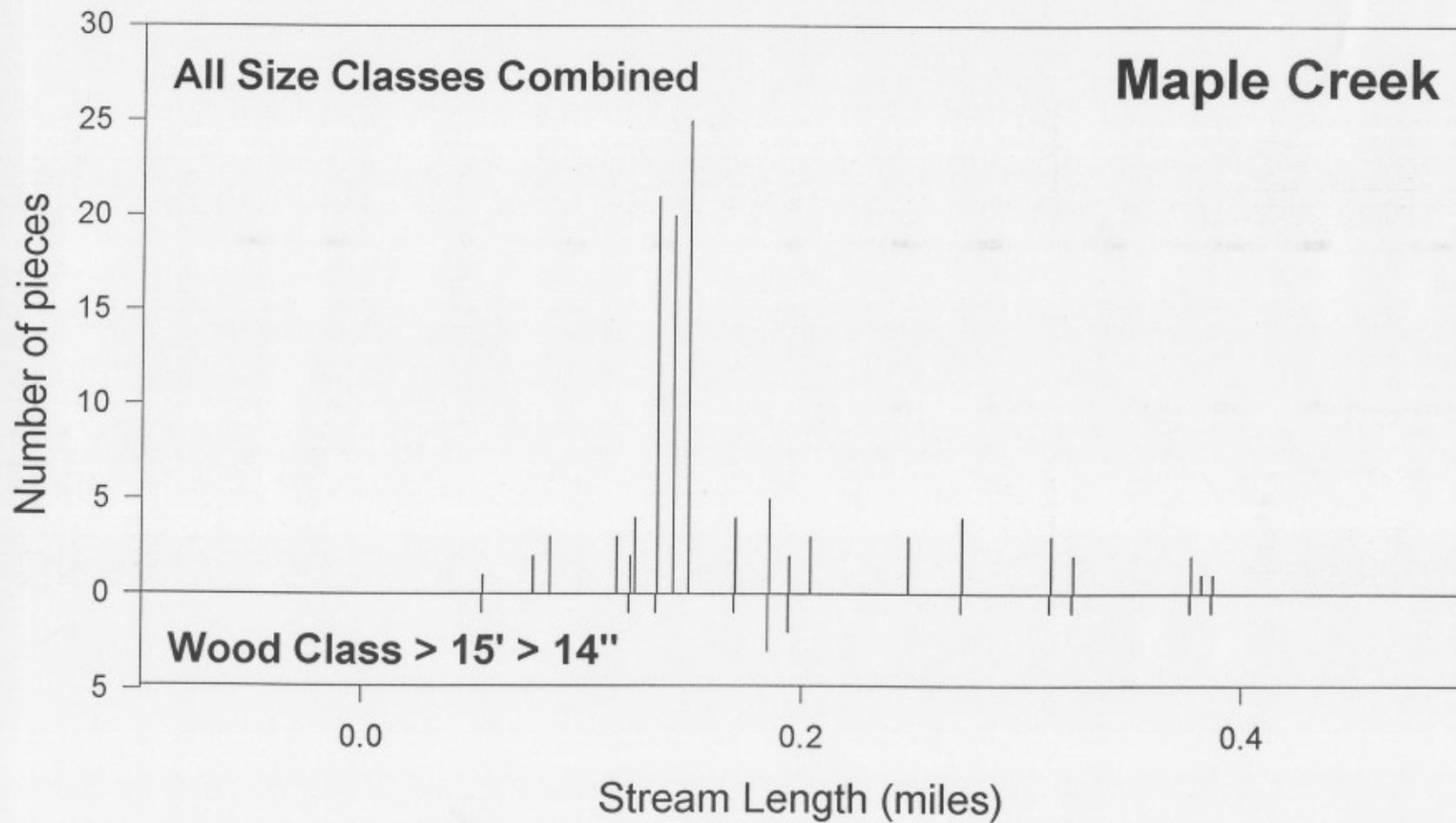
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Maple Creek



Large Woody Debris Distribution



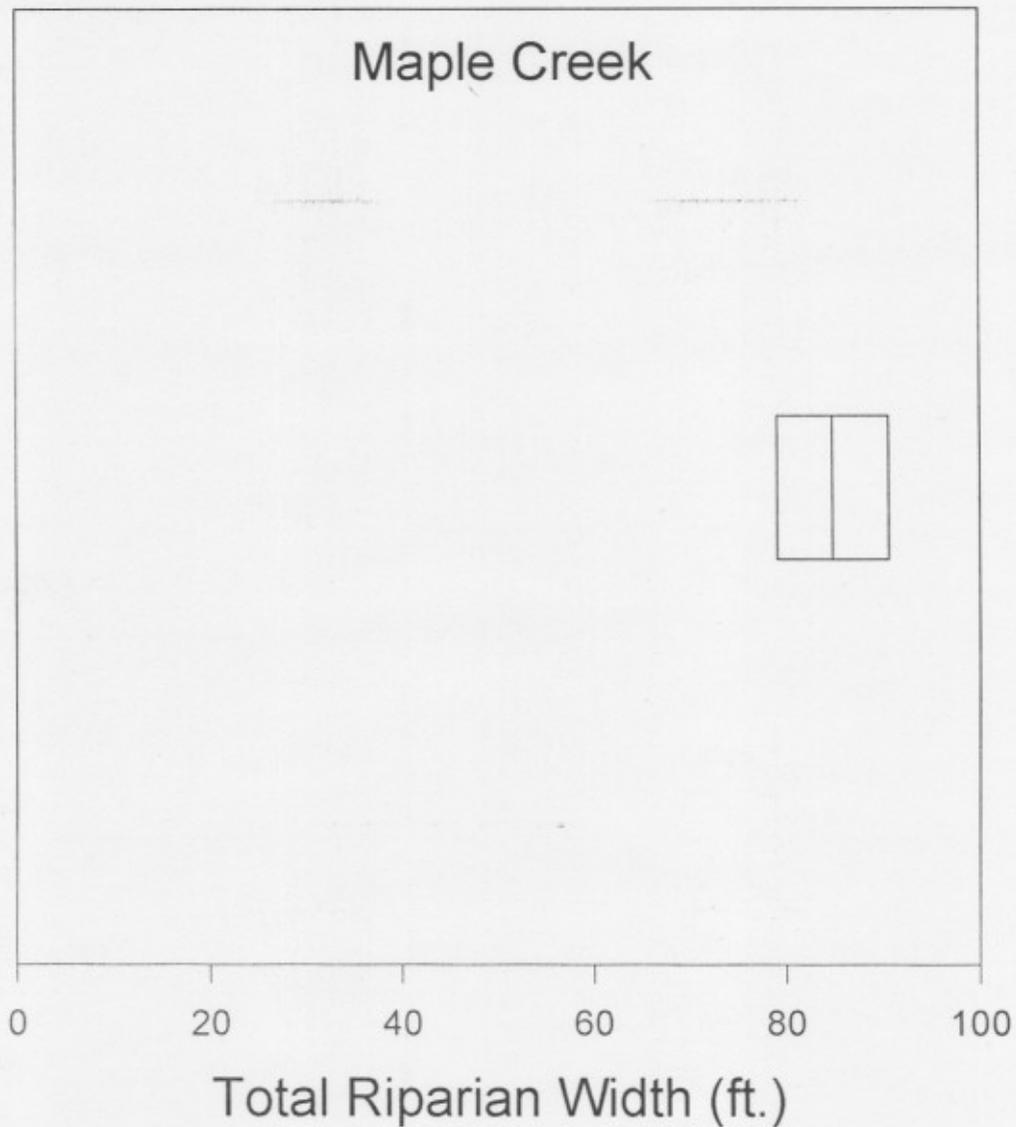
Riparian Width

Stream: Maple Creek

Number of measurements: 2

Mean width: 84.9 Std Dev: 8.1

Max: 90.6 Min: 79.1



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Otter Creek Tributary

District: Pedlar

Quadrangle: Big Island

Sample Date: 8/3/95

Downstream Starting Point: confluence with Otter Creek

Total Distance Surveyed: 1.1 miles

Percent of Total Area - Pools: 38.3%

Number of Pools: 121

Number of Pools per mile: 110

Total Pool Area: 18346.29 sq. ft. \pm 3031.789

Mean Pool Area: 151.62 sq. ft.

Correction Factor: 0.92

Mean Maximum Depth: 1.0'

Mean Average Depth: 0.8'

Percent of Total Area - Riffles: 61.7%

Number of Riffles: 100

Number of Riffles per mile: 91

Total Riffle Area: 29511.16 sq. ft. \pm 3338.4534

Mean Riffle Area: 295.11 sq. ft.

Correction Factor: 1.05

Mean Maximum Depth: 0.7'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 36.4

Wood < 15' and < 14": 10.0

Wood < 15' and > 14": 0.9

Wood > 15' and < 14": 20.9

Wood > 15' and > 14": 4.5

Mean Channel Width: 17.6'

Mean Riparian Width: 62.1'

Mean Maximum Riparian Distance (either side): 31.1'

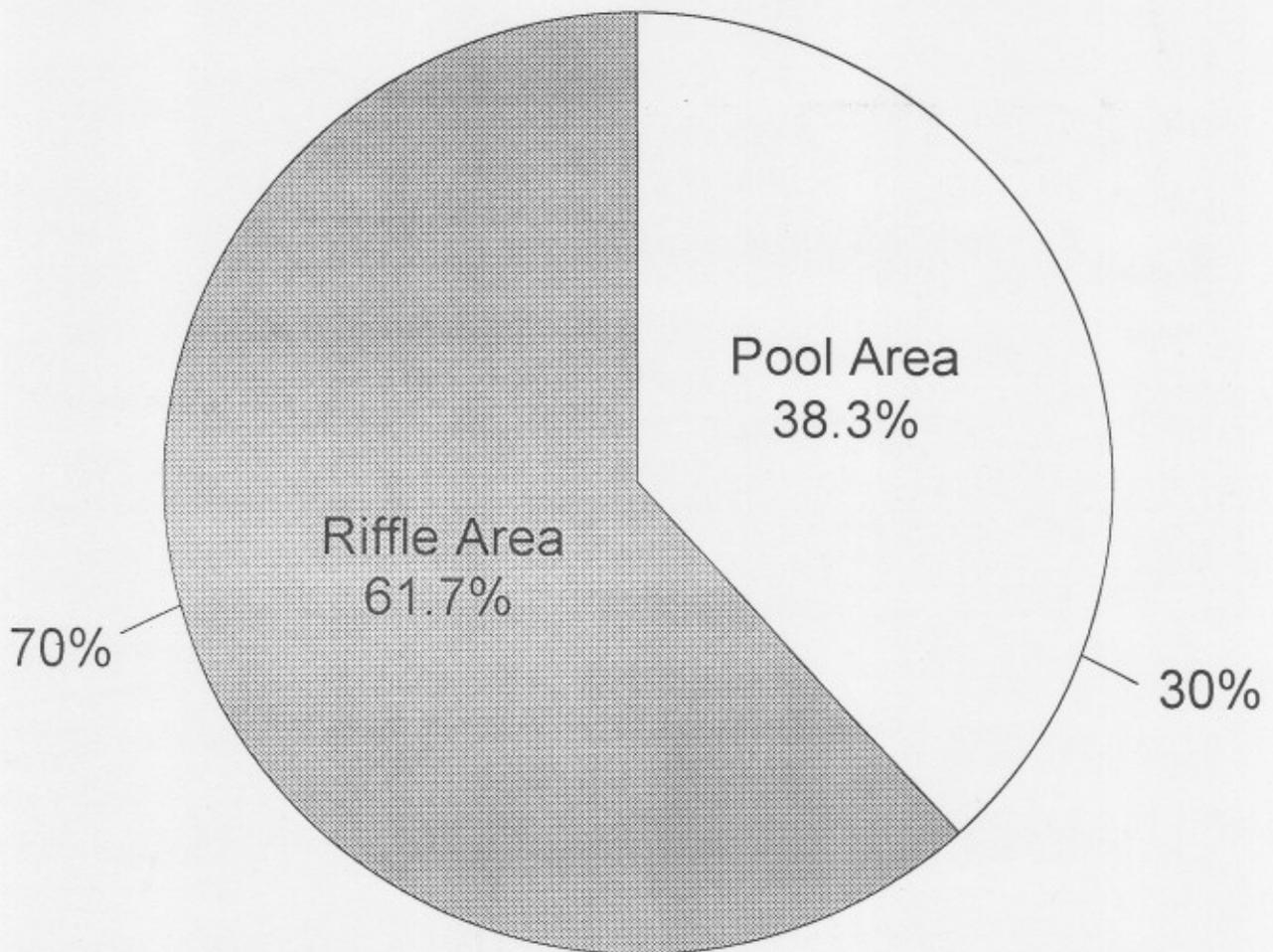
Mean Minimum Riparian Distance (either side): 13.4'

Maximum Riparian Width (Total): 141.2'

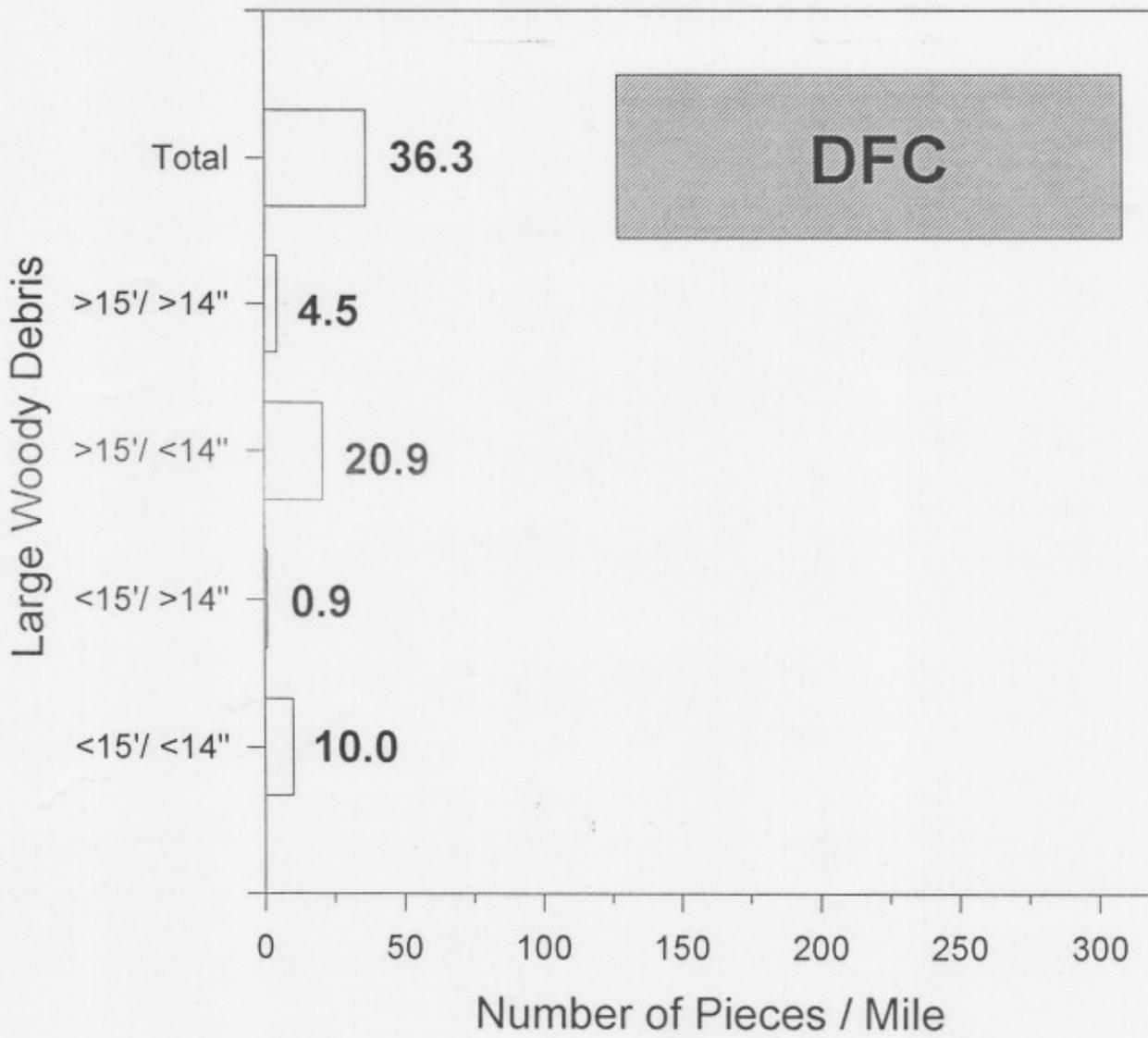
Minimum Riparian Width (Total): 29.3'

Otter Creek Tributary

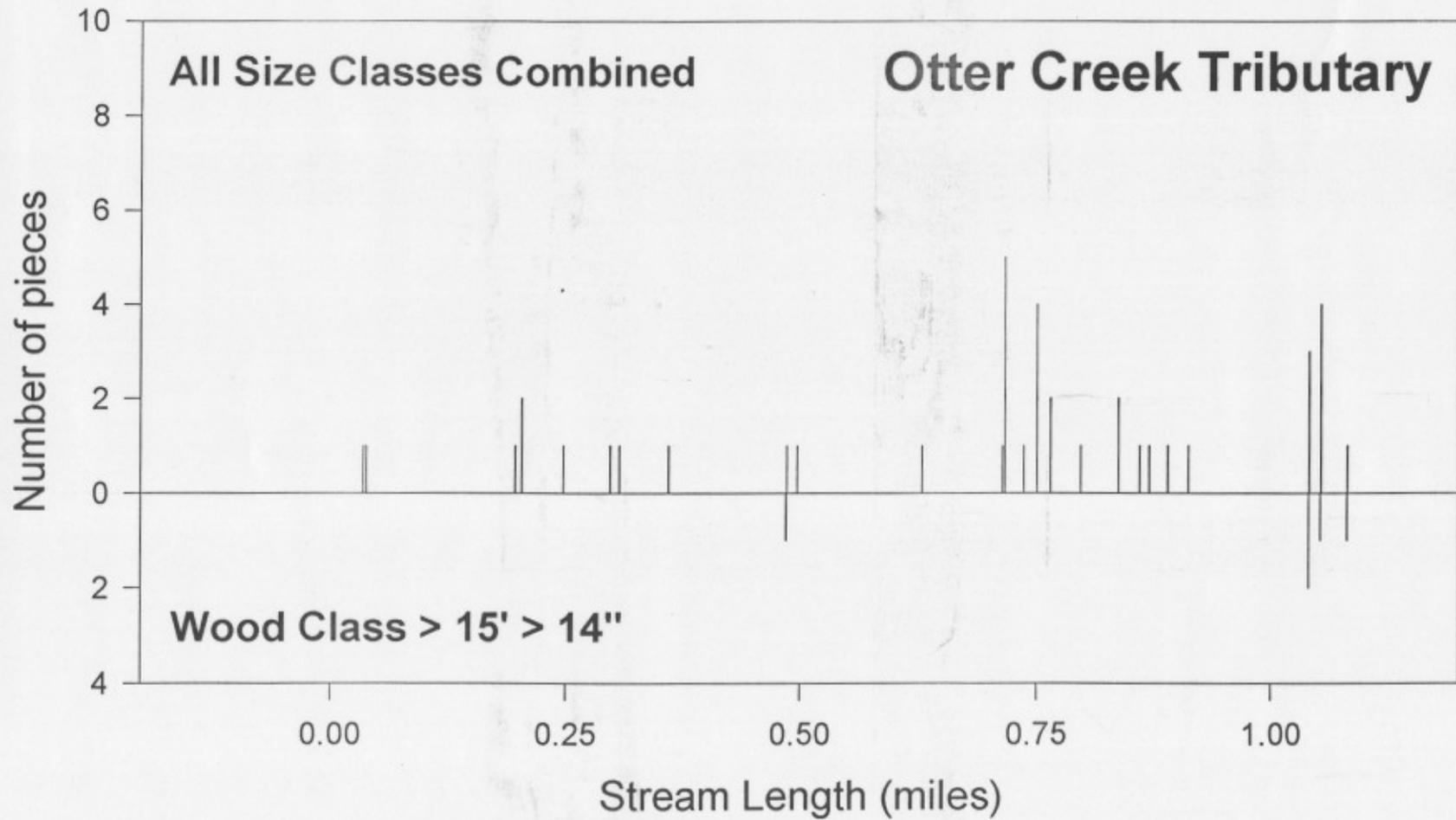
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Otter Creek Tributary



Large Woody Debris Distribution



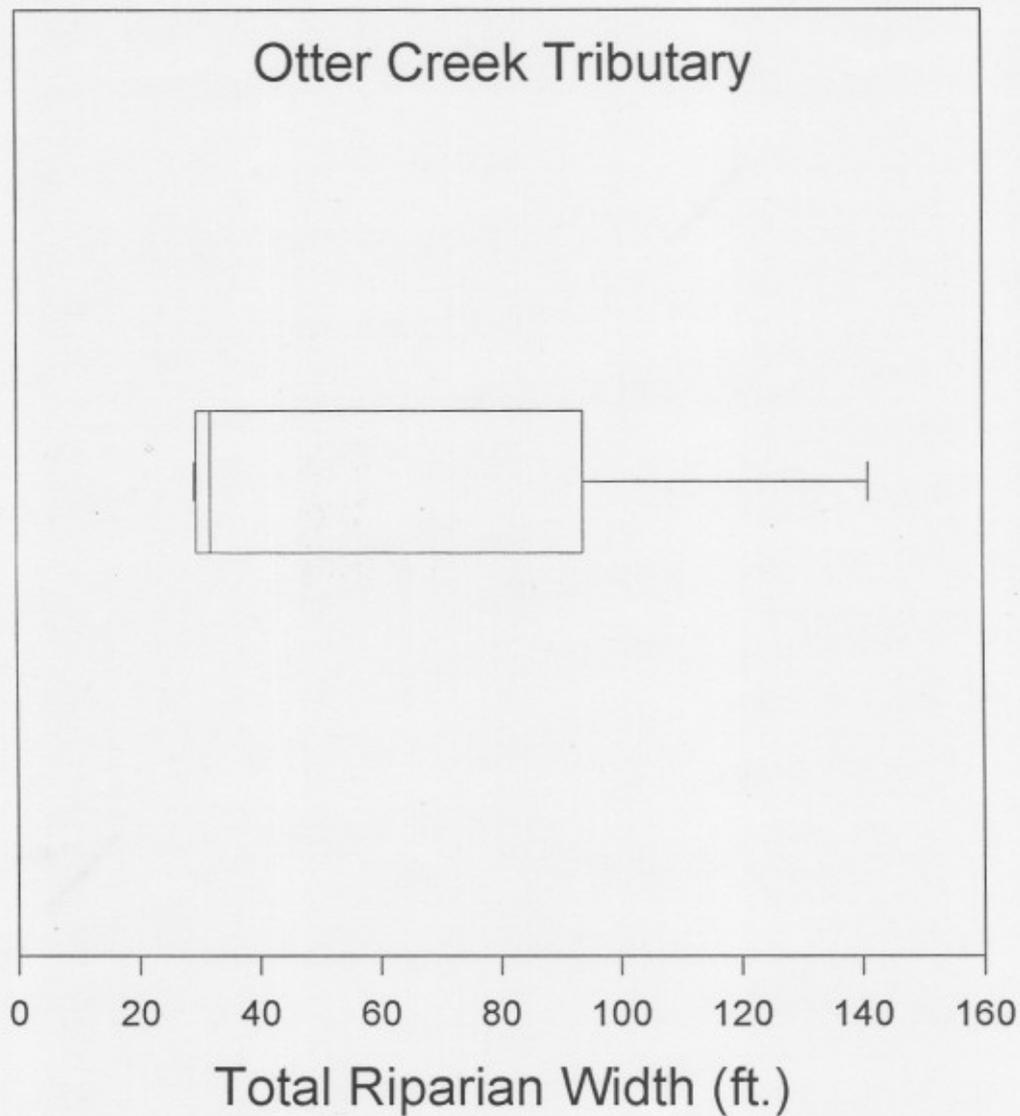
Riparian Width

Stream: Otter Creek Tributary

Number of measurements: 5

Mean width: 62.1 Std Dev: 48.9

Max: 141.2 Min: 29.3



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Terrapin Creek

District: Pedlar

Quadrangle: Big Island

Sample Date: 7/25/95

Downstream Starting Point: USFS Boundary

Total Distance Surveyed: 1.4 miles

Percent of Total Area - Pools: 50.7%

Number of Pools: 145

Number of Pools per mile: 104

Total Pool Area: 32520.71 sq. ft. \pm 2724.68

Mean Pool Area: 224.28 sq. ft.

Correction Factor: 0.99

Mean Maximum Depth: 1.0'

Mean Average Depth: 0.6'

Percent of Total Area - Riffles: 49.3%

Number of Riffles: 122

Number of Riffles per mile: 87

Total Riffle Area: 31588.93 sq. ft. \pm 1234.95

Mean Riffle Area: 258.93 sq. ft.

Correction Factor: 0.95

Mean Maximum Depth: 0.5'

Mean Average Depth: 0.3'

Number of Large Woody Debris Pieces per Mile: 75.7

Wood < 15' and < 14": 20.0

Wood < 15' and > 14": 1.4

Wood > 15' and < 14": 43.6

Wood > 15' and > 14": 10.7

Mean Channel Width: 15.2'

Mean Riparian Width: 70.7'

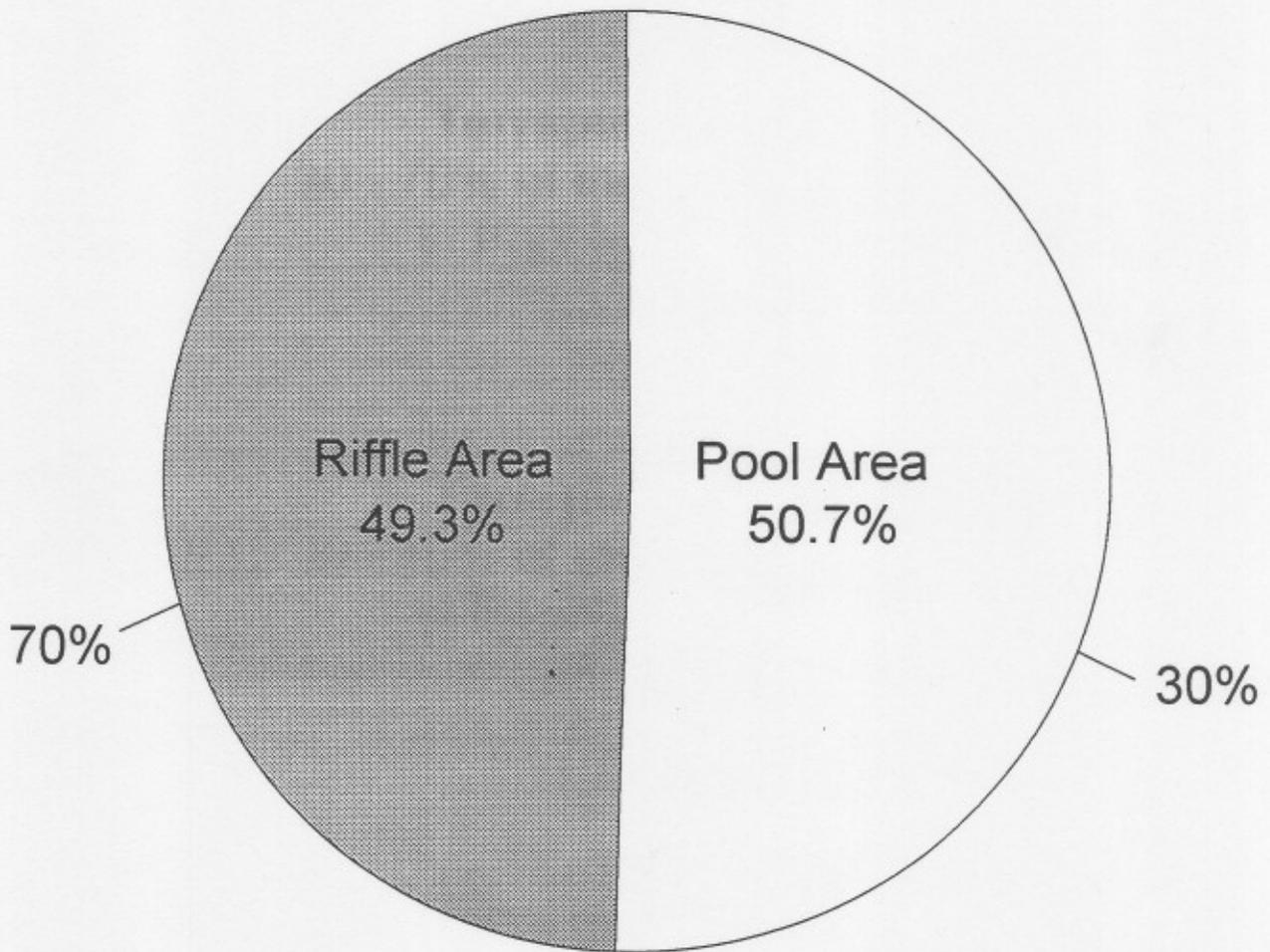
Mean Maximum Riparian Distance (either side): 37.6'

Mean Minimum Riparian Distance (either side): 18.5'

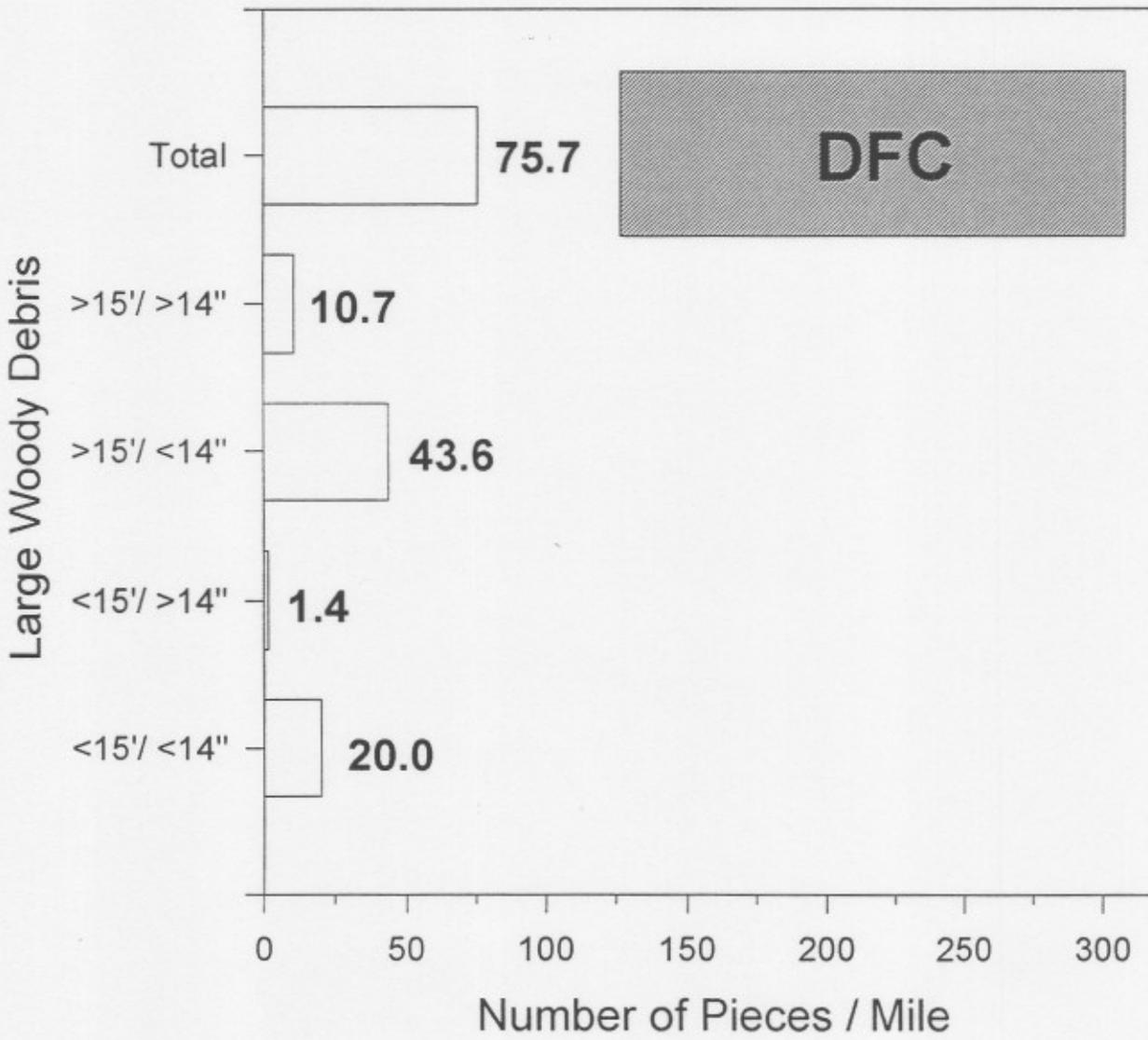
Maximum Riparian Width (Total): 151.0'

Minimum Riparian Width (Total): 30.5'

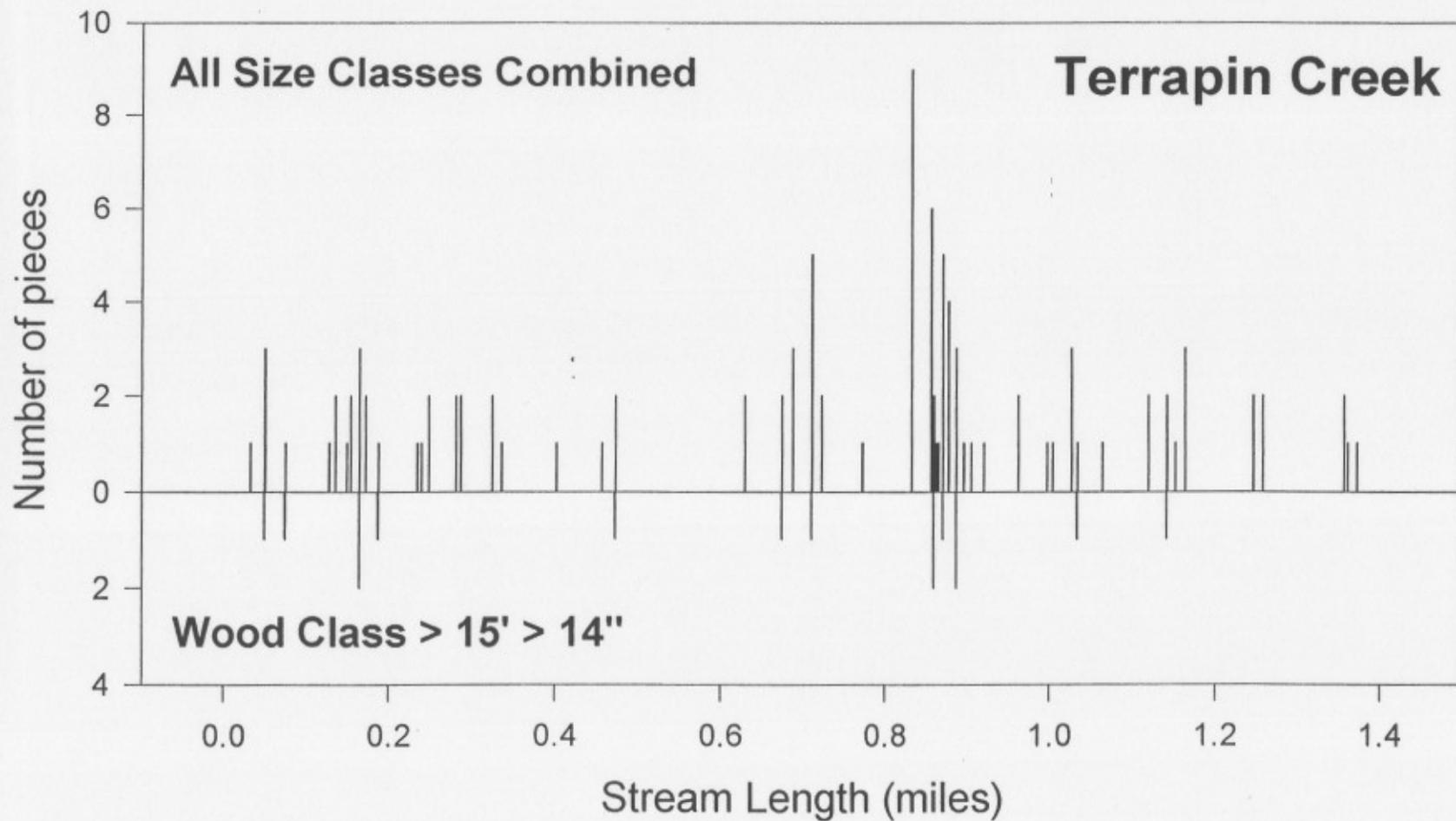
Terrapin Creek
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Terrapin Creek



Large Woody Debris Distribution



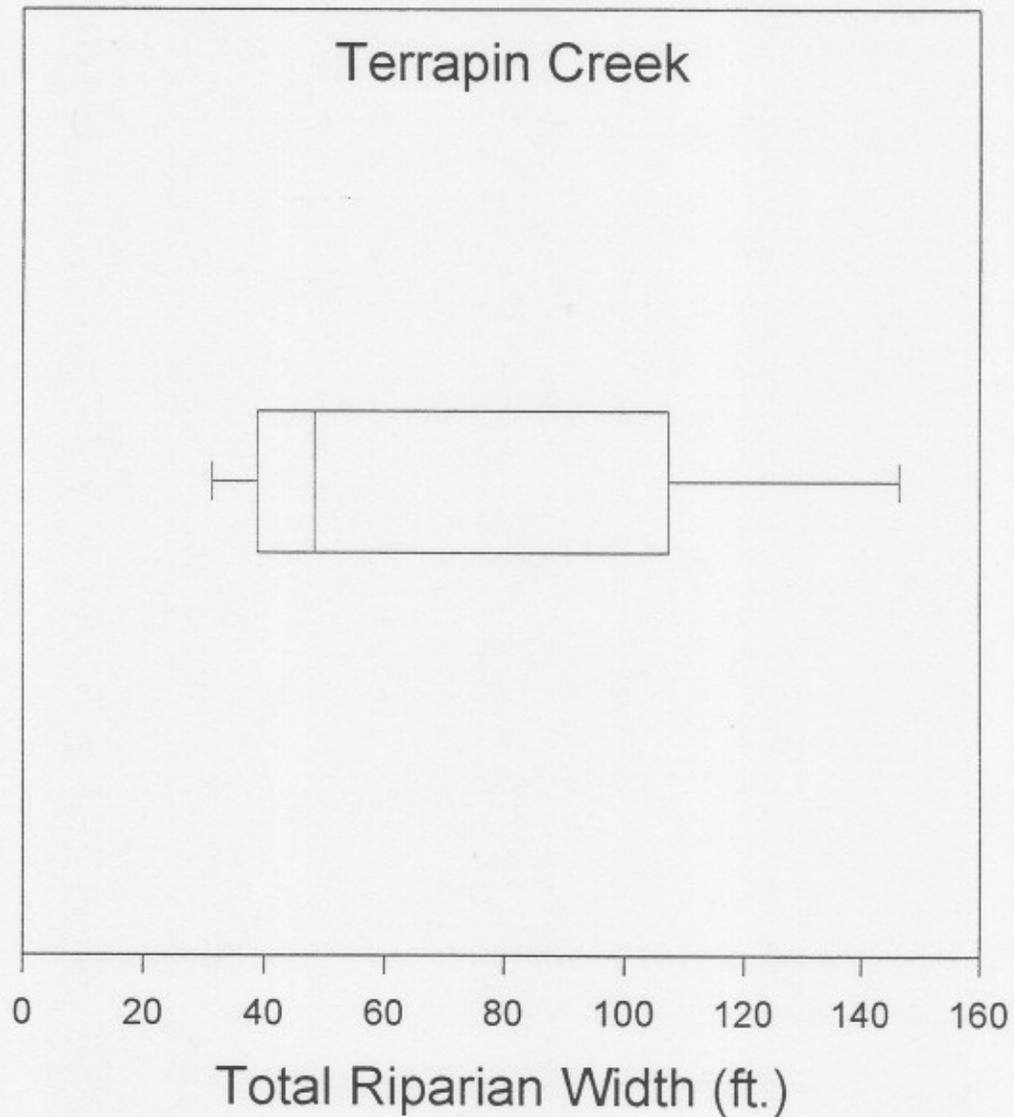
Riparian Width

Stream: Terrapin Creek

Number of measurements: 6

Mean width: 70.7 Std Dev: 47.8

Max: 151.0 Min: 30.5



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Big Levels Quadrangle

Stream: Chimney Branch

District: Pedlar

Quadrangle: Big Levels

Sample Date: 7/11/89

Downstream Starting Point: confl. with St. Marys Creek

Total Distance Surveyed: 0.33 miles

Percent of Total Area - Pools: 37.1%

Number of Pools: 41

Number of Pools per mile: 124

Total Pool Area: 1172.86 ± 102.46 sq. ft.

Mean Pool Area: 28.6 sq. ft.

Correction Factor: 0.91

Mean Maximum Depth: 1.0'

Mean Average Depth: 0.7'

Percent of Total Area - Riffles: 62.9%

Number of Riffles: 37

Number of Riffles per mile: 112

Total Riffle Area: 1986.93 ± 4081.17 sq. ft.

Mean Riffle Area: 53.7 sq. ft.

Correction Factor: 0.72

Mean Maximum Depth: 0.5'

Mean Average Depth: 0.3'

Number of Large Woody Debris Pieces per Mile: 69.7

Wood < 15' and < 14": 51.5

Wood < 15' and > 14": 0.0

Wood > 15' and < 14": 18.2

Wood > 15' and > 14": 0.0

Mean Channel Width: Not Measured

Mean Riparian Width: Not Measured

Mean Maximum Riparian Distance : Not Measured

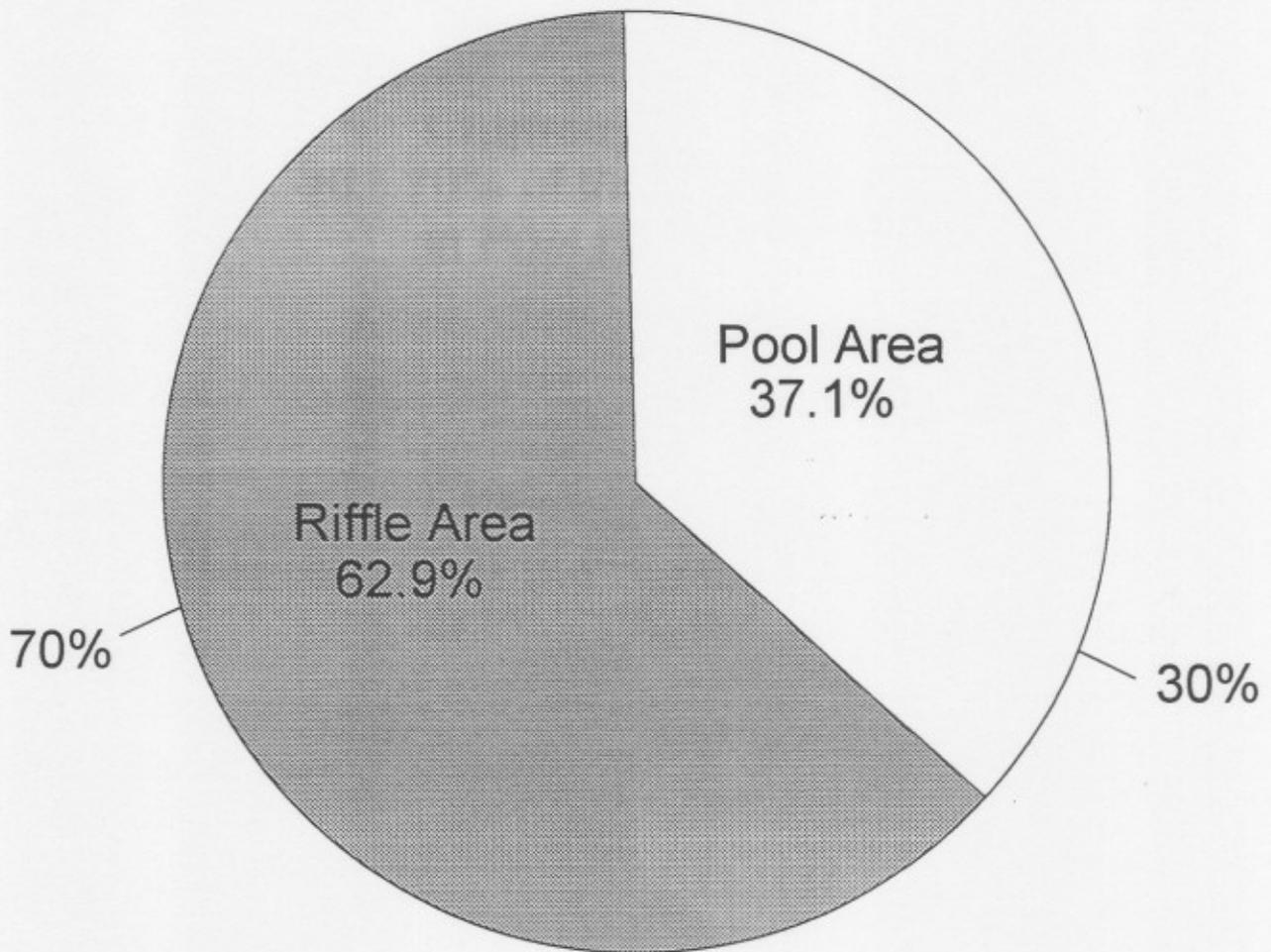
Mean Minimum Riparian Distance : Not Measured

Maximum Riparian Width (Total): Not Measured

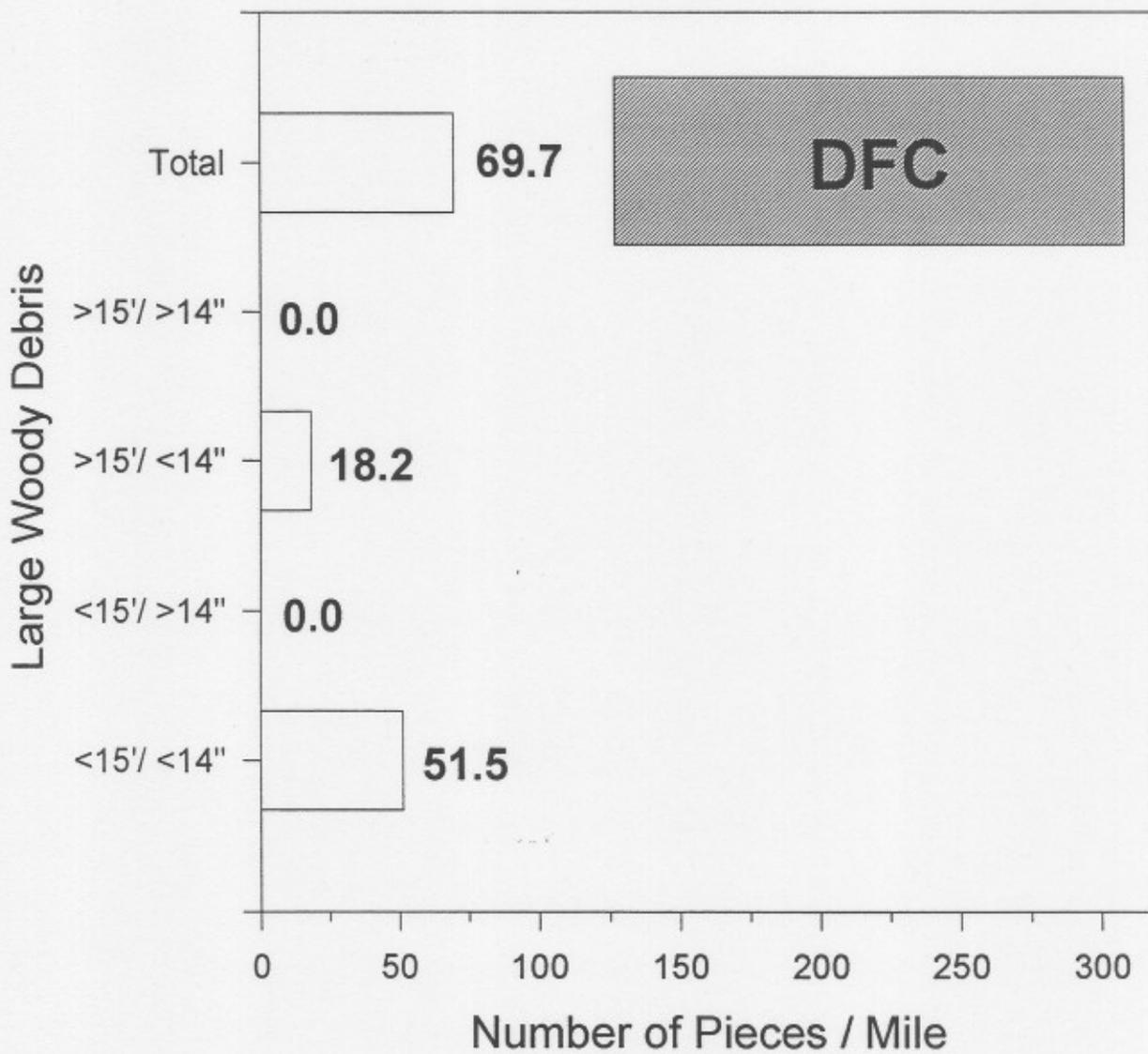
Minimum Riparian Width (Total): Not Measured

Chimney Branch

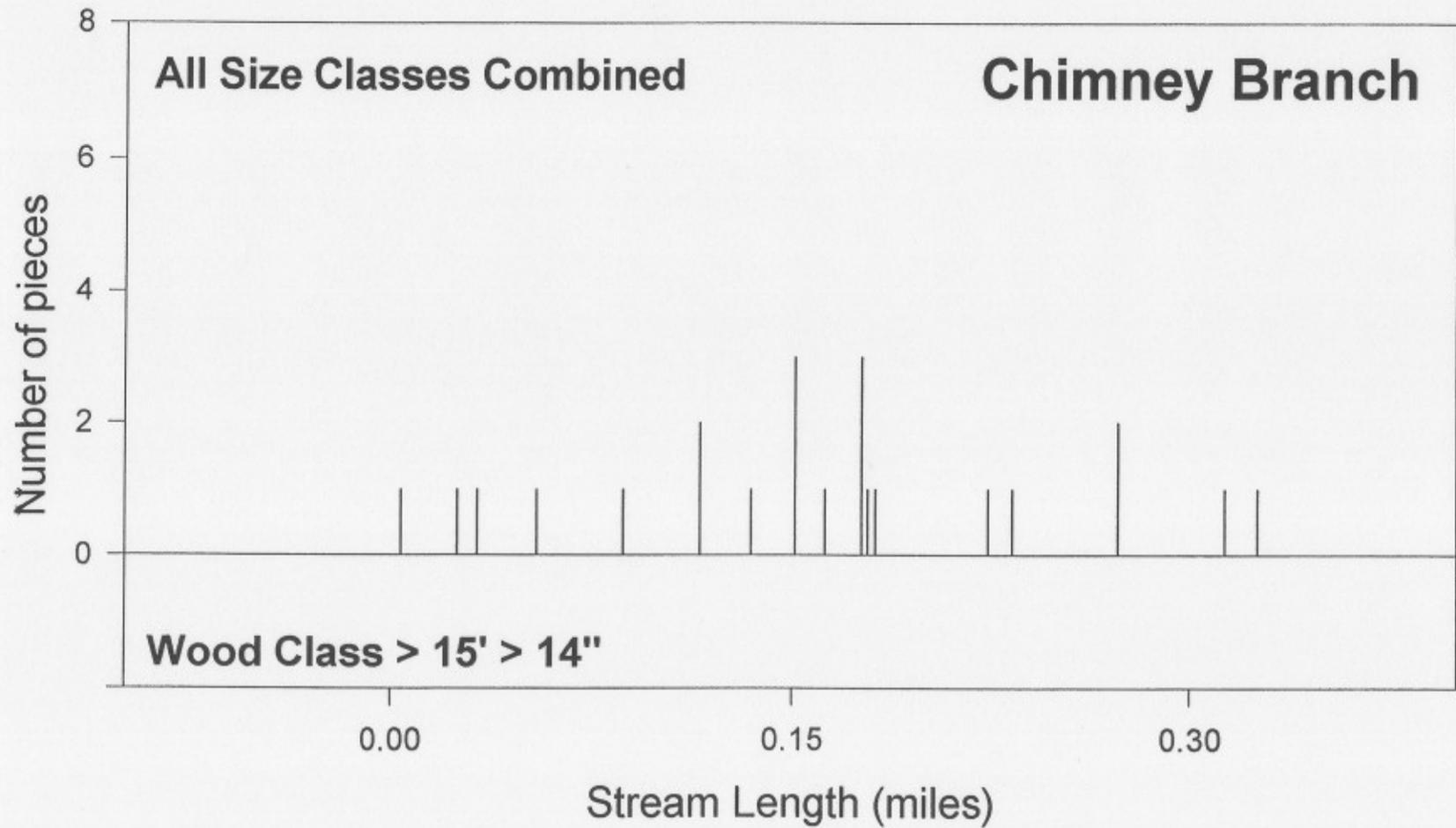
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Chimney Branch



Large Woody Debris Distribution



Stream: Coles Run

District: Pedlar

Quadrangle: Big Levels

Sample Date: 6/5/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 2.49 miles

Percent of Total Area - Pools: 28.9%

Number of Pools: 199

Number of Pools per mile: 80

Total Pool Area: 35980.75 sq. ft. \pm 2714.97

Mean Pool Area: 180.81 sq. ft.

Correction Factor: 1.02

Mean Maximum Depth: 1.4'

Mean Average Depth: 0.9'

Percent of Total Area - Riffles: 71.1%

Number of Riffles: 156

Number of Riffles per mile: 63

Total Riffle Area: 88557.80 sq. ft. \pm 11310.43

Mean Riffle Area: 567.68 sq. ft.

Correction Factor: 1.09

Mean Maximum Depth: 0.7'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 81.5

Wood < 15' and < 14": 70.3

Wood < 15' and > 14": 2.0

Wood > 15' and < 14": 8.8

Wood > 15' and > 14": 0.4

Mean Channel Width: 12.1'

Mean Riparian Width: 76.8'

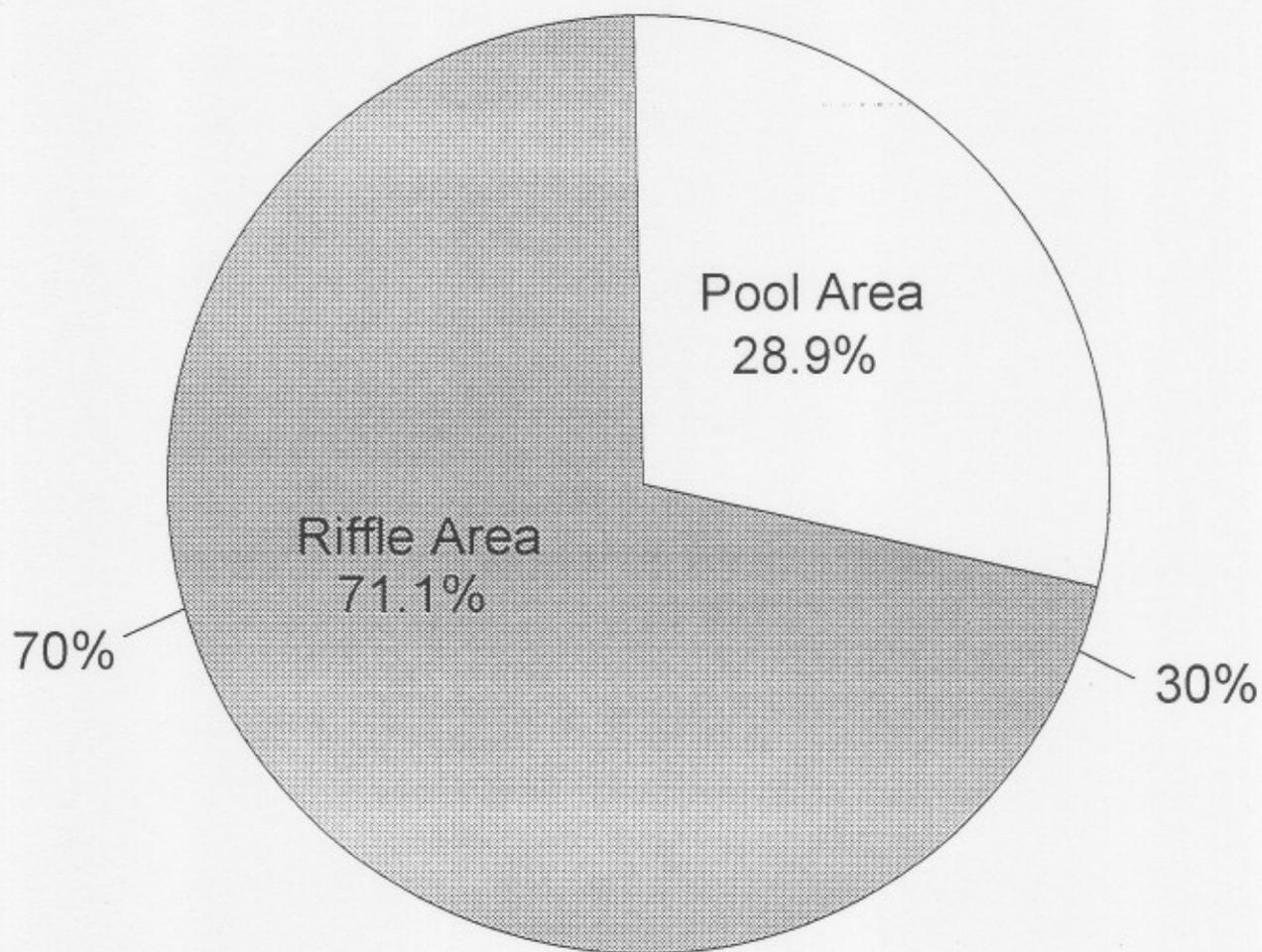
Mean Maximum Riparian Distance (either side): 47.3'

Mean Minimum Riparian Distance (either side): 17.4'

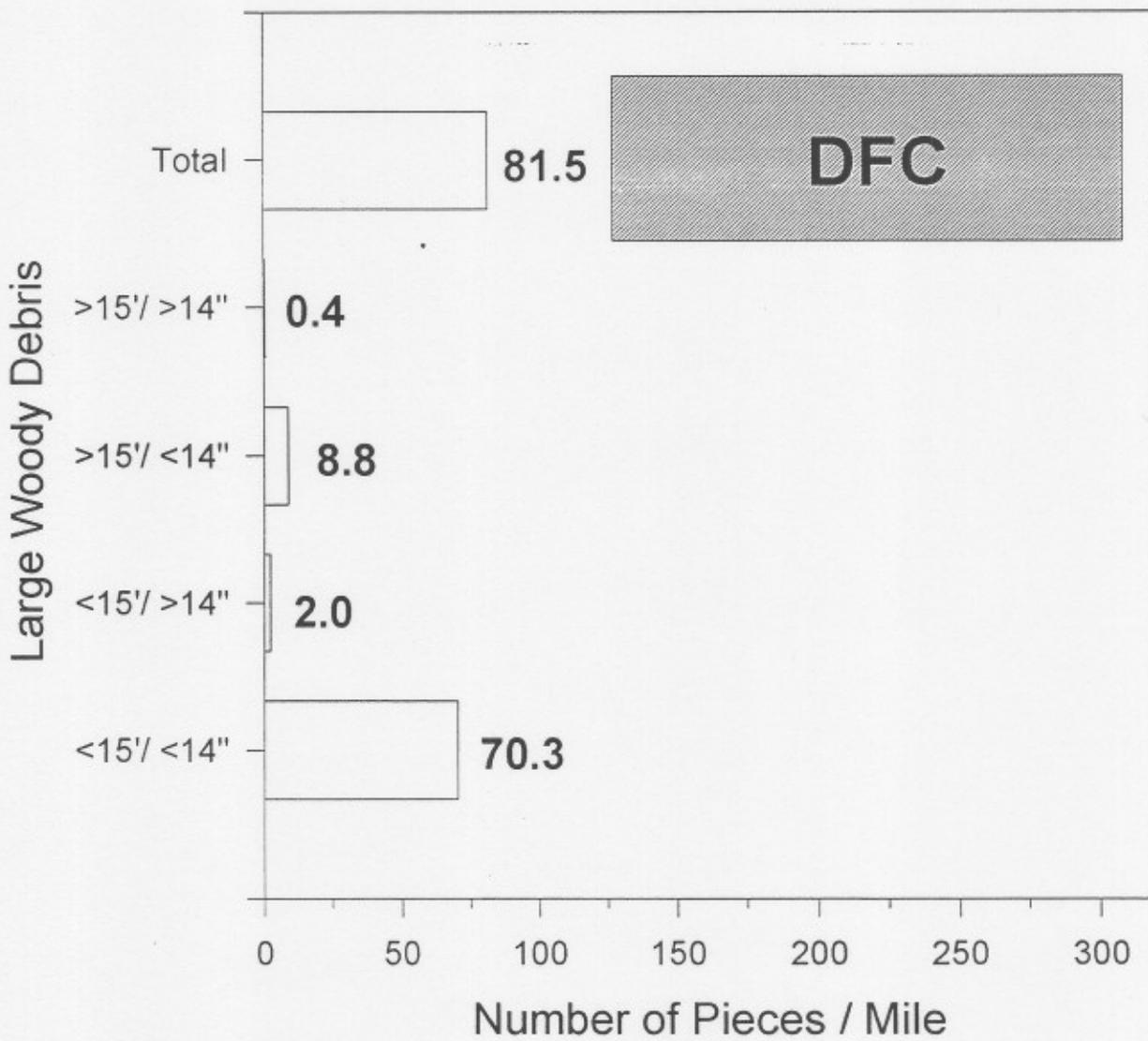
Maximum Riparian Width (Total): 162.7'

Minimum Riparian Width (Total): 25.9'

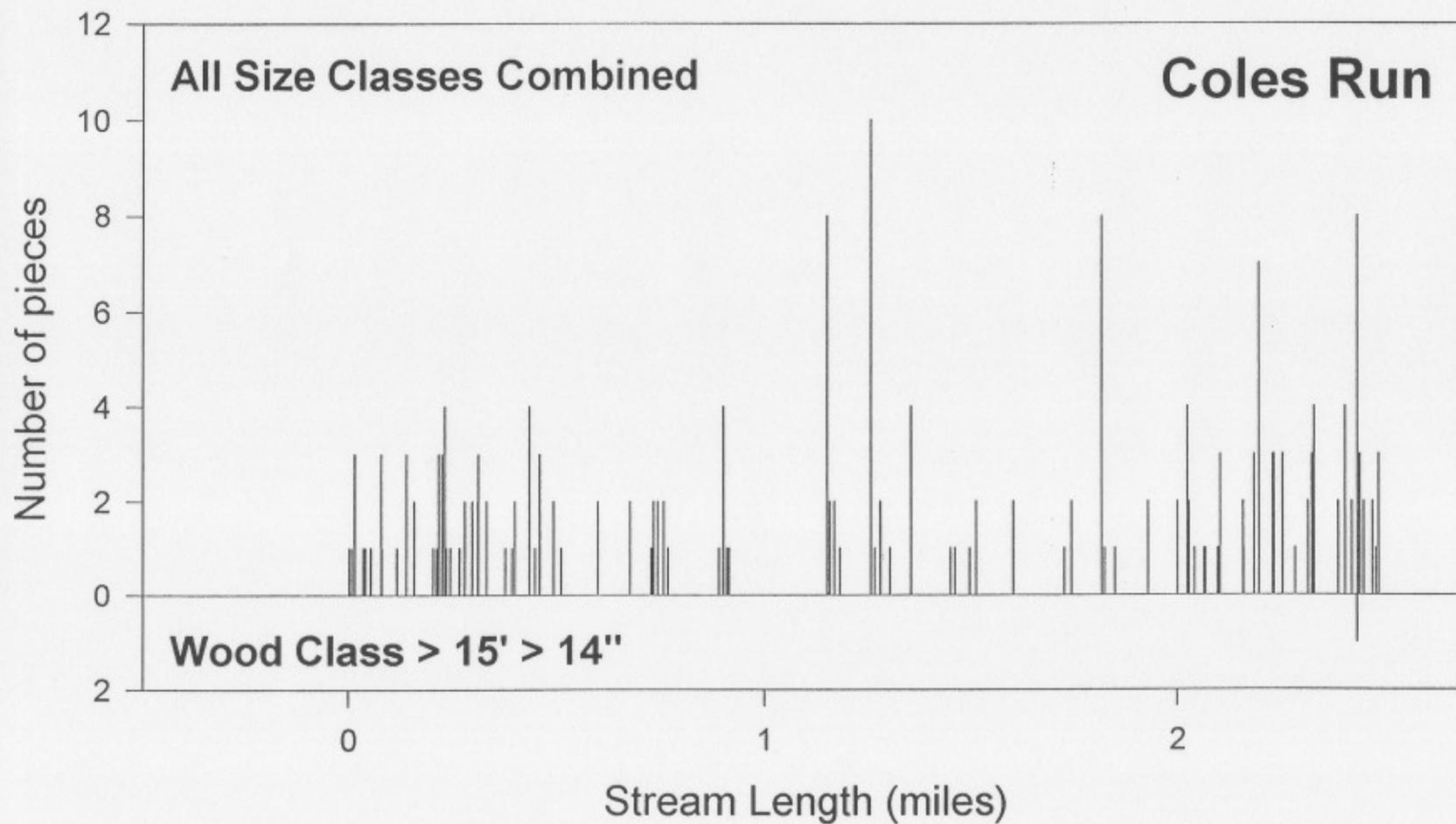
Coles Run
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Coles Run



Large Woody Debris Distribution



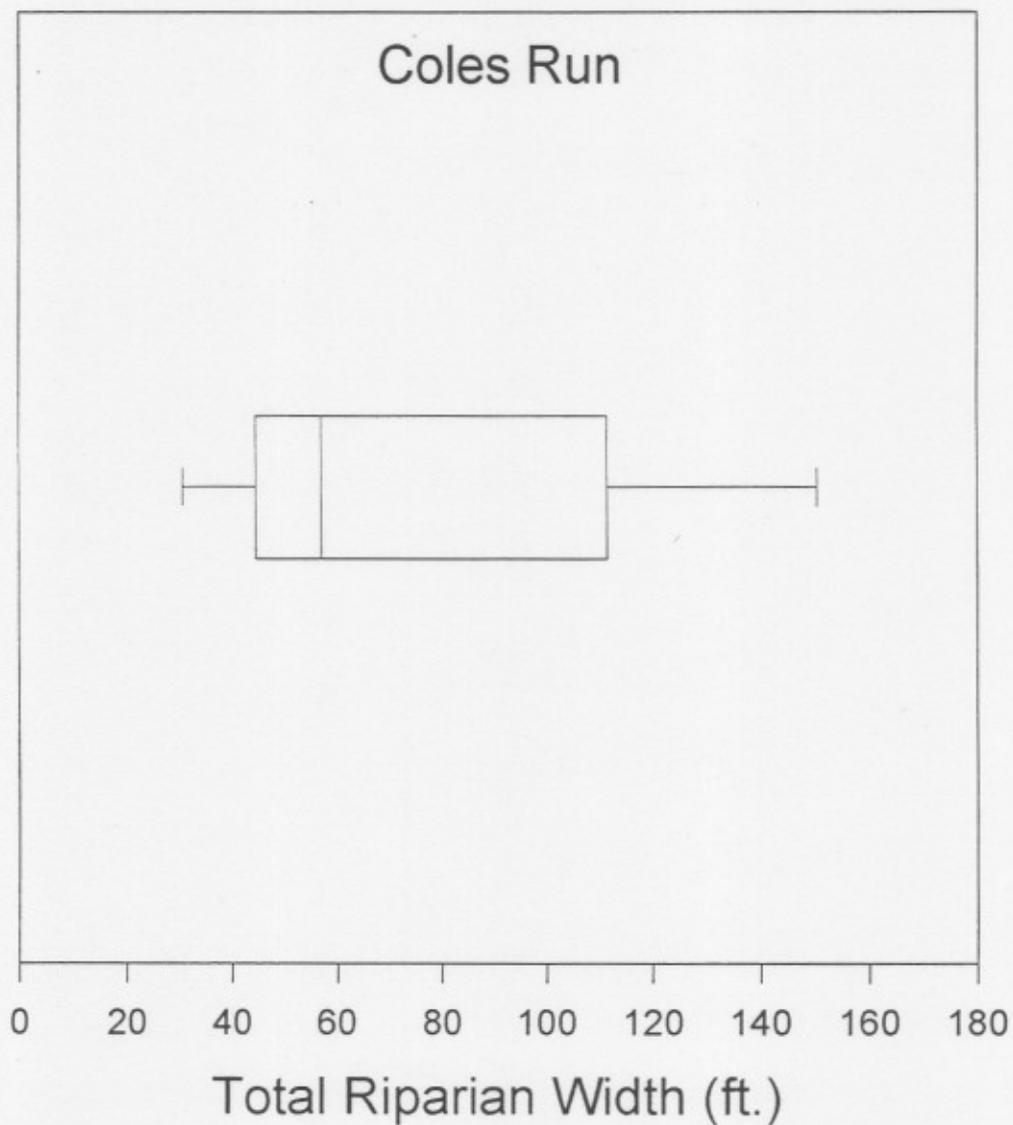
Riparian Width

Stream: Coles Run

Number of measurements: 8

Mean width: 76.8 Std Dev: 46.9

Max: 162.7 Min: 25.9



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Hogback Creek

District: Pedlar

Quadrangle: Big Levels

Sample Date: 7/9/89

Downstream Starting Point: confl. with St. Marys Creek

Total Distance Surveyed: 0.54 miles

Percent of Total Area - Pools: 42.0%

Number of Pools: 81

Number of Pools per mile: 150

Total Pool Area: 2676.64 ± 222.24 sq. ft.

Mean Pool Area: 33.0 sq. ft.

Correction Factor: 0.96

Mean Maximum Depth: 1.3'

Mean Average Depth: 0.9'

Percent of Total Area - Riffles: 58.0%

Number of Riffles: 79

Number of Riffles per mile: 146

Total Riffle Area: 3697.61 ± 238.16 sq. ft.

Mean Riffle Area: 46.8 sq. ft.

Correction Factor: 0.93

Mean Maximum Depth: 0.7'

Mean Average Depth: 0.3'

Number of Large Woody Debris Pieces per Mile: 140.8

Wood < 15' and < 14": 109.3

Wood < 15' and > 14": 7.4

Wood > 15' and < 14": 22.2

Wood > 15' and > 14": 1.9

Mean Channel Width: Not Measured

Mean Riparian Width: Not Measured

Mean Maximum Riparian Distance : Not Measured

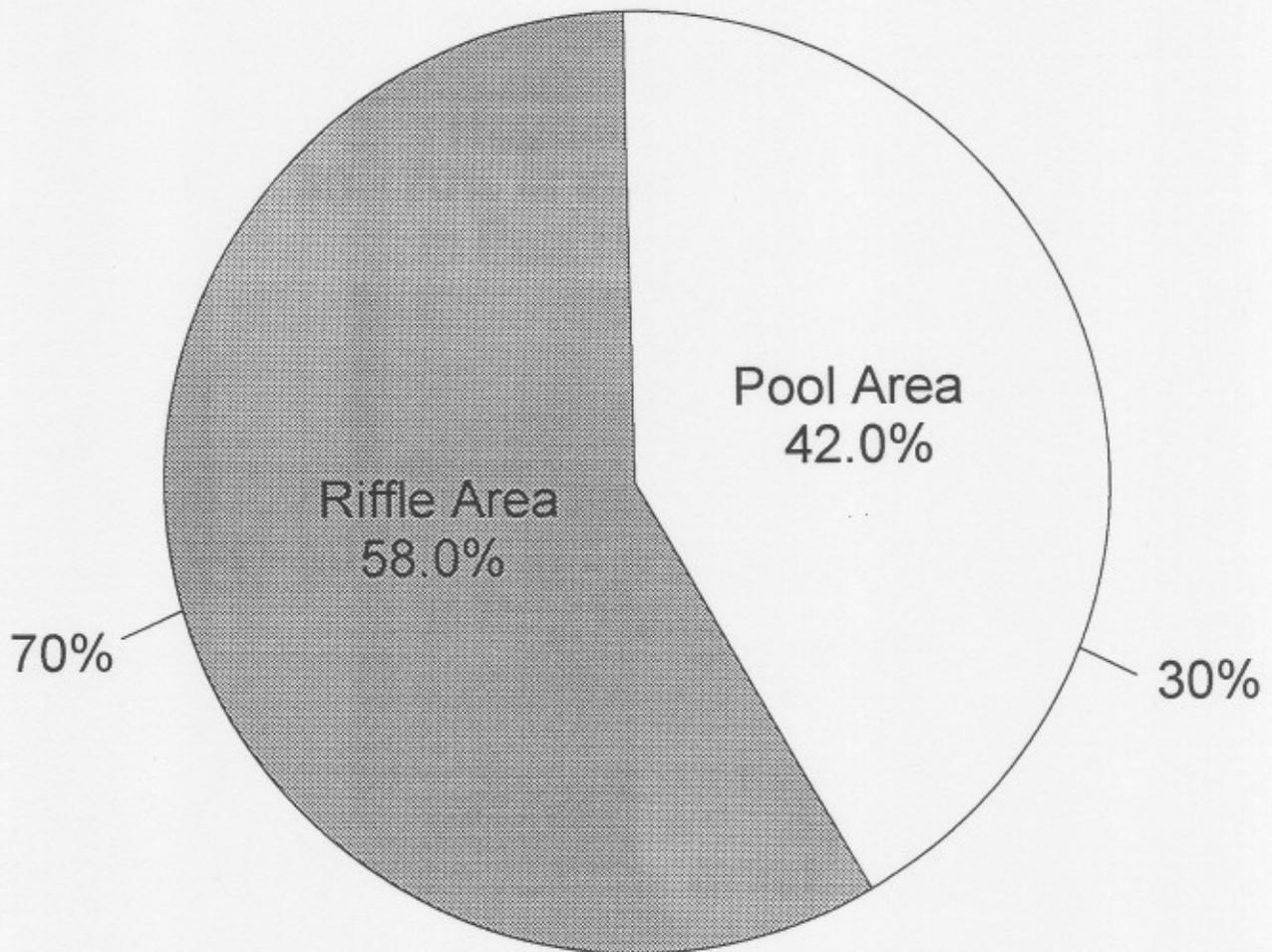
Mean Minimum Riparian Distance : Not Measured

Maximum Riparian Width (Total): Not Measured

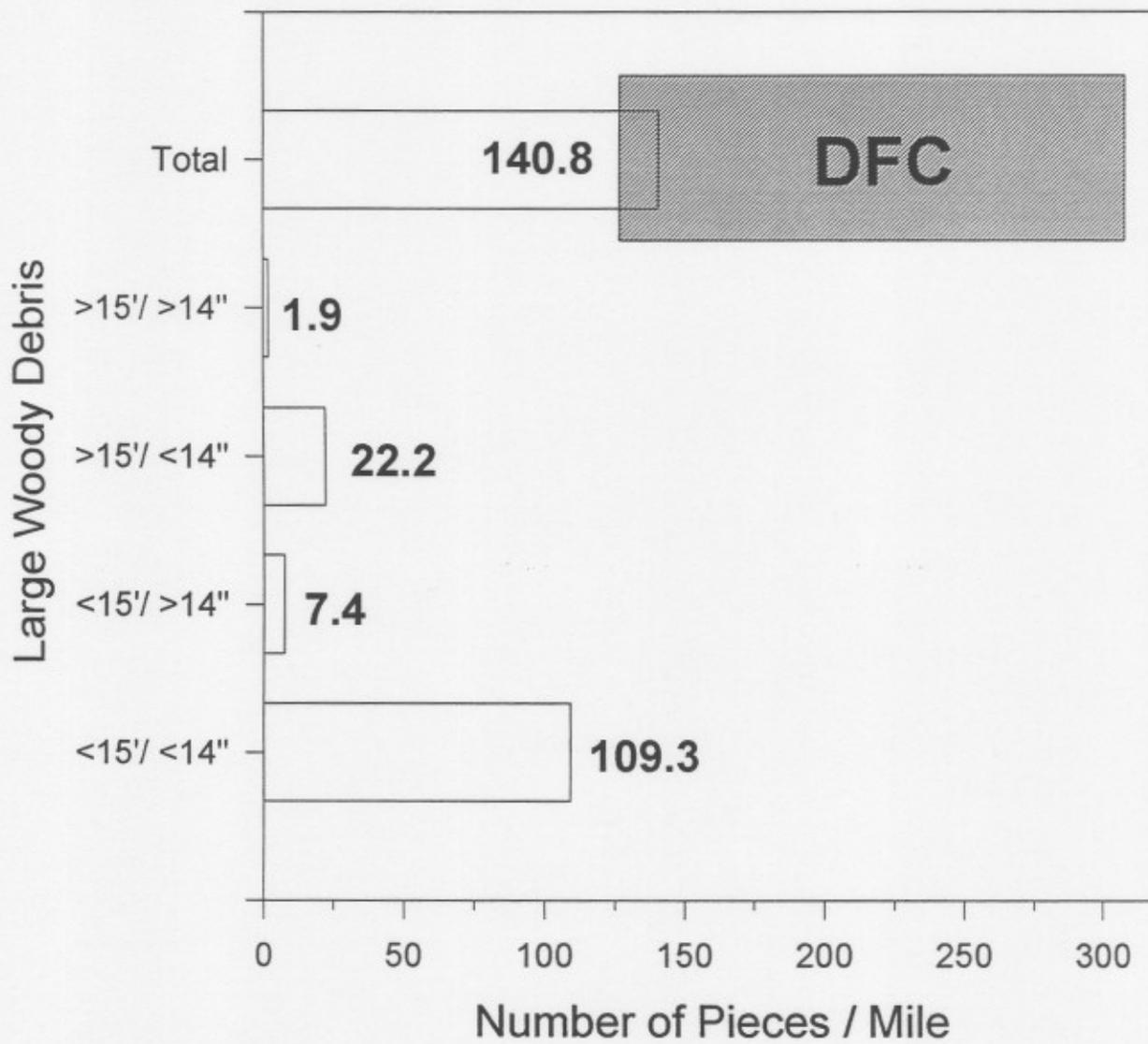
Minimum Riparian Width (Total): Not Measured

Hogback Creek

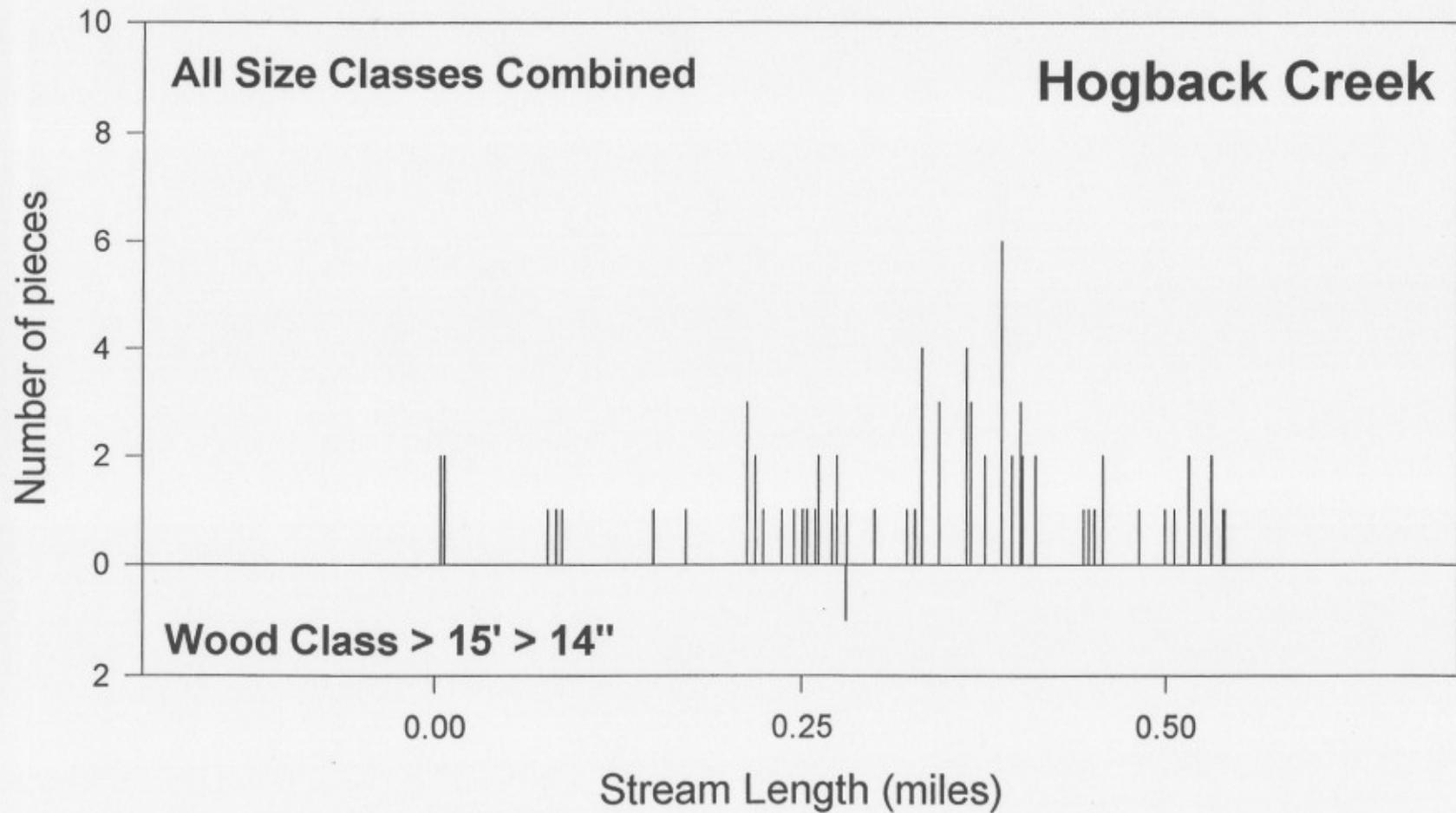
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Hogback Creek



Large Woody Debris Distribution



Stream: Johns Creek

District: Pedlar

Quadrangle: Big Levels

Sample Date: 5/31/95

Downstream Starting Point: .23 mi. upstream from USFS bound.

Total Distance Surveyed: 2.6 miles

Percent of Total Area - Pools: 30.1%

Number of Pools: 301

Number of Pools per mile: 116

Total Pool Area: 30361.28 sq. ft. \pm 1399.23

Mean Pool Area: 100.87 sq. ft.

Correction Factor: 1.06

Mean Maximum Depth: 1.1'

Mean Average Depth: 0.7'

Percent of Total Area - Riffles: 69.9%

Number of Riffles: 230

Number of Riffles per mile: 89

Total Riffle Area: 70558.41 sq. ft. \pm 7430.49

Mean Riffle Area: 306.78 sq. ft.

Correction Factor: 0.99

Mean Maximum Depth: 0.5'

Mean Average Depth: 0.3'

Number of Large Woody Debris Pieces per Mile: 92.7

Wood < 15' and < 14": 30.0

Wood < 15' and > 14": 8.5

Wood > 15' and < 14": 39.2

Wood > 15' and > 14": 15.0

Mean Channel Width: 11.4'

Mean Riparian Width: 62.5'

Mean Maximum Riparian Distance (either side): 42.8'

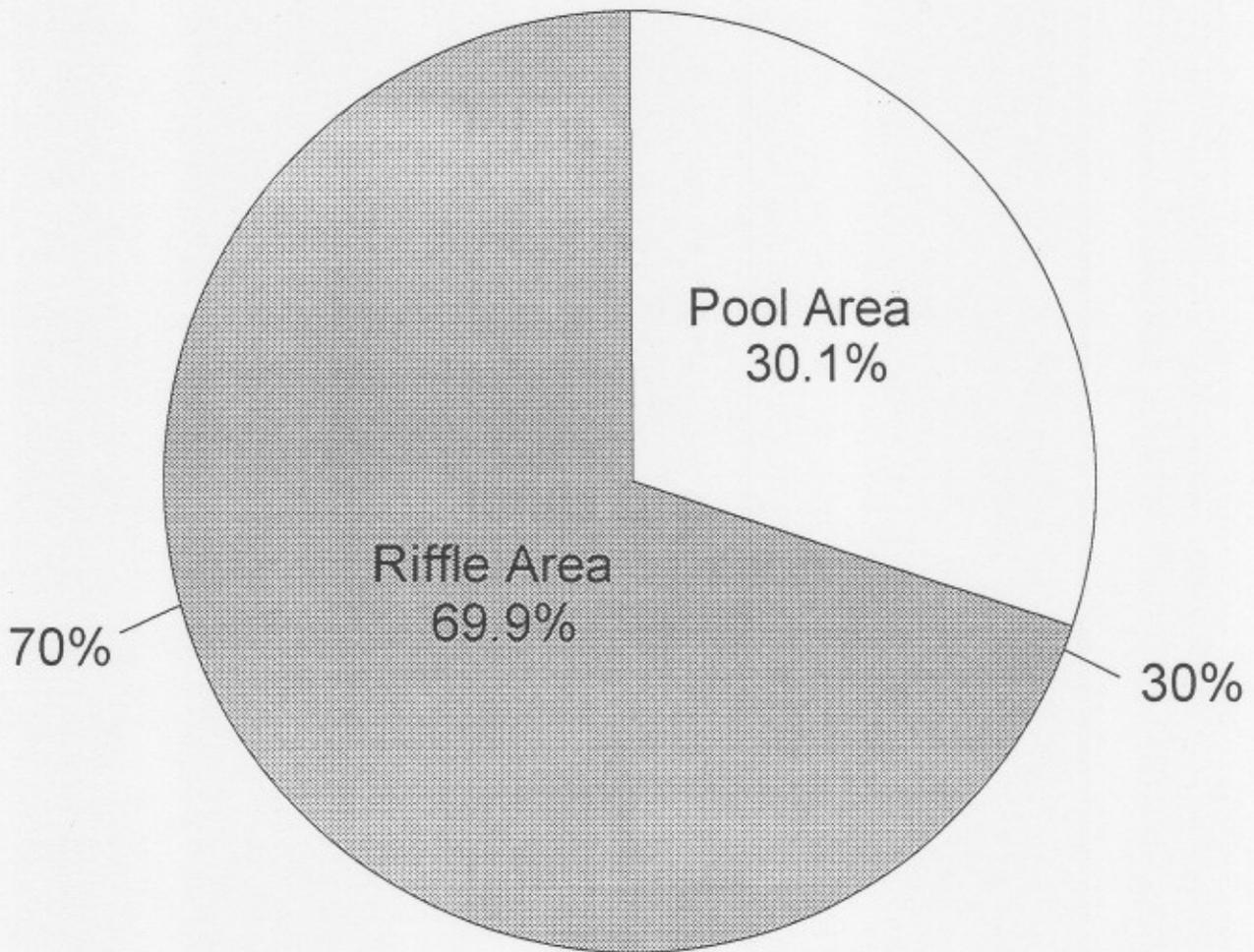
Mean Minimum Riparian Distance (either side): 8.3'

Maximum Riparian Width (Total): 215.5'

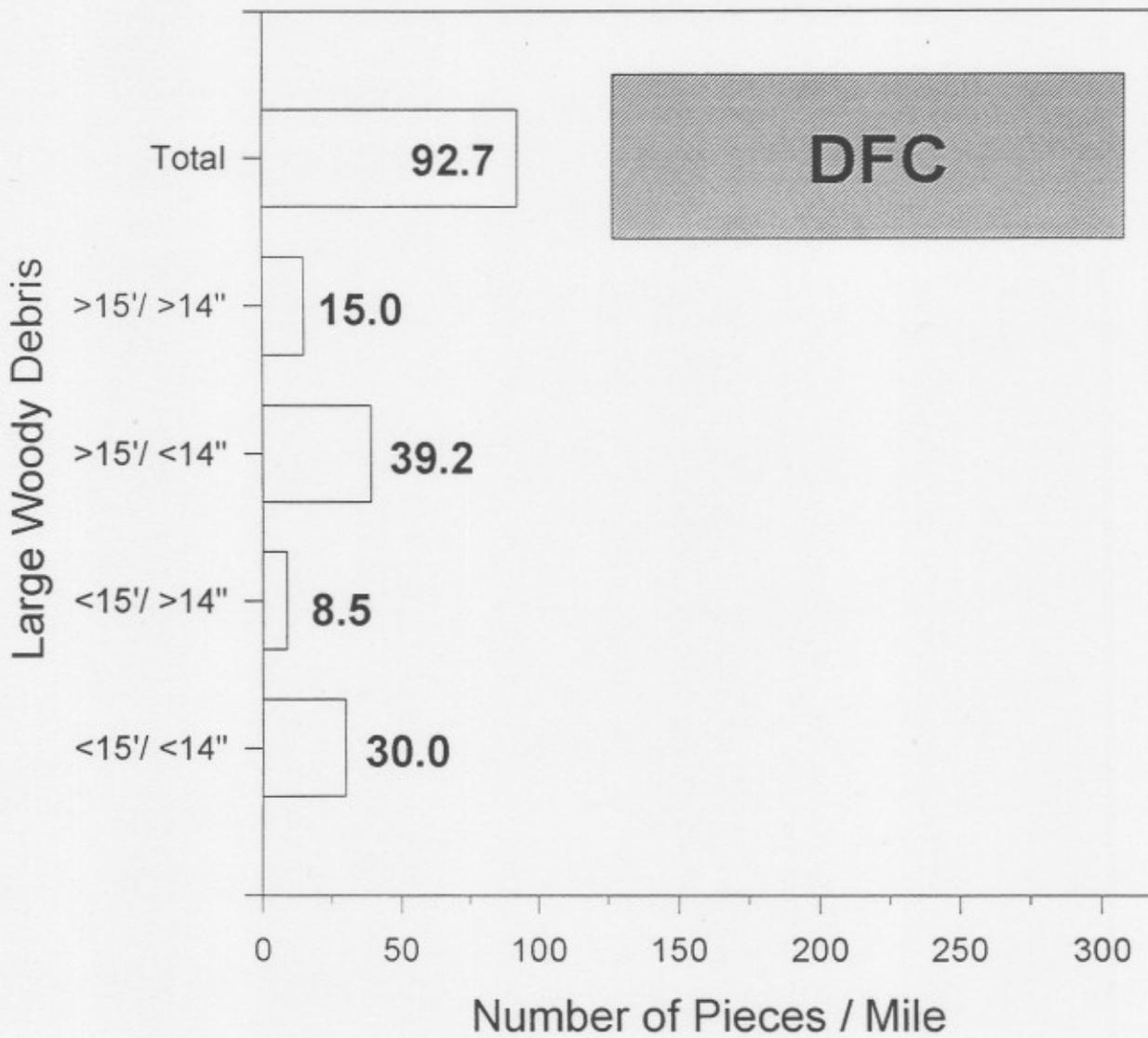
Minimum Riparian Width (Total): 19.5'

Johns Creek

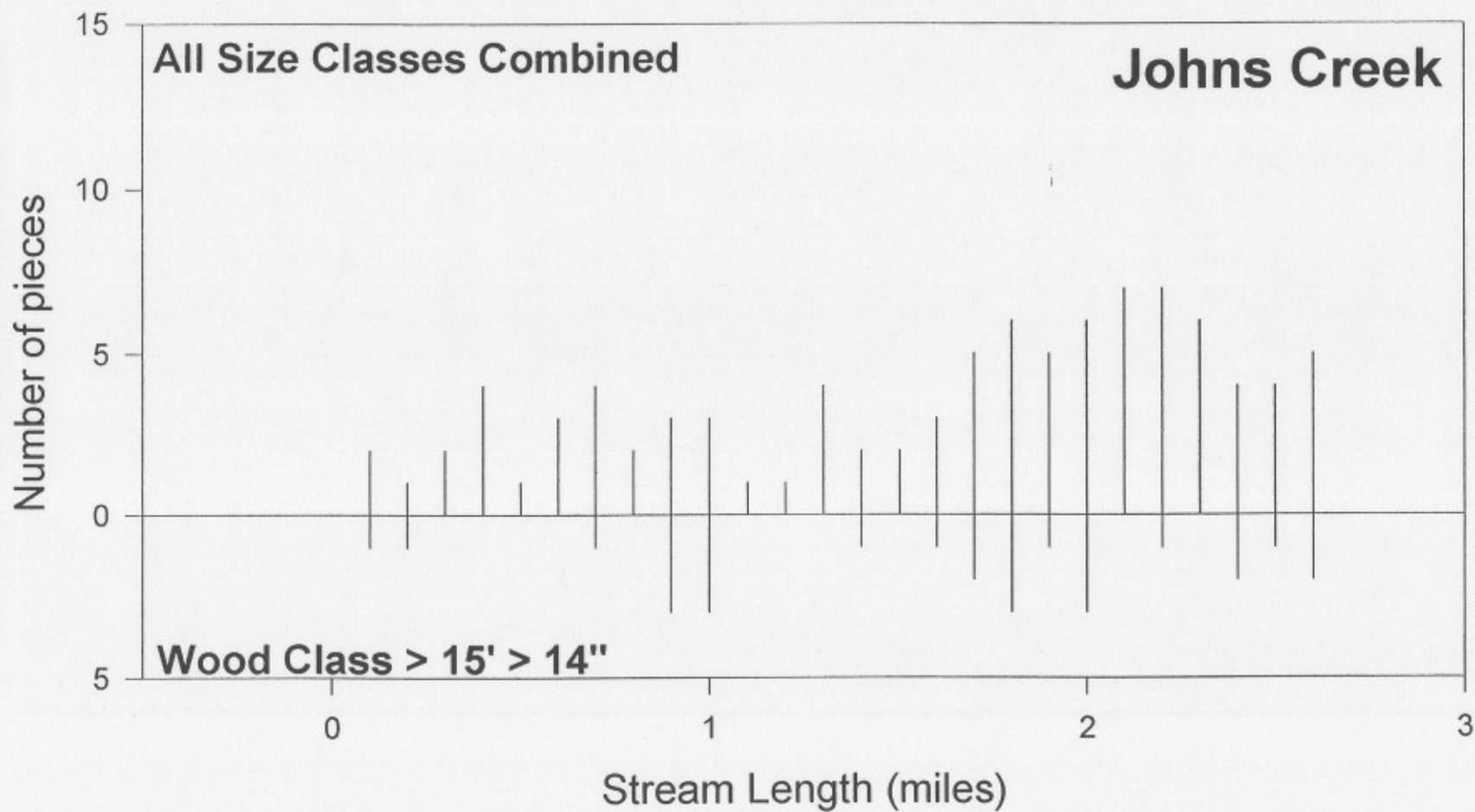
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Johns Creek



Large Woody Debris Distribution



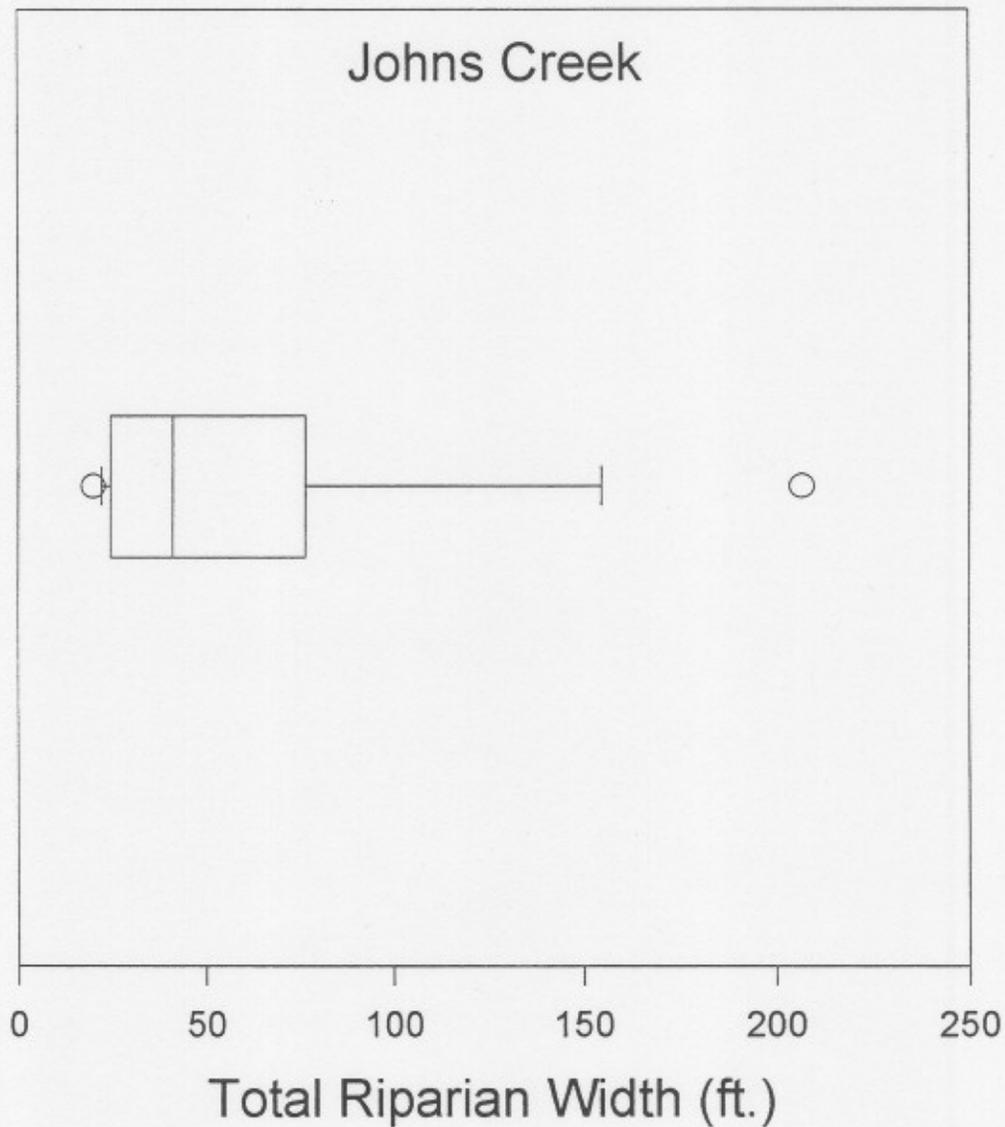
Riparian Width

Stream: Johns Creek

Number of measurements: 12

Mean width: 62.5 Std Dev: 58.6

Max: 215.5 Min: 19.5



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Kennedy Creek

District: Pedlar

Quadrangle: Big Levels

Sample Date: 5/30/95

Downstream Starting Point: USFS Boundary line

Total Distance Surveyed: 2.7 miles

Percent of Total Area - Pools: 7.3%

Number of Pools: 212

Number of Pools per mile: 79

Total Pool Area: 41450.76 sq. ft. \pm 2608.52

Mean Pool Area: 195.52 sq. ft.

Correction Factor: 1.1

Mean Maximum Depth: 1.8'

Mean Average Depth: 1.2'

Percent of Total Area - Riffles: 92.7%

Number of Riffles: 189

Number of Riffles per mile: 70

Total Riffle Area: 525610.62 \pm 12879.38

Mean Riffle Area: 2781.01 sq. ft.

Correction Factor: 0.93

Mean Maximum Depth: 1.1'

Mean Average Depth: 0.5'

Number of Large Woody Debris Pieces per Mile: 60.7

Wood < 15' and < 14": 24.4

Wood < 15' and > 14": 3.0

Wood > 15' and < 14": 24.8

Wood > 15' and > 14": 8.5

Mean Channel Width: 20.1'

Mean Riparian Width: 119.4'

Mean Maximum Riparian Distance (either side): 72.1'

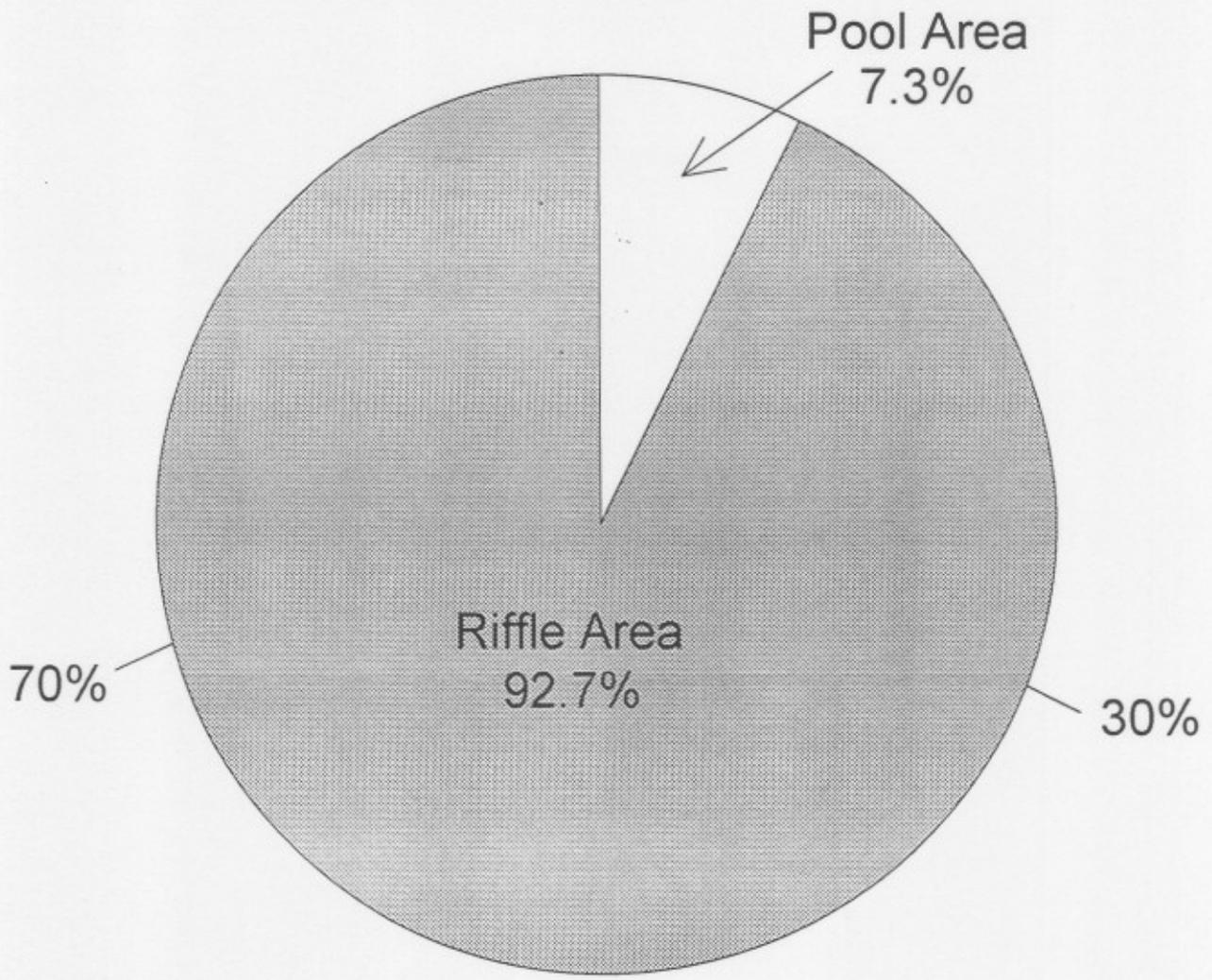
Mean Minimum Riparian Distance (either side): 27.2'

Maximum Riparian Width (Total): 466.0'

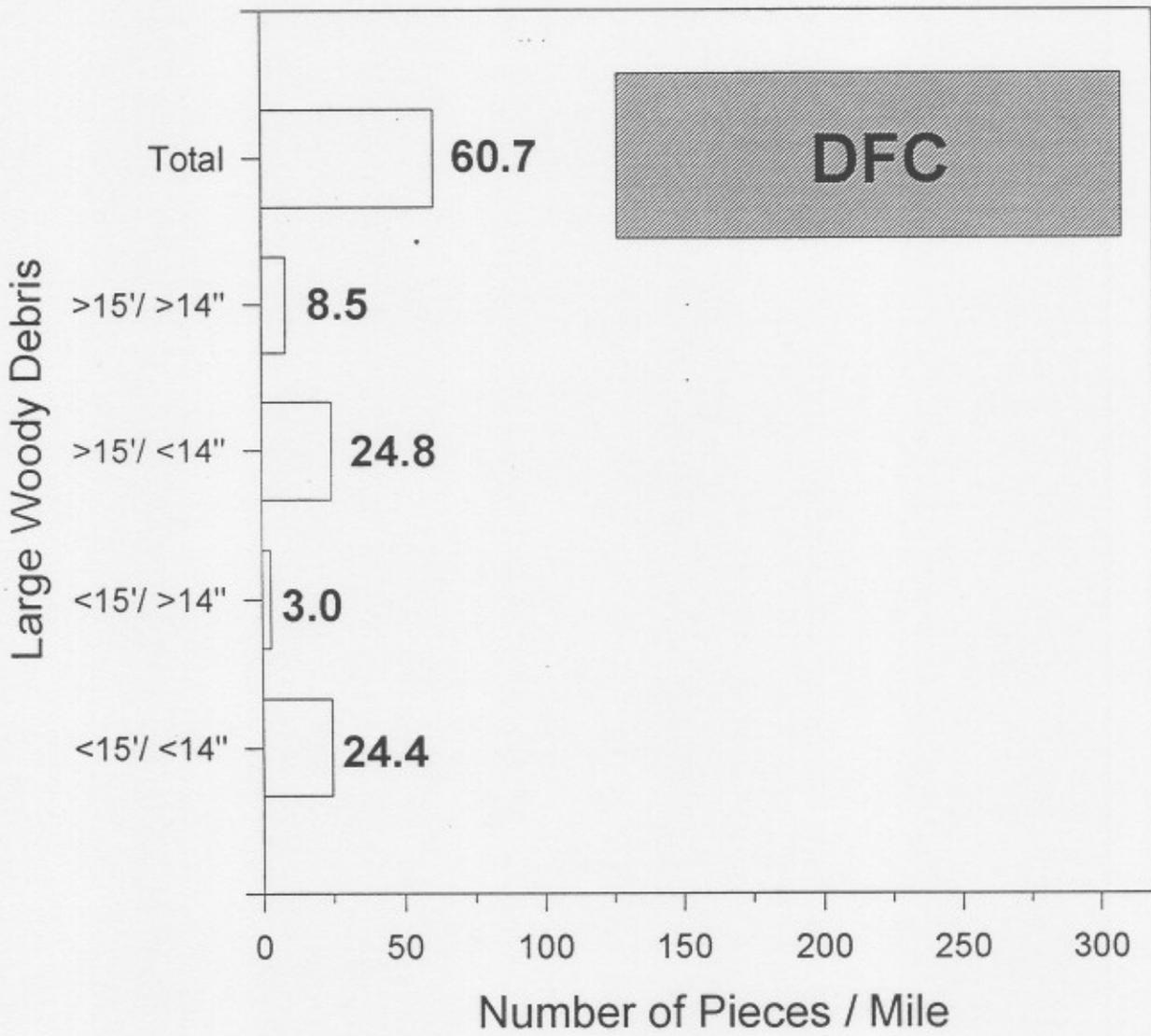
Minimum Riparian Width (Total): 41.9'

Kennedy Creek

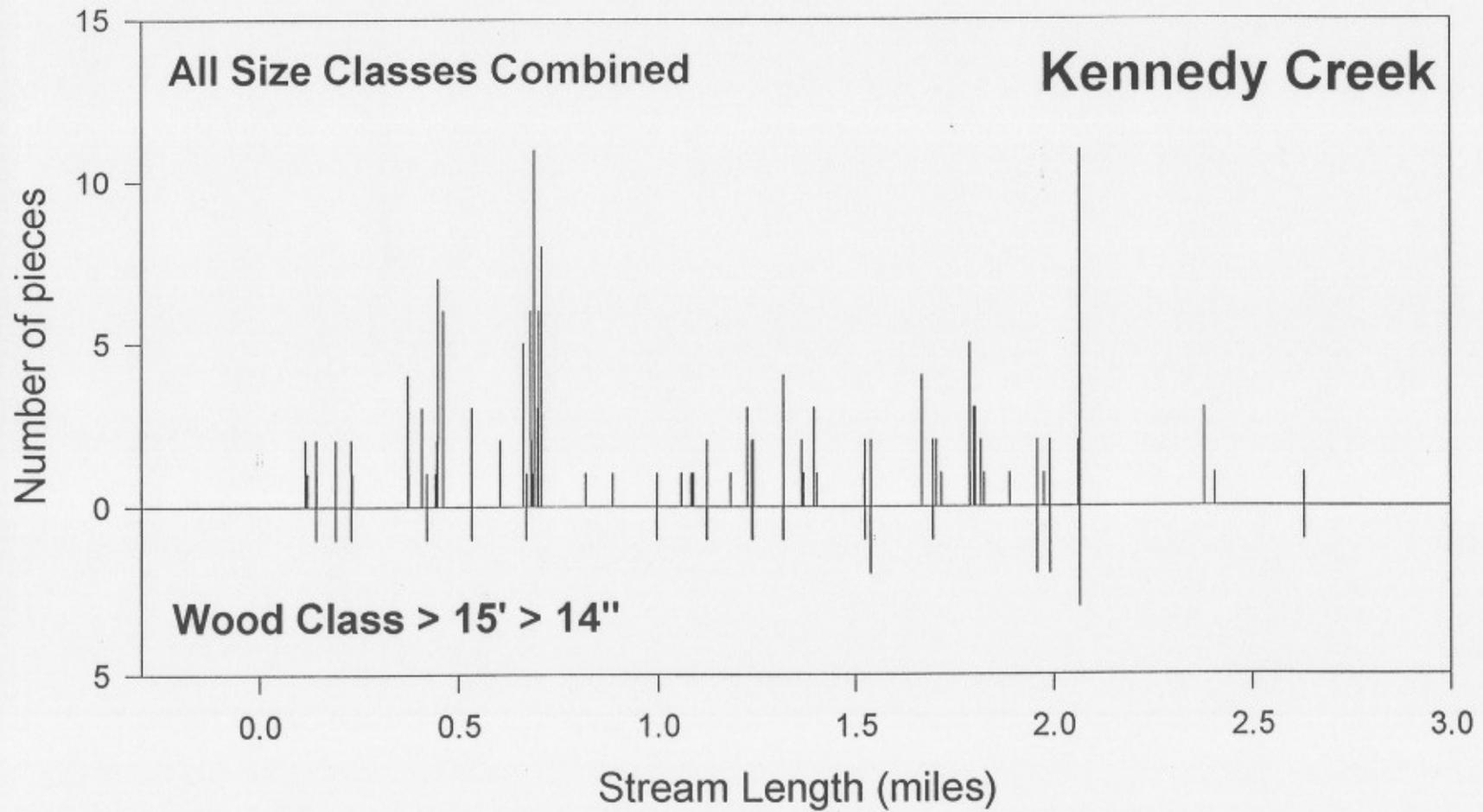
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Kennedy Creek



Large Woody Debris Distribution



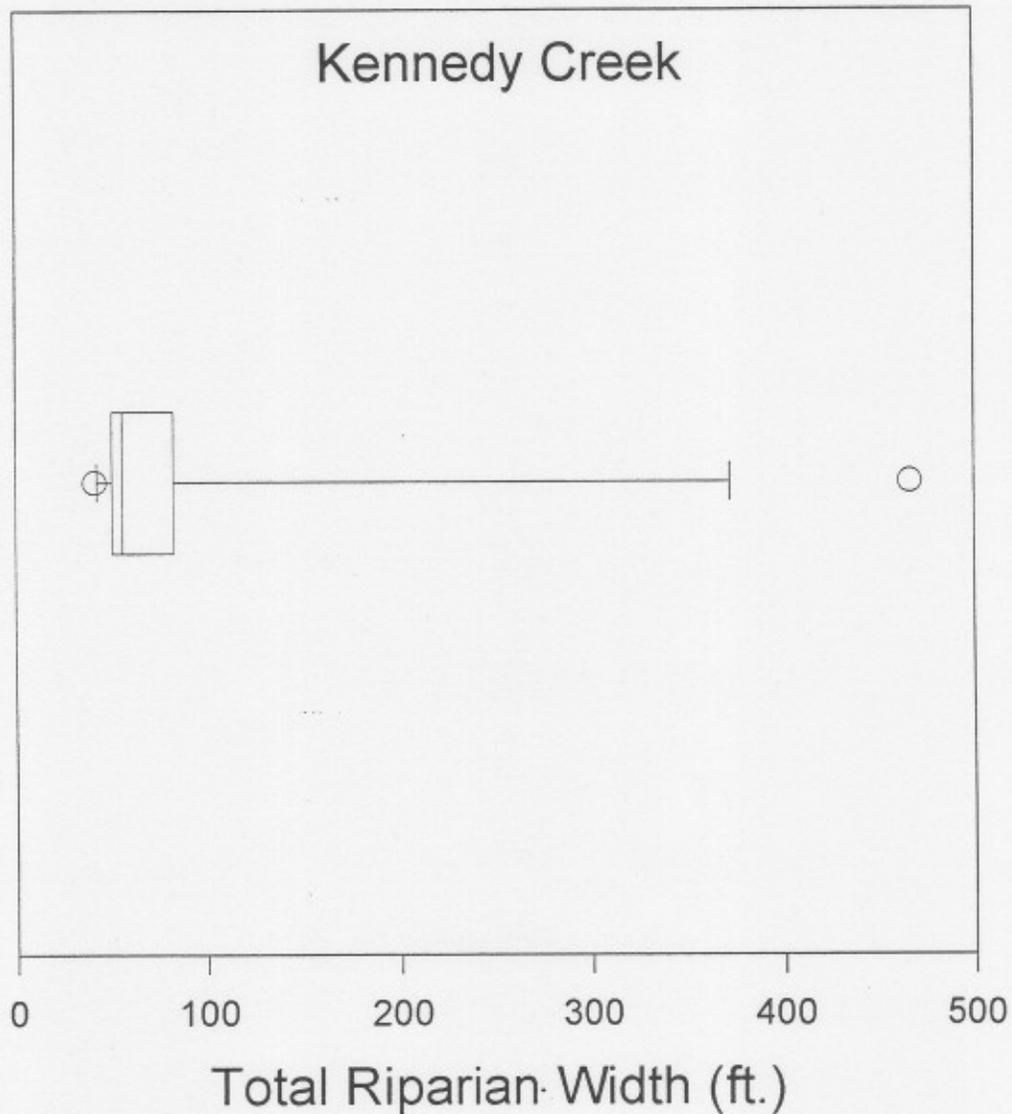
Riparian Width

Stream: Kennedy Creek

Number of measurements: 10

Mean width: 119.4 Std Dev: 140.9

Max: 466.0 Min: 41.9



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Loves Run

District: Pedlar

Quadrangle: Big Levels

Sample Date: 6/5/95

Downstream Starting Point: USFS Boundary at Culvert

Total Distance Surveyed: 1.54 miles

Percent of Total Area - Pools: 23.8%

Number of Pools: 133

Number of Pools per mile: 86

Total Pool Area: 15846 sq. ft. \pm 2887.29 sq. ft.

Mean Pool Area: 119.1 sq. ft.

Correction Factor: 0.94

Mean Maximum Depth: 1.2'

Mean Average Depth: 0.8'

Percent of Total Area - Riffles: 76.2%

Number of Riffles: 111

Number of Riffles per mile: 72

Total Riffle Area: 50789 sq. ft. \pm 4008 sq. Ft.

Mean Riffle Area: 457.6 sq. ft.

Correction Factor: 1.06

Mean Maximum Depth: 0.7'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 51.4

Wood < 15' and < 14": 34.4

Wood < 15' and > 14": 2.0

Wood > 15' and < 14": 14.3

Wood > 15' and > 14": 0.7

Mean Channel Width: 14.3'

Mean Riparian Width: 36.5'

Mean Maximum Riparian Distance (either side): 17.9'

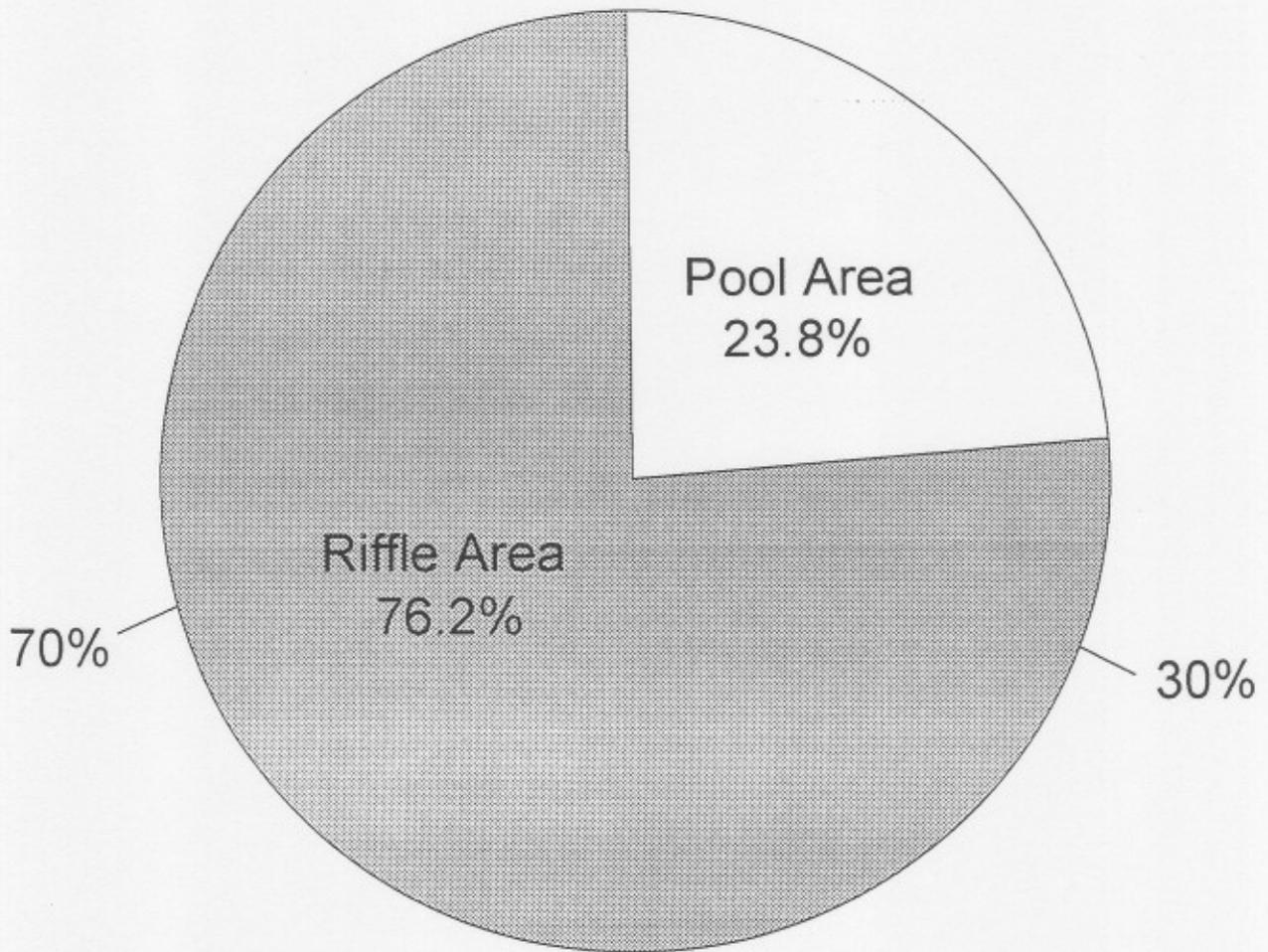
Mean Minimum Riparian Distance (either side): 4.2'

Maximum Riparian Width (Total): 52.3'

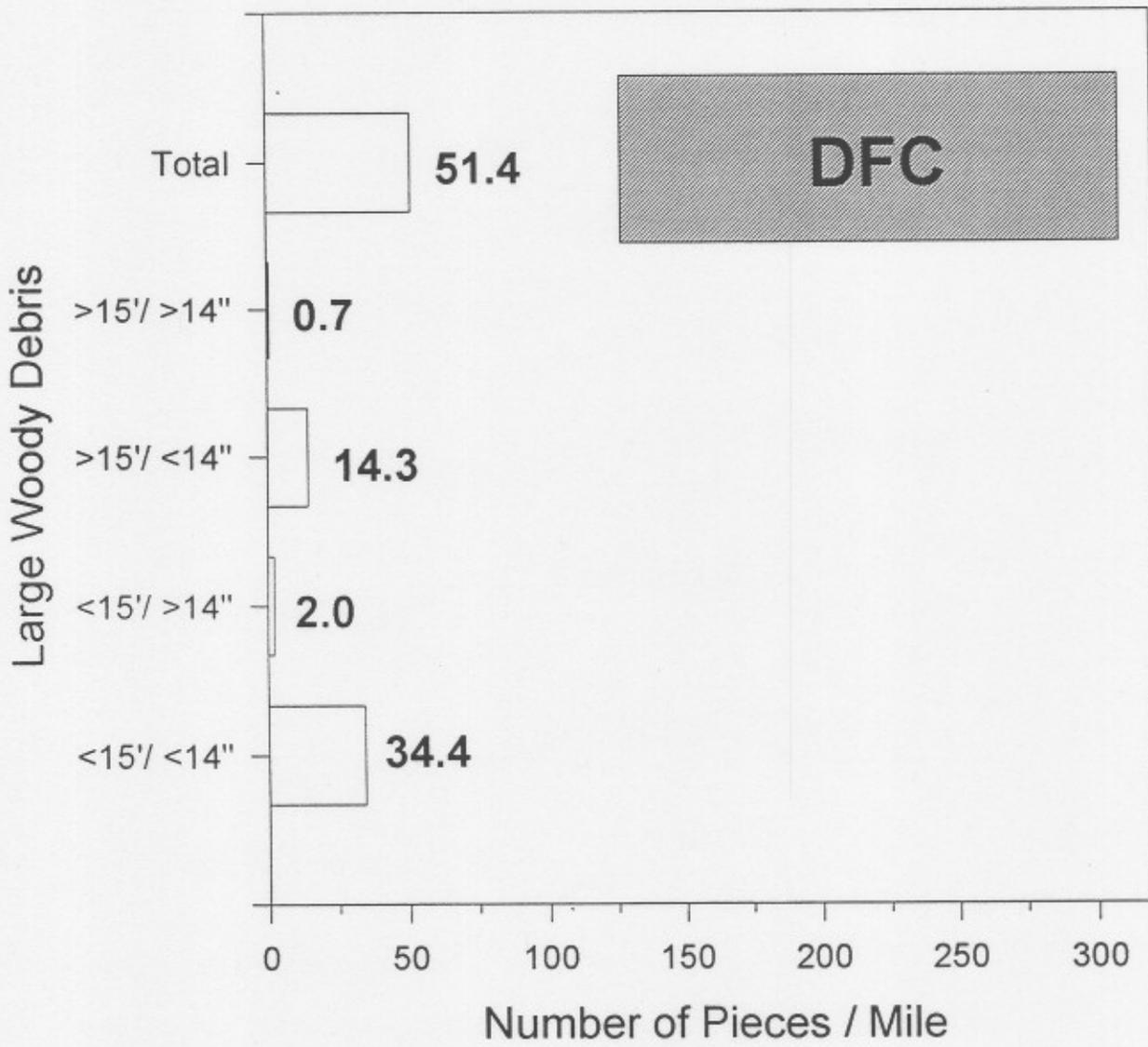
Minimum Riparian Width (Total): 25.3'

Loves Run

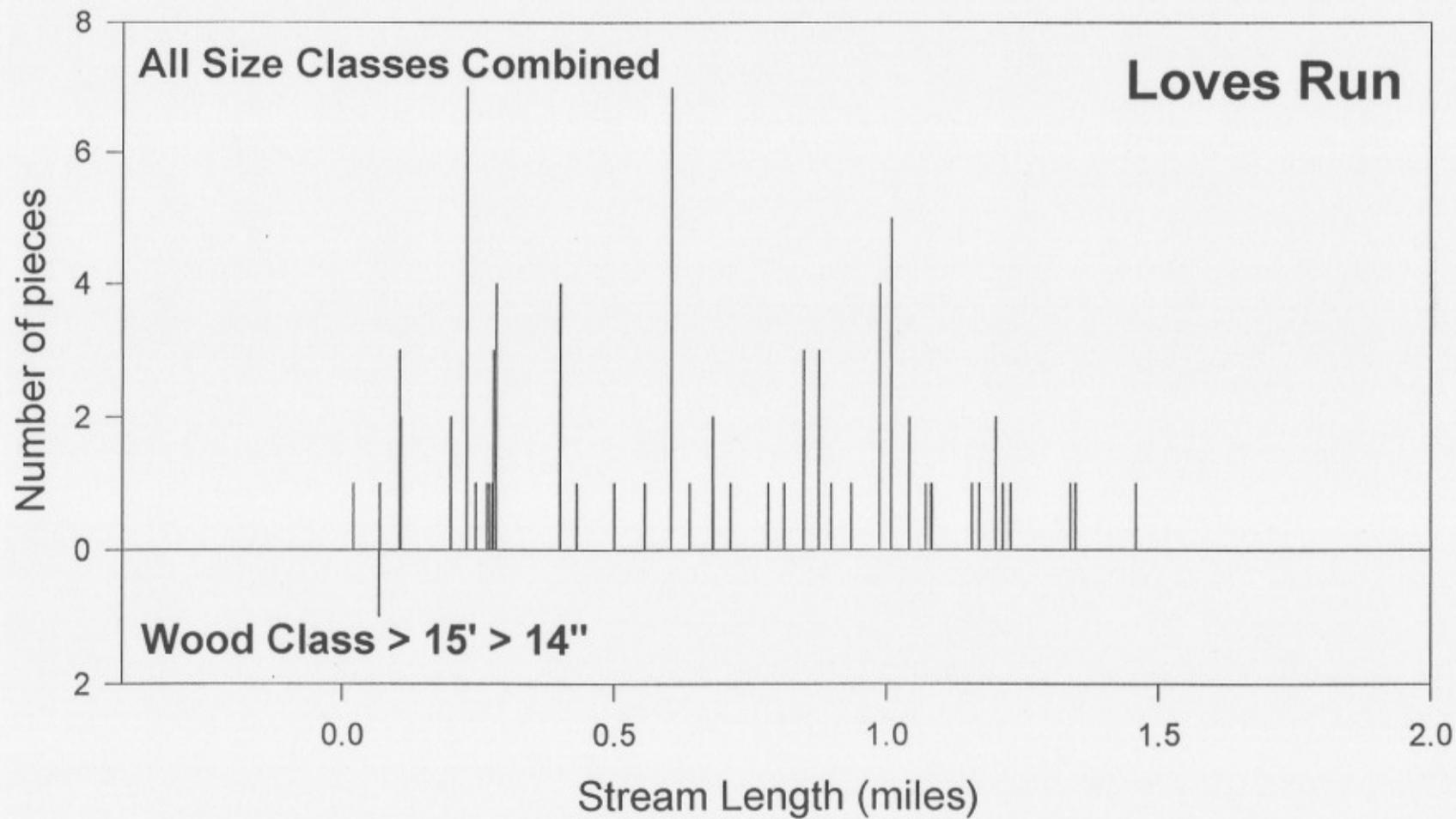
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Loves Run



Large Woody Debris Distribution



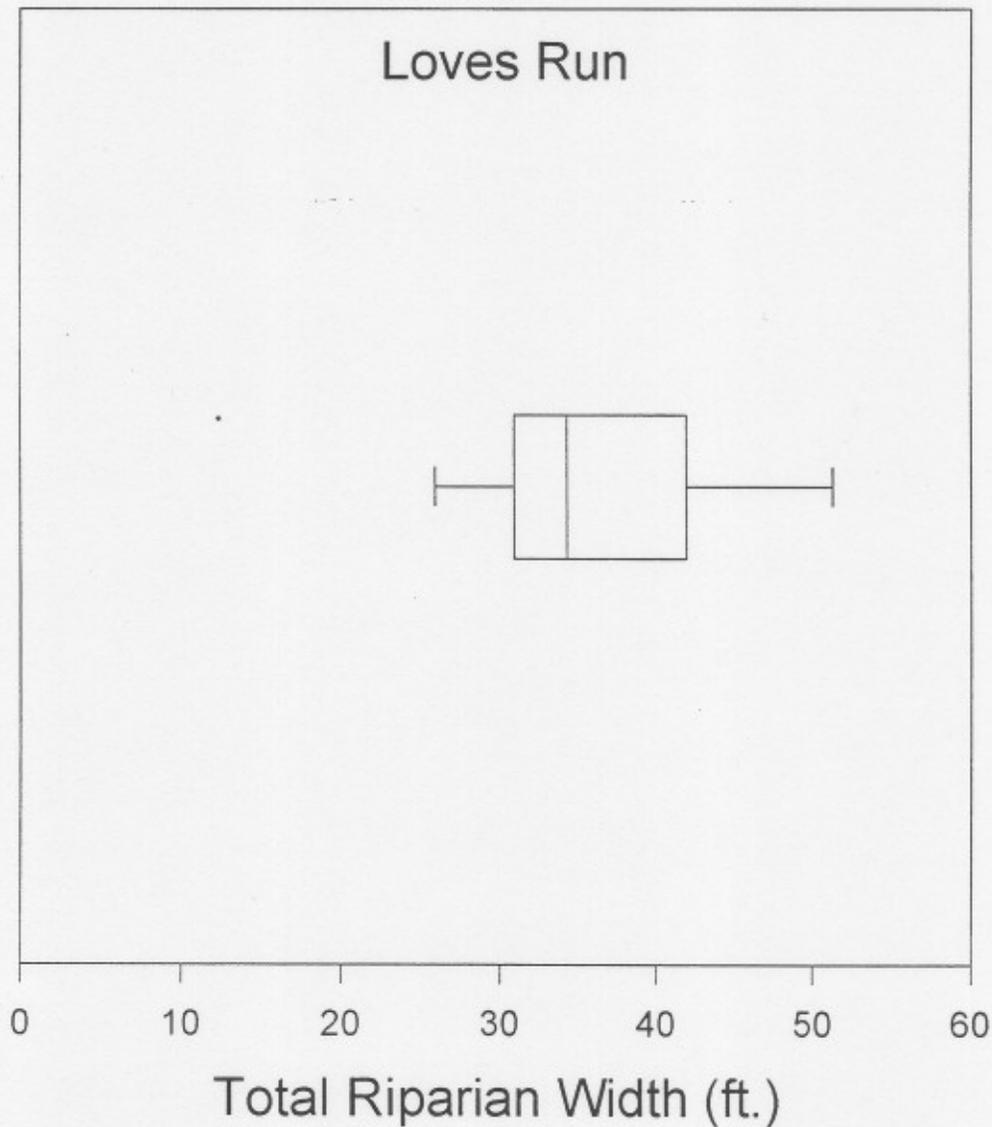
Riparian Width

Stream: Loves Run

Number of measurements: 6

Mean width: 36.5 Std Dev: 9.4

Max: 52.3 Min: 25.3



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Lower St. Marys Creek

District: Pedlar

Quadrangle: Big Levels

Sample Date: 5/29/89

Downstream Starting Point: confl. with Sugartree Br.

Total Distance Surveyed: 1.2 miles

Percent of Total Area - Pools: 66.5%

Number of Pools: 140

Number of Pools per mile: 116

Total Pool Area: 24486.77 ± 624.02 sq. ft.

Mean Pool Area: 174.9 sq. ft.

Correction Factor: 1.09

Mean Maximum Depth: 2.3'

Mean Average Depth: 1.5'

Percent of Total Area - Riffles: 33.5%

Number of Riffles: 91

Number of Riffles per mile: 76

Total Riffle Area: 12308.39 ± 917.63 sq. ft.

Mean Riffle Area: 135.3 sq. ft.

Correction Factor: 1.13

Mean Maximum Depth: Not Measured

Mean Average Depth: 0.6'

Number of Large Woody Debris Pieces per Mile: 4.1

Wood < 15' and < 14": 3.3

Wood < 15' and > 14": 0.0

Wood > 15' and < 14": 0.8

Wood > 15' and > 14": 0.0

Mean Channel Width: Not Measured

Mean Riparian Width: Not Measured

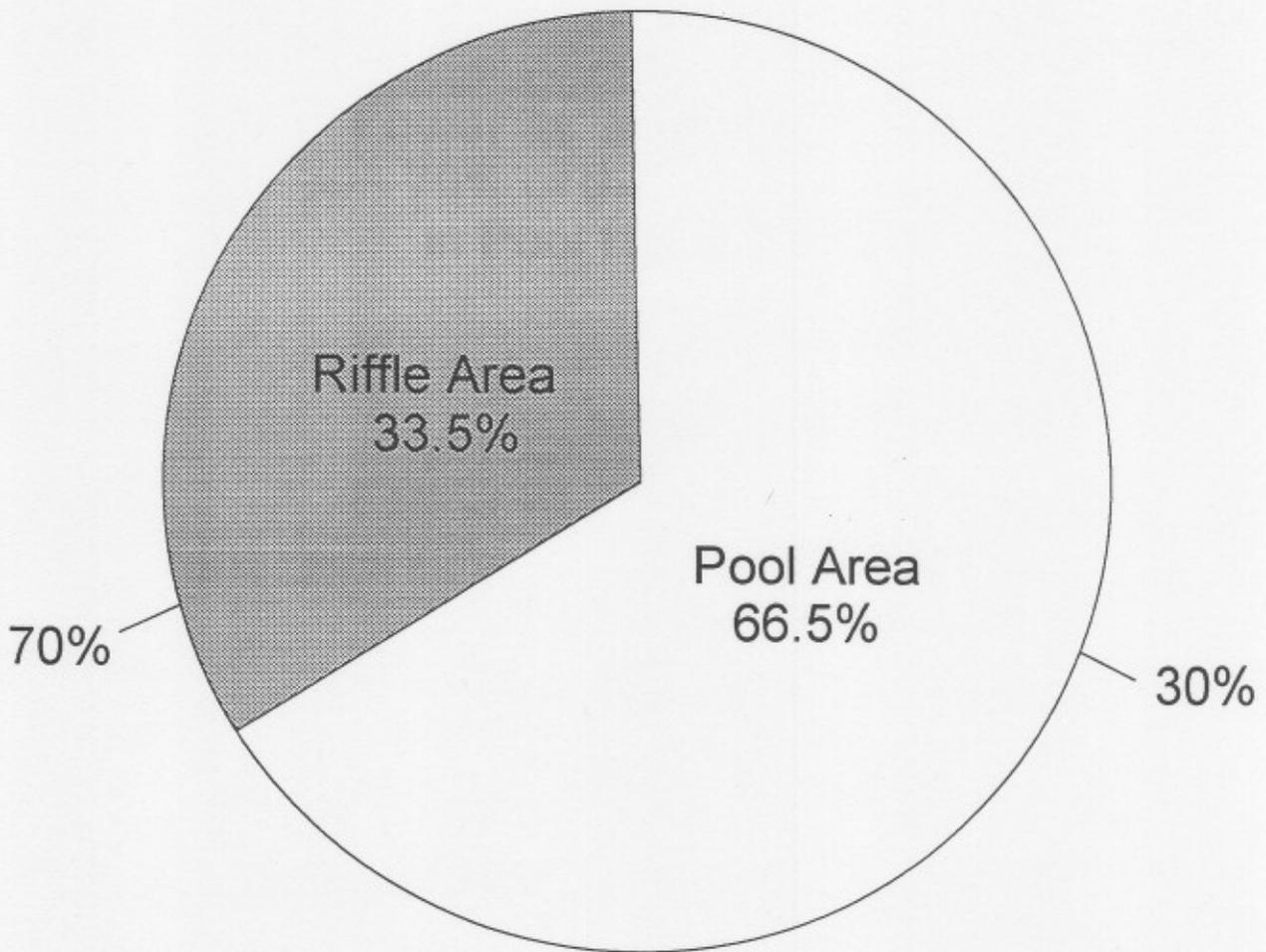
Mean Maximum Riparian Distance : Not Measured

Mean Minimum Riparian Distance : Not Measured

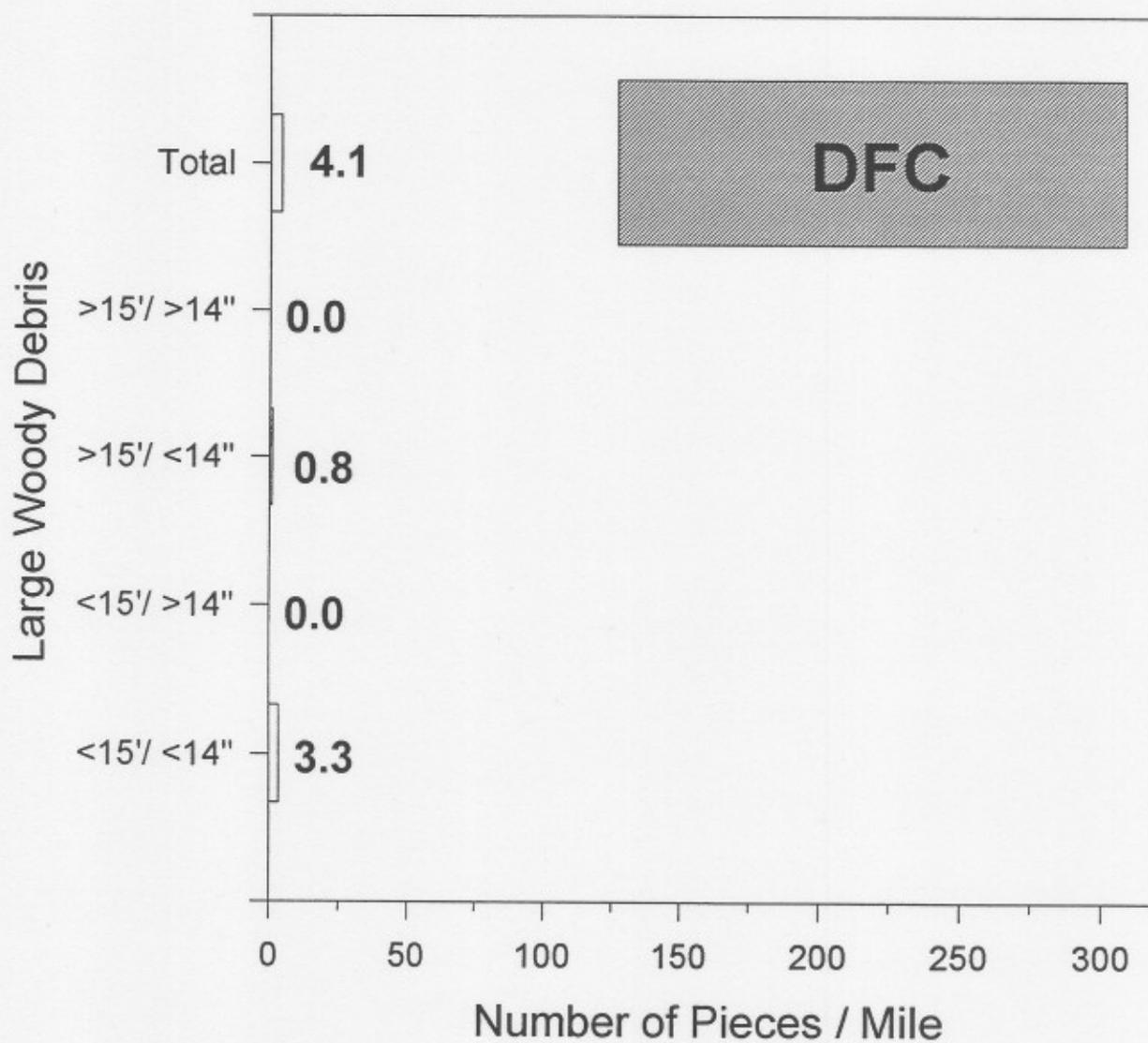
Maximum Riparian Width (Total): Not Measured

Minimum Riparian Width (Total): Not Measured

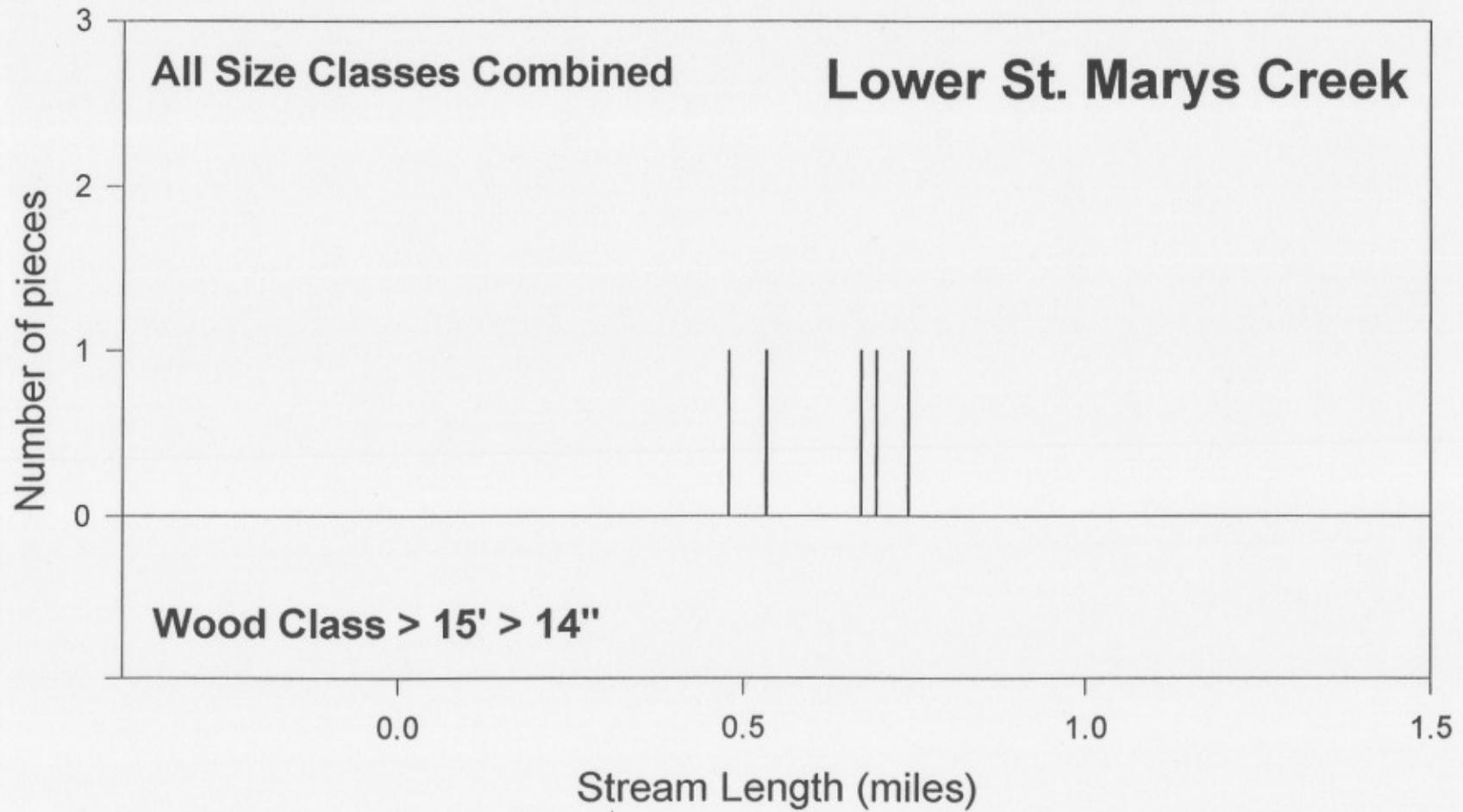
Lower St. Marys Creek
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Lower St. Marys Creek



Large Woody Debris Distribution



Stream: Mine Bank Creek

District: Pedlar

Quadrangle: Big Levels

Sample Date: 7/11/89

Downstream Starting Point: confl. with St.Marys Creek

Total Distance Surveyed: 0.32 miles

Percent of Total Area - Pools: 36.6%

Number of Pools: 41

Number of Pools per mile: 128

Total Pool Area: 1443.10 ± 94.34 sq. ft.

Mean Pool Area: 35.2 sq. ft.

Correction Factor: 0.98

Mean Maximum Depth: 1.1'

Mean Average Depth: 0.8'

Percent of Total Area - Riffles: 63.4%

Number of Riffles: 36

Number of Riffles per mile: 113

Total Riffle Area: 2503.26 ± 331.24 sq. ft.

Mean Riffle Area: 69.5 sq. ft.

Correction Factor: 0.99

Mean Maximum Depth: 0.5'

Mean Average Depth: 0.3'

Number of Large Woody Debris Pieces per Mile: 106.2

Wood < 15' and < 14": 84.2

Wood < 15' and > 14": 3.1

Wood > 15' and < 14": 15.6

Wood > 15' and > 14": 3.1

Mean Channel Width: Not Measured

Mean Riparian Width: Not Measured

Mean Maximum Riparian Distance : Not Measured

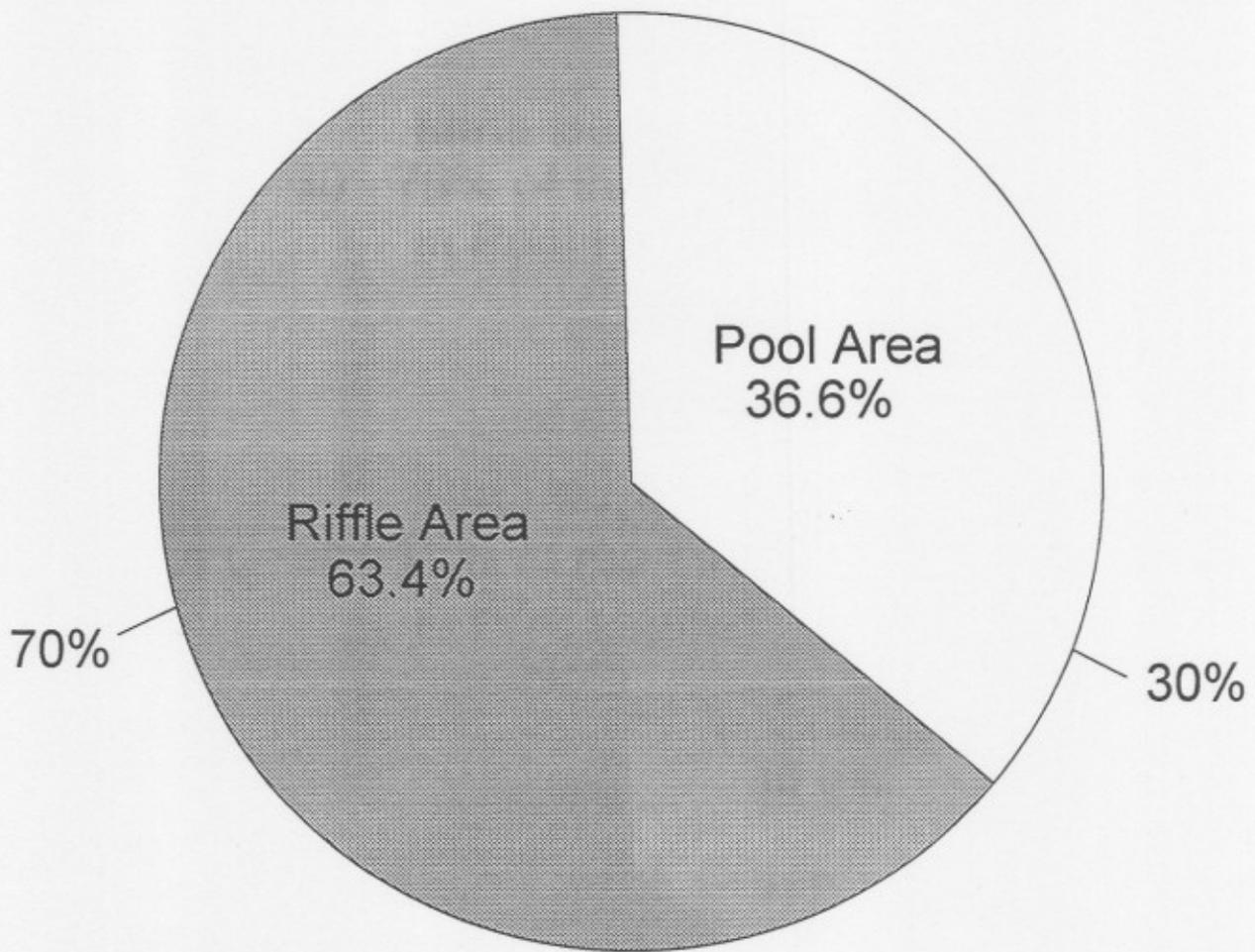
Mean Minimum Riparian Distance : Not Measured

Maximum Riparian Width (Total): Not Measured

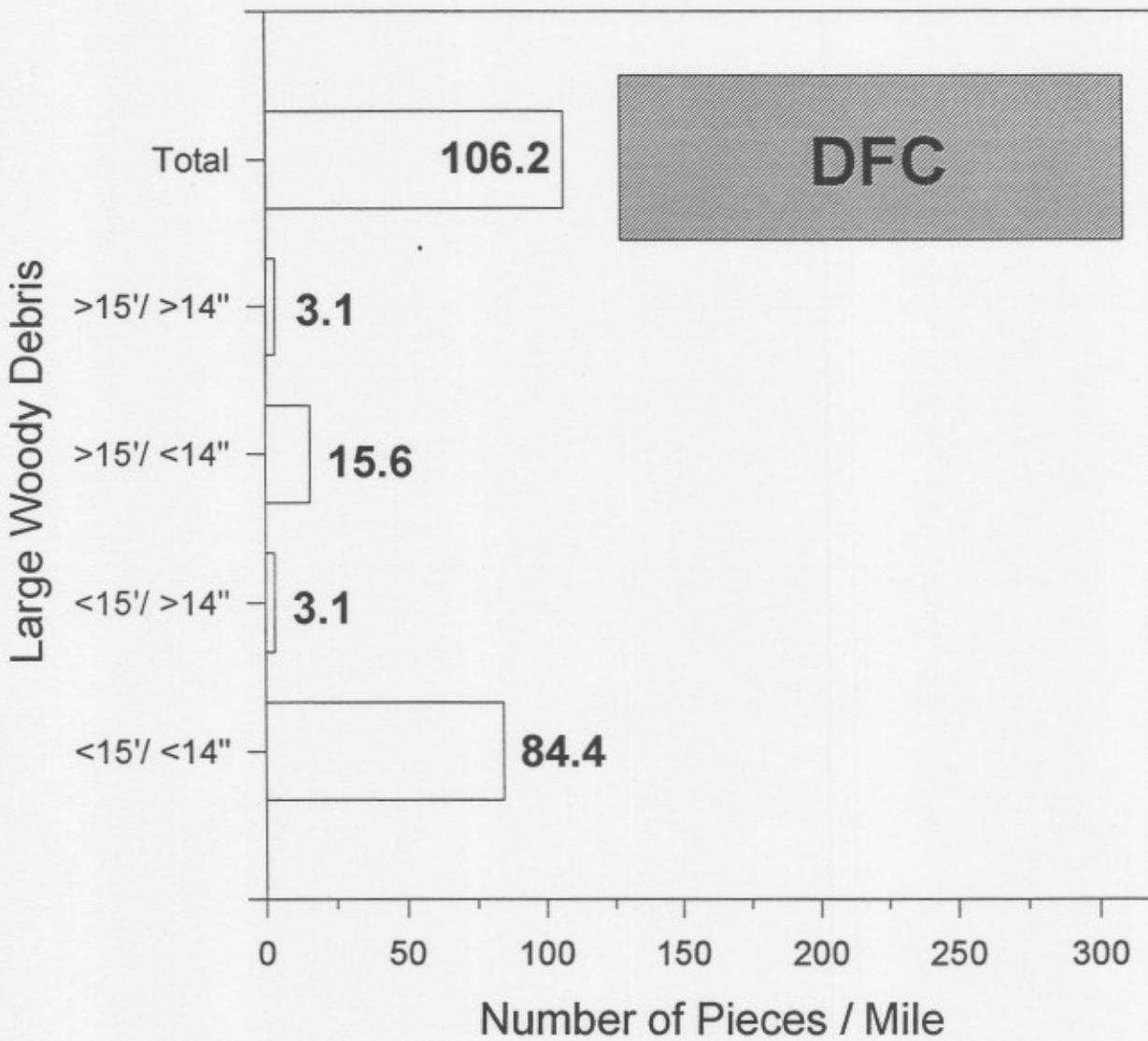
Minimum Riparian Width (Total): Not Measured

Mine Bank Creek

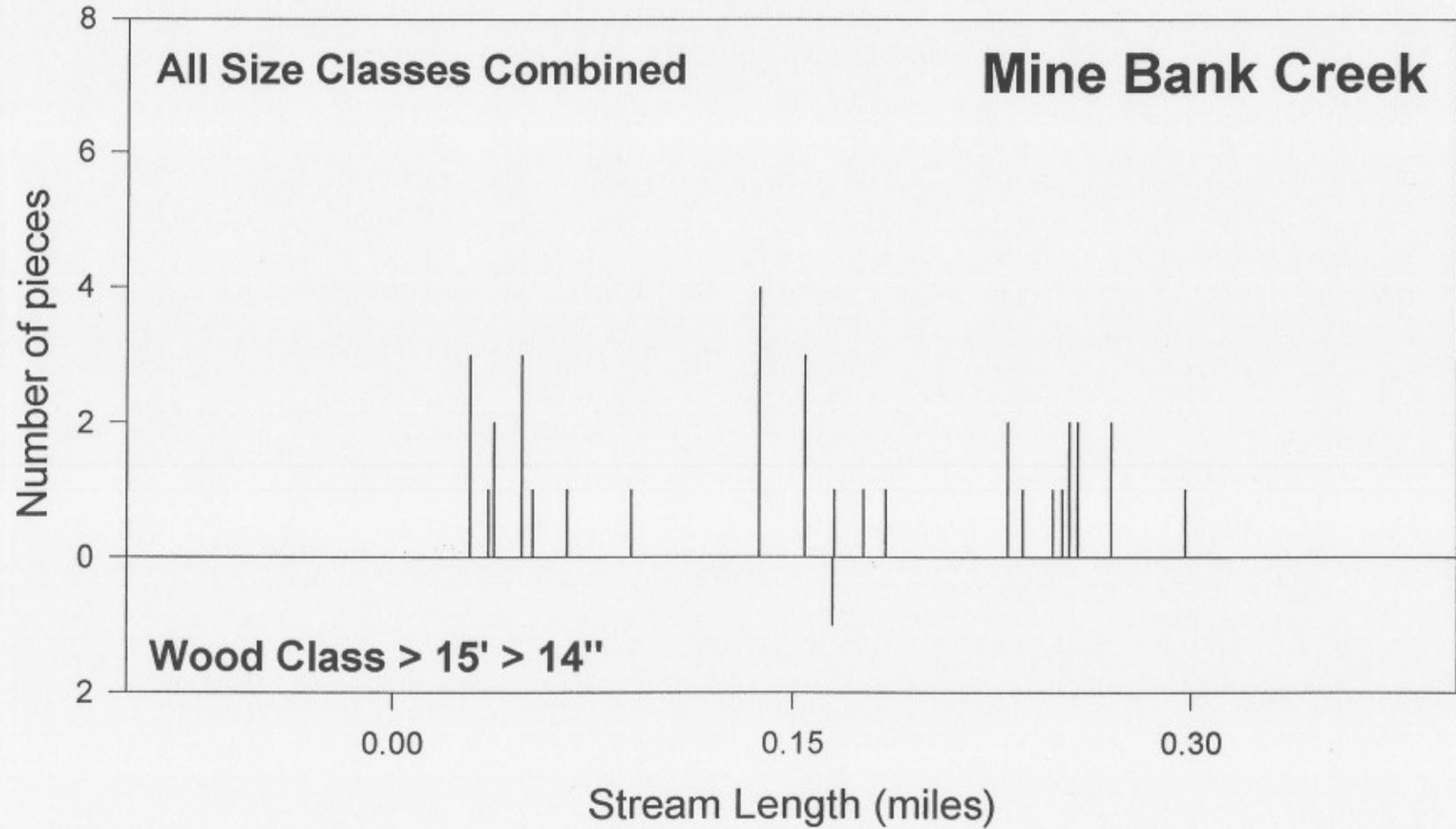
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Mine Bank Creek



Large Woody Debris Distribution



Stream: North Fork Back Creek

District: Pedlar

Quadrangle: Big Levels

Sample Date: 7/29/95

Downstream Starting Point: USFS Bound. near Rt. 664

Total Distance Surveyed: 4.2 miles

Percent of Total Area - Pools: 26.7%

Number of Pools: 210

Number of Pools per mile: 50

Total Pool Area: 96802.49 sq. ft. \pm 3610.72

Mean Pool Area: 461.0 sq. ft.

Correction Factor: 1.03

Mean Maximum Depth: 1.4'

Mean Average Depth: 0.9'

Percent of Total Area - Riffles: 73.3%

Number of Riffles: 181

Number of Riffles per mile: 43

Total Riffle Area: 266331.28 sq. ft. \pm 8309.94

Mean Riffle Area: 1471.4 sq. ft.

Correction Factor: 1.05

Mean Maximum Depth: 0.8'

Mean Average Depth: 0.5'

Number of Large Woody Debris Pieces per Mile: 135.2

Wood < 15' and < 14": 35.0

Wood < 15' and > 14": 4.7

Wood > 15' and < 14": 63.8

Wood > 15' and > 14": 31.7

Mean Channel Width: 27.1'

Mean Riparian Width: 121.7'

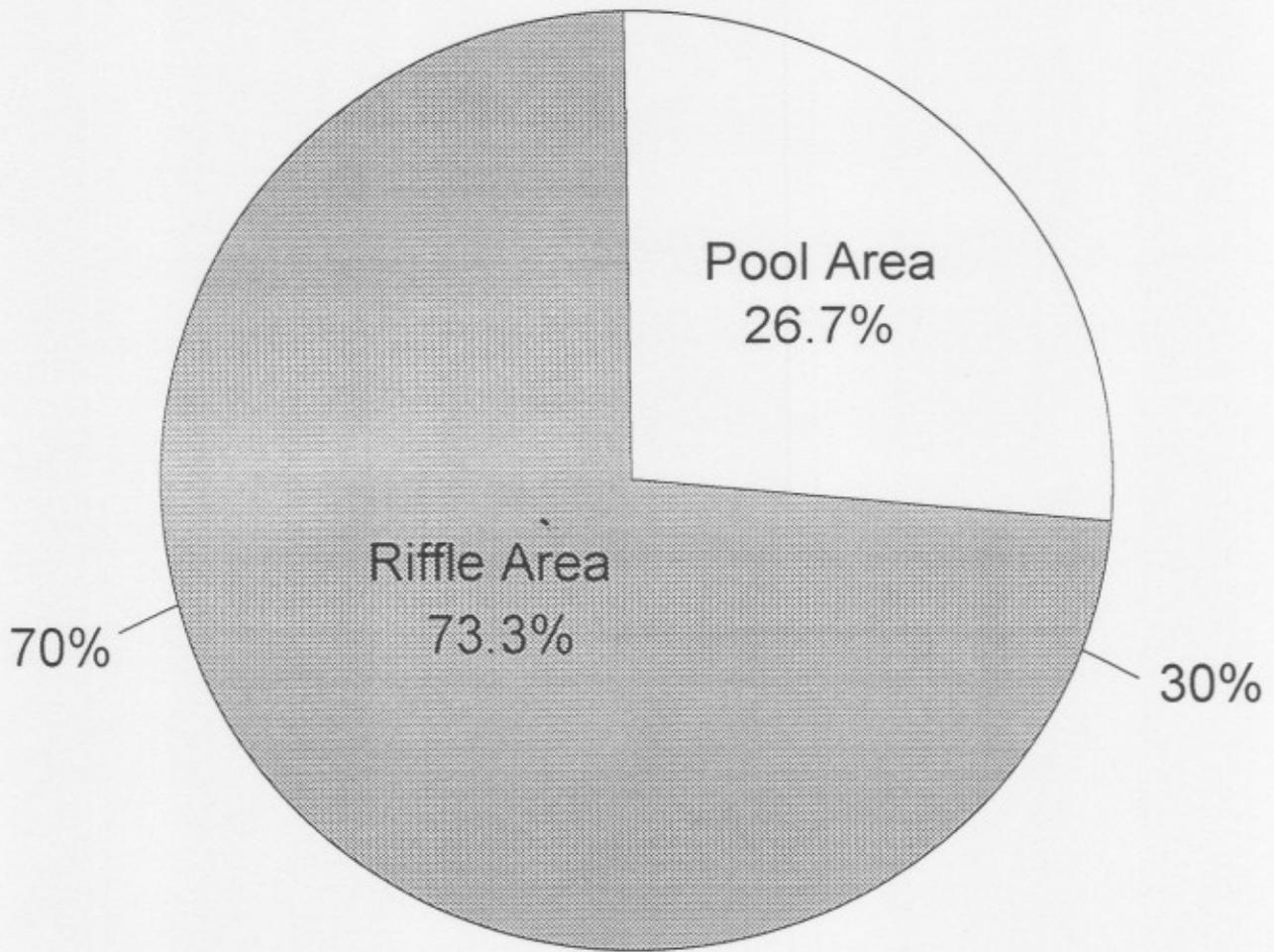
Mean Maximum Riparian Distance (either side): 79.9'

Mean Minimum Riparian Distance (either side): 17.3'

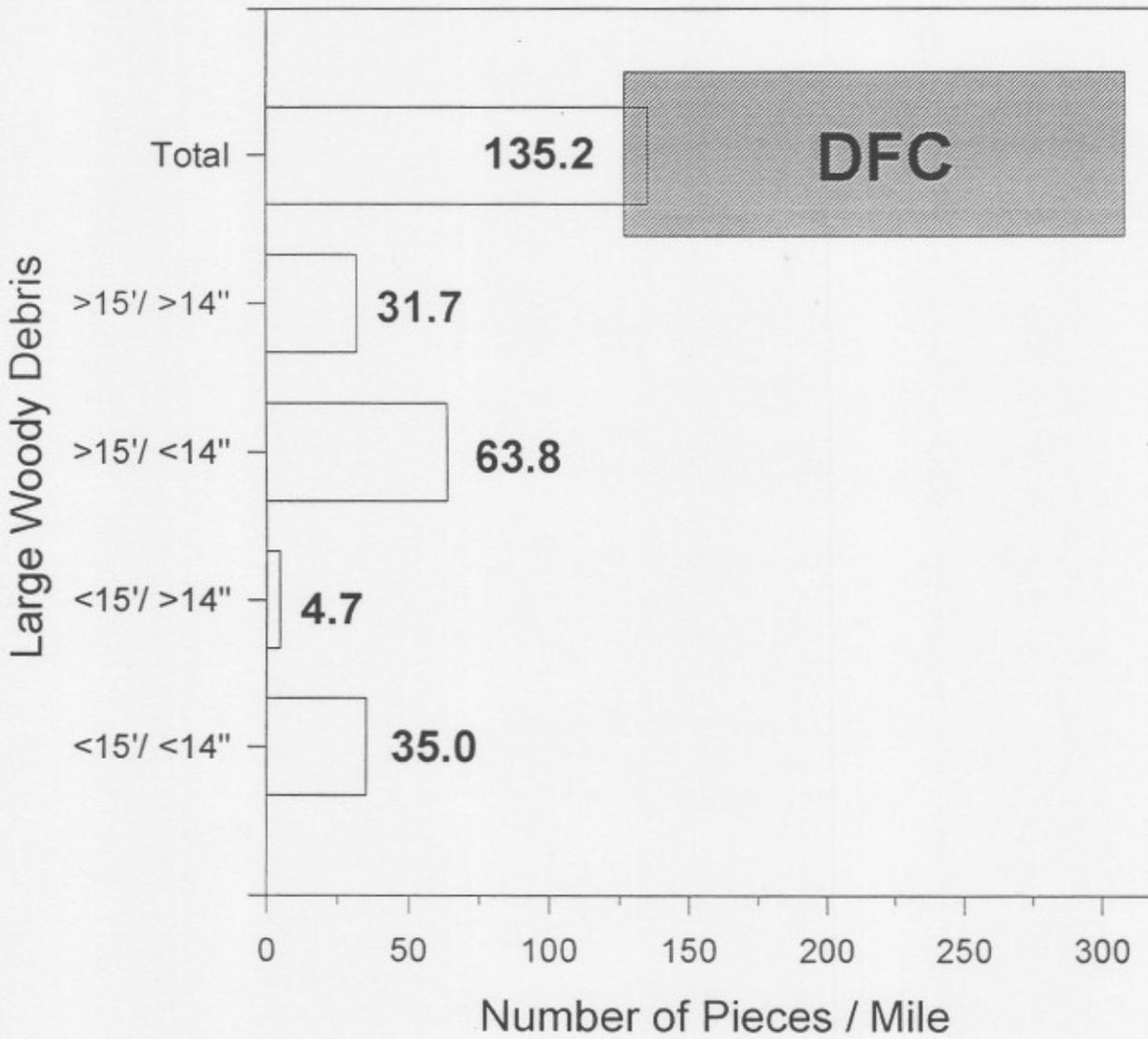
Maximum Riparian Width (Total): 228.0'

Minimum Riparian Width (Total): 46.1'

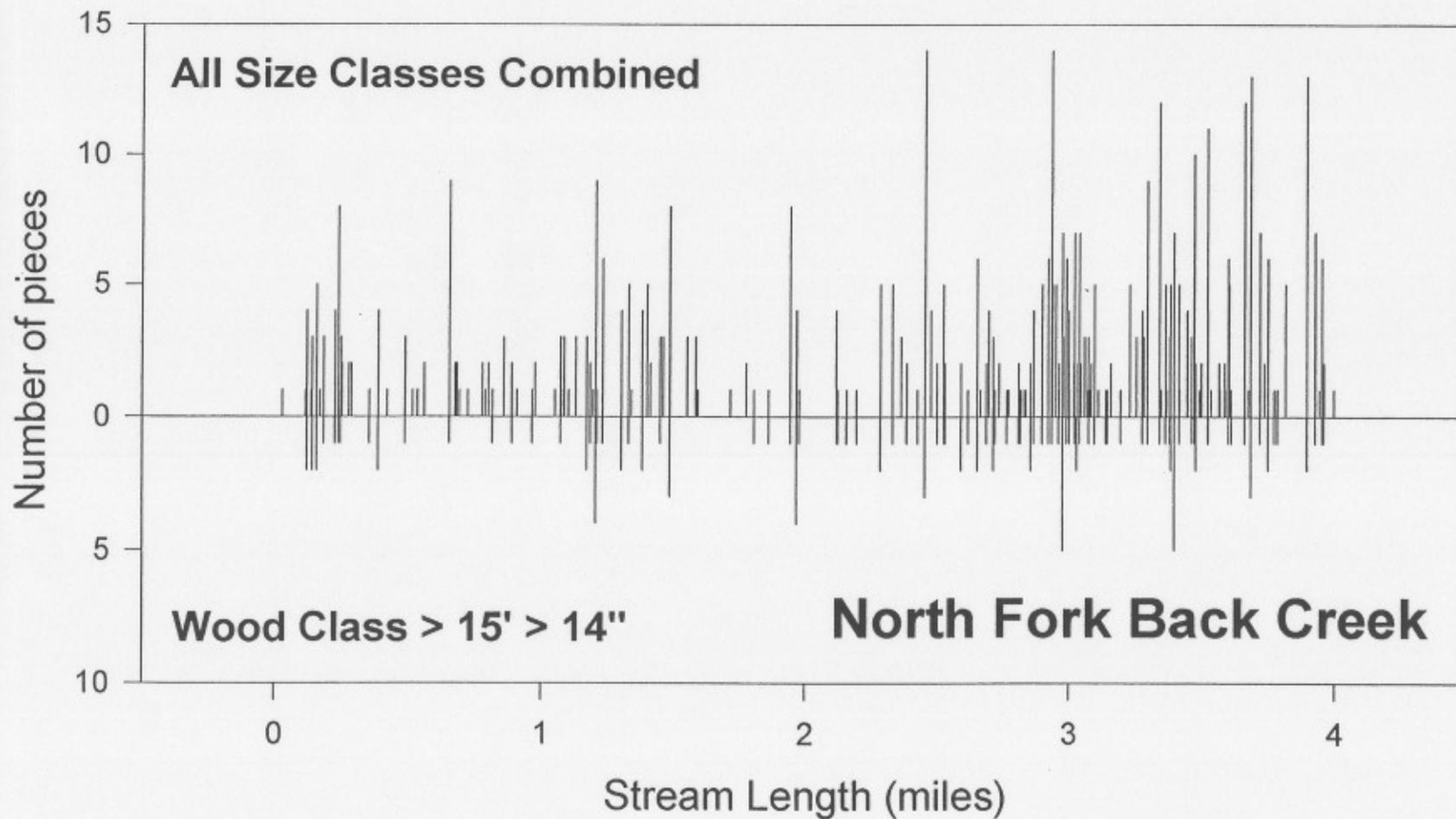
North Fork Back Creek
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



North Fork Back Creek



Large Woody Debris Distribution



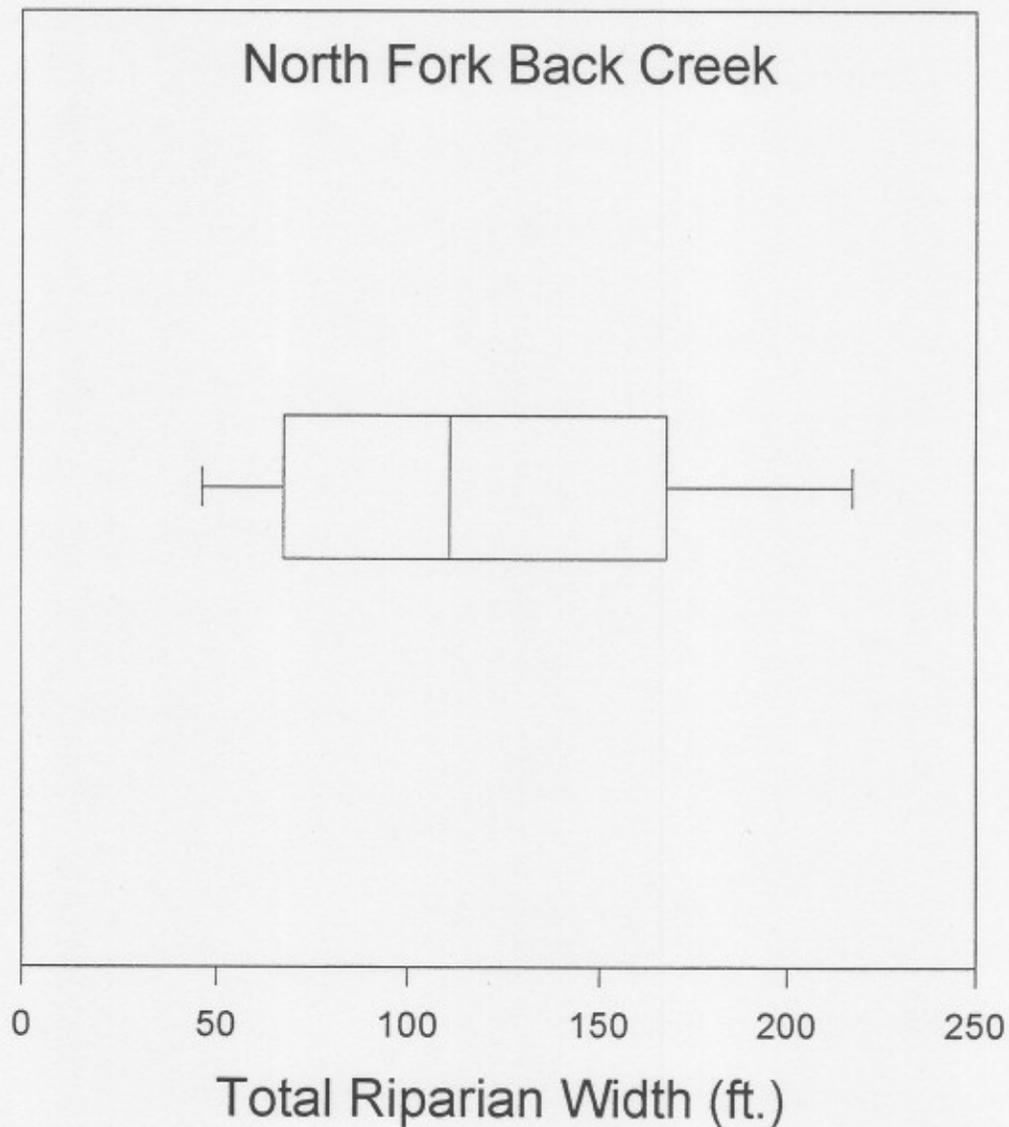
Riparian Width

Stream: North Fork Back Creek

Number of measurements: 9

Mean width: 121.7 Std Dev: 66.8

Max: 228.0 Min: 46.1



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Orebank Creek

District: Pedlar

Quadrangle: Big Levels

Sample Date: 6/7/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 2.1 miles

Percent of Total Area - Pools: 60.3%

Number of Pools: 229

Number of Pools per mile: 109

Total Pool Area: 51940.19 sq. ft. \pm 1961.61

Mean Pool Area: 226.81 sq. ft.

Correction Factor: 1.03

Mean Maximum Depth: 1.3'

Mean Average Depth: 0.8'

Percent of Total Area - Riffles: 39.7%

Number of Riffles: 148

Number of Riffles per mile: 71

Total Riffle Area: 34234.82 sq. ft. \pm 1838.31

Mean Riffle Area: 231.31 sq. ft.

Correction Factor: 0.97

Mean Maximum Depth: 0.6'

Mean Average Depth: 0.3'

Number of Large Woody Debris Pieces per Mile: 180.0

Wood < 15' and < 14": 128.6

Wood < 15' and > 14": 8.1

Wood > 15' and < 14": 42.4

Wood > 15' and > 14": 0.9

Mean Channel Width: 12.7'

Mean Riparian Width: 213.0'

Mean Maximum Riparian Distance (either side): 147.3'

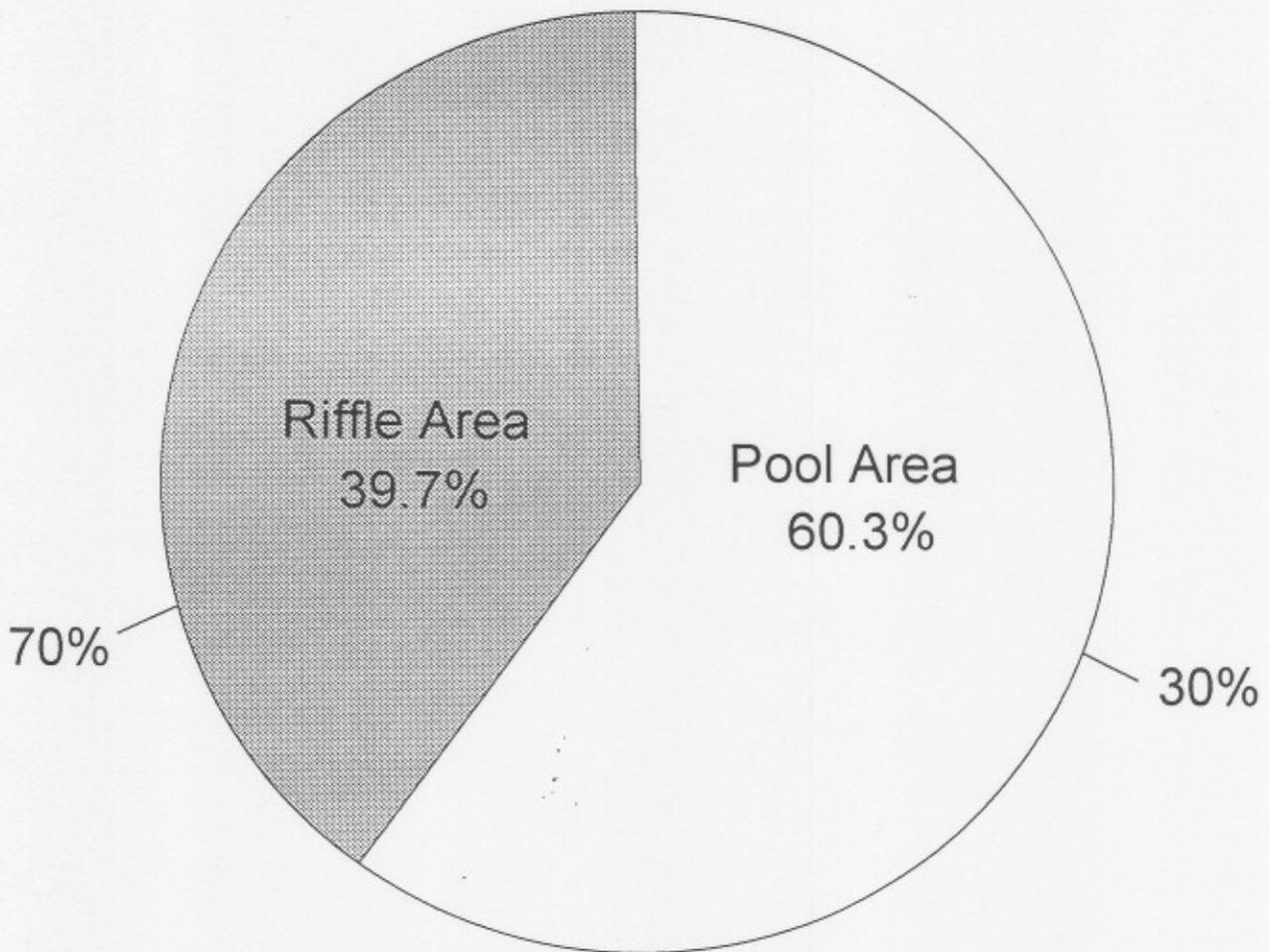
Mean Minimum Riparian Distance (either side): 53.0'

Maximum Riparian Width (Total): 675.6'

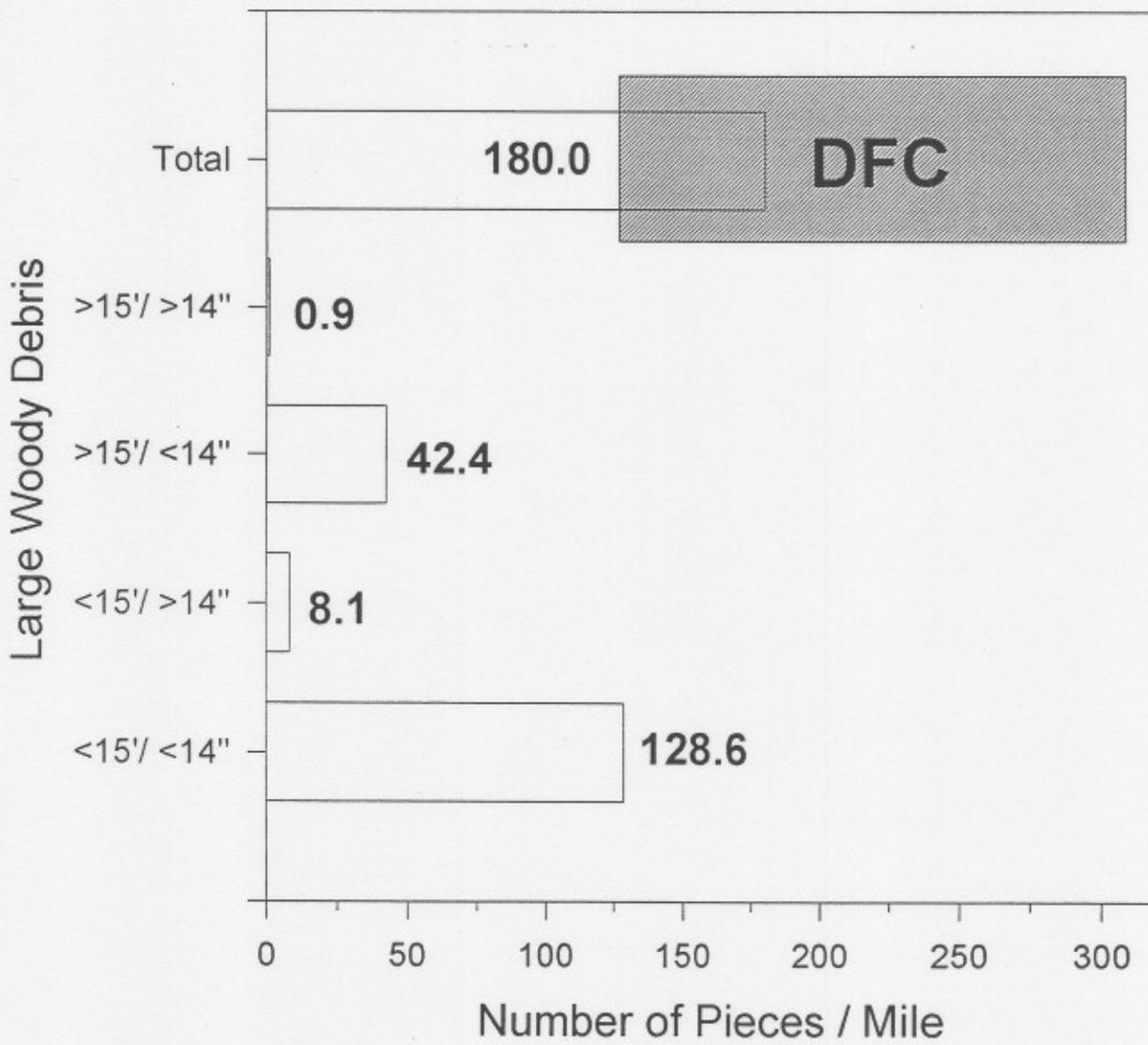
Minimum Riparian Width (Total): 79.5'

Orebank Creek

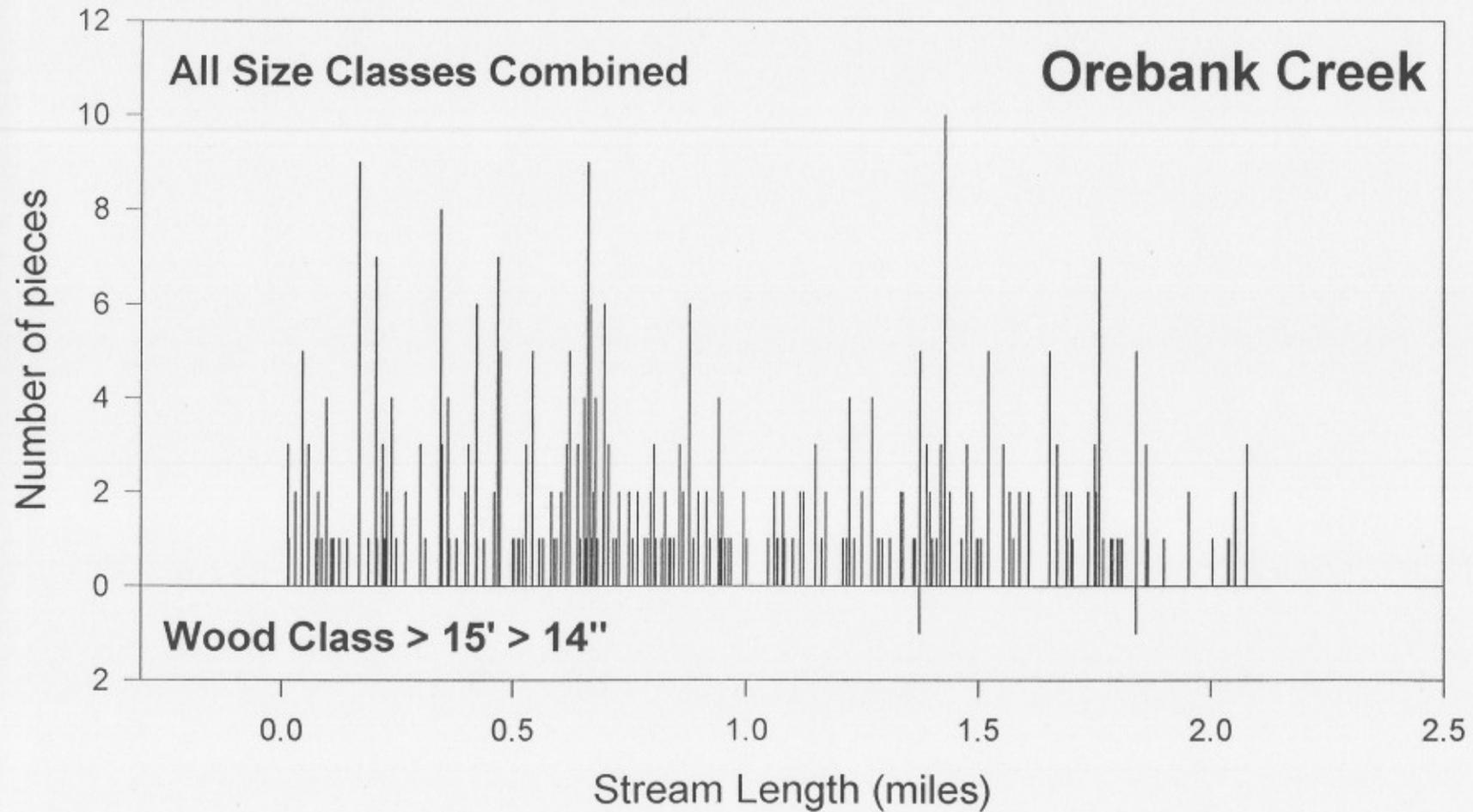
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Orebank Creek



Large Woody Debris Distribution



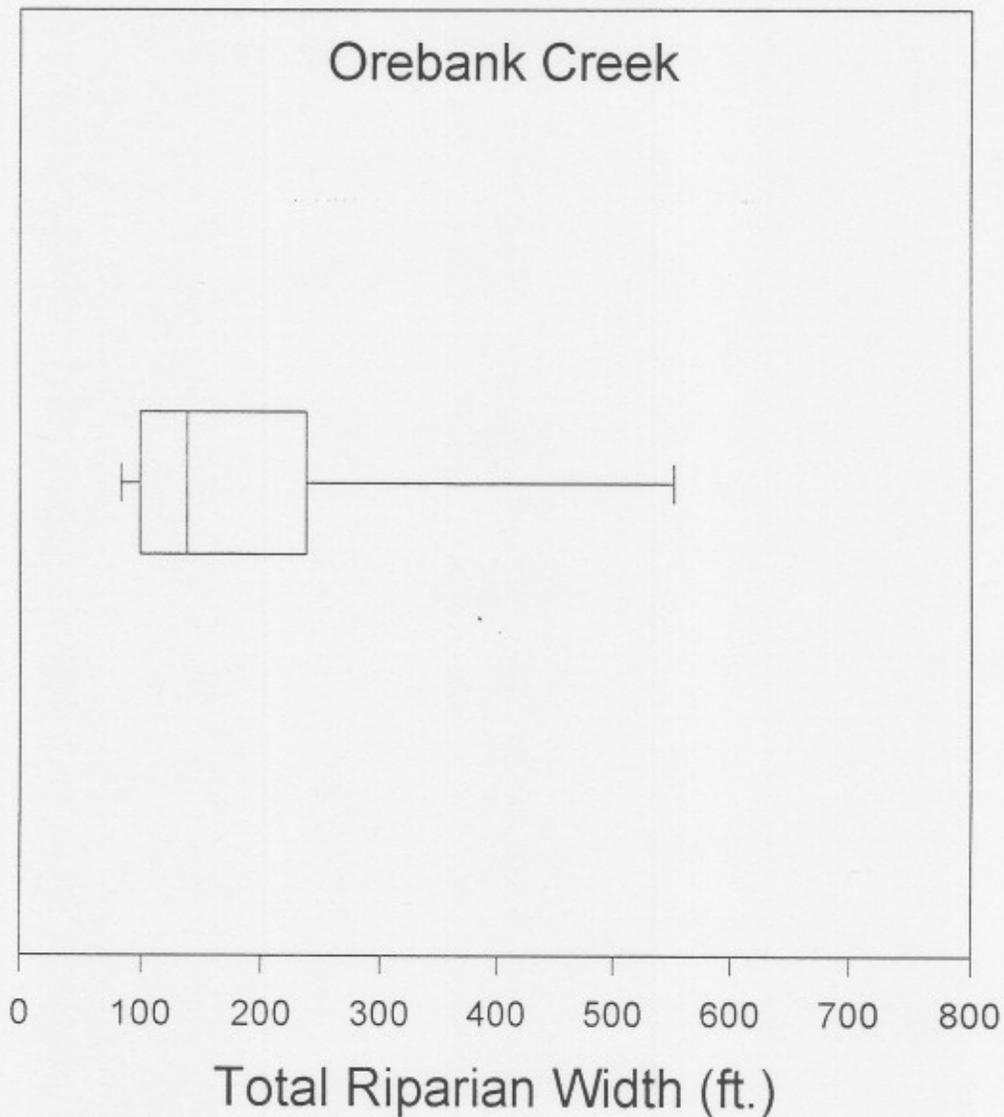
Riparian Width

Stream: Orebank Creek

Number of measurements: 8

Mean width: 213.0 Std Dev: 197.2

Max: 675.6 Min: 79.5



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Stony Run

District: Pedlar

Quadrangle: Big Levels

Sample Date: 5/31/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 1.38 miles

Percent of Total Area - Pools: 22.7%

Number of Pools: 130

Number of Pools per mile: 94

Total Pool Area: 11552.78 sq. ft. \pm 1478.44

Mean Pool Area: 88.87 sq. ft.

Correction Factor: 1.02

Mean Maximum Depth: 1.0'

Mean Average Depth: 0.7'

Percent of Total Area - Riffles: 77.3%

Number of Riffles: 107

Number of Riffles per mile: 78

Total Riffle Area: 39304.26 sq. ft. \pm 4145.80

Mean Riffle Area: 367.33 sq. ft.

Correction Factor: 1.02

Mean Maximum Depth: 0.5'

Mean Average Depth: 0.3'

Number of Large Woody Debris Pieces per Mile: 63.8

Wood < 15' and < 14": 31.9

Wood < 15' and > 14": 2.9

Wood > 15' and < 14": 23.9

Wood > 15' and > 14": 5.1

Mean Channel Width: 13.5'

Mean Riparian Width: 73.6'

Mean Maximum Riparian Distance (either side): 46.0'

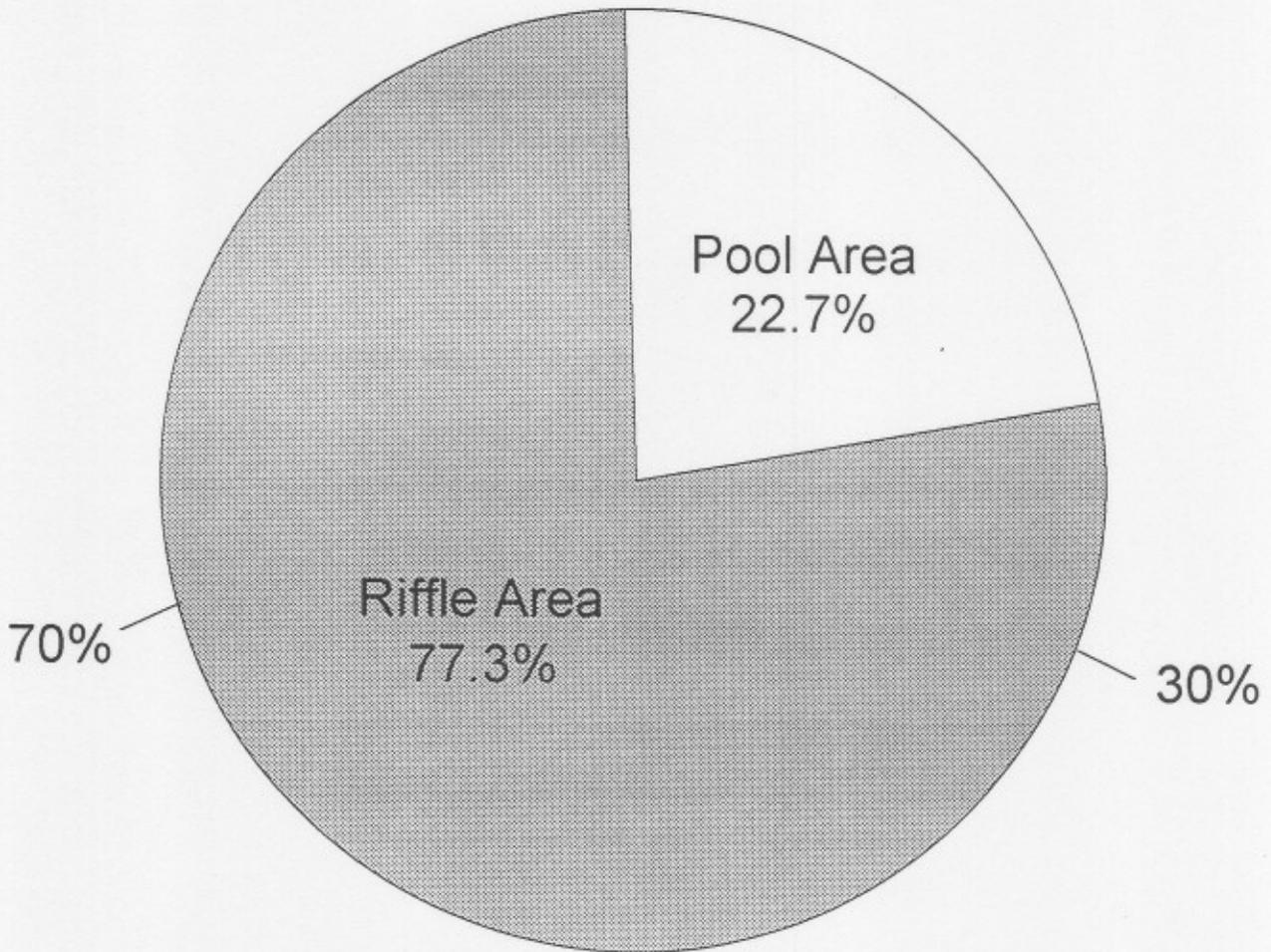
Mean Minimum Riparian Distance (either side): 14.1'

Maximum Riparian Width (Total): 194.9'

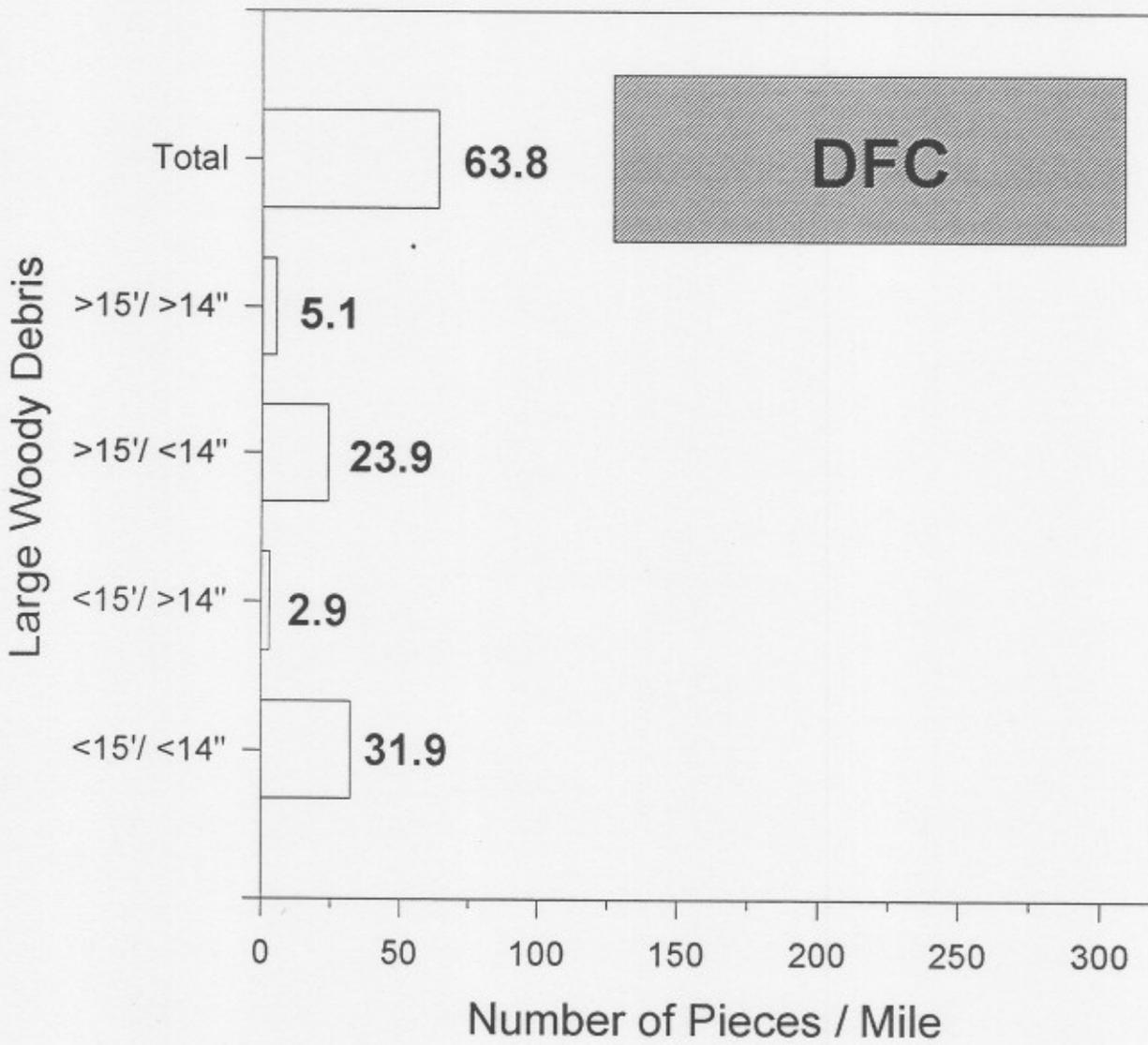
Minimum Riparian Width (Total): 25.0'

Stony Run

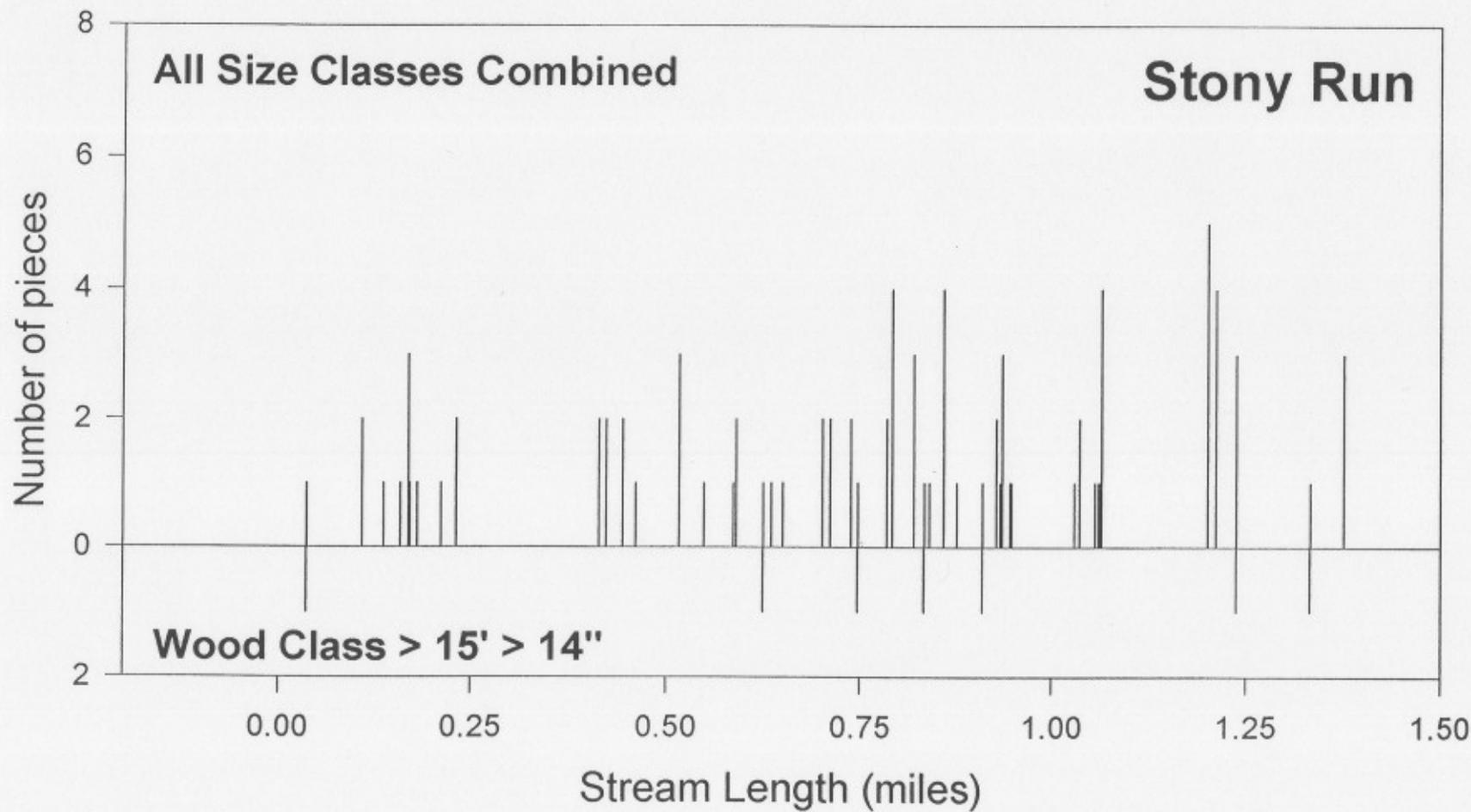
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Stony Run



Large Woody Debris Distribution



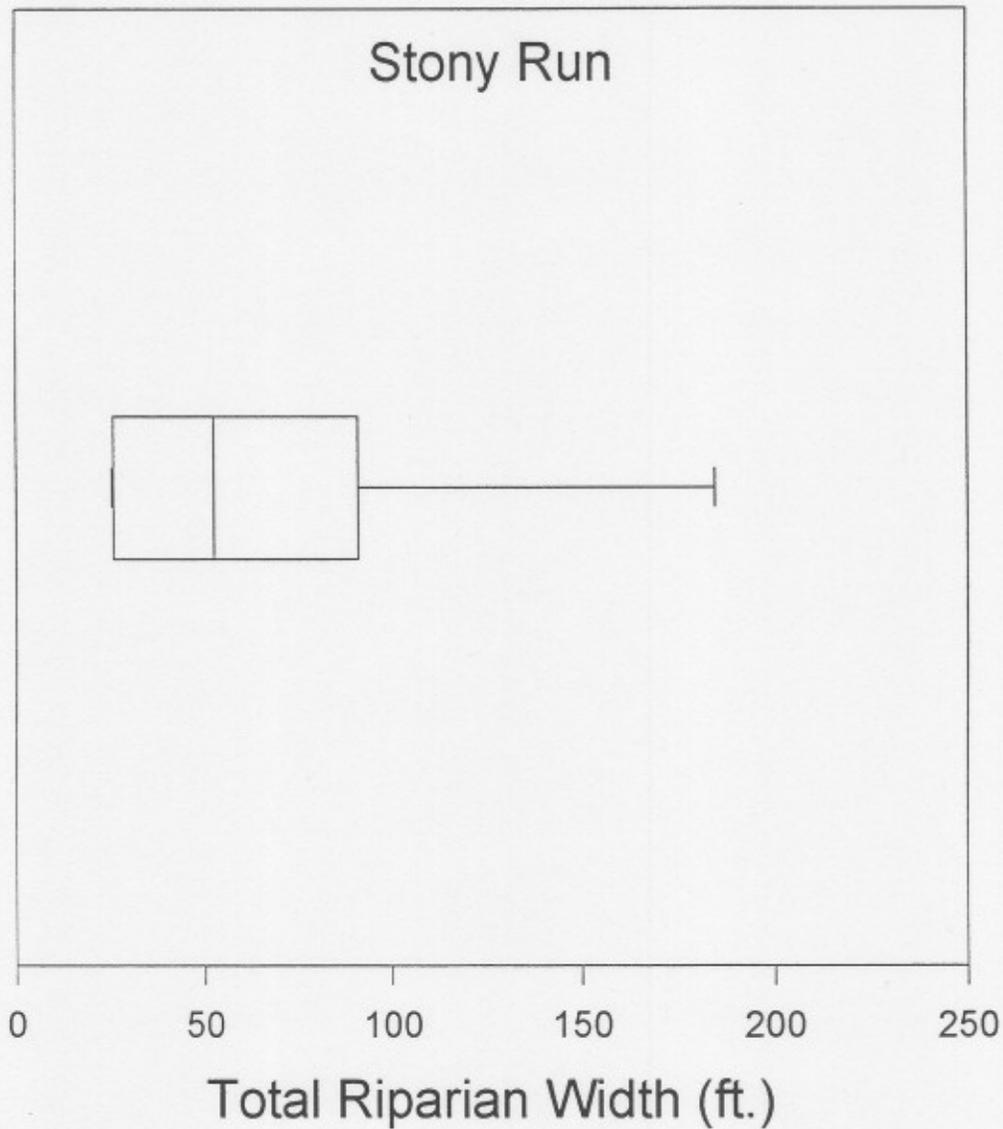
Riparian Width

Stream: Stony Run

Number of measurements: 6

Mean width: 73.6 Std Dev: 64.2

Max: 194.9 Min: 25.0



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Upper St. Marys Creek

District: Pedlar

Quadrangle: Big Levels

Sample Date: 7/9/89

Downstream Starting Point: 1.2 mi. above lower start point

Total Distance Surveyed: 2.0 miles

Percent of Total Area - Pools: 61.9%

Number of Pools: 297

Number of Pools per mile: 149

Total Pool Area: 26286.74 ± 1128.33 sq. ft.

Mean Pool Area: 88.5 sq. ft.

Correction Factor: 1.00

Mean Maximum Depth: 1.3'

Mean Average Depth: 1.0'

Percent of Total Area - Riffles: 38.1%

Number of Riffles: 154

Number of Riffles per mile: 77

Total Riffle Area: 16165.41 ± 423.26 sq. ft.

Mean Riffle Area: 104.97 sq. ft.

Correction Factor: 0.94

Mean Maximum Depth: 0.7'

Mean Average Depth: 0.5'

Number of Large Woody Debris Pieces per Mile: 96.0

Wood < 15' and < 14": 84.0

Wood < 15' and > 14": 3.5

Wood > 15' and < 14": 8.5

Wood > 15' and > 14": 0.0

Mean Channel Width: Not Measured

Mean Riparian Width: Not Measured

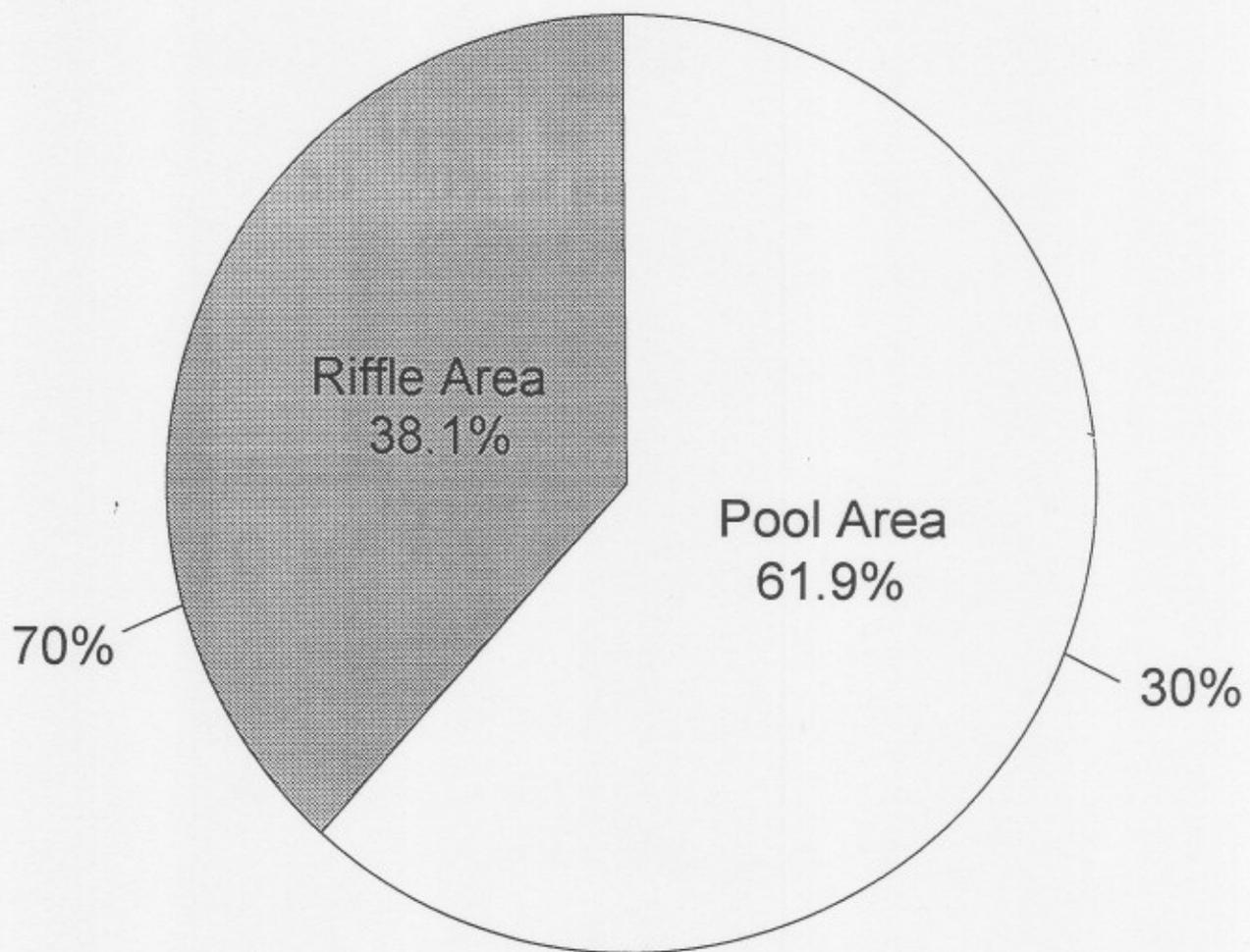
Mean Maximum Riparian Distance : Not Measured

Mean Minimum Riparian Distance : Not Measured

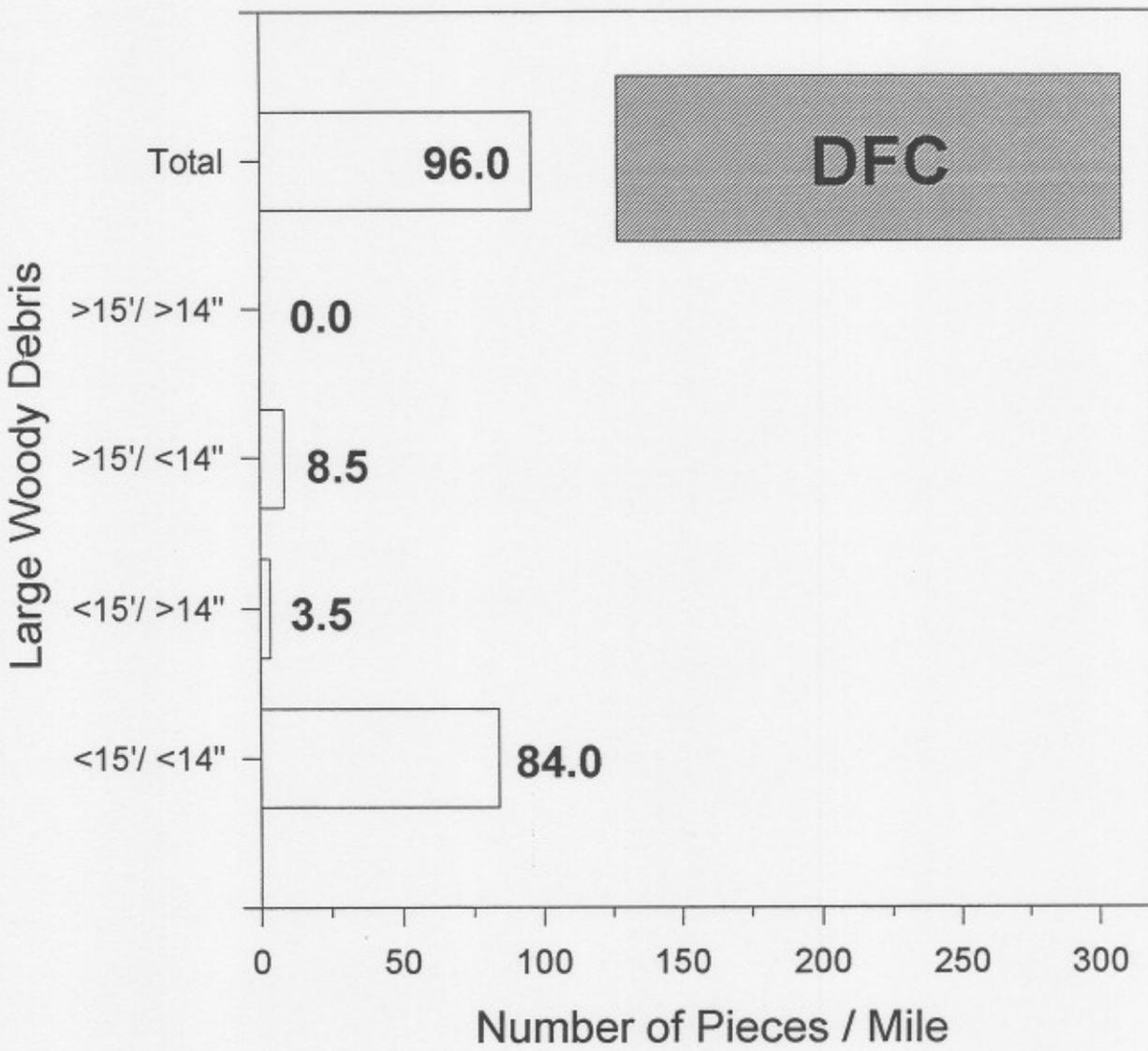
Maximum Riparian Width (Total): Not Measured

Minimum Riparian Width (Total): Not Measured

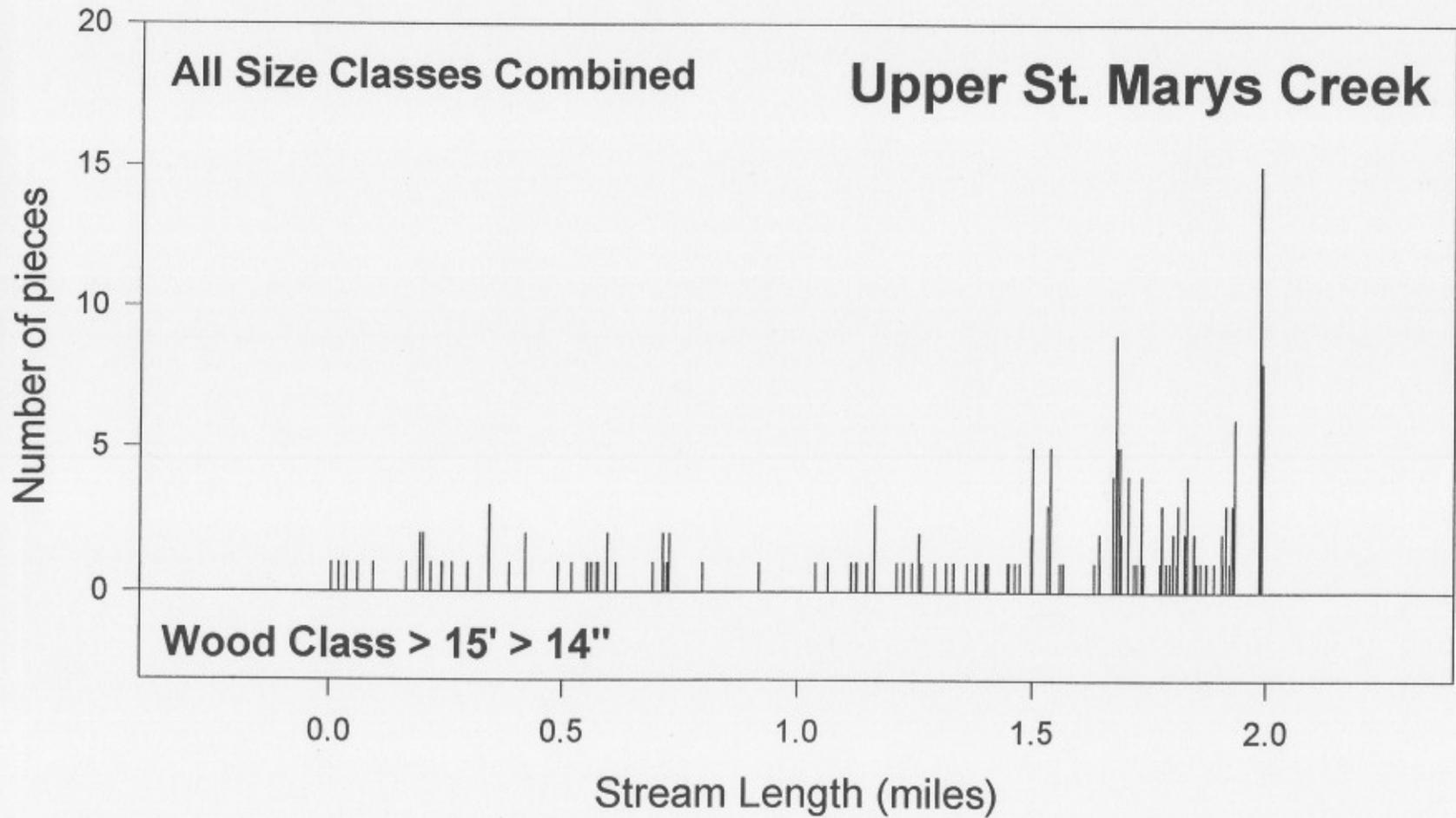
Upper St. Marys Creek
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Upper St. Marys Creek



Large Woody Debris Distribution



Buena Vista Quadrangle

Stream: Browns Creek

District: Pedlar

Quadrangle: Buena Vista

Sample Date: 5/26/95

Downstream Starting Point:

Total Distance Surveyed: 4.7 miles

Percent of Total Area - Pools: 46.6%

Number of Pools: 361

Number of Pools per mile: 75

Total Pool Area: 162334.87 sq. ft. \pm 8473.33

Mean Pool Area: 449.7 sq. ft.

Correction Factor: 1.02

Mean Maximum Depth: 1.4'

Mean Average Depth: 0.9'

Percent of Total Area - Riffles: 53.4%

Number of Riffles: 284

Number of Riffles per mile: 60

Total Riffle Area: 186200.83 sq. ft. \pm 11459.59

Mean Riffle Area: 655.6 sq. ft.

Correction Factor: 0.96

Mean Maximum Depth: 0.8'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 106.8

Wood < 15' and < 14": 37.3

Wood < 15' and > 14": 8.9

Wood > 15' and < 14": 45.6

Wood > 15' and > 14": 15.0

Mean Channel Width: 22.3'

Mean Riparian Width: 153.6'

Mean Maximum Riparian Distance (either side): 88.9'

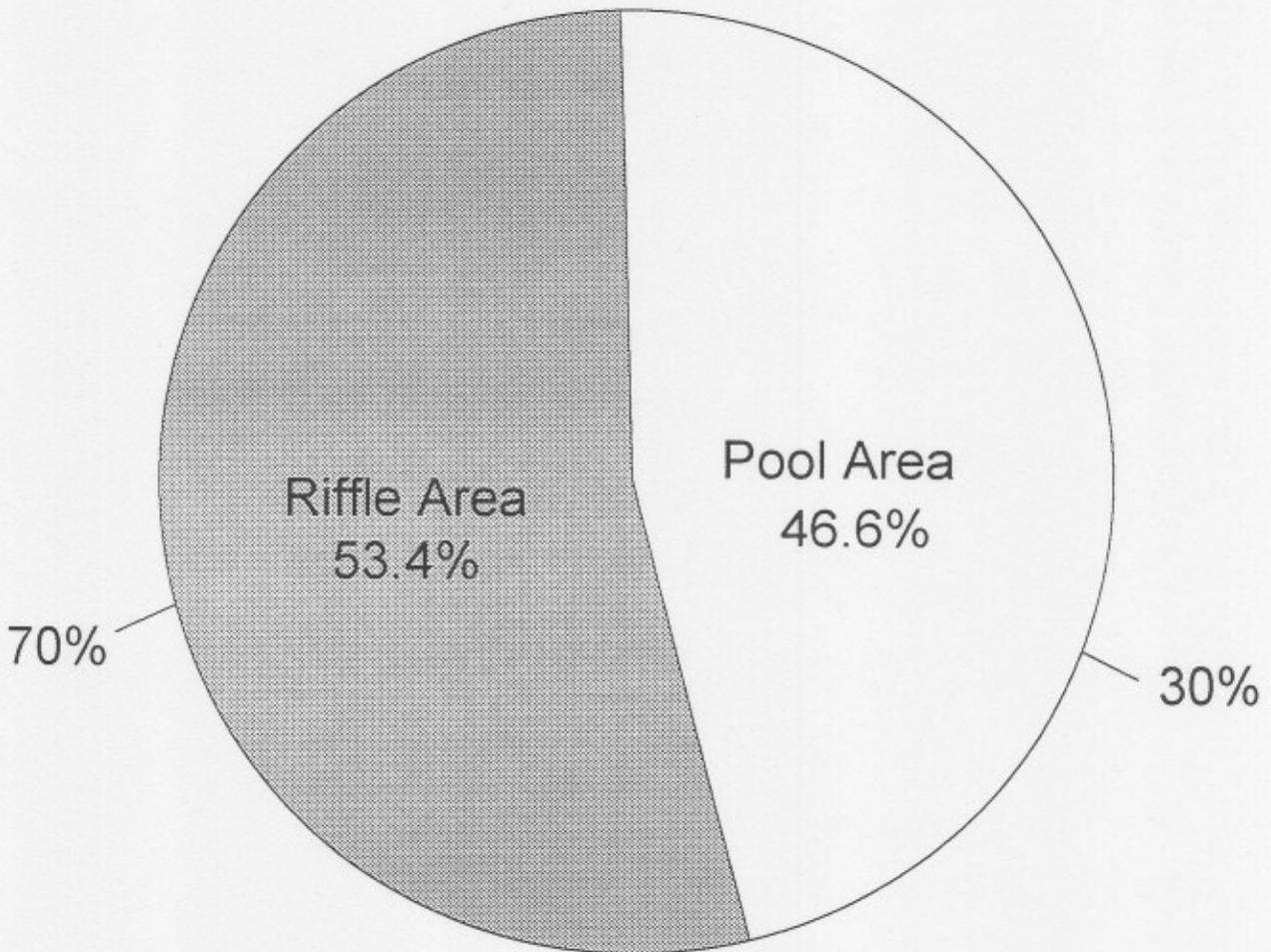
Mean Minimum Riparian Distance (either side): 33.2'

Maximum Riparian Width (Total): 505.0'

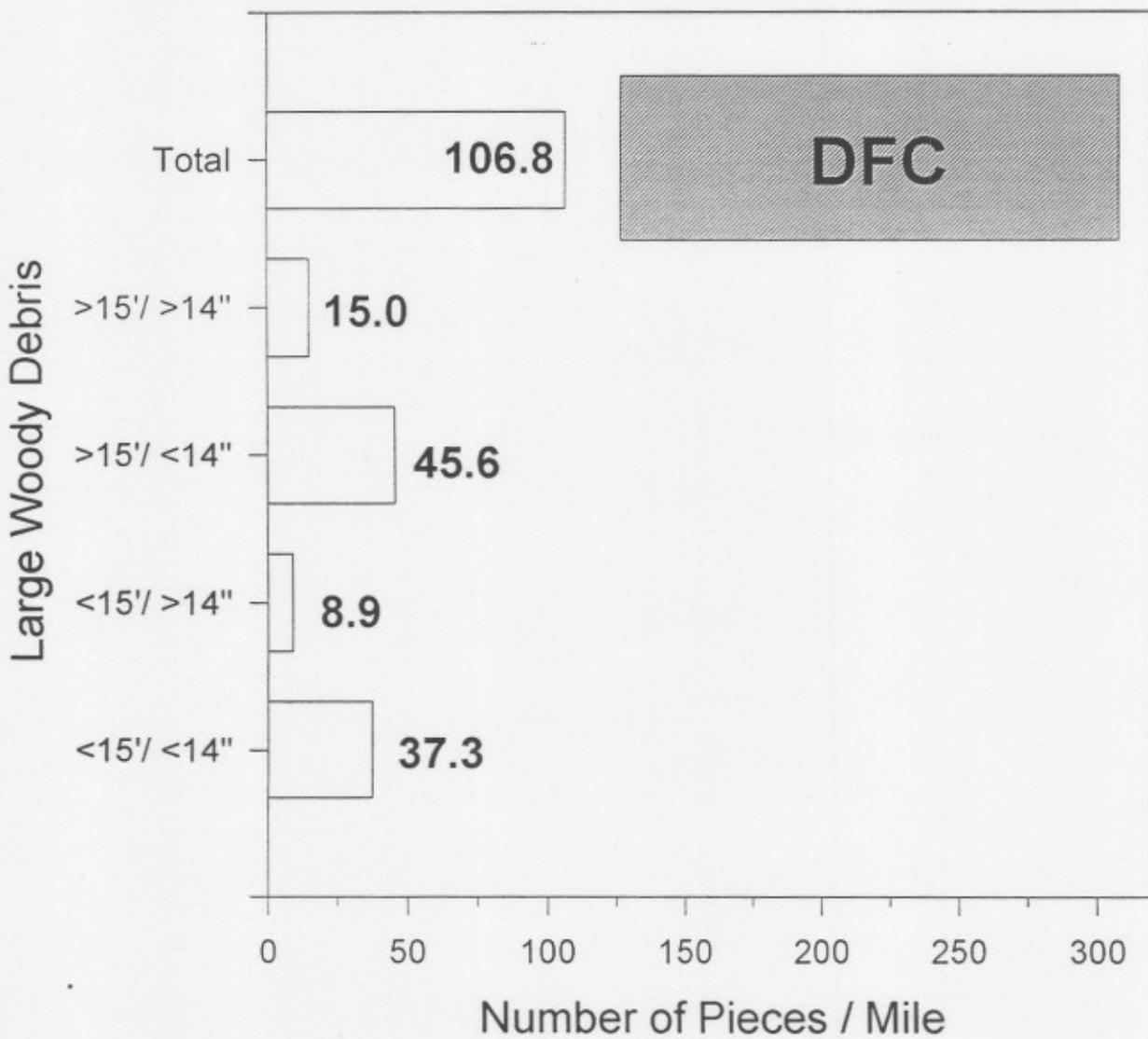
Minimum Riparian Width (Total): 47.5'

Browns Creek

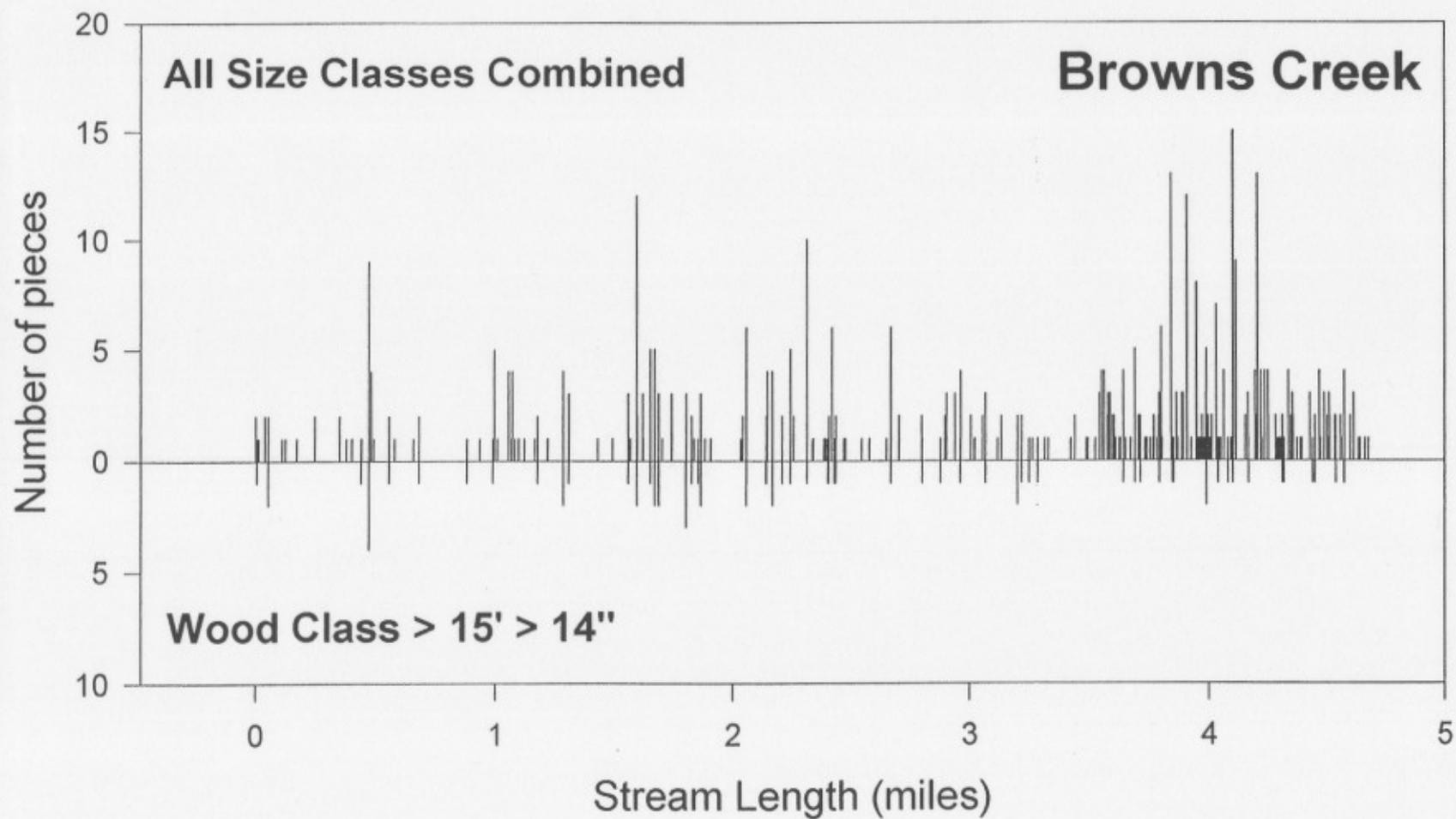
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Browns Creek



Large Woody Debris Distribution



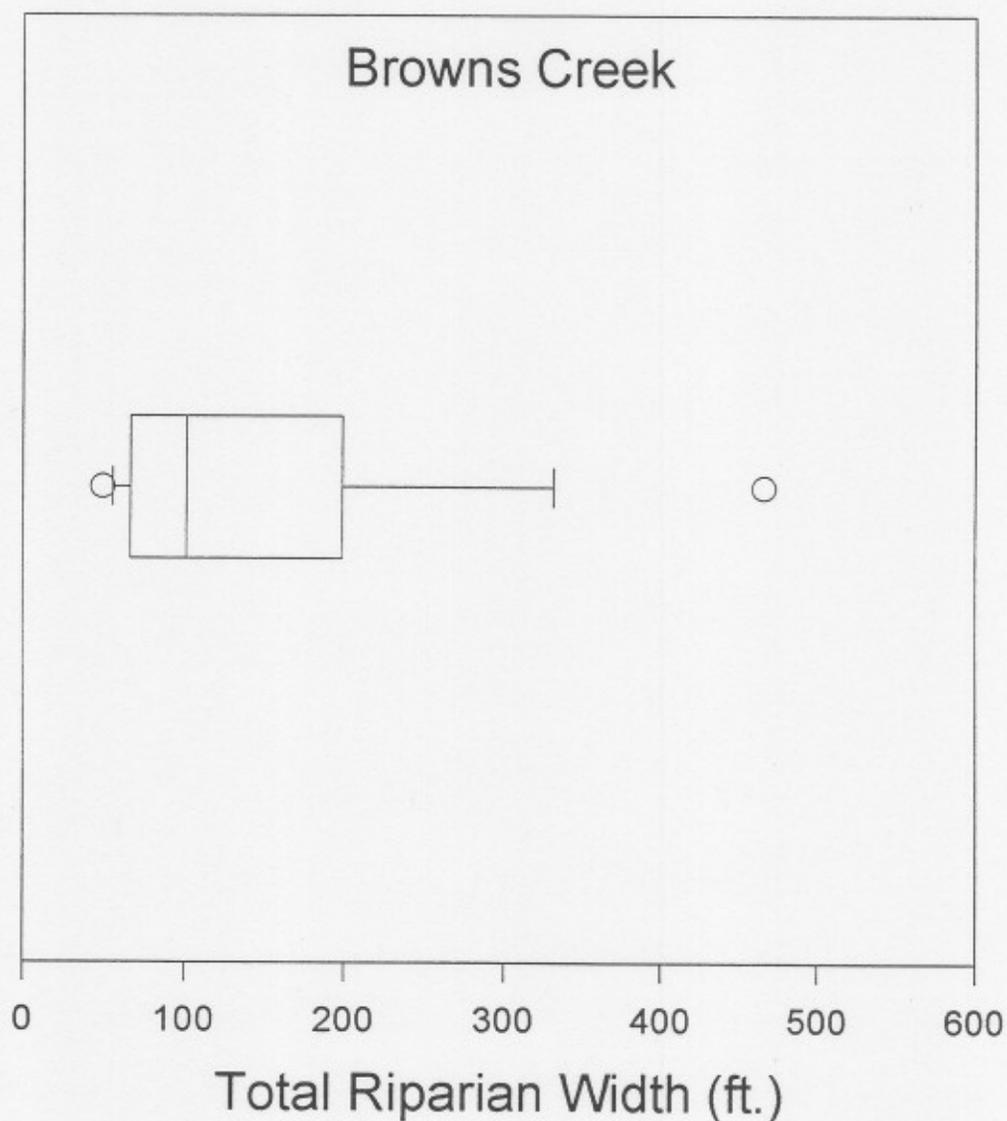
Riparian Width

Stream: Browns Creek

Number of measurements: 14

Mean width: 153.6 Std Dev: 126.4

Max: 505.0 Min: 47.5



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Brown Mountain Creek

District: Pedlar

Quadrangle: Buena Vista

Sample Date: 8/2/95

Downstream Starting Point:

Total Distance Surveyed: 2.86 miles

Percent of Total Area - Pools: 18.0%

Number of Pools: 162

Number of Pools per mile: 57

Total Pool Area: 34951.37 sq. ft. \pm 1606.649

Mean Pool Area: 215.75 sq. ft.

Correction Factor: 0.98

Mean Maximum Depth: 1.7'

Mean Average Depth: 1.2'

Percent of Total Area - Riffles: 82.0%

Number of Riffles: 148

Number of Riffles per mile: 52

Total Riffle Area: 158834.94 sq. ft. \pm 7898.23

Mean Riffle Area: 1073.21 sq. ft.

Correction Factor: 0.98

Mean Maximum Depth: 1.0'

Mean Average Depth: 0.5'

Number of Large Woody Debris Pieces per Mile: 134.5

Wood < 15' and < 14": 60.1

Wood < 15' and > 14": 8.7

Wood > 15' and < 14": 45.8

Wood > 15' and > 14": 19.9

Mean Channel Width: 21.9'

Mean Riparian Width: 70.0'

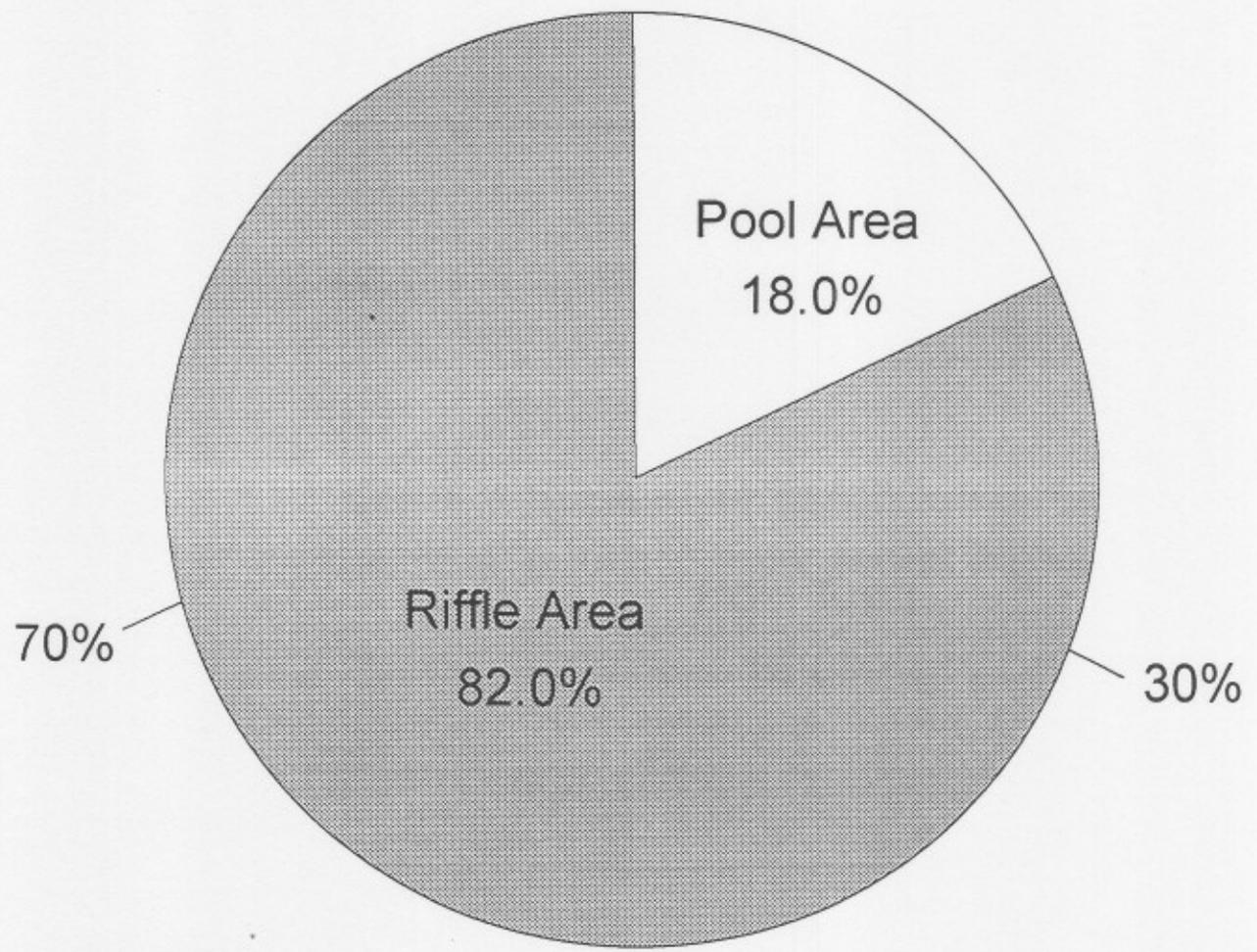
Mean Maximum Riparian Distance (either side): 34.3'

Mean Minimum Riparian Distance (either side): 13.8'

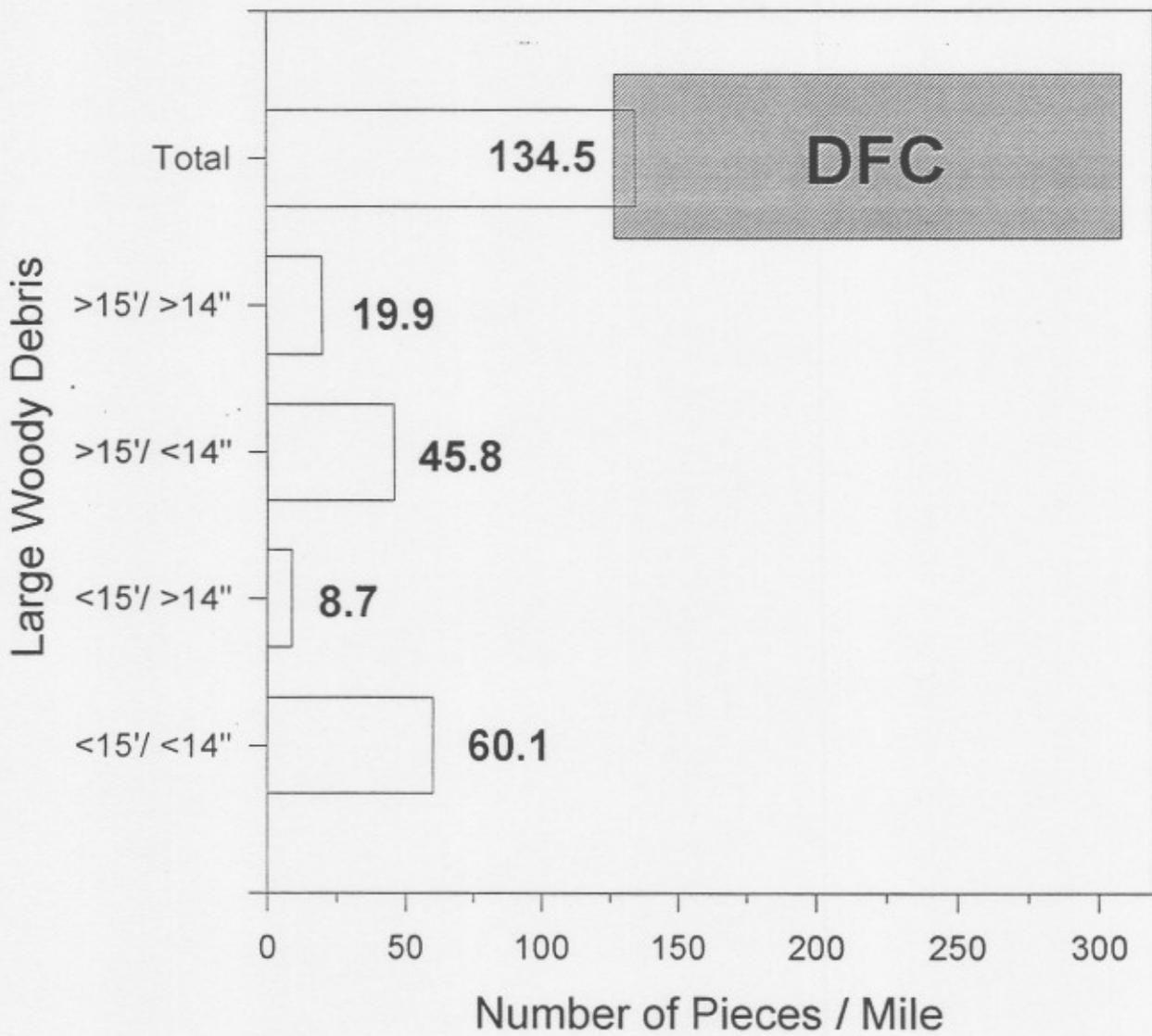
Maximum Riparian Width (Total): 129.9'

Minimum Riparian Width (Total): 34.2'

Brown Mountain Creek
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Brown Mountain Creek



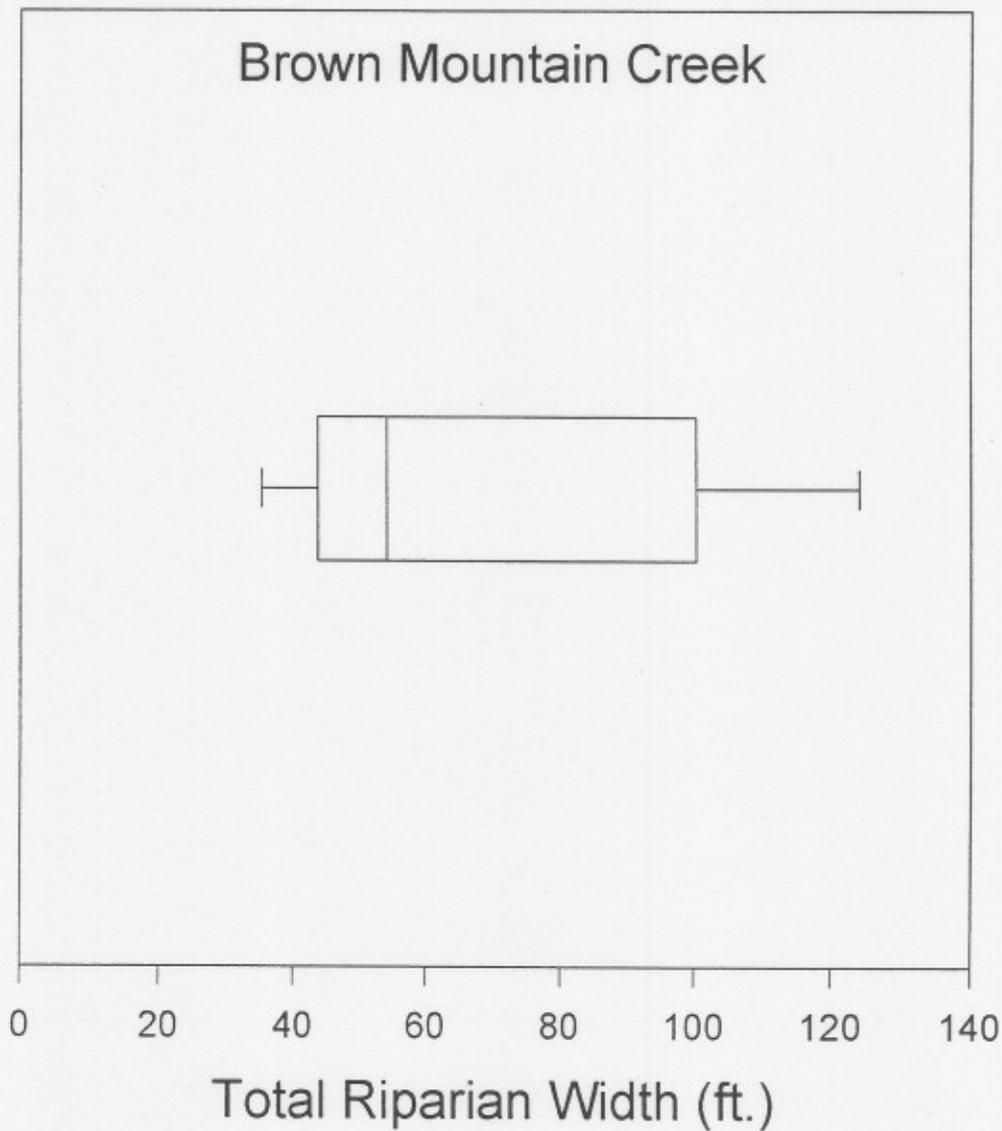
Riparian Width

Stream: Brown Mountain Creek

Number of measurements: 8

Mean width: 70.0 Std Dev: 35.6

Max: 129.9 Min: 34.2



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Davis Mill Creek

District: Pedlar

Quadrangle: Buena Vista

Sample Date: 9/7/95

Downstream Starting Point: confluence with Pedlar River

Total Distance Surveyed: 1.48 miles

Percent of Total Area - Pools: 25.4%

Number of Pools: 161

Number of Pools per mile: 109

Total Pool Area: 26000.55 sq. ft. \pm 2129.25

Mean Pool Area: 161.49 sq. ft.

Correction Factor: 1.00

Mean Maximum Depth: 1.3'

Mean Average Depth: 0.9'

Percent of Total Area - Riffles: 74.6%

Number of Riffles: 130

Number of Riffles per mile: 88

Total Riffle Area: 76520.97 sq. ft. \pm 2681.68

Mean Riffle Area: 588.62 sq. ft.

Correction Factor: 1.12

Mean Maximum Depth: 0.8'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 160.0

Wood < 15' and < 14": 90.5

Wood < 15' and > 14": 4.0

Wood > 15' and < 14": 52.0

Wood > 15' and > 14": 13.5

Mean Channel Width: 19.4'

Mean Riparian Width: 137.9'

Mean Maximum Riparian Distance (either side): 94.0'

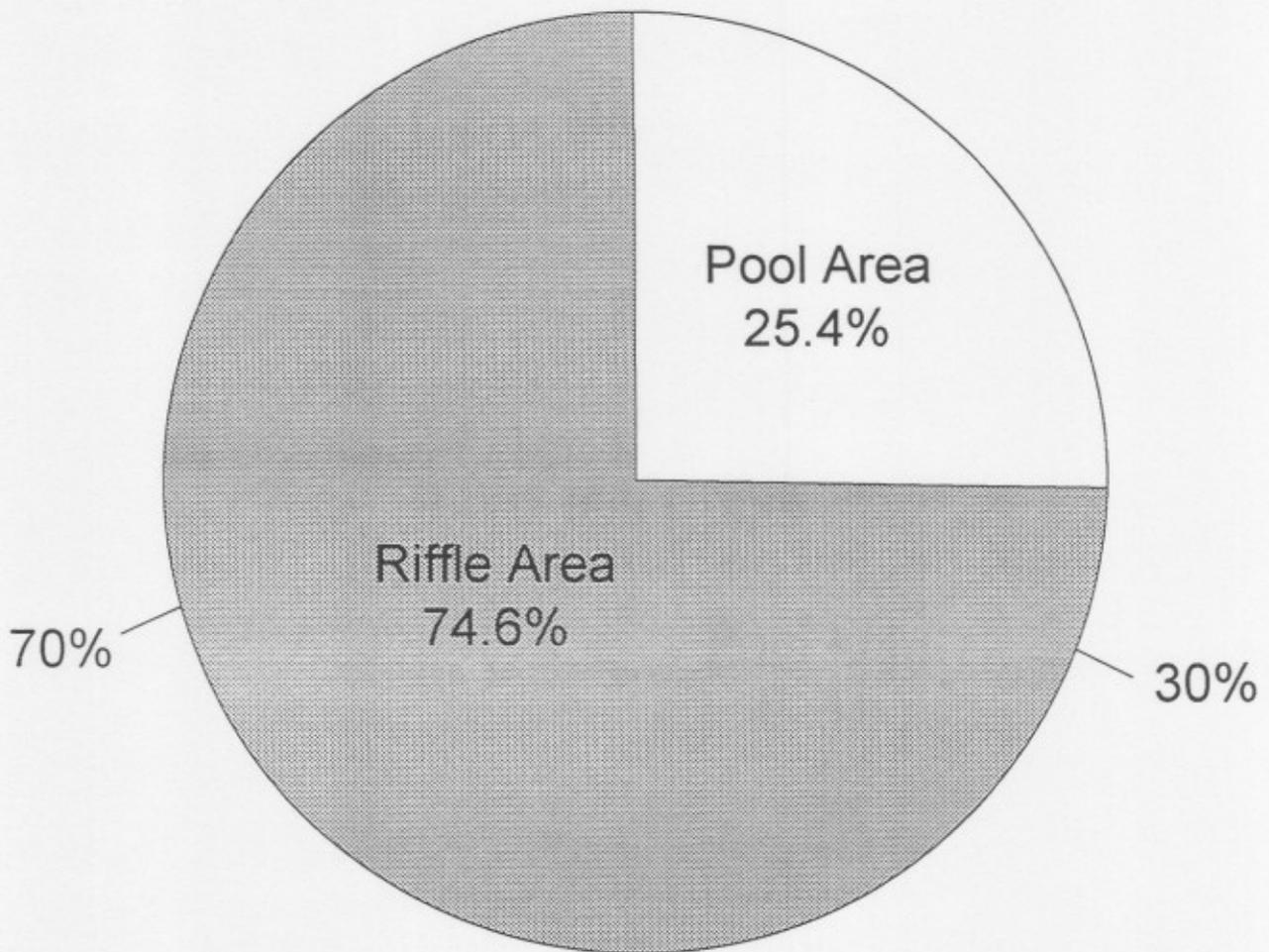
Mean Minimum Riparian Distance (either side): 24.5'

Maximum Riparian Width (Total): 218.0'

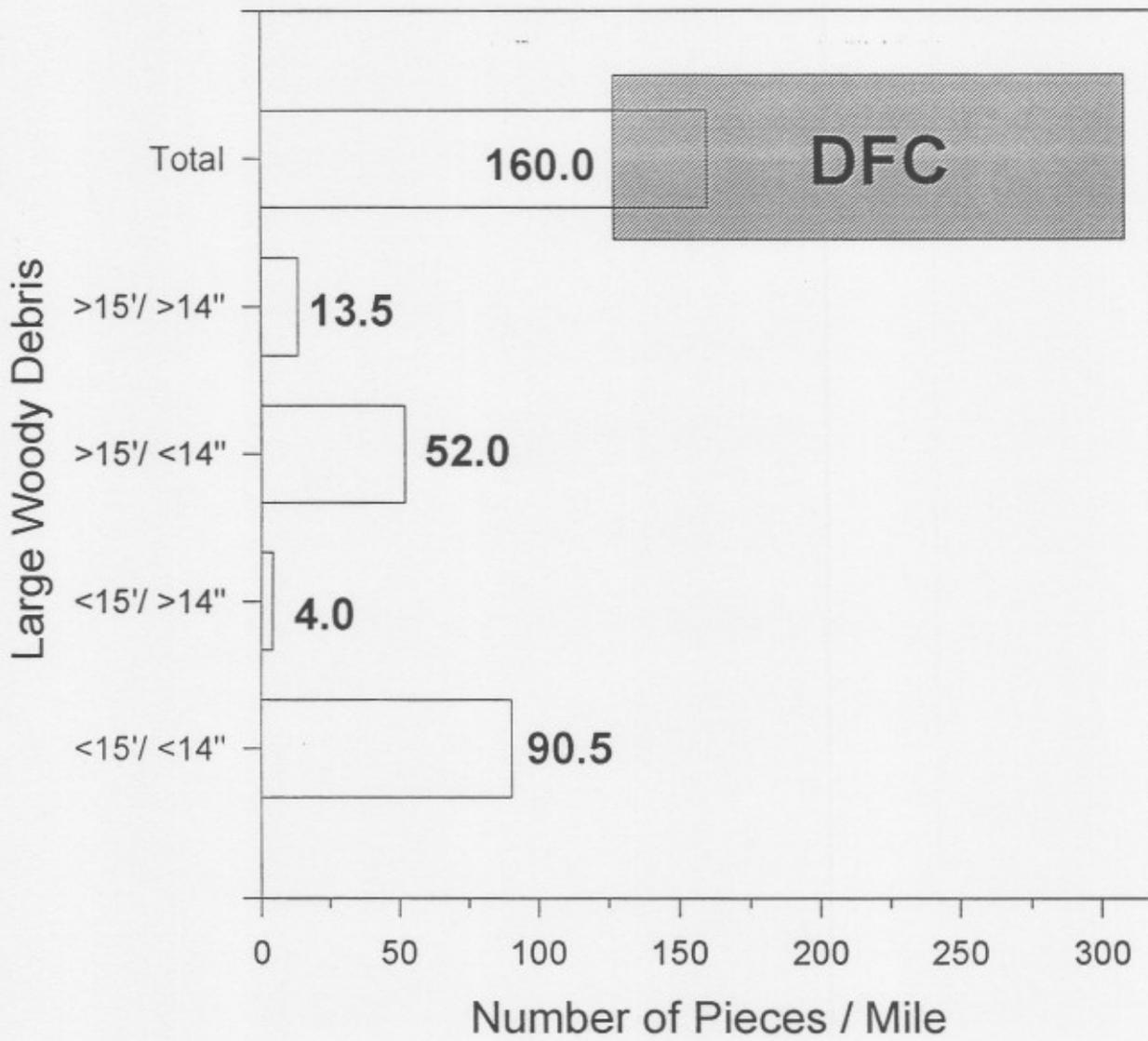
Minimum Riparian Width (Total): 80.3'

Davis Mill Creek

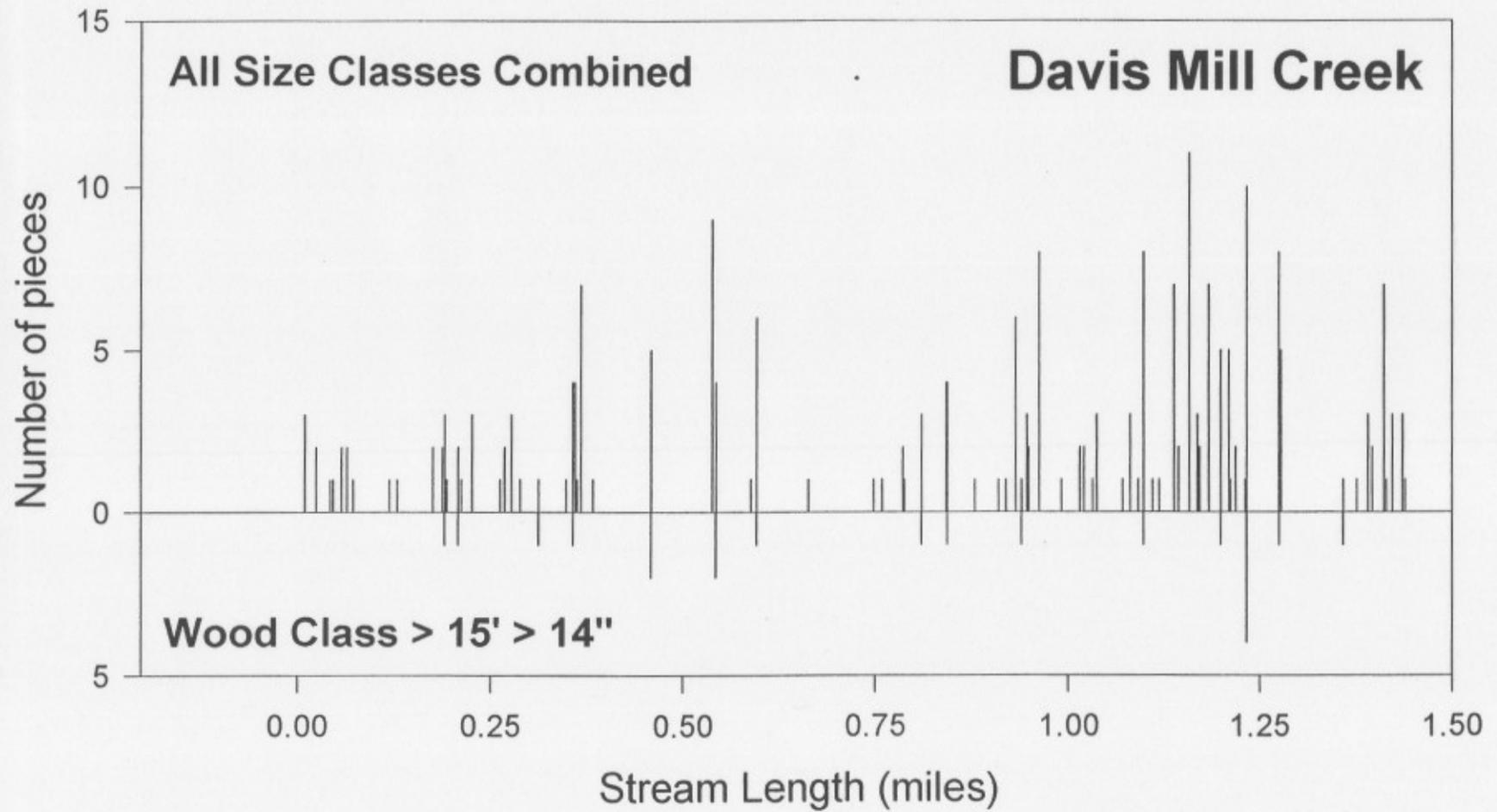
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Davis Mill Creek



Large Woody Debris Distribution



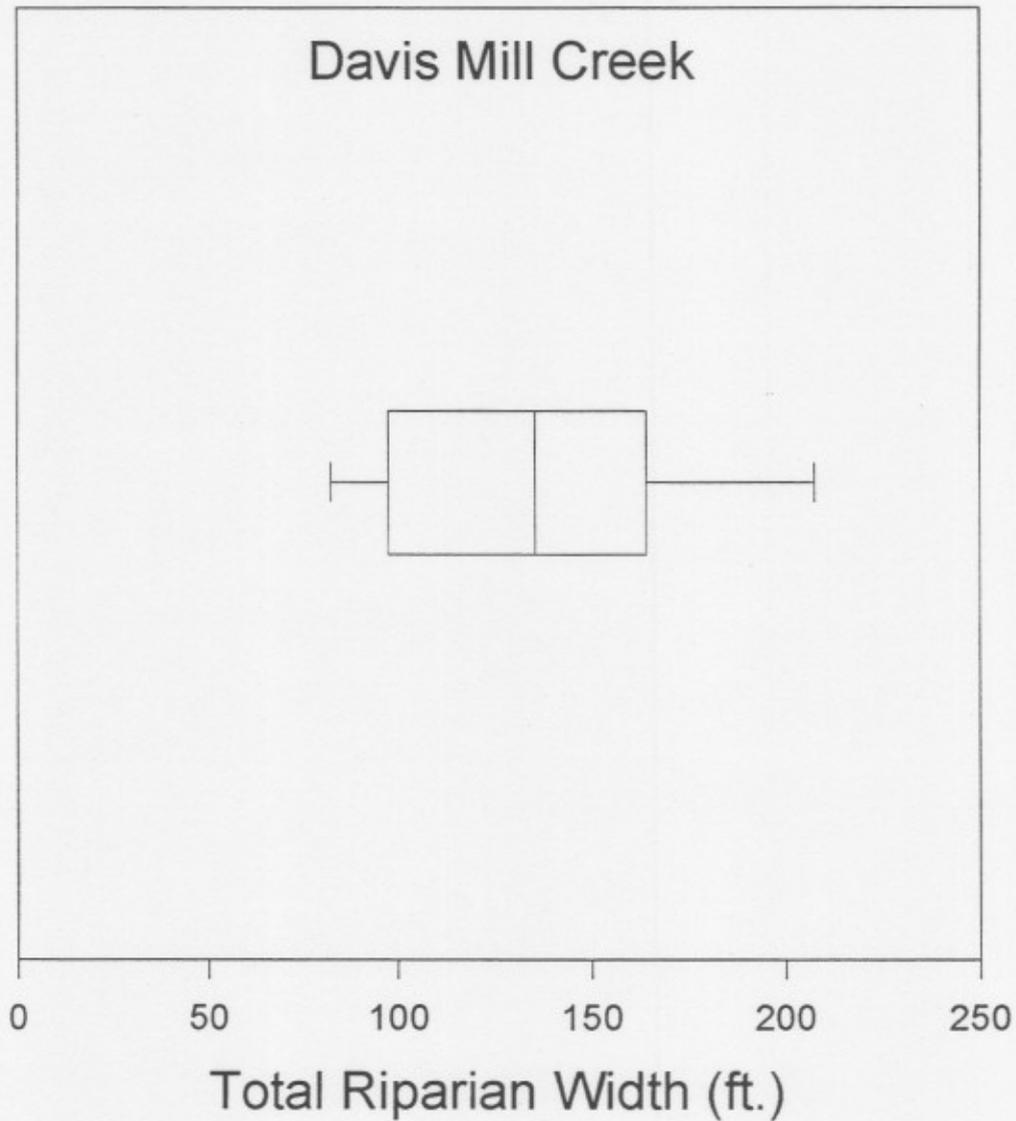
Riparian Width

Stream: Davis Mill Creek

Number of measurements: 7

Mean width: 137.9 Std Dev: 47.5

Max: 218.0 Min: 80.3



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Enchanted Creek

District: Pedlar

Quadrangle: Buena Vista

Sample Date: 5/22/95

Downstream Starting Point: confluence with Pedlar River

Total Distance Surveyed: 2.52 miles

Percent of Total Area - Pools: 35.4%

Number of Pools: 286

Number of Pools per mile: 114

Total Pool Area: 51094.68 sq. ft. \pm 3475.00

Mean Pool Area: 178.65 sq. ft.

Correction Factor: 1.09

Mean Maximum Depth: 1.2'

Mean Average Depth: 0.8'

Percent of Total Area - Riffles: 64.6%

Number of Riffles: 239

Number of Riffles per mile: 95

Total Riffle Area: 93393.73 sq. ft. \pm 8265.88

Mean Riffle Area: 390.77 sq. ft.

Correction Factor: 0.98

Mean Maximum Depth: 0.7'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 238.1

Wood < 15' and < 14": 131.0

Wood < 15' and > 14": 21.4

Wood > 15' and < 14": 73.4

Wood > 15' and > 14": 12.3

Mean Channel Width: 19.3'

Mean Riparian Width: 64.9'

Mean Maximum Riparian Distance (either side): 34.4'

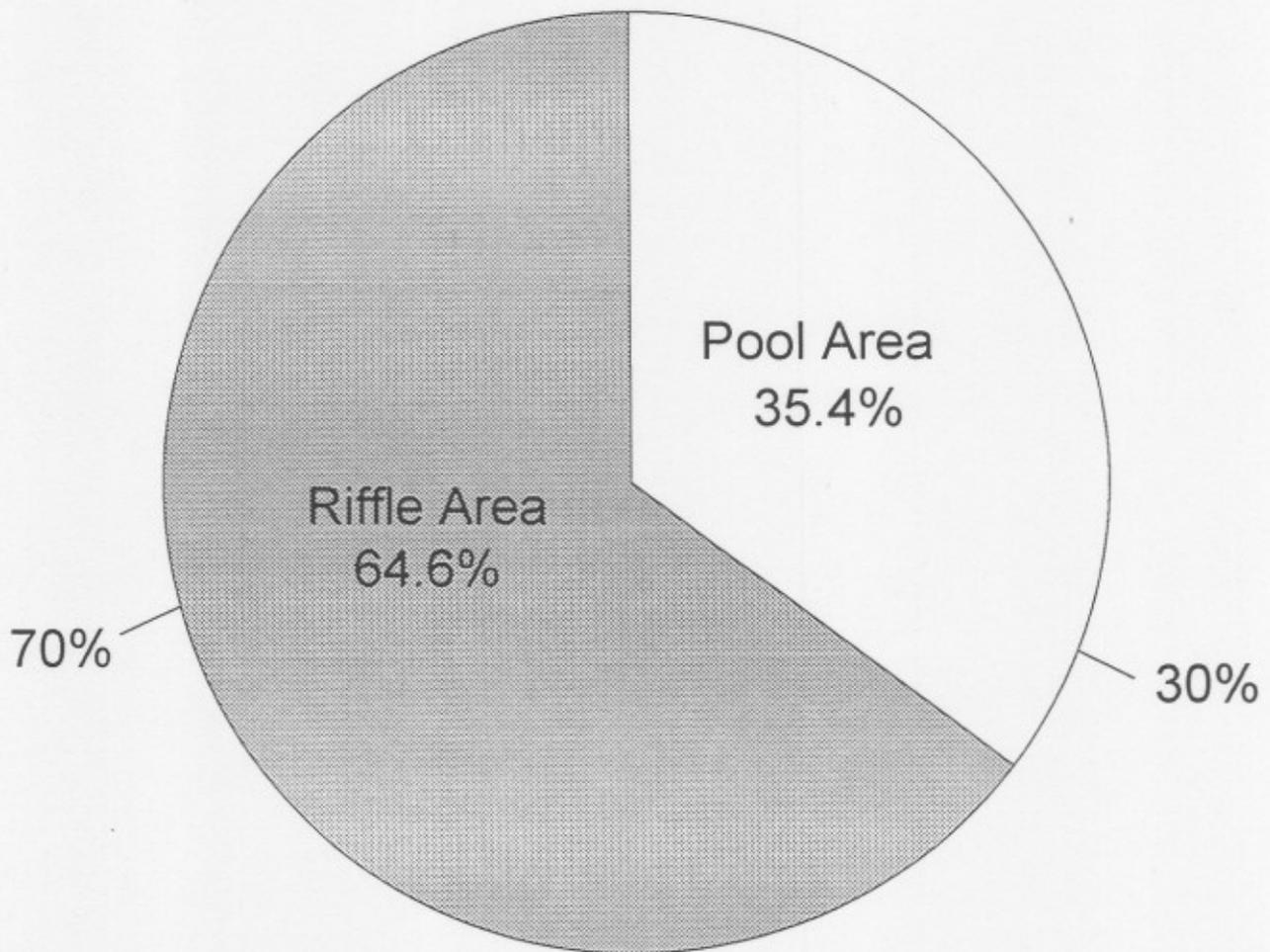
Mean Minimum Riparian Distance (either side): 11.4'

Maximum Riparian Width (Total): 134.4'

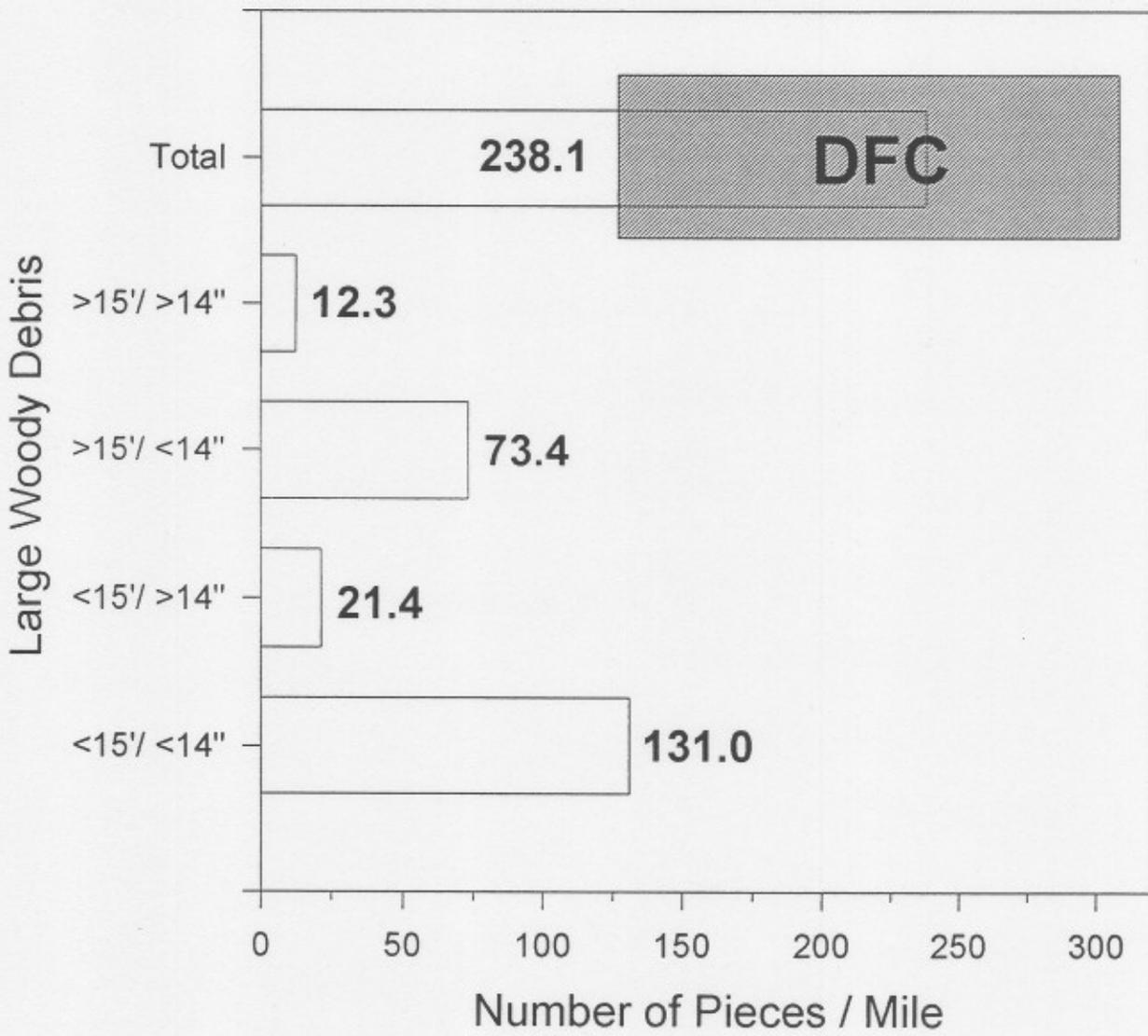
Minimum Riparian Width (Total): 34.8'

Enchanted Creek

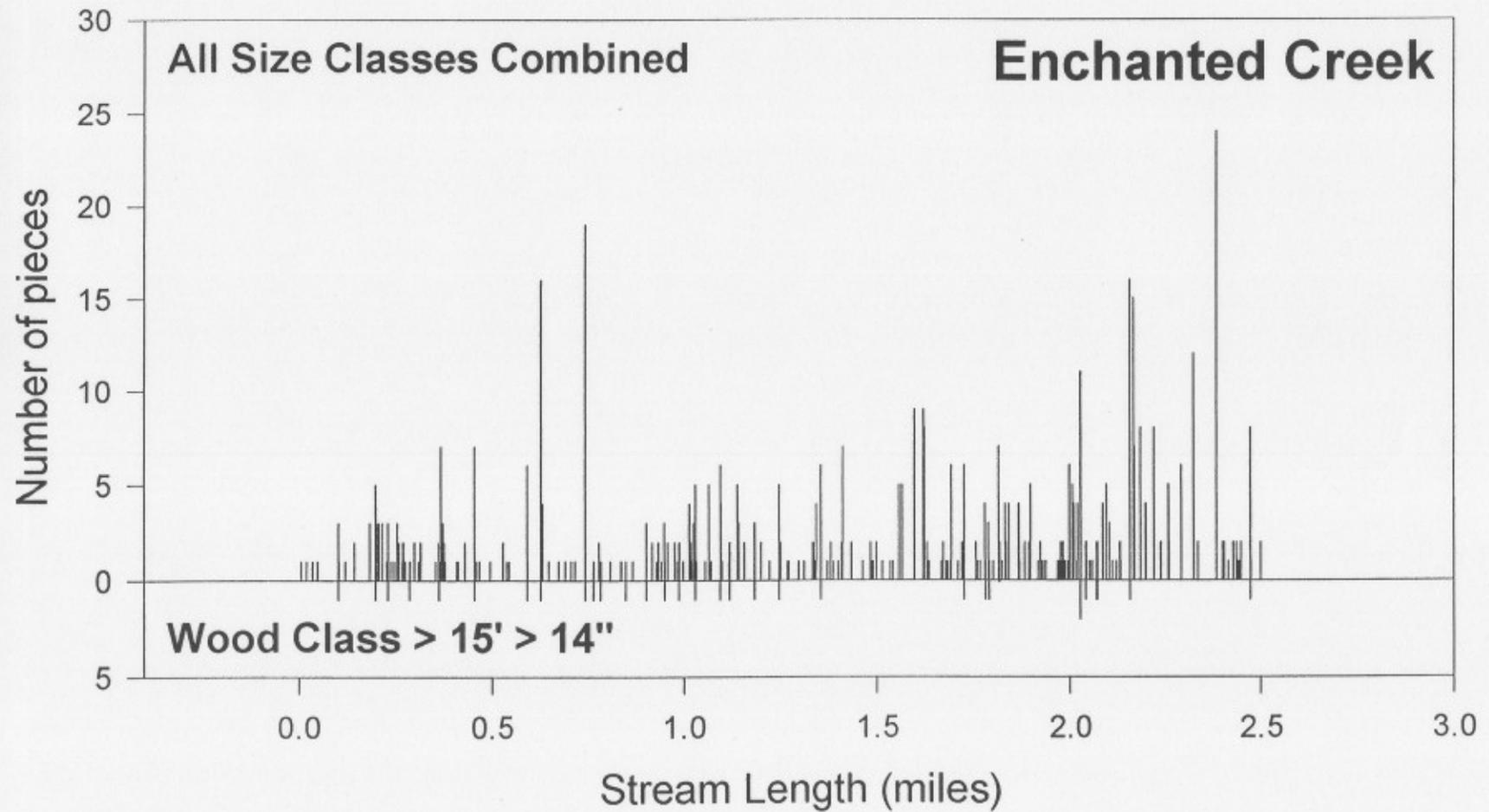
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Enchanted Creek



Large Woody Debris Distribution



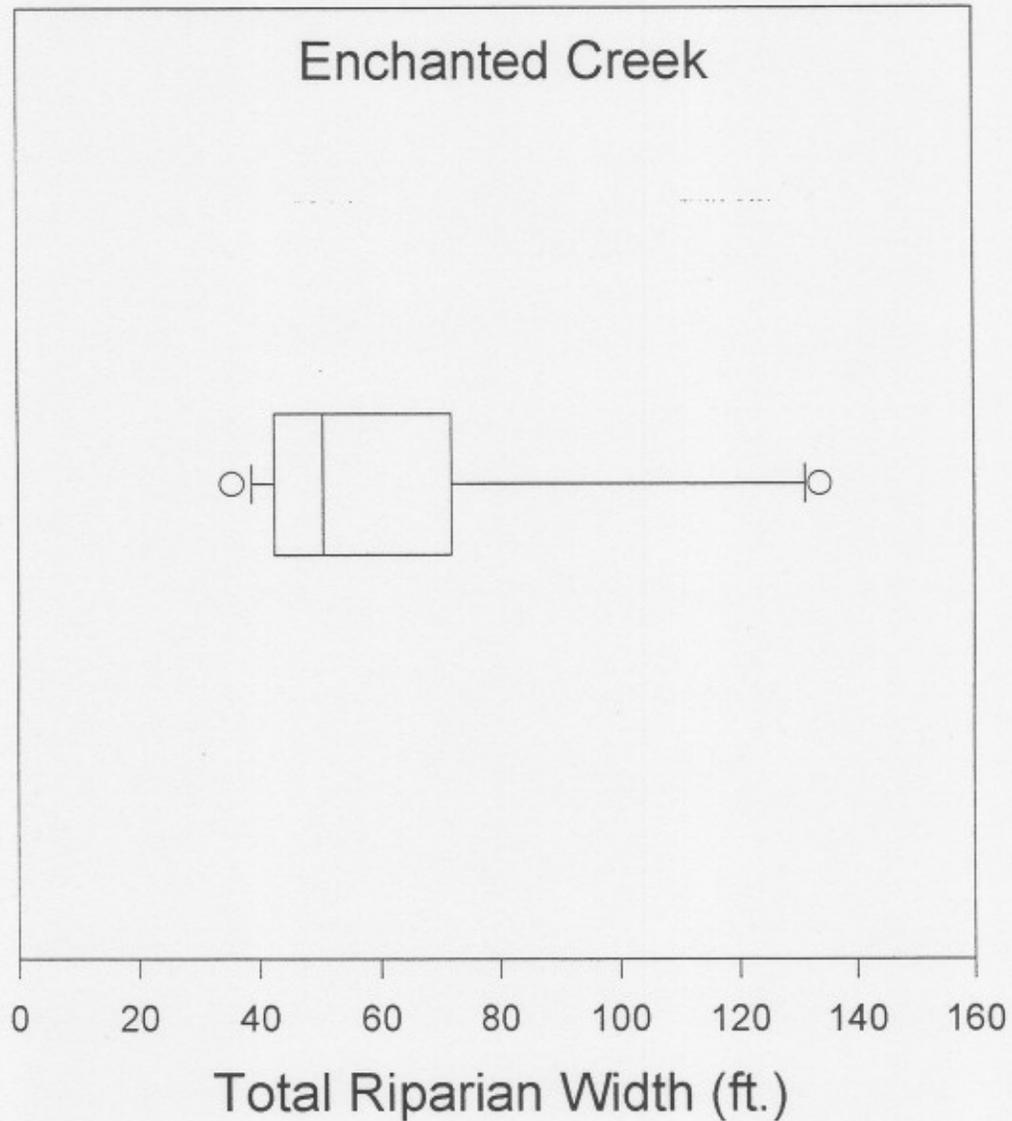
Riparian Width

Stream: Enchanted Creek

Number of measurements: 13

Mean width: 64.9 Std Dev: 33.7

Max: 134.4 Min: 34.8



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Little Irish Creek

District: Pedlar

Quadrangle: Buena Vista

Sample Date: 5/22/95

Downstream Starting Point: culvert at USFS boundary

Total Distance Surveyed: 2.86 miles

Percent of Total Area - Pools: 29.2%

Number of Pools: 232

Number of Pools per mile: 82

Total Pool Area: 53708.65 sq. ft. \pm 7285.1

Mean Pool Area: 229.5 sq. ft.

Correction Factor: 1.07

Mean Maximum Depth: 1.4'

Mean Average Depth: 0.8'

Percent of Total Area - Riffles: 70.8%

Number of Riffles: 203

Number of Riffles per mile: 71

Total Riffle Area: 130477.19 sq. ft. \pm 9371.5

Mean Riffle Area: 642.7 sq. ft.

Correction Factor: 0.94

Mean Maximum Depth: 0.8'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 196.2

Wood < 15' and < 14": 135.3

Wood < 15' and > 14": 26.2

Wood > 15' and < 14": 21.3

Wood > 15' and > 14": 13.3

Mean Channel Width: 21.3'

Mean Riparian Width: 98.6'

Mean Maximum Riparian Distance (either side): 62.9'

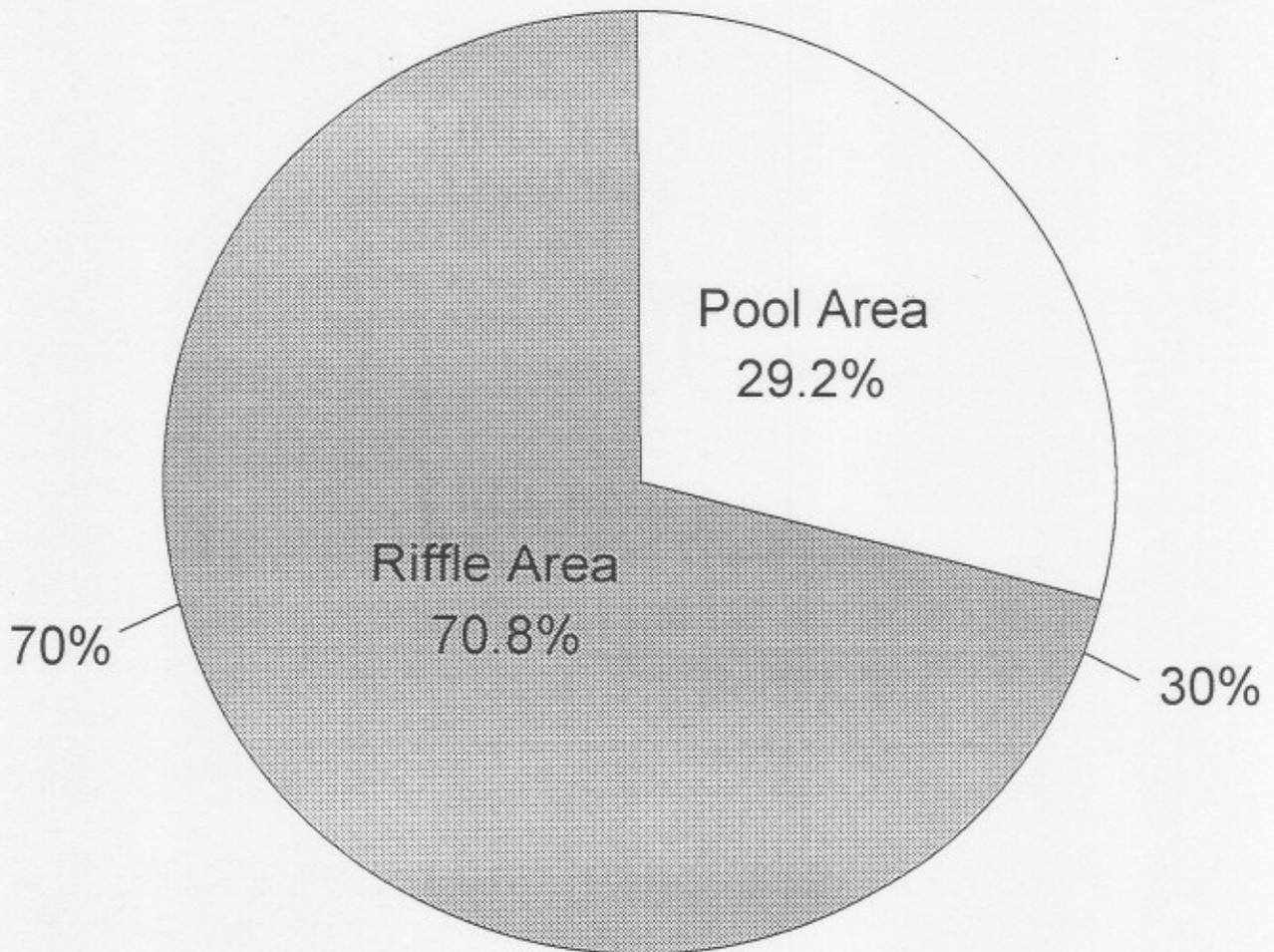
Mean Minimum Riparian Distance (either side): 16.1'

Maximum Riparian Width (Total): 277.4'

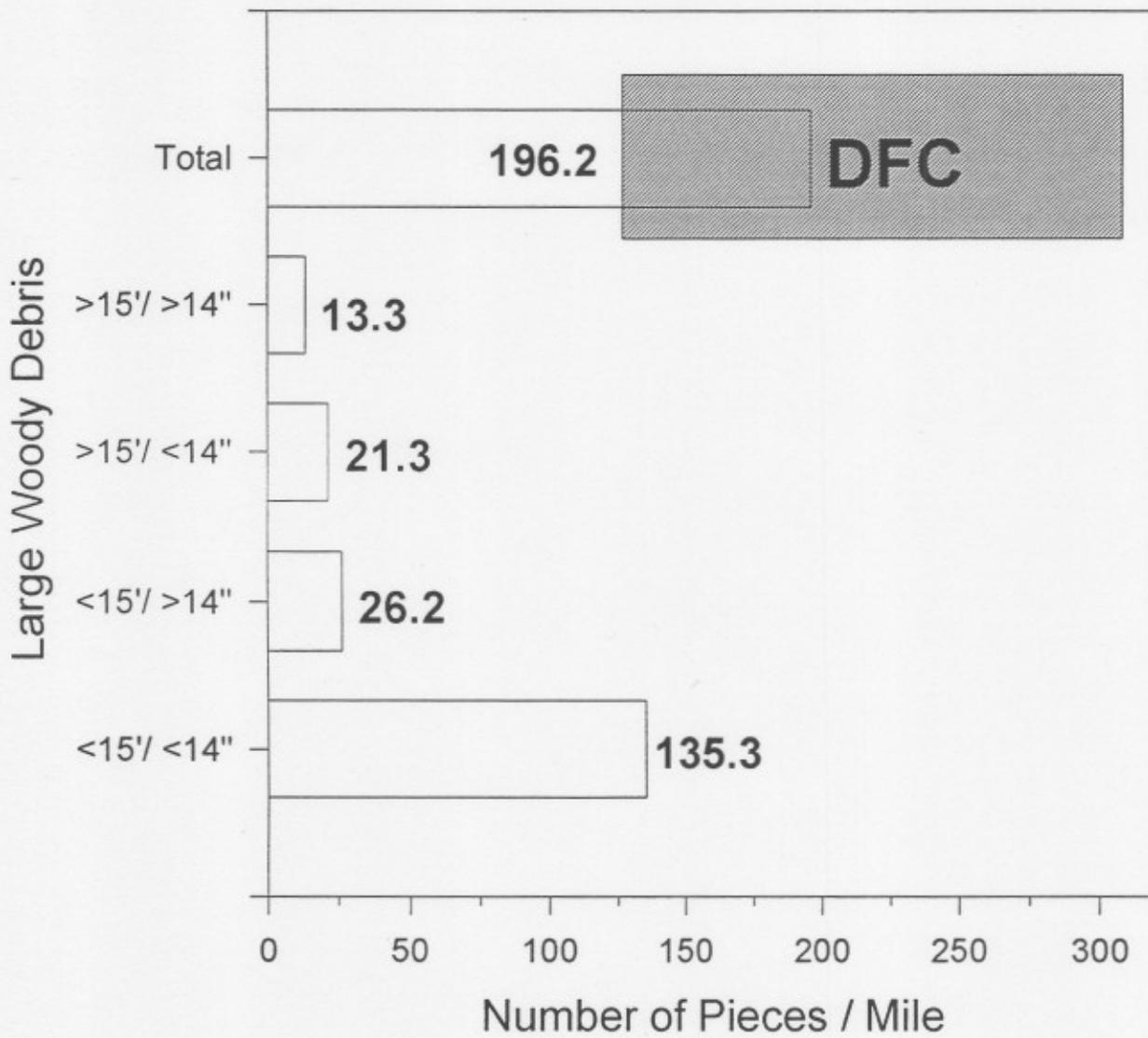
Minimum Riparian Width (Total): 20.9'

Little Irish Creek

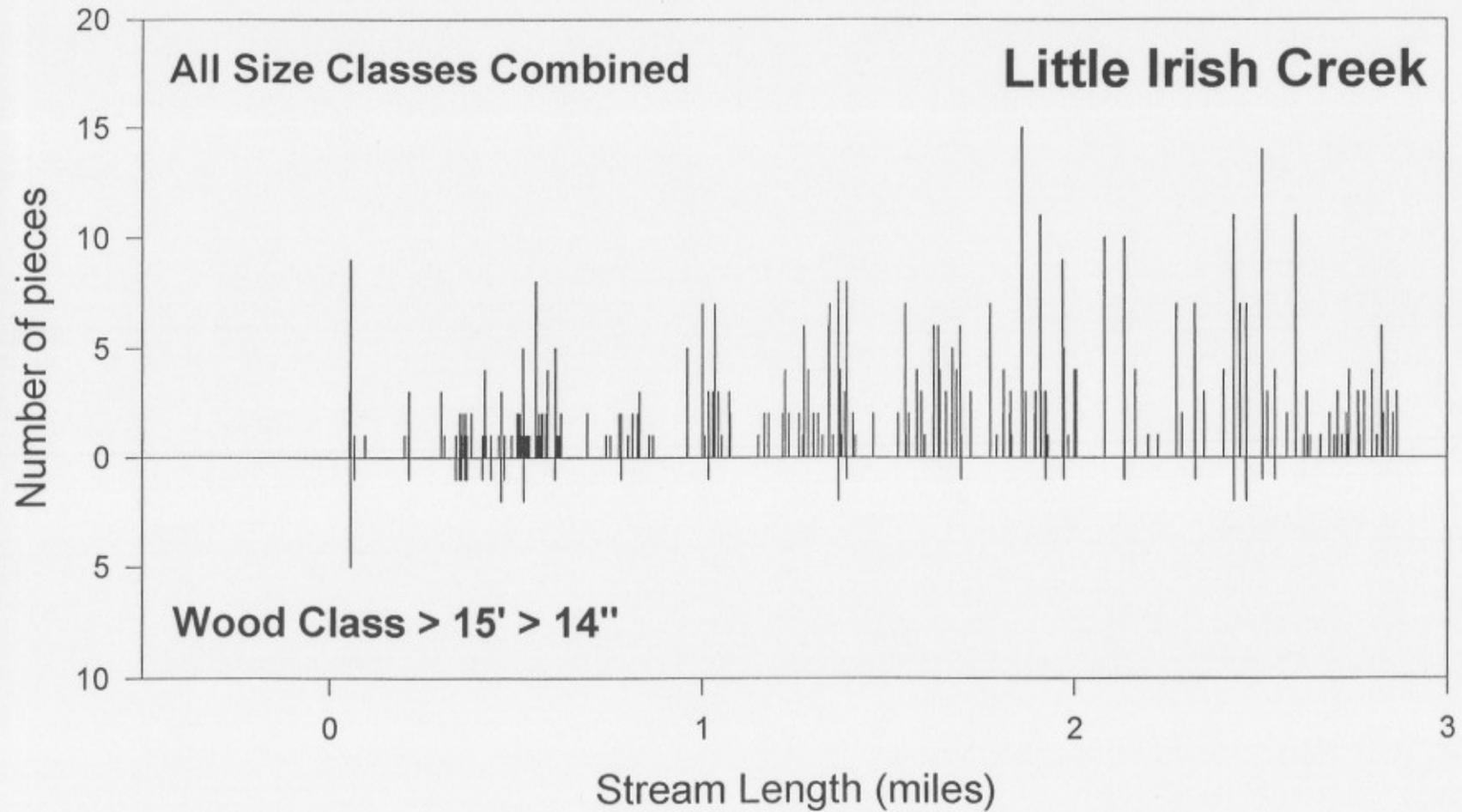
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Little Irish Creek



Large Woody Debris Distribution



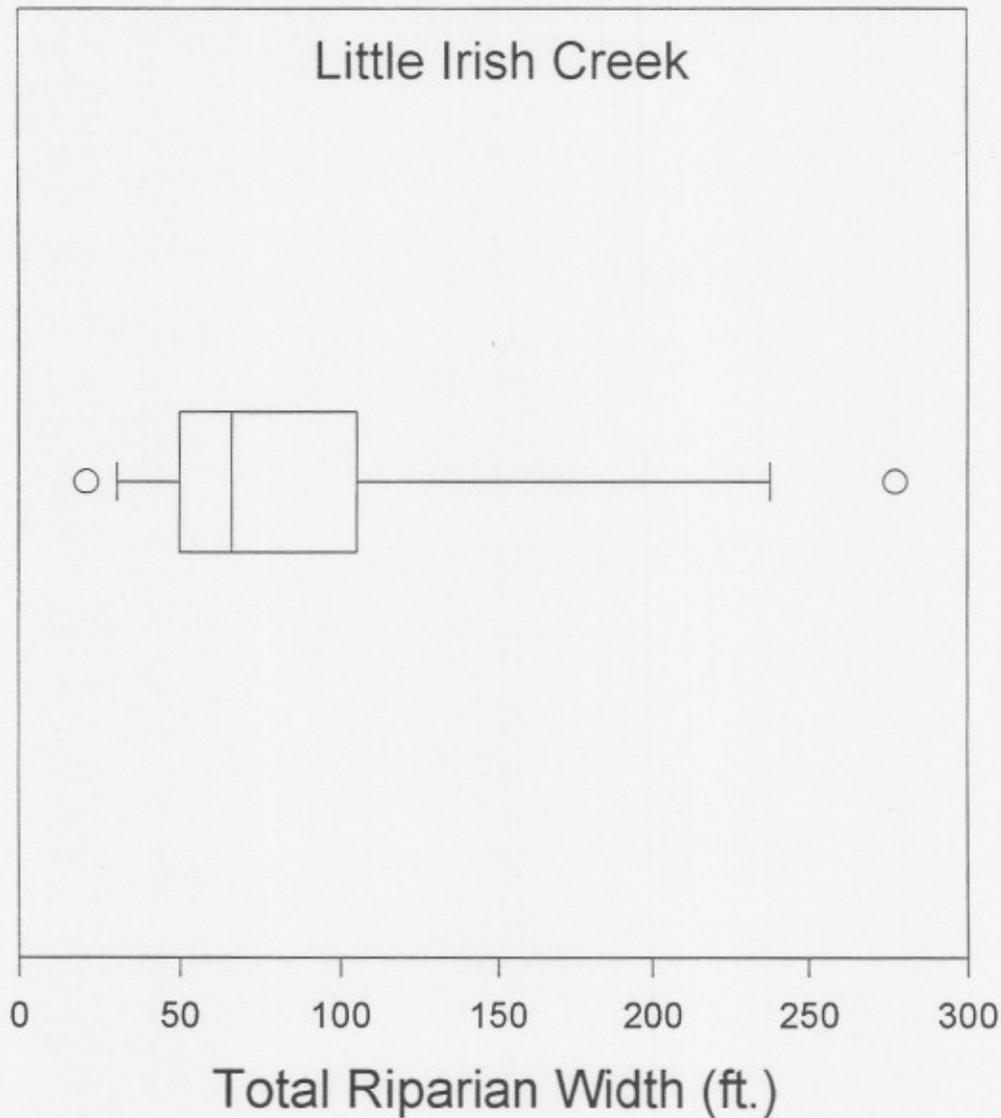
Riparian Width

Stream: Little Irish Creek

Number of measurements: 10

Mean width: 98.6 Std Dev: 79.9

Max: 277.4 Min: 20.9



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Little Irish Tributary

District: Pedlar

Quadrangle: Buena Vista

Sample Date: 5/25/95

Downstream Starting Point: Confluence with L. Irish Creek

Total Distance Surveyed: 0.56 miles

Percent of Total Area - Pools: 17.8%

Number of Pools: 72

Number of Pools per mile: 129

Total Pool Area: 3516.74 sq. ft. \pm 1406.64

Mean Pool Area: 48.84 sq. ft.

Correction Factor: 1.07

Mean Maximum Depth: 0.8'

Mean Average Depth: 0.5'

Percent of Total Area - Riffles: 82.2%

Number of Riffles: 68

Number of Riffles per mile: 121

Total Riffle Area: 16212.91 sq. ft. \pm 8264.74

Mean Riffle Area: 238.43 sq. ft.

Correction Factor: 0.76

Mean Maximum Depth: 0.5'

Mean Average Depth: 0.3'

Number of Large Woody Debris Pieces per Mile: 550.0

Wood < 15' and < 14": 496.4

Wood < 15' and > 14": 28.6

Wood > 15' and < 14": 23.2

Wood > 15' and > 14": 1.8

Mean Channel Width: 15.8'

Mean Riparian Width: 47.9'

Mean Maximum Riparian Distance (either side): 22.5'

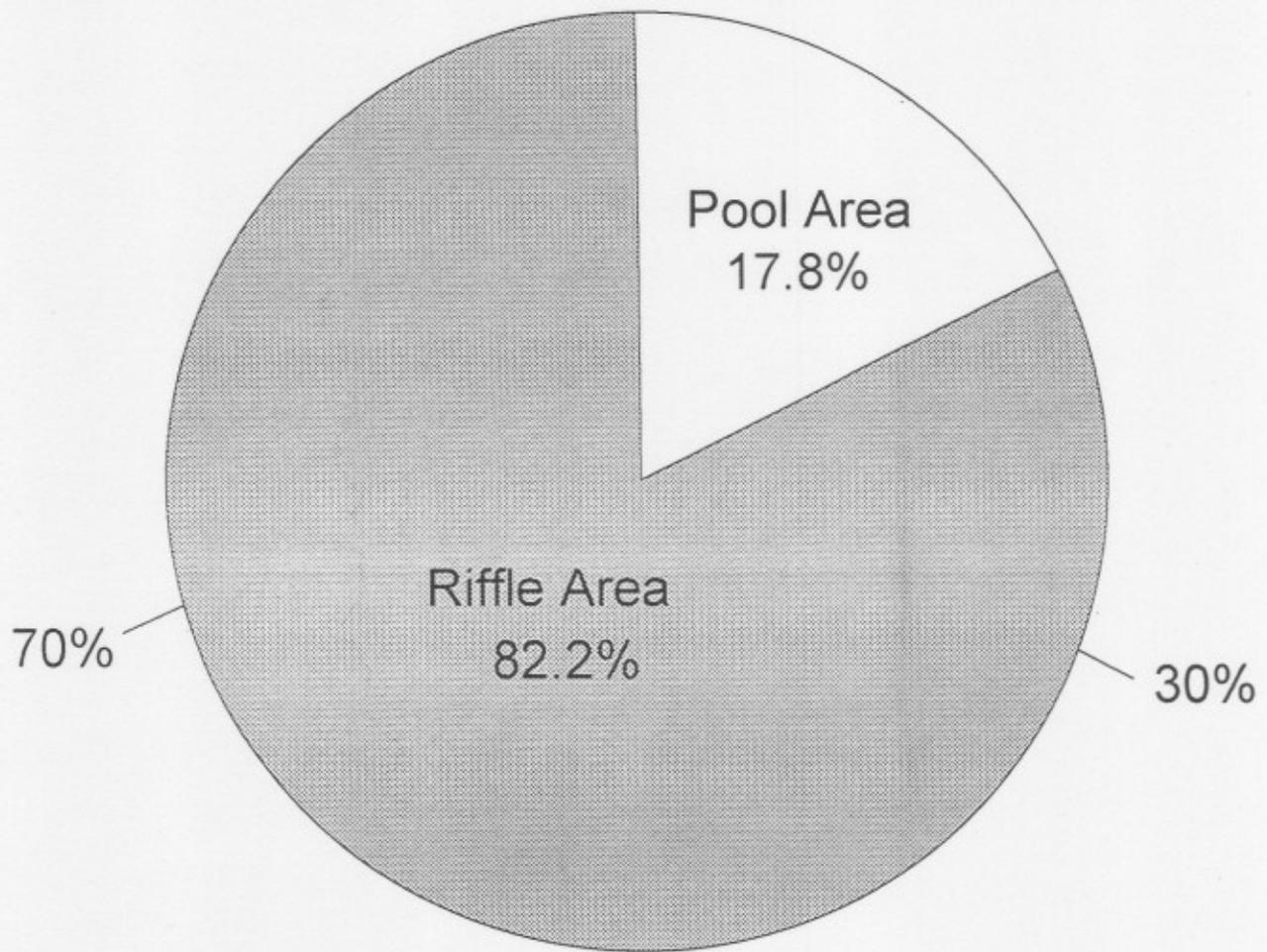
Mean Minimum Riparian Distance (either side): 9.7'

Maximum Riparian Width (Total): 68.8'

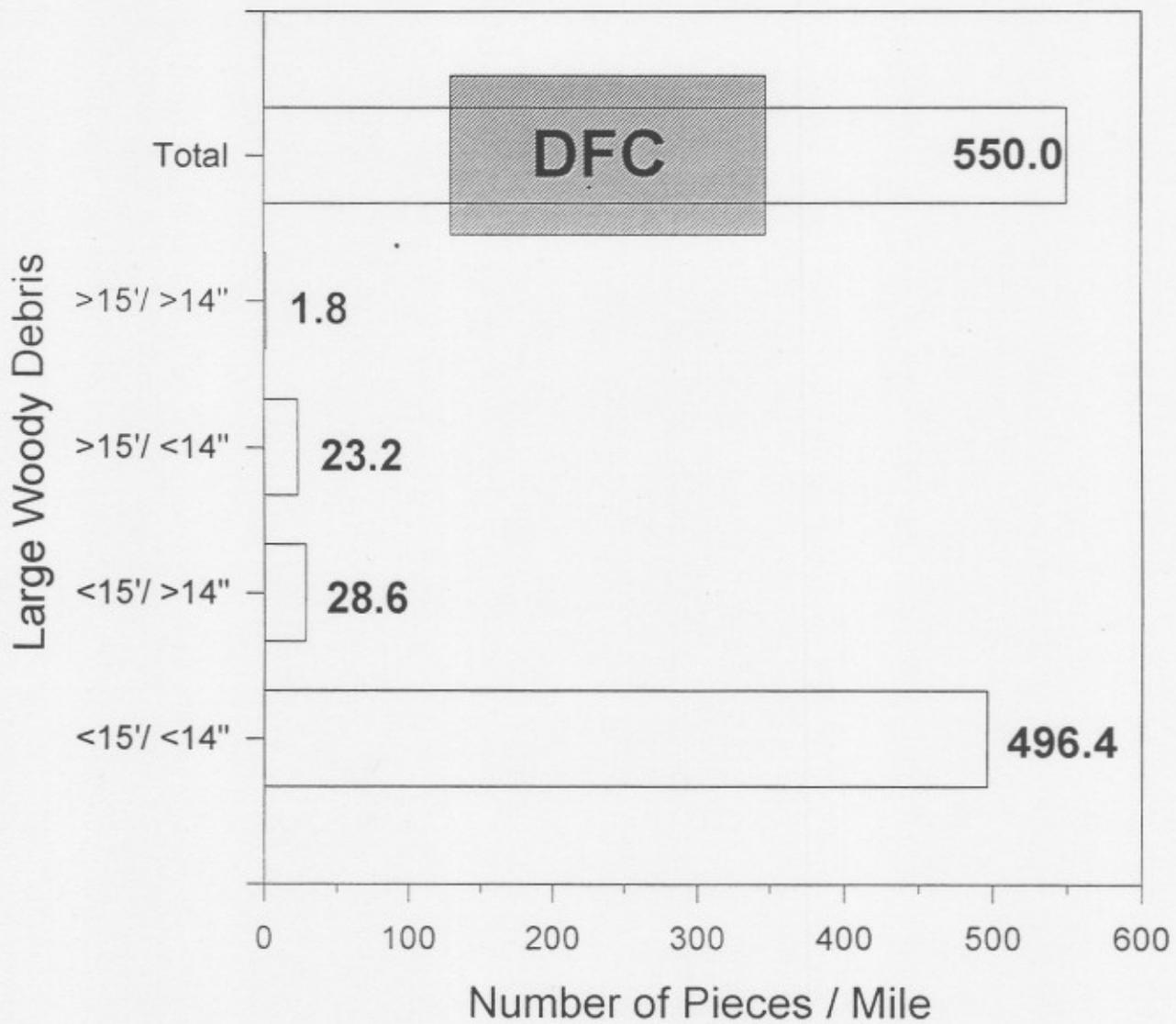
Minimum Riparian Width (Total): 31.0'

Little Irish Tributary

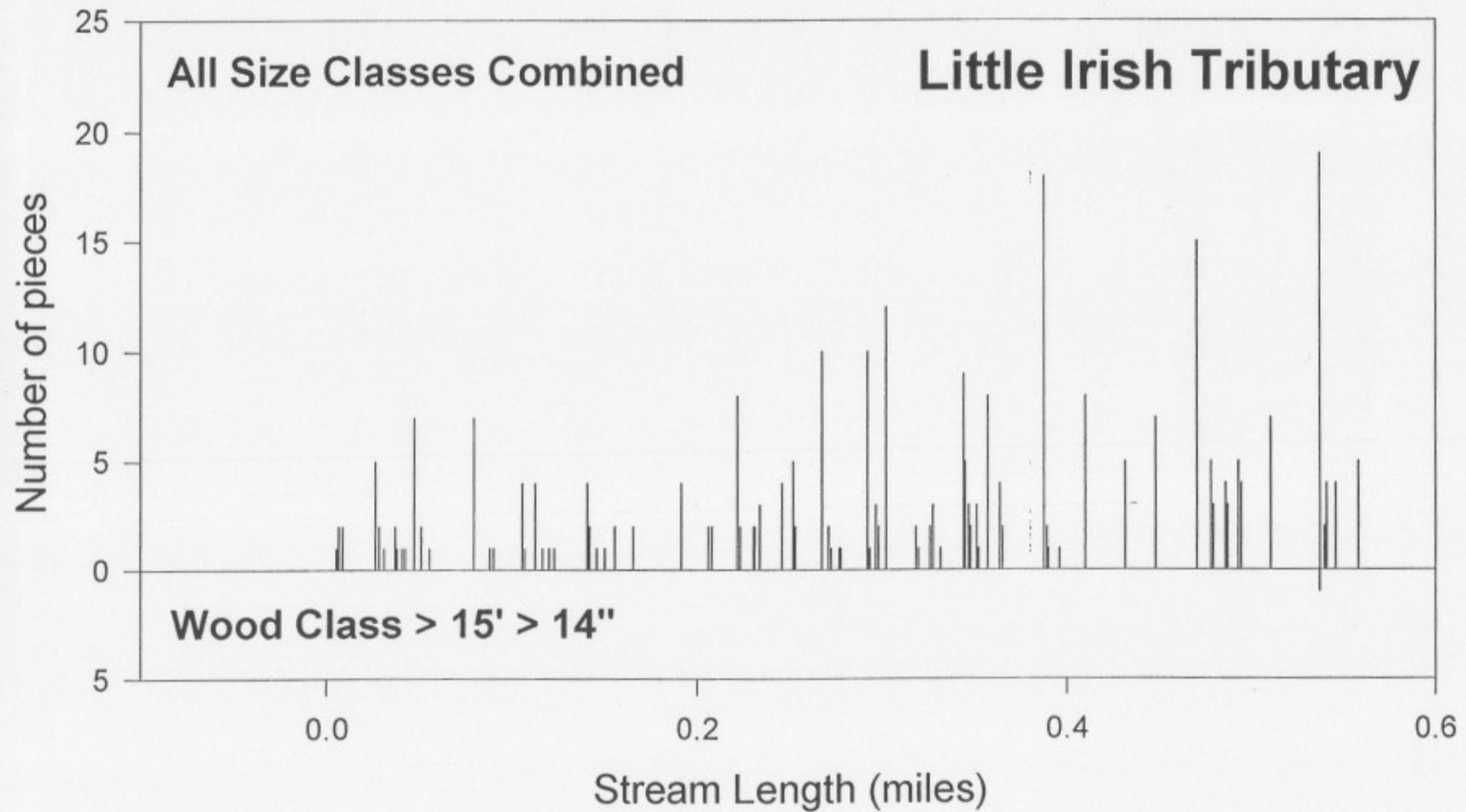
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Little Irish Tributary



Large Woody Debris Distribution



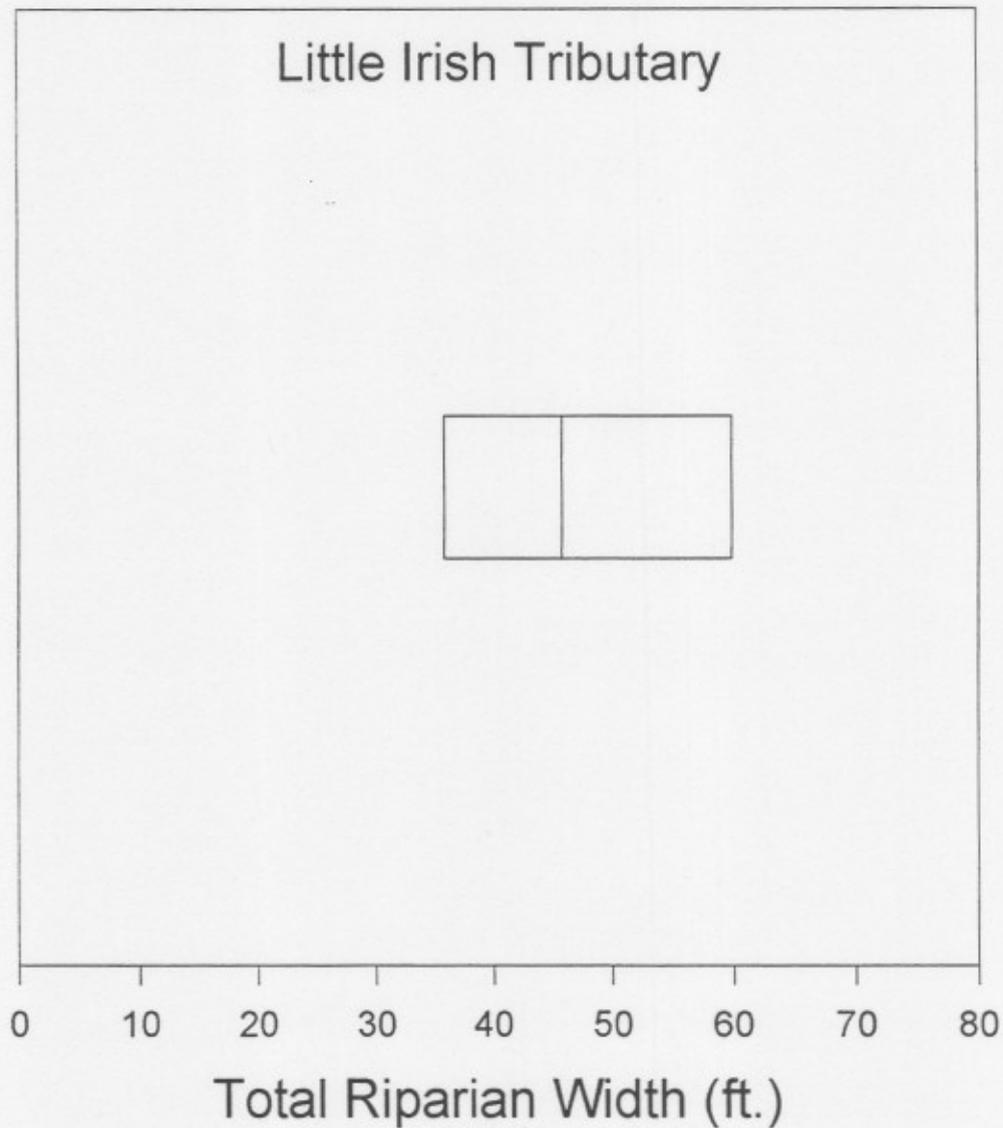
Riparian Width

Stream: Little Irish Tributary

Number of measurements: 4

Mean width: 47.9 Std Dev: 16.2

Max: 68.8 Min: 31.0



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Otter Creek

District: Pedlar

Quadrangle: Buena Vista

Sample Date: 8/16/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 0.89 miles

Percent of Total Area - Pools: 39.8%

Number of Pools: 102

Number of Pools per mile: 115

Total Pool Area: 15799.84 sq. ft. \pm 1296.41

Mean Pool Area: 154.90 sq. ft.

Correction Factor: 0.96

Mean Maximum Depth: 1.2'

Mean Average Depth: 0.8'

Percent of Total Area - Riffles: 60.2%

Number of Riffles: 85

Number of Riffles per mile: 96

Total Riffle Area: 23860.20 sq. ft. \pm 4420.956

Mean Riffle Area: 280.71 sq. ft.

Correction Factor: 0.99

Mean Maximum Depth: 0.7'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 140.5

Wood < 15' and < 14": 68.5

Wood < 15' and > 14": 12.4

Wood > 15' and < 14": 46.1

Wood > 15' and > 14": 13.5

Mean Channel Width: 17.9'

Mean Riparian Width: 103.8'

Mean Maximum Riparian Distance (either side): 54.0'

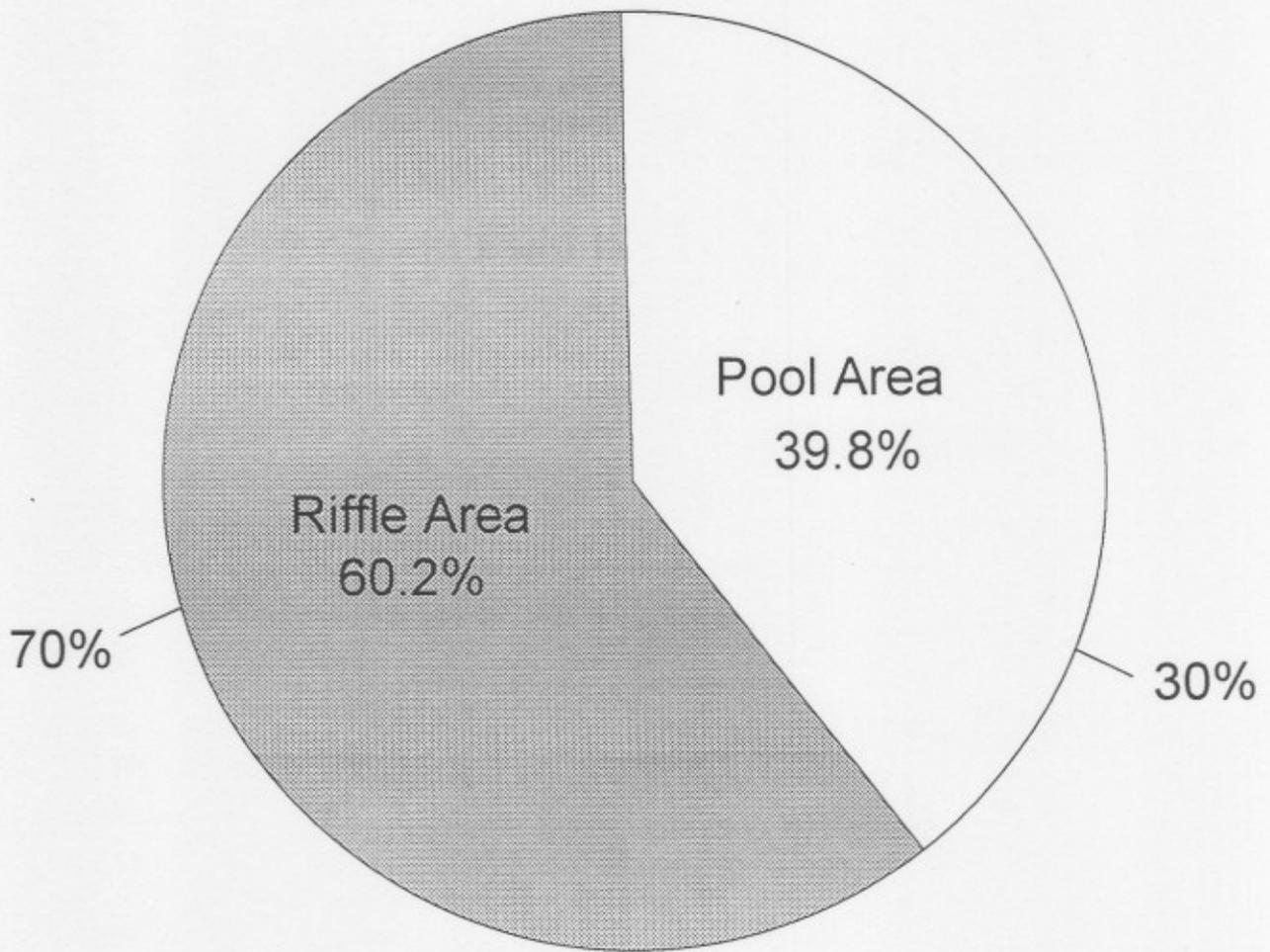
Mean Minimum Riparian Distance (either side): 31.9'

Maximum Riparian Width (Total): 261.7'

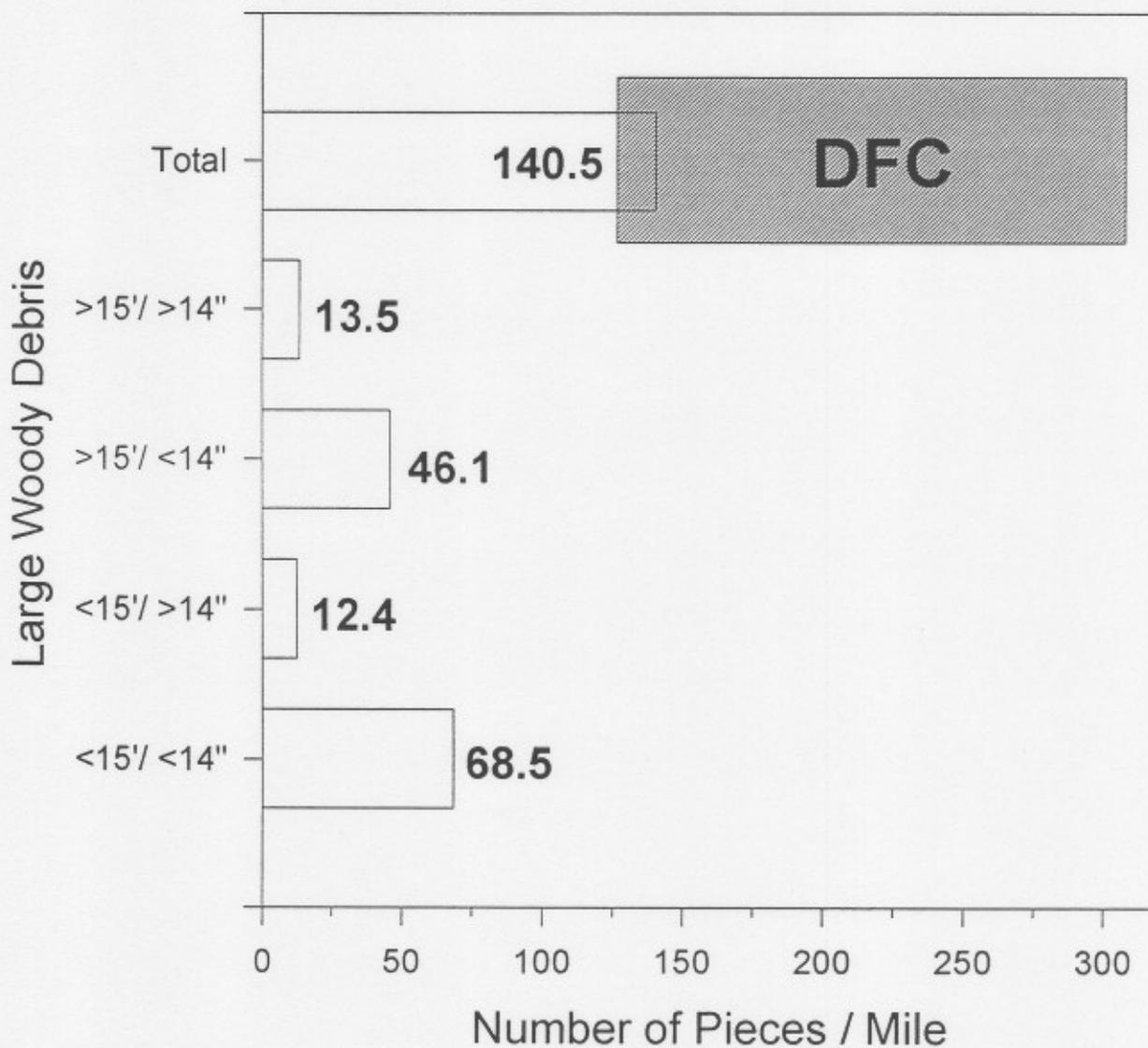
Minimum Riparian Width (Total): 35.2'

Otter Creek

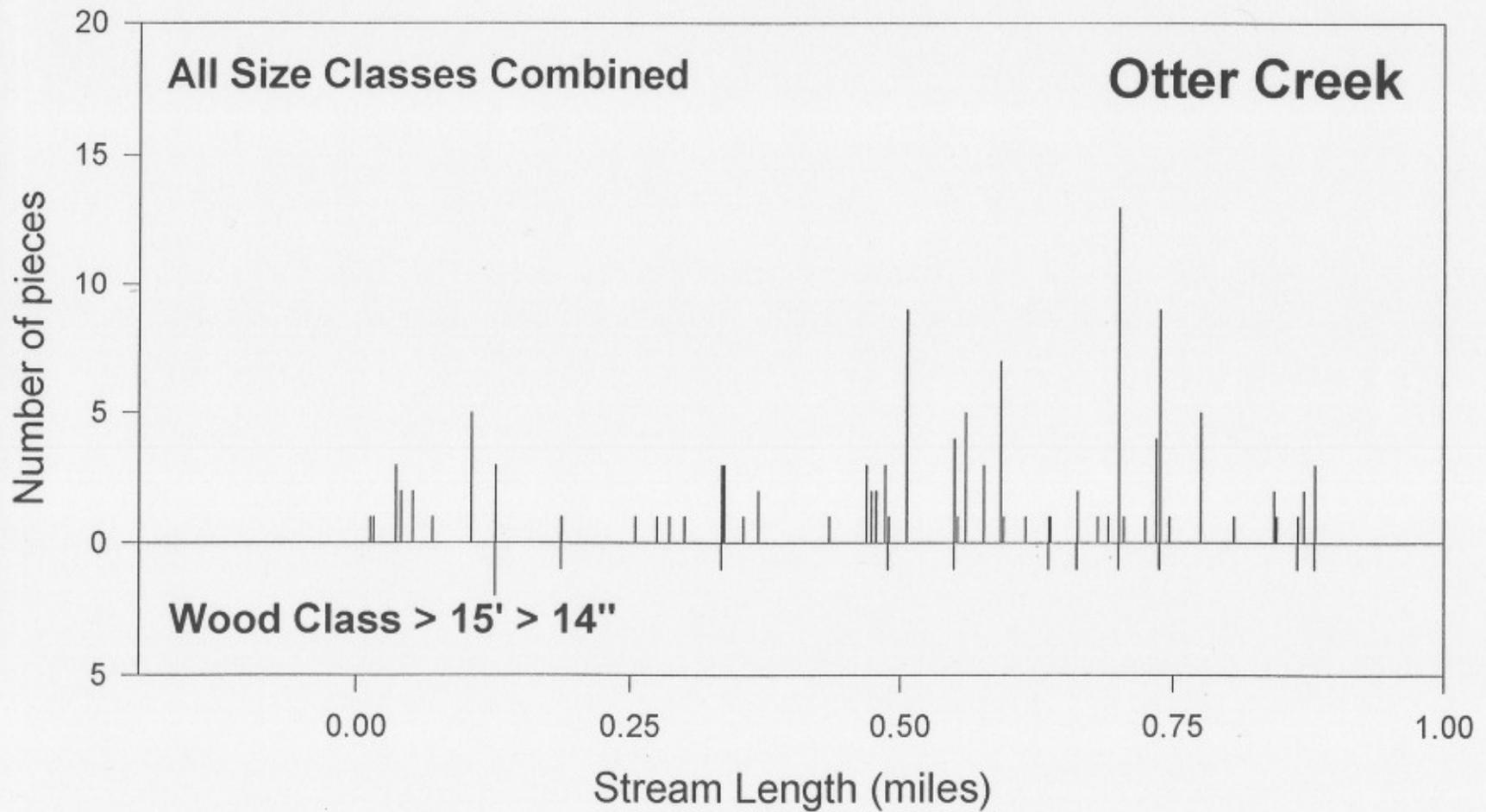
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Otter Creek



Large Woody Debris Distribution



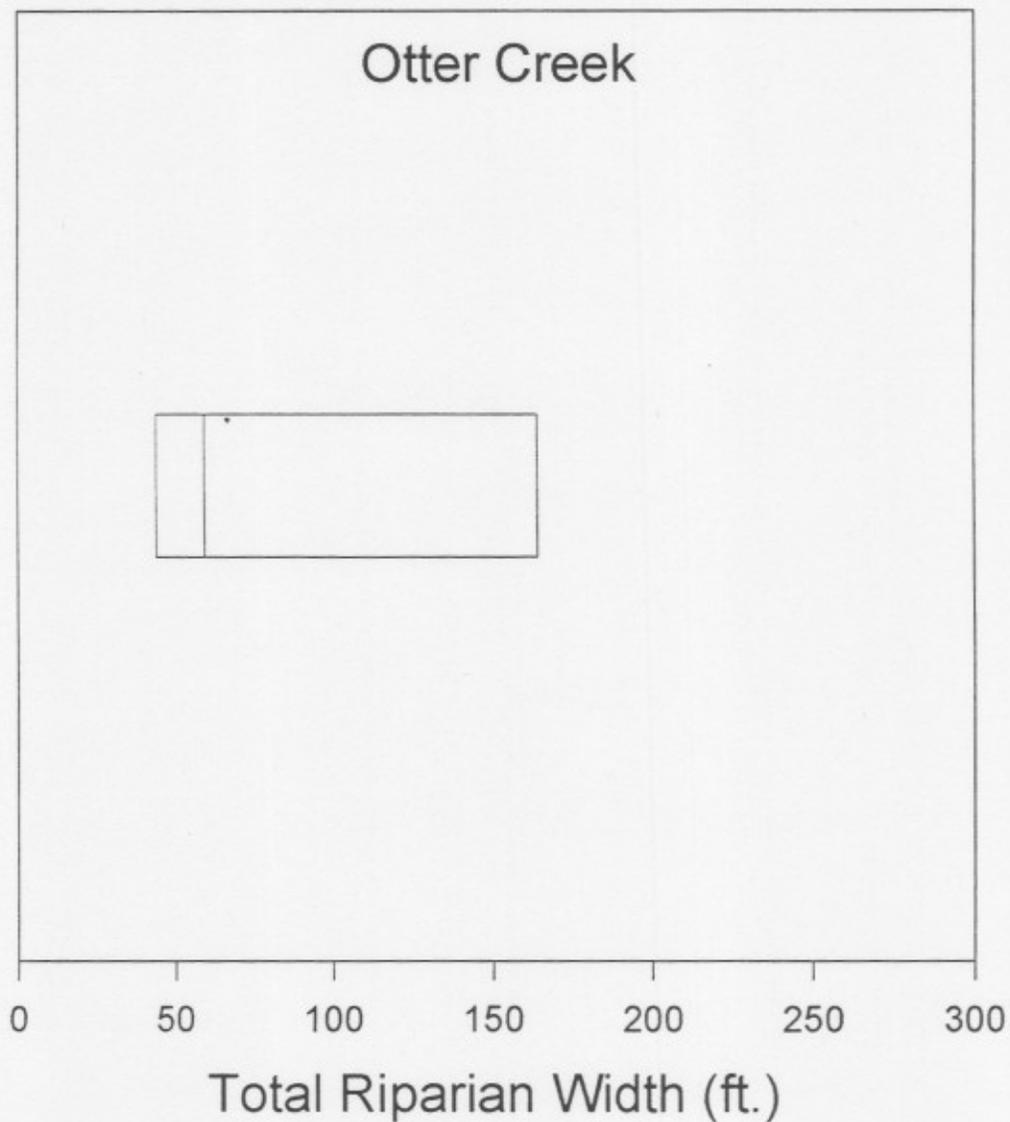
Riparian Width

Stream: Otter Creek

Number of measurements: 4

Mean width: 103.8 Std Dev: 106.0

Max: 261.7 Min: 35.2



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Pedlar Run

District: Pedlar

Quadrangle: Buena Vista

Sample Date: 8/14/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 1.69 miles

Percent of Total Area - Pools: 30.5%

Number of Pools: 176

Number of Pools per mile: 104

Total Pool Area: 20977.63 sq. ft. \pm 824.09

Mean Pool Area: 119.19 sq. ft.

Correction Factor: 1.04

Mean Maximum Depth: 1.2'

Mean Average Depth: 0.8'

Percent of Total Area - Riffles: 69.5%

Number of Riffles: 153

Number of Riffles per mile: 91

Total Riffle Area: 47748.28 sq. ft. \pm 2725.15

Mean Riffle Area: 312.08 sq. ft.

Correction Factor: 1.08

Mean Maximum Depth: 0.7'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 101.8

Wood < 15' and < 14": 49.7

Wood < 15' and > 14": 1.2

Wood > 15' and < 14": 42.6

Wood > 15' and > 14": 8.3

Mean Channel Width: 17.0'

Mean Riparian Width: 67.0'

Mean Maximum Riparian Distance (either side): 34.9'

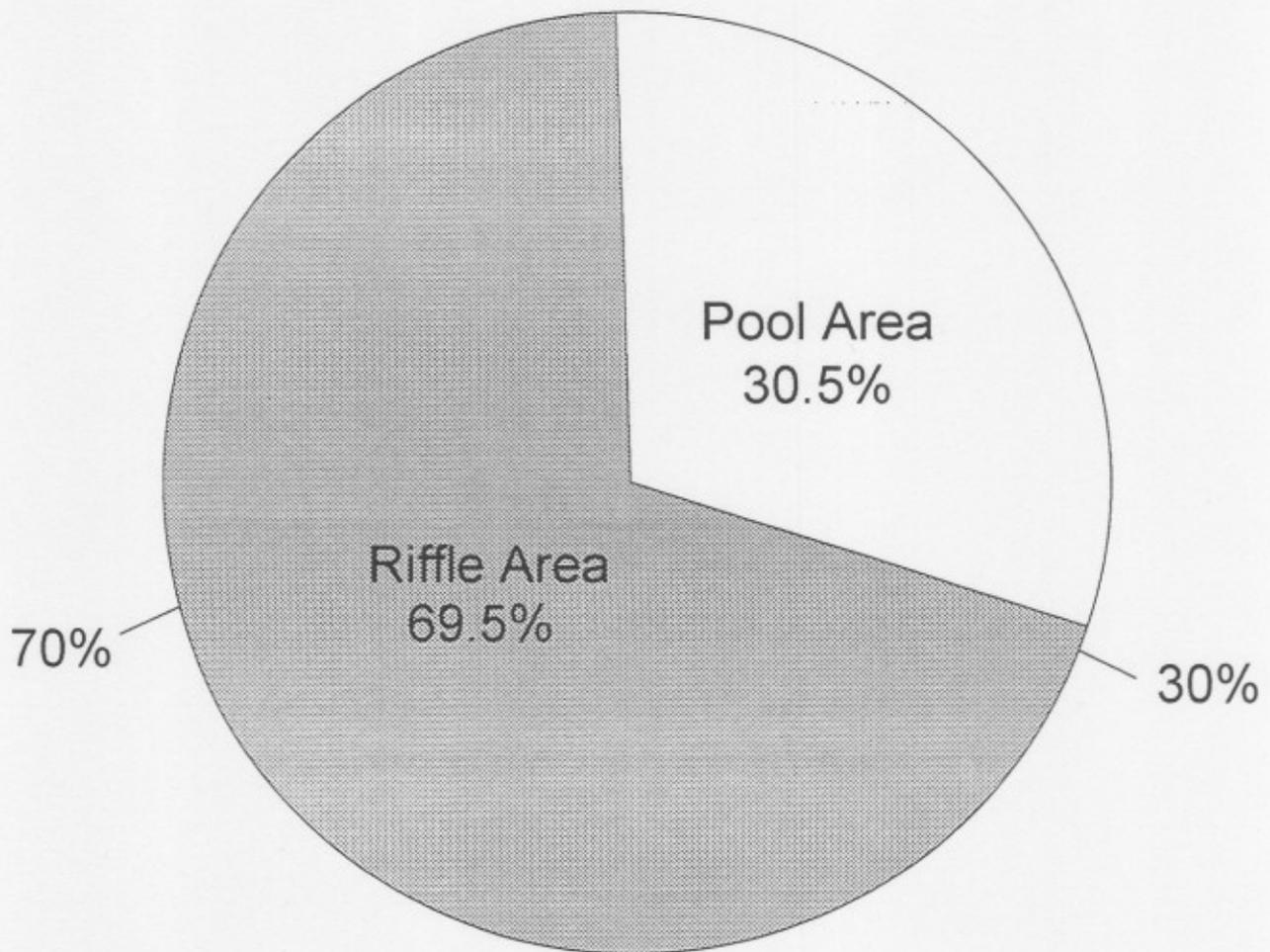
Mean Minimum Riparian Distance (either side): 15.1'

Maximum Riparian Width (Total): 179.7'

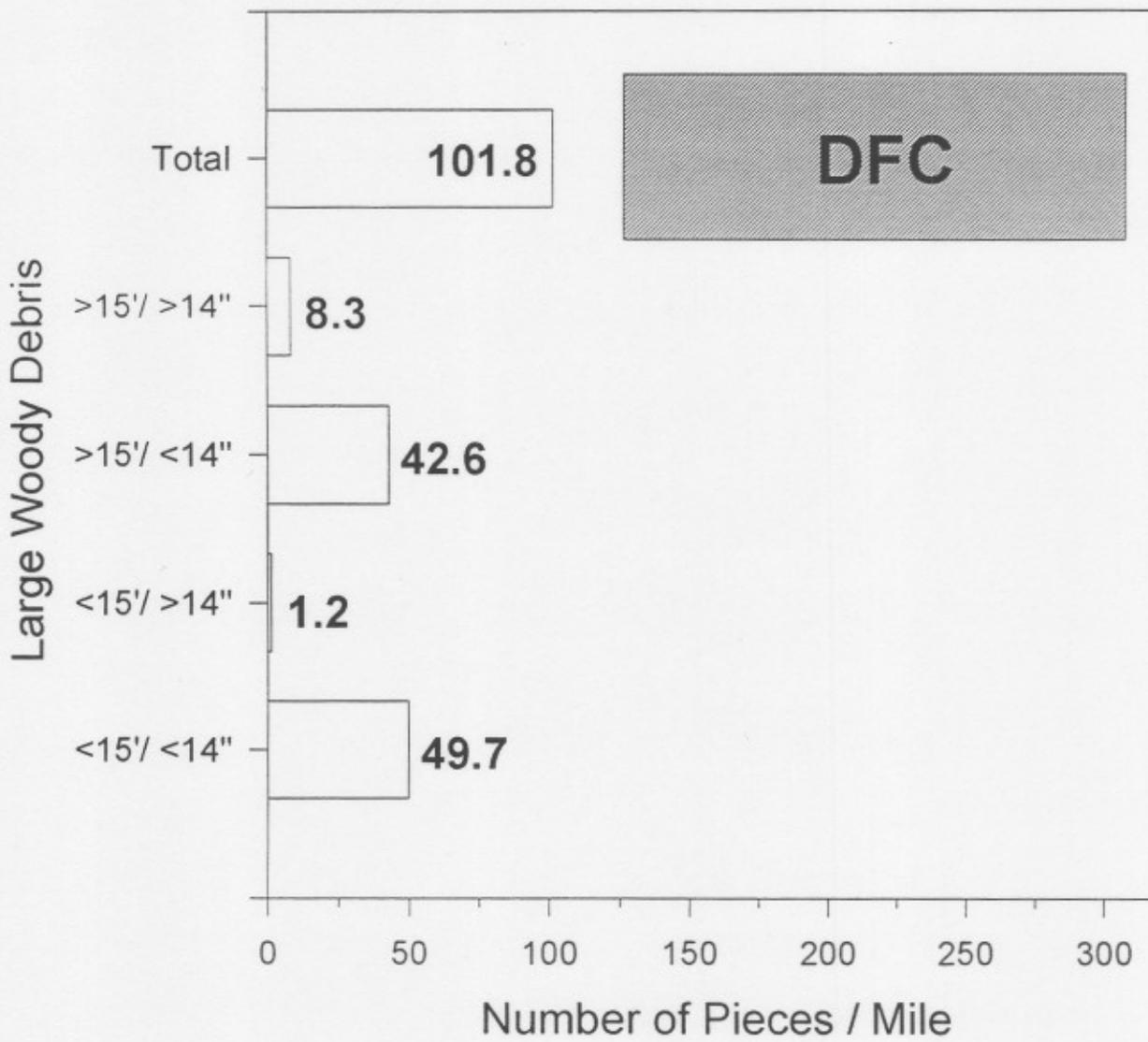
Minimum Riparian Width (Total): 28.4'

Pedlar Run

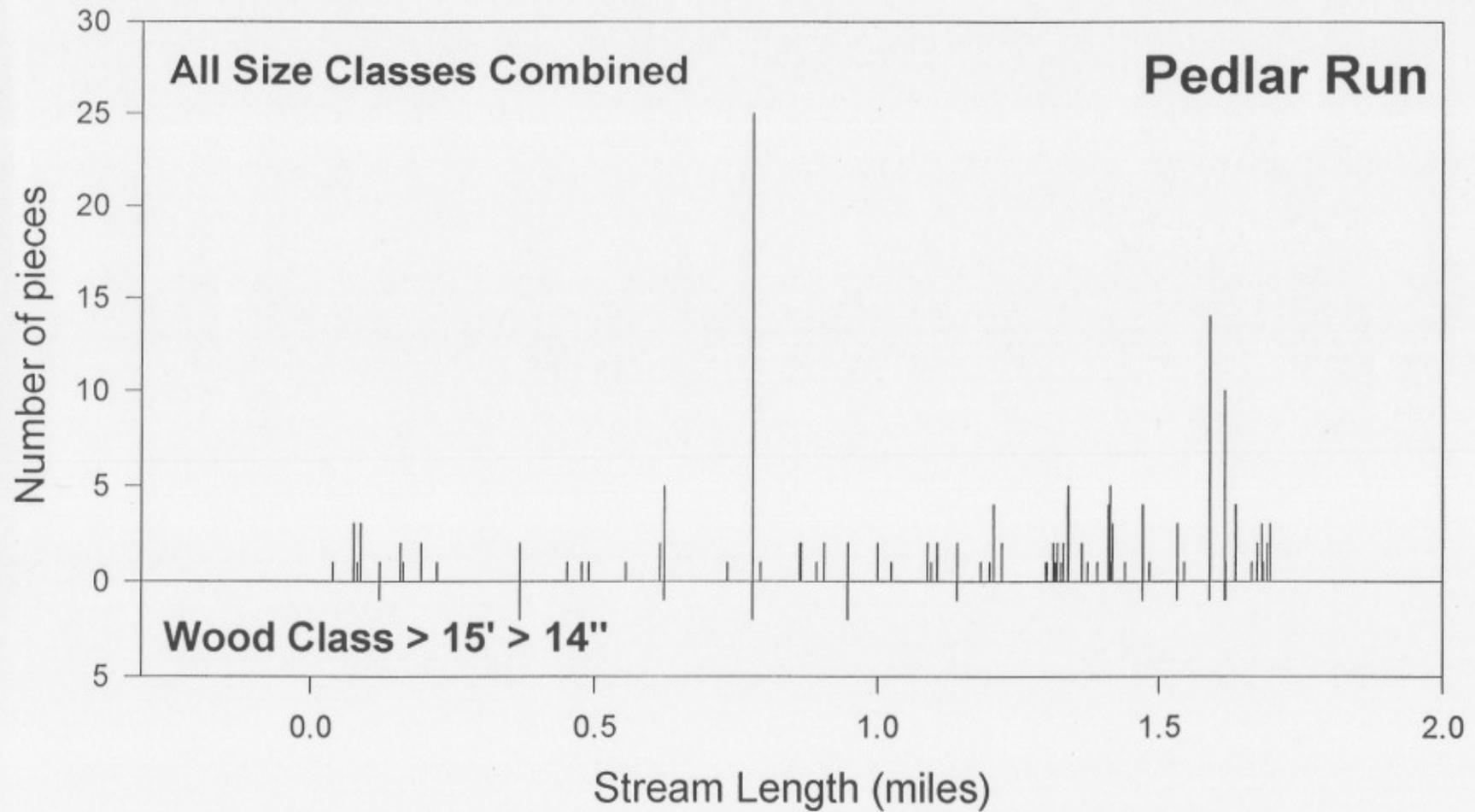
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Pedlar Run



Large Woody Debris Distribution



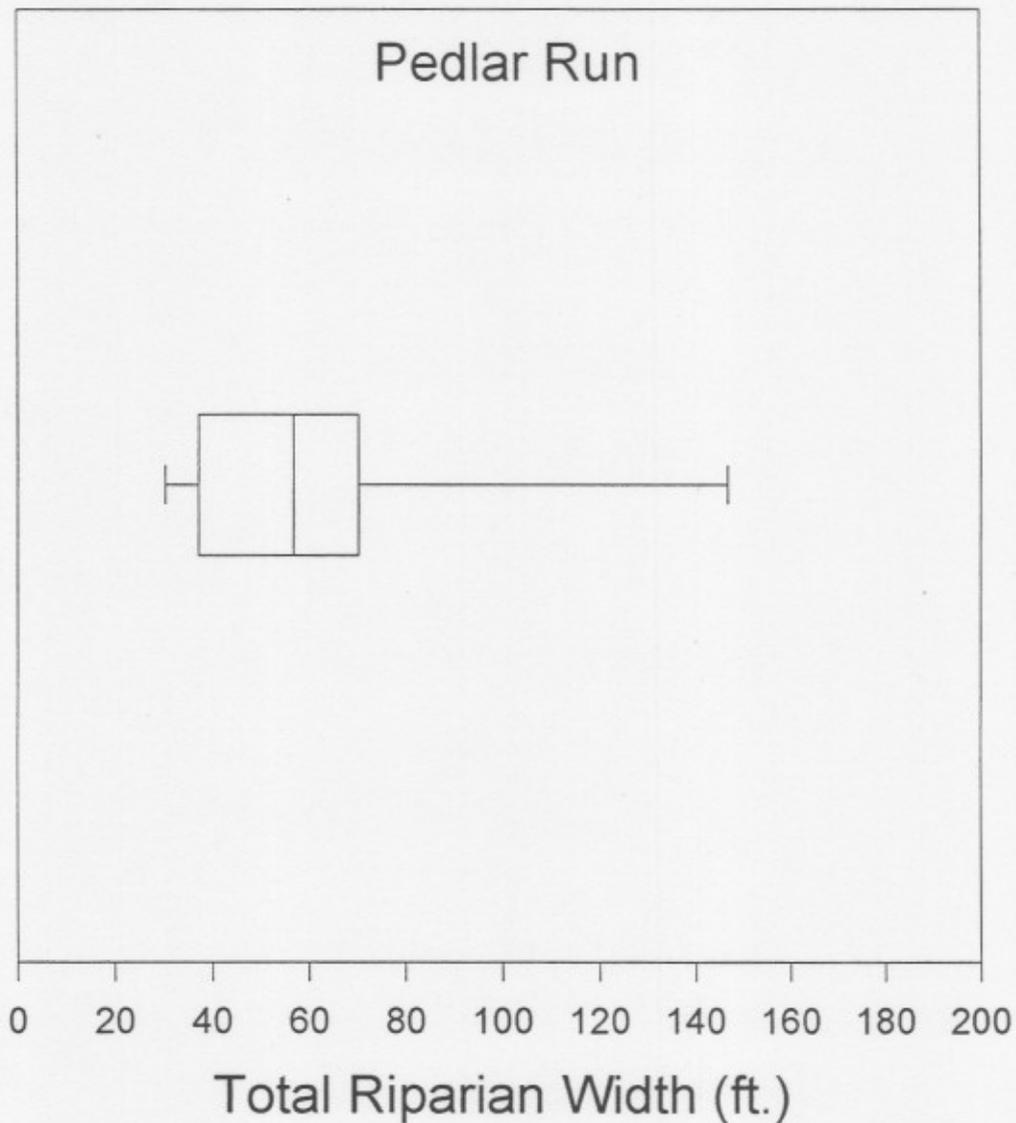
Riparian Width

Stream: Pedlar Run

Number of measurements: 8

Mean width: 67.0 Std Dev: 48.6

Max: 179.7 Min: 28.4



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Poplar Cove Creek

District: Pedlar

Quadrangle: Buena Vista

Sample Date: 8/15/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 1.67 miles

Percent of Total Area - Pools: 18.7%

Number of Pools: 129

Number of Pools per mile: 77

Total Pool Area: 10840.20 sq. ft. \pm 1008.09

Mean Pool Area: 84.03 sq. ft.

Correction Factor: 1.00

Mean Maximum Depth: 1.2'

Mean Average Depth: 0.8'

Percent of Total Area - Riffles: 81.3%

Number of Riffles: 121

Number of Riffles per mile: 72

Total Riffle Area: 47208.97 sq. ft. \pm 2082.09

Mean Riffle Area: 390.16 sq. ft.

Correction Factor: 0.96

Mean Maximum Depth: 0.7'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 318.0

Wood < 15' and < 14": 113.8

Wood < 15' and > 14": 11.4

Wood > 15' and < 14": 145.5

Wood > 15' and > 14": 47.3

Mean Channel Width: 23.1'

Mean Riparian Width: 48.2'

Mean Maximum Riparian Distance (either side): 20.4'

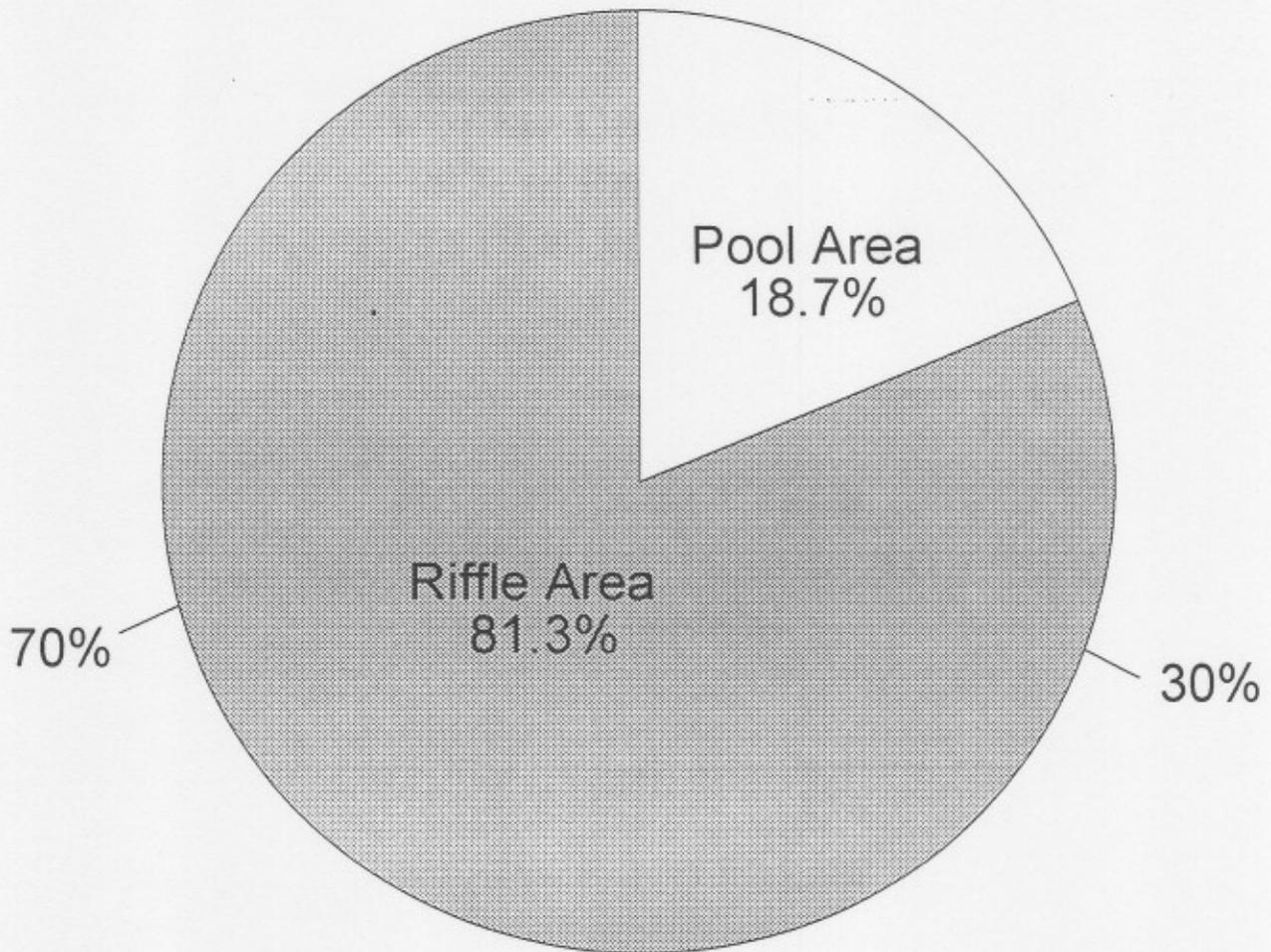
Mean Minimum Riparian Distance (either side): 4.7'

Maximum Riparian Width (Total): 77.2'

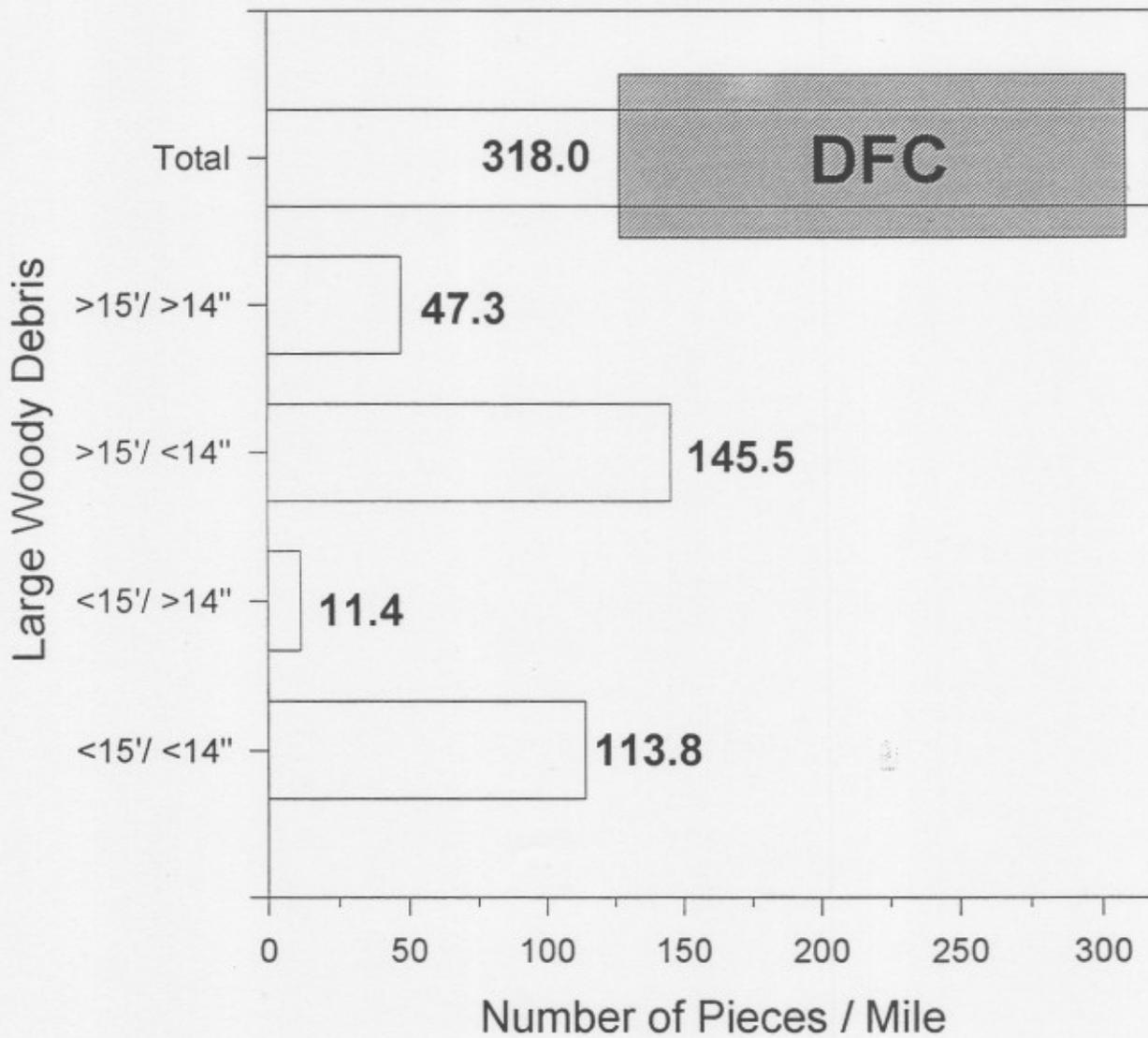
Minimum Riparian Width (Total): 30.4'

Poplar Cove Creek

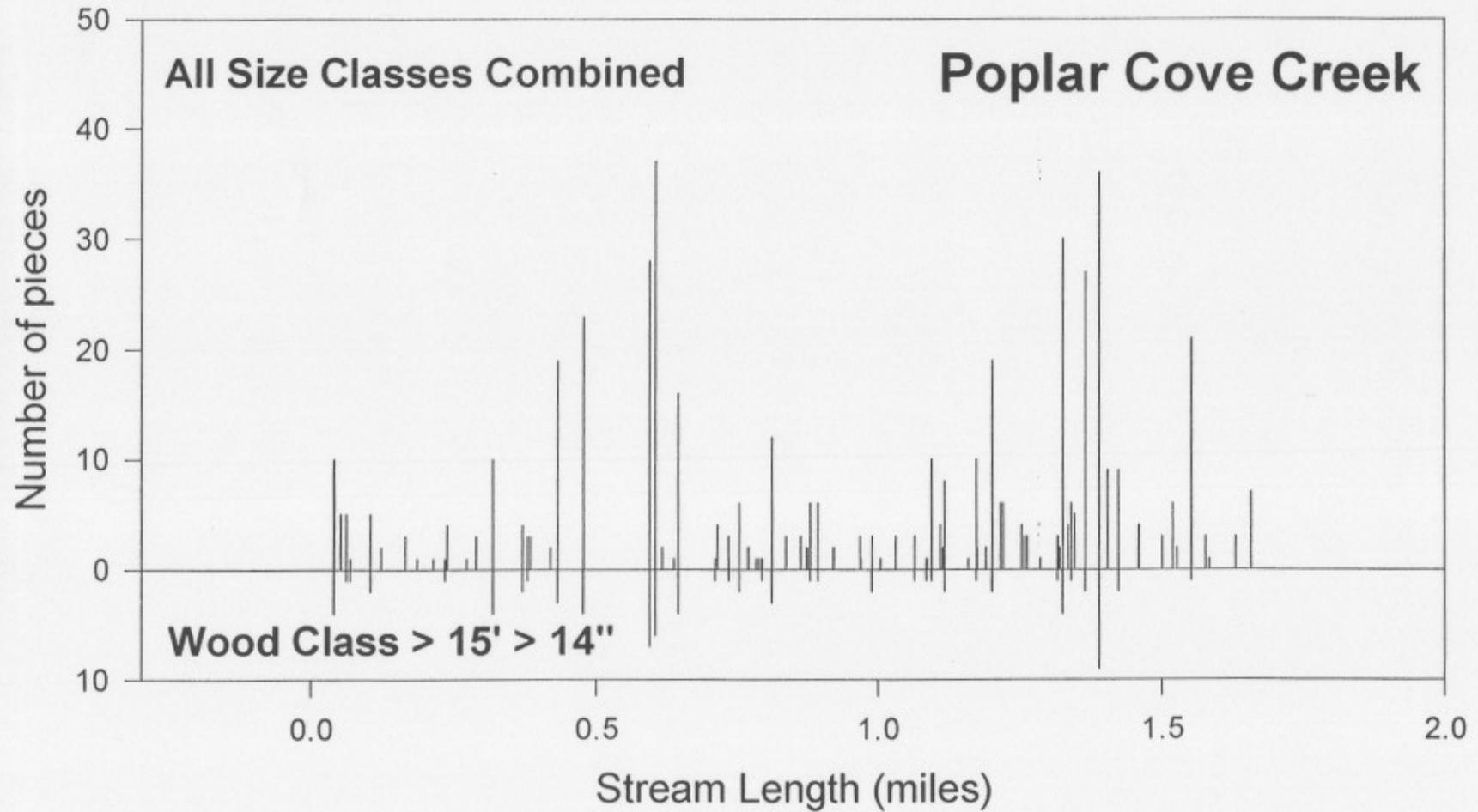
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Poplar Cove Creek



Large Woody Debris Distribution



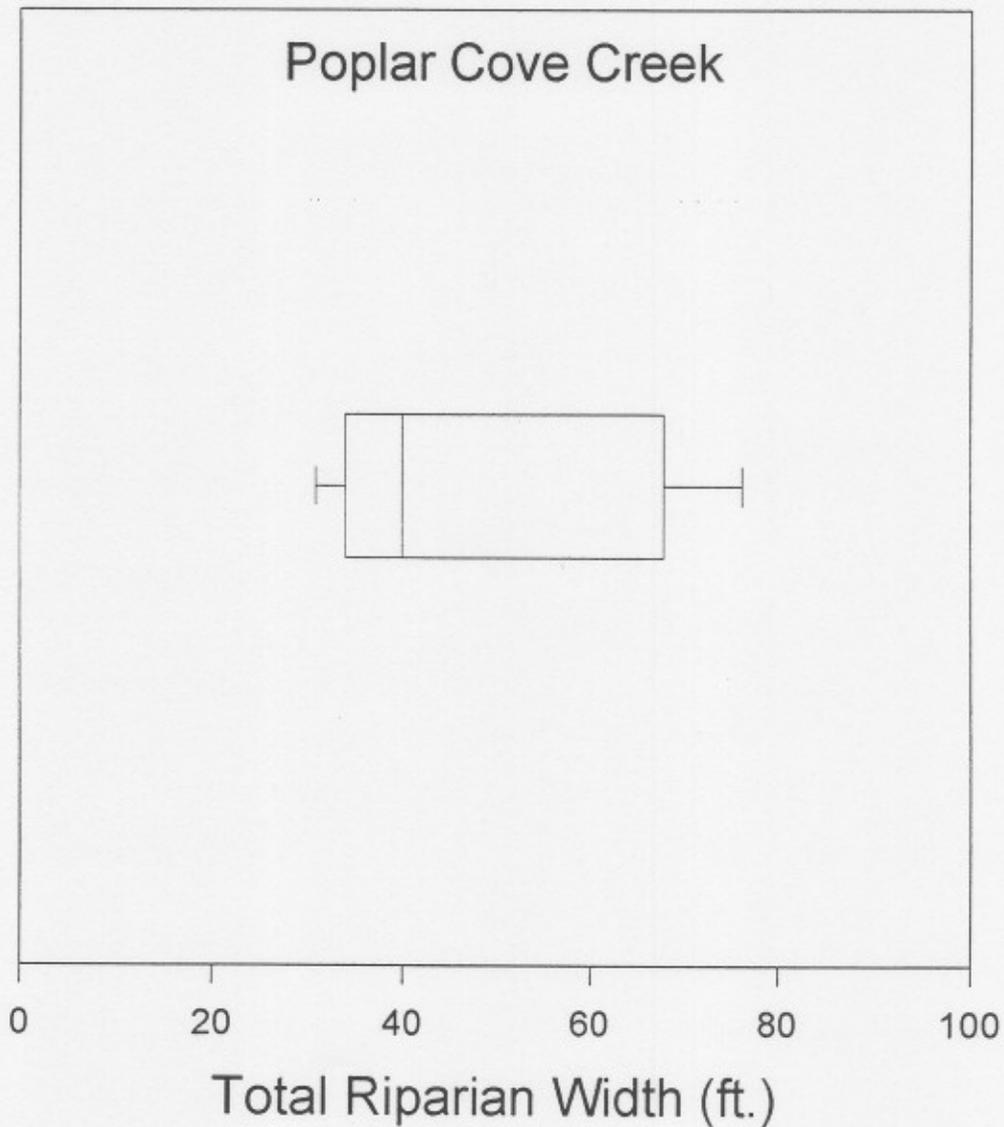
Riparian Width

Stream: Poplar Cove Creek

Number of measurements: 6

Mean width: 48.2 Std Dev: 19.5

Max: 77.2 Min: 30.4



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Reservoir Hollow

District: Pedlar

Quadrangle: Buena Vista

Sample Date: 8/10/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 1.36 miles

Percent of Total Area - Pools: 30.6%

Number of Pools: 95

Number of Pools per mile: 70

Total Pool Area: 16708.67 sq. ft. \pm 545.45

Mean Pool Area: 175.88 sq. ft.

Correction Factor: 0.99

Mean Maximum Depth: 1.7'

Mean Average Depth: 1.1'

Percent of Total Area - Riffles: 69.4%

Number of Riffles: 84

Number of Riffles per mile: 62

Total Riffle Area: 37841.27 sq. ft. \pm 8766.74

Mean Riffle Area: 450.49 sq. ft.

Correction Factor: 1.03

Mean Maximum Depth: 0.7'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 77.9

Wood < 15' and < 14": 38.2

Wood < 15' and > 14": 2.9

Wood > 15' and < 14": 29.4

Wood > 15' and > 14": 7.4

Mean Channel Width: 15.3'

Mean Riparian Width: 38.5'

Mean Maximum Riparian Distance (either side): 17.4'

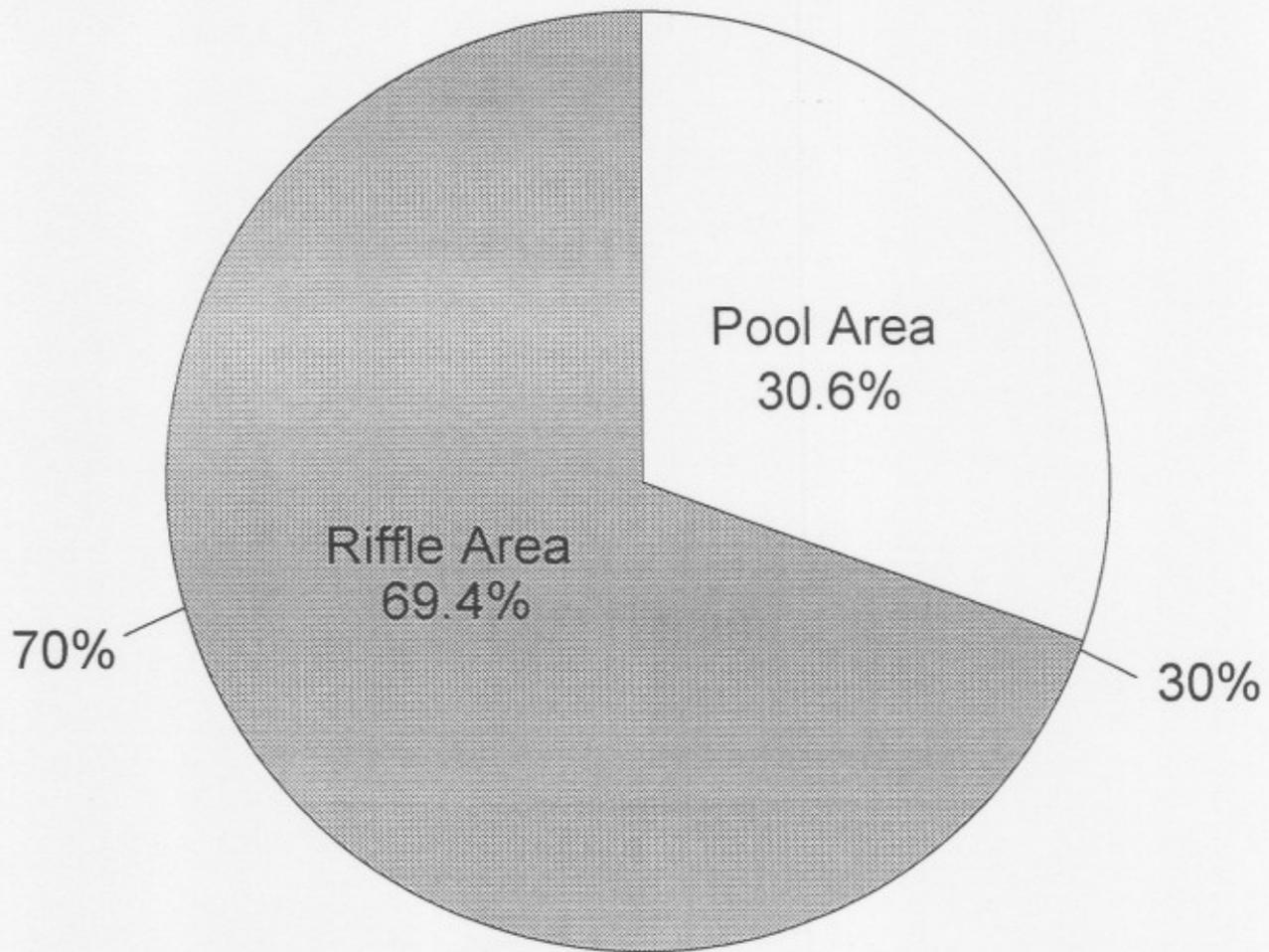
Mean Minimum Riparian Distance (either side): 5.8'

Maximum Riparian Width (Total): 77.3'

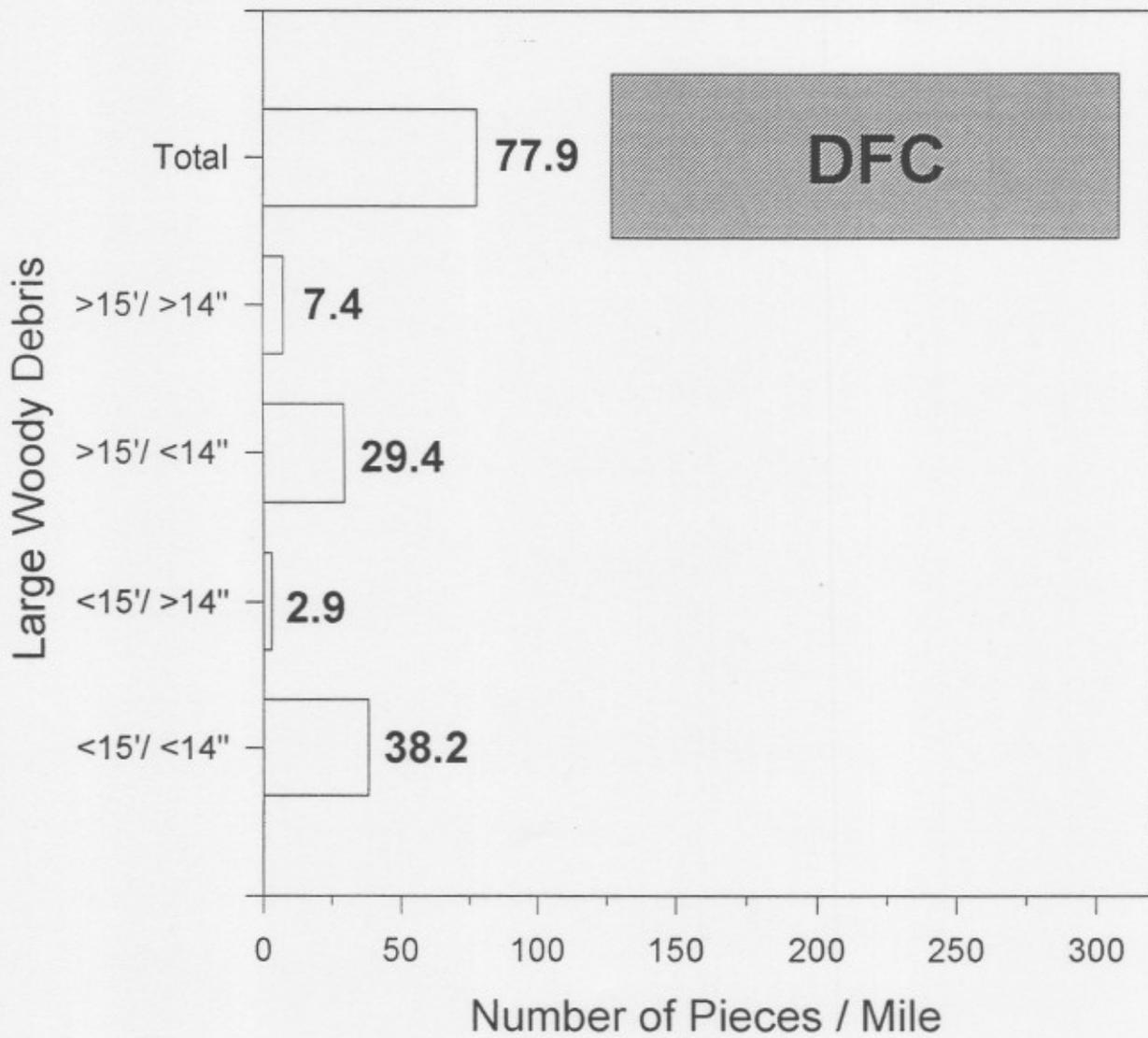
Minimum Riparian Width (Total): 18.9'

Reservoir Hollow

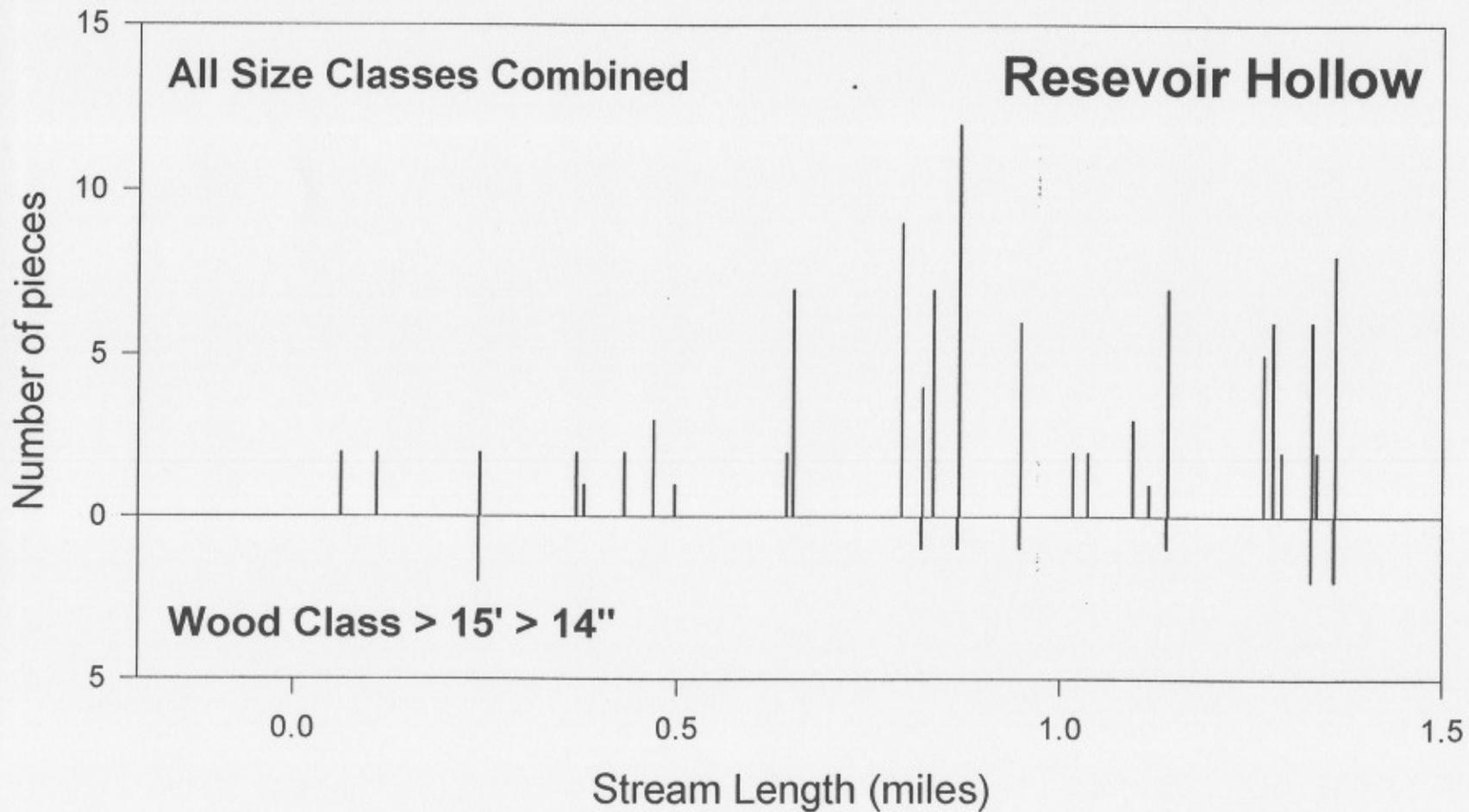
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Reservoir Hollow



Large Woody Debris Distribution



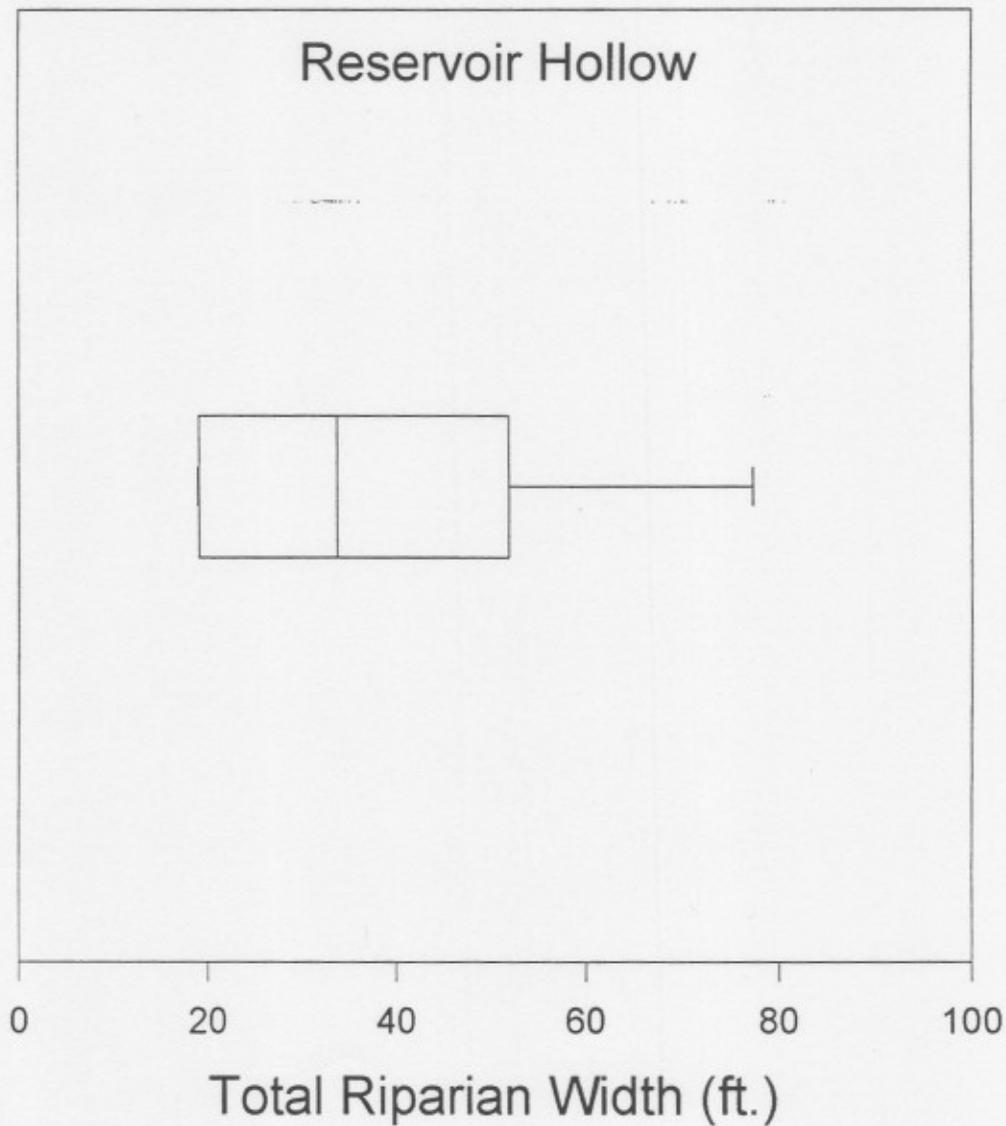
Riparian Width

Stream: Reservoir Hollow

Number of measurements: 5

Mean width: 38.5 Std Dev: 24.1

Max: 77.3 Min: 18.9



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Roberts Creek

District: Pedlar

Quadrangle: Buena Vista

Sample Date: 8/16/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 1.26 miles

Percent of Total Area - Pools: 36.7%

Number of Pools: 152

Number of Pools per mile: 121

Total Pool Area: 17791.12 sq. ft. \pm 733.71

Mean Pool Area: 117.05 sq. ft.

Correction Factor: 1.05

Mean Maximum Depth: 1.3'

Mean Average Depth: 0.9'

Percent of Total Area - Riffles: 63.3%

Number of Riffles: 131

Number of Riffles per mile: 104

Total Riffle Area: 30712.22 sq. ft. \pm 9234.82

Mean Riffle Area: 234.44 sq. ft.

Correction Factor: 1.03

Mean Maximum Depth: 0.7'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 154.0

Wood < 15' and < 14": 60.3

Wood < 15' and > 14": 3.2

Wood > 15' and < 14": 77.8

Wood > 15' and > 14": 12.7

Mean Channel Width: 18.4'

Mean Riparian Width: 75.7'

Mean Maximum Riparian Distance (either side): 41.3'

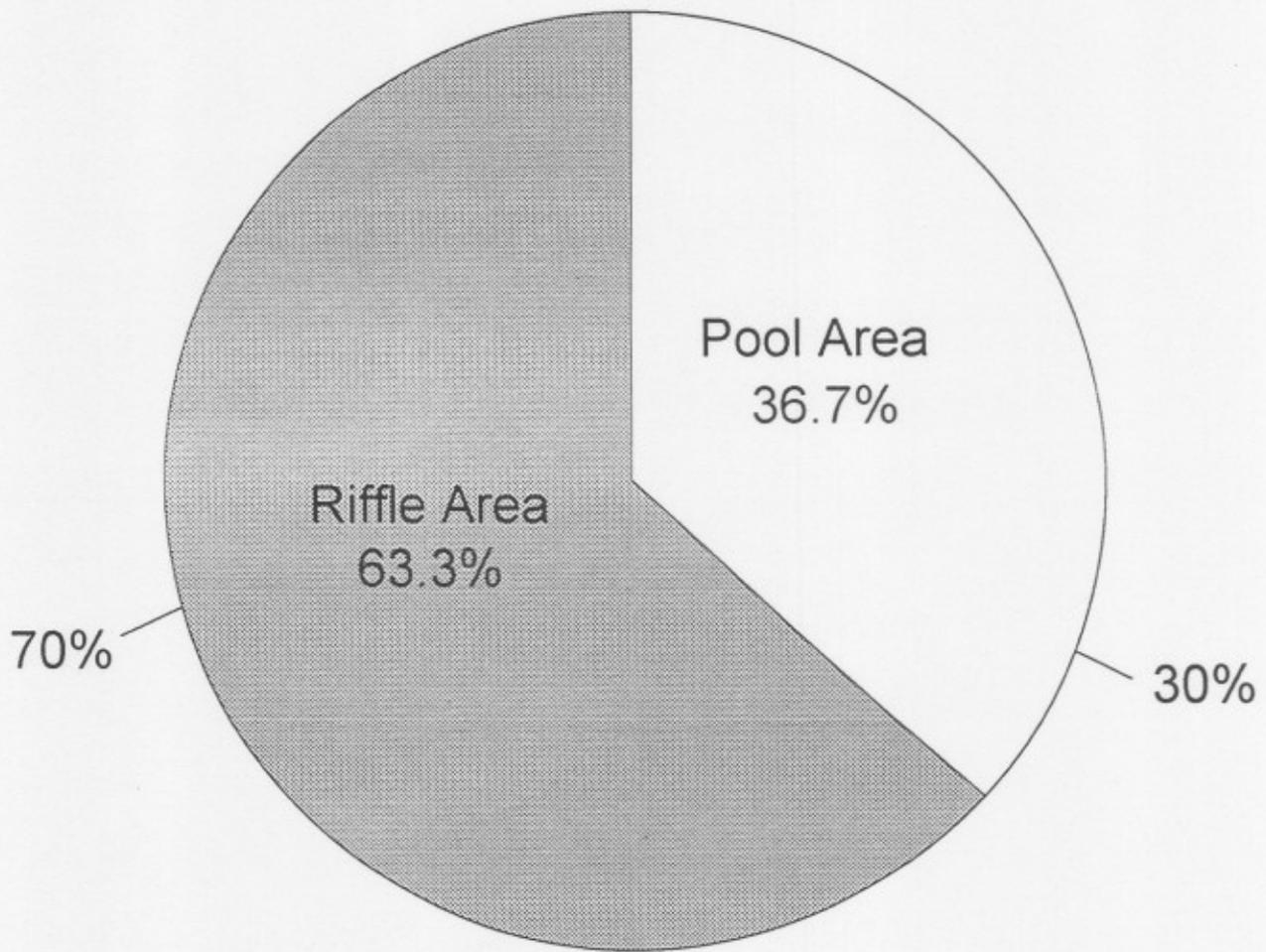
Mean Minimum Riparian Distance (either side): 16.0'

Maximum Riparian Width (Total): 162.5'

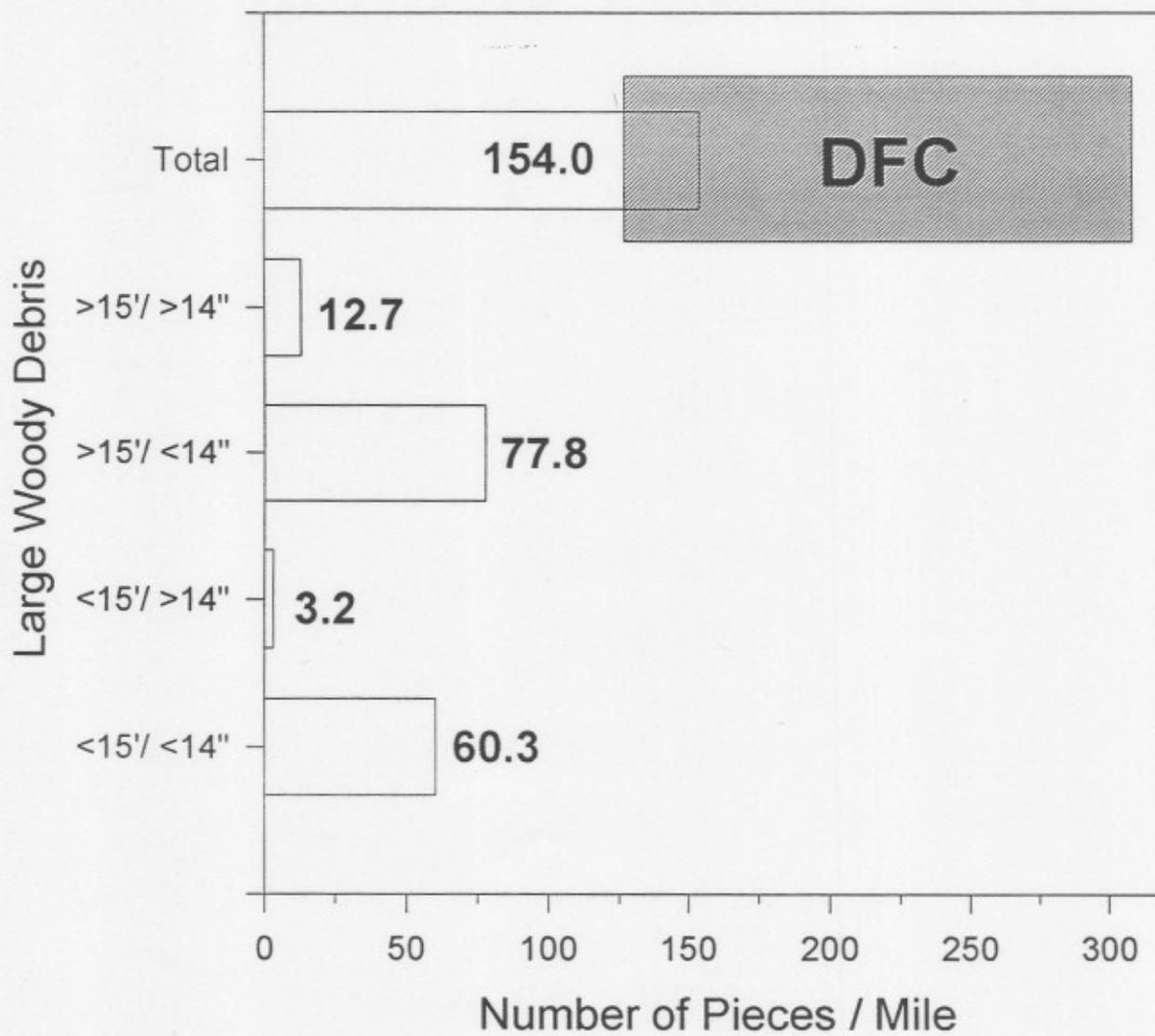
Minimum Riparian Width (Total): 45.5'

Roberts Creek

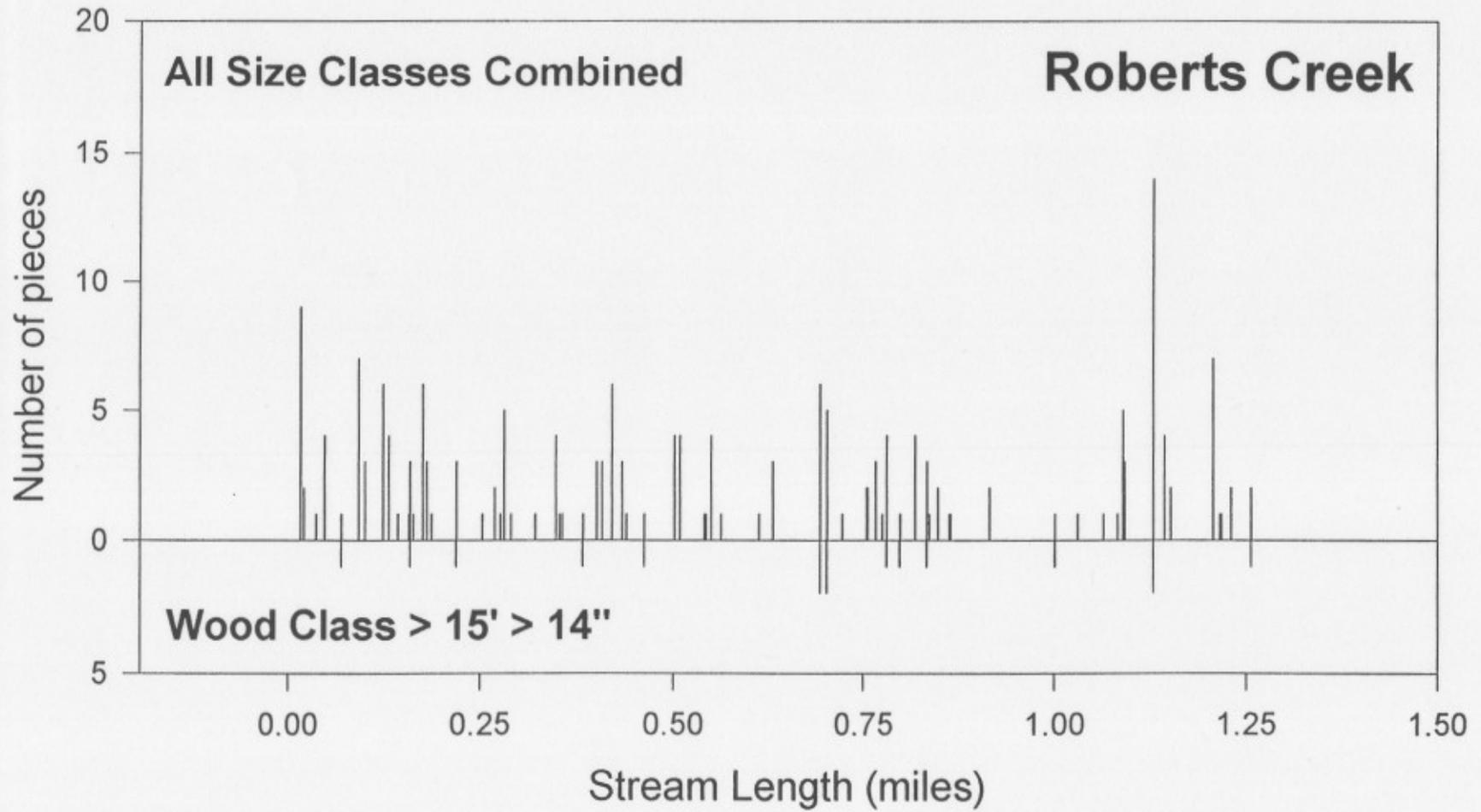
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Roberts Creek



Large Woody Debris Distribution



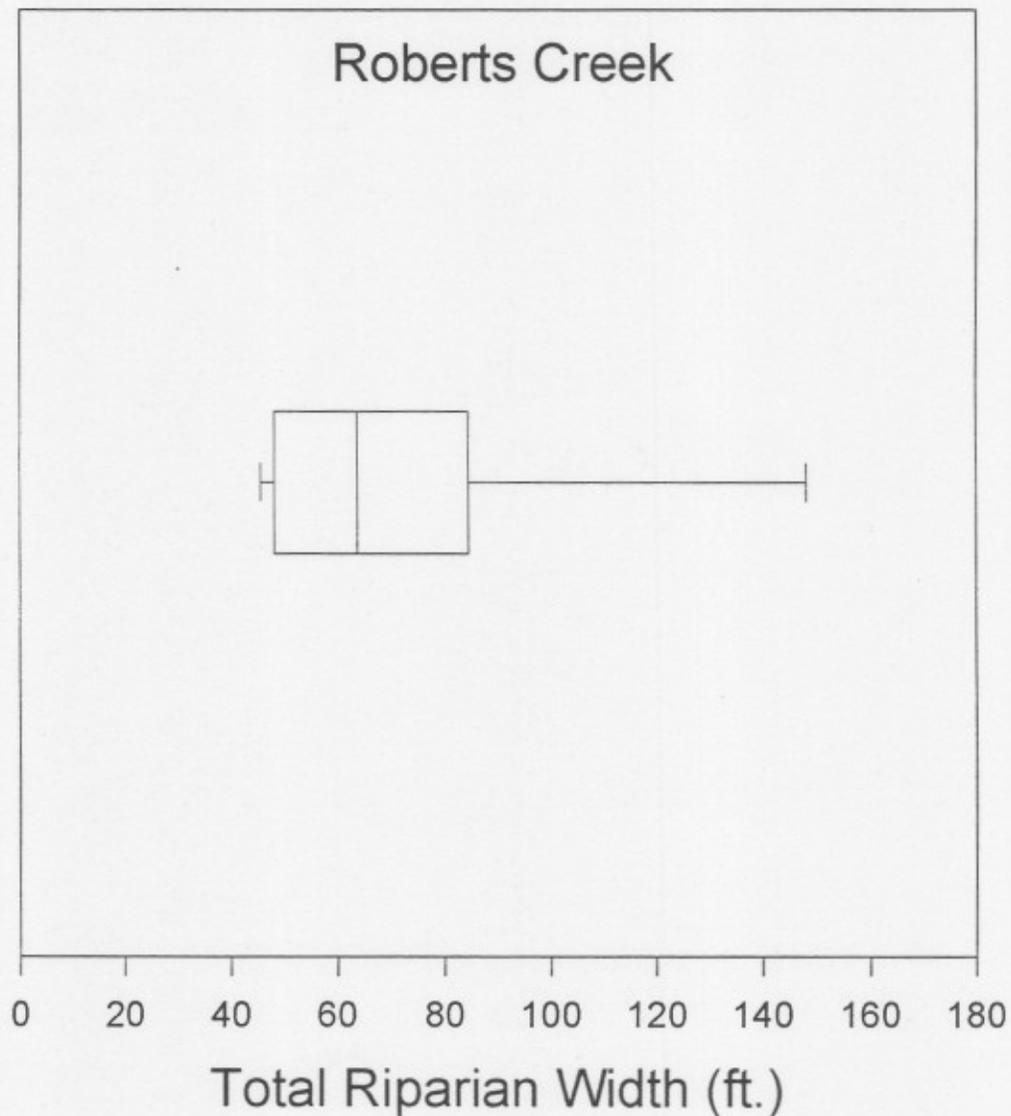
Riparian Width

Stream: Roberts Creek

Number of measurements: 7

Mean width: 75.7 Std Dev: 41.2

Max: 162.5 Min: 45.5



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Shady Mountain Creek

District: Pedlar

Quadrangle: Buena Vista

Sample Date: 8/16/95

Downstream Starting Point: confluence with Pedlar River

Total Distance Surveyed: 0.72 miles

Percent of Total Area - Pools: 47.2%

Number of Pools: 74

Number of Pools per mile: 103

Total Pool Area: 23307.17 sq. ft. \pm 482.73

Mean Pool Area: 314.96 sq. ft.

Correction Factor: 1.08

Mean Maximum Depth: 1.4'

Mean Average Depth: 0.9'

Percent of Total Area - Riffles: 52.8%

Number of Riffles: 71

Number of Riffles per mile: 99

Total Riffle Area: 26121.55 sq. ft. \pm 1485.69

Mean Riffle Area: 367.91 sq. ft.

Correction Factor: 1.17

Mean Maximum Depth: 0.8'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 291.7

Wood < 15' and < 14": 113.9

Wood < 15' and > 14": 26.4

Wood > 15' and < 14": 102.8

Wood > 15' and > 14": 48.6

Mean Channel Width: 15.9'

Mean Riparian Width: 45.8'

Mean Maximum Riparian Distance (either side): 18.6'

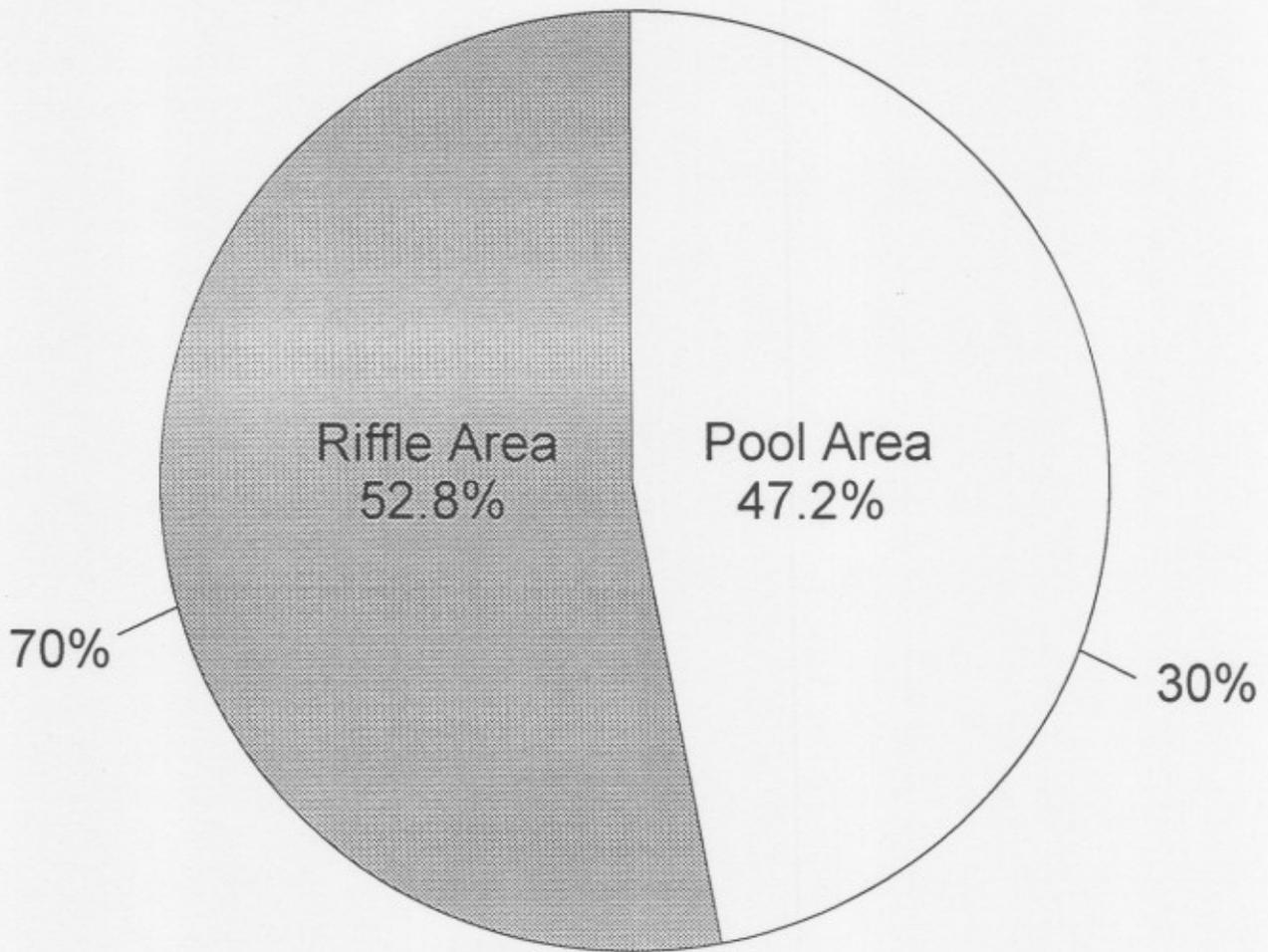
Mean Minimum Riparian Distance (either side): 11.3'

Maximum Riparian Width (Total): 58.8'

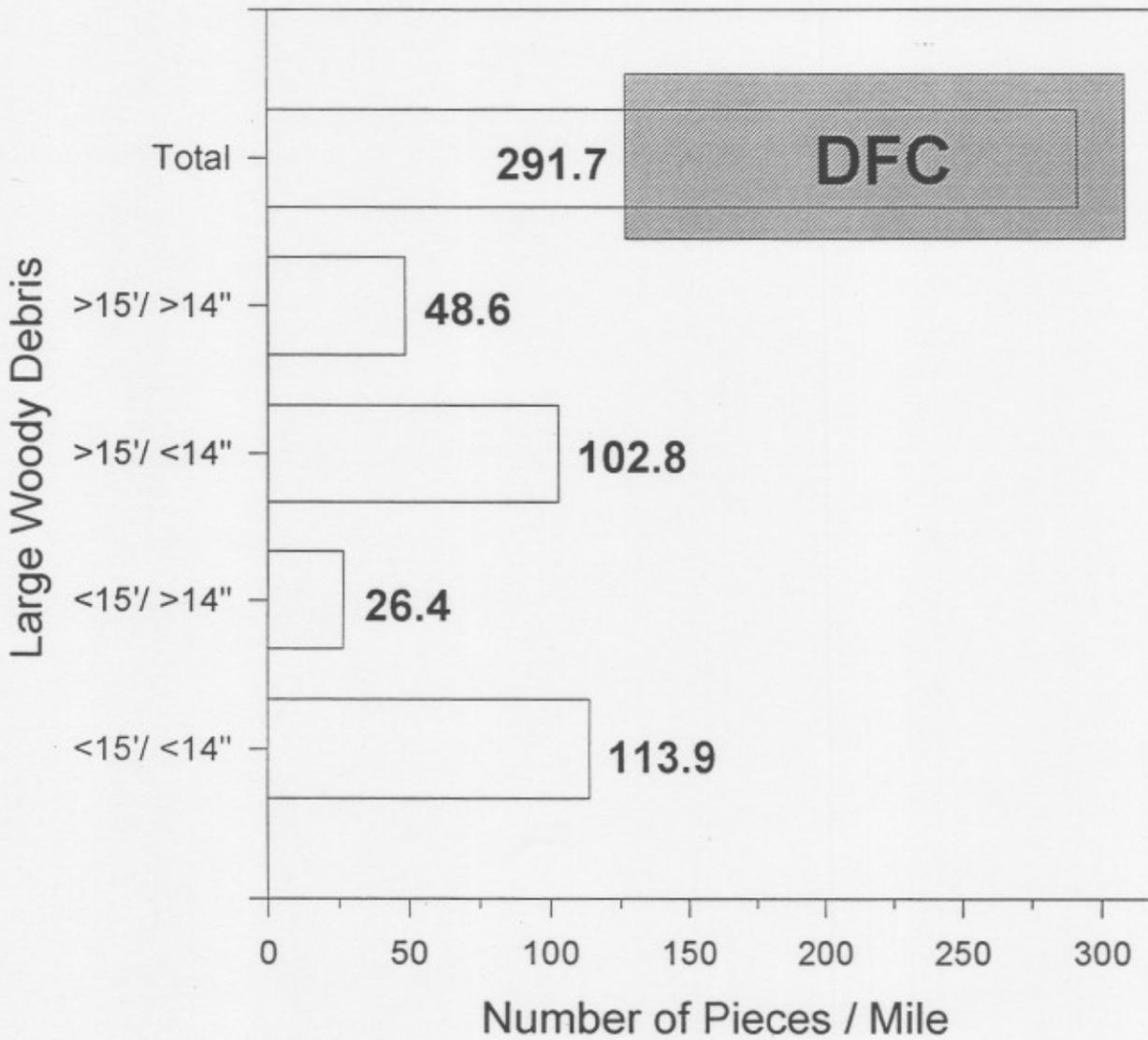
Minimum Riparian Width (Total): 31.3'

Shady Mountain Creek

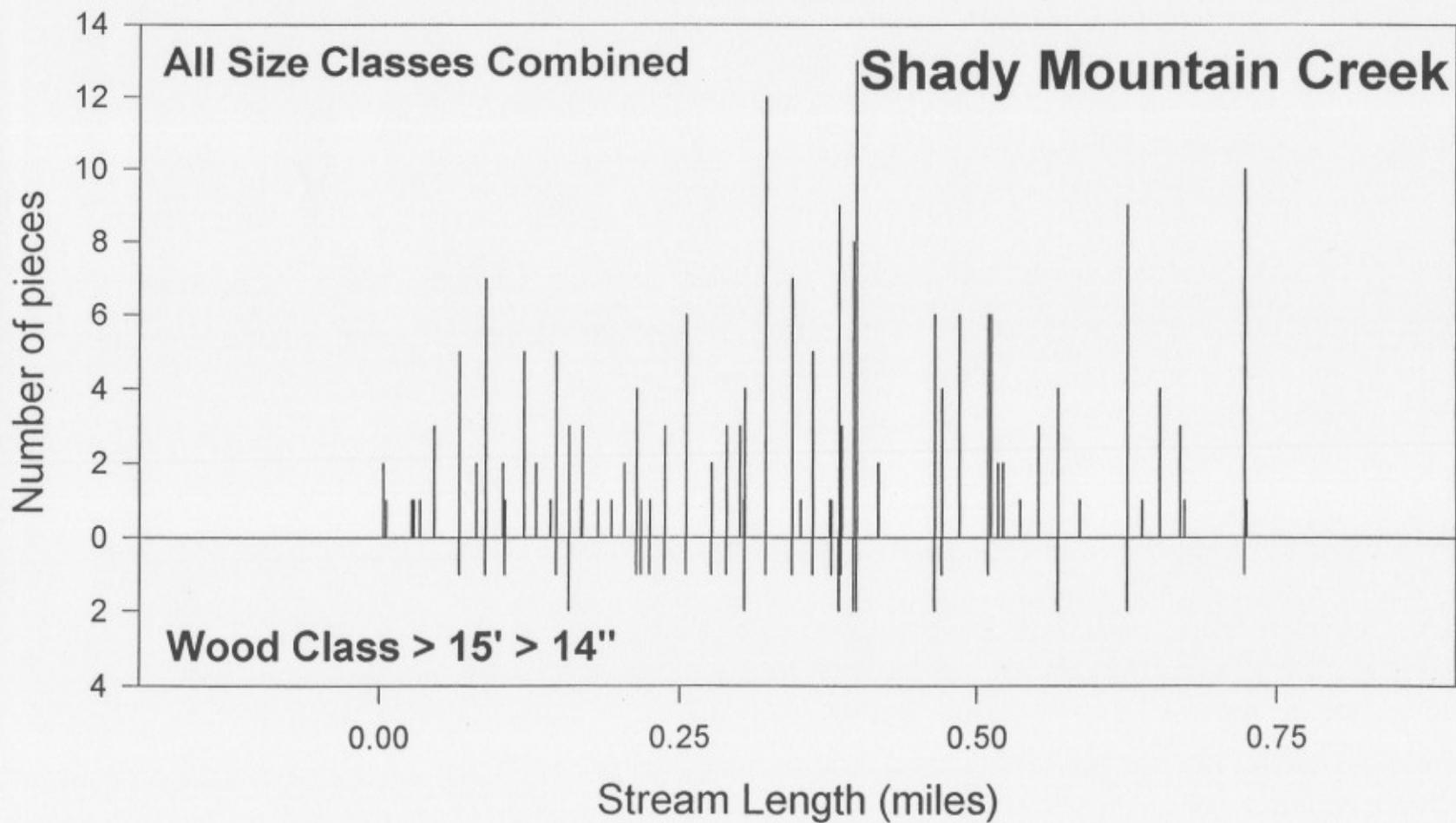
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Shady Mountain Creek



Large Woody Debris Distribution



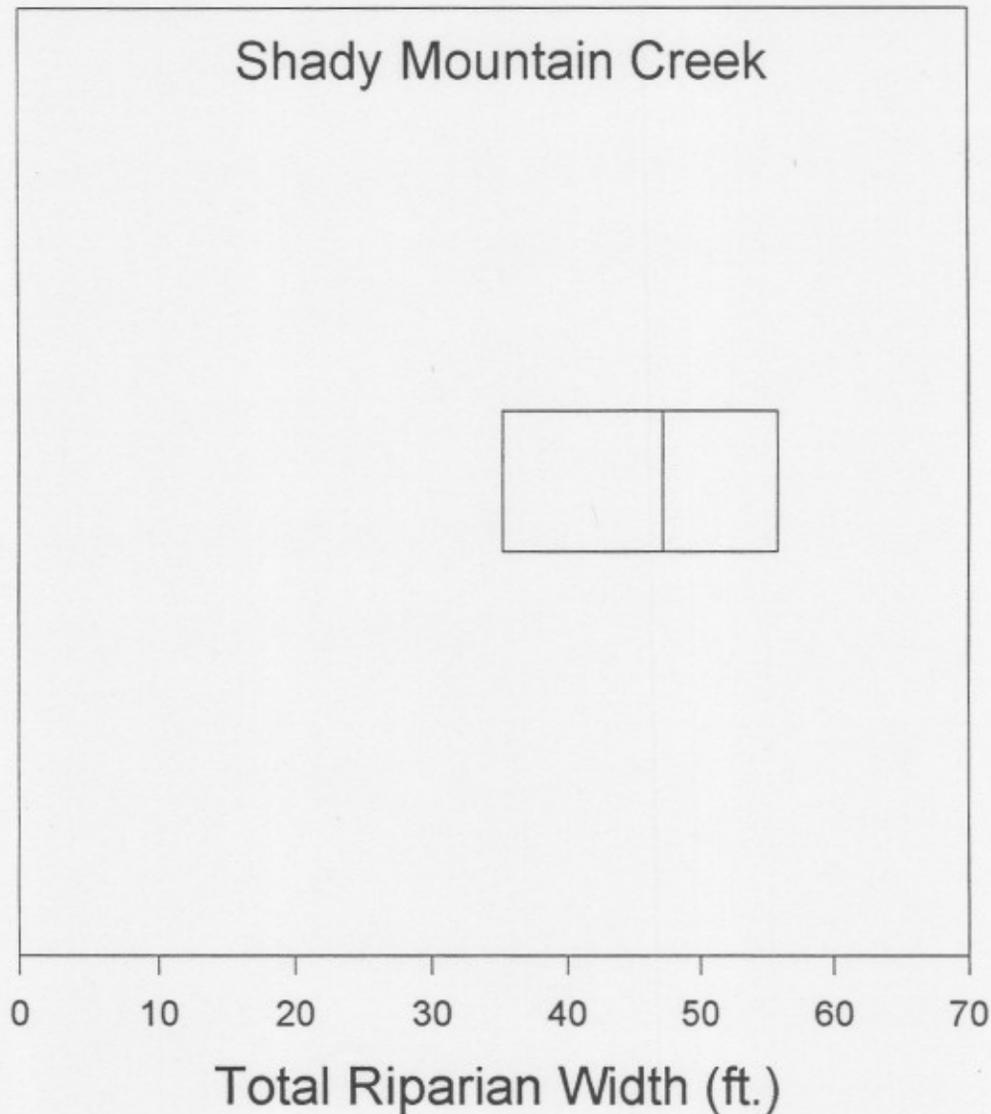
Riparian Width

Stream: Shady Mountain Creek

Number of measurements: 3

Mean width: 45.8 Std Dev: 13.8

Max: 58.8 Min: 31.3



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Swapping Camp Creek

District: Pedlar

Quadrangle: Buena Vista

Sample Date: 9/6/95

Downstream Starting Point: confluence with Lynchburg Res.

Total Distance Surveyed: 0.32 miles

Percent of Total Area - Pools: 34.9%

Number of Pools: 43

Number of Pools per mile: 134

Total Pool Area: 5829.79 sq. ft.

Mean Pool Area: 135.58 sq. ft.

Correction Factor: 1.02

Mean Maximum Depth: 0.9'

Mean Average Depth: 0.5'

Percent of Total Area - Riffles: 65.1%

Number of Riffles: 30

Number of Riffles per mile: 94

Total Riffle Area: 10869.53 sq. ft.

Mean Riffle Area: 362.32 sq. ft.

Correction Factor: 1.09

Mean Maximum Depth: 0.4'

Mean Average Depth: 0.2'

Number of Large Woody Debris Pieces per Mile: 181.3

Wood < 15' and < 14": 65.6

Wood < 15' and > 14": 12.5

Wood > 15' and < 14": 84.4

Wood > 15' and > 14": 18.8

Mean Channel Width: 24.5'

Mean Riparian Width: 111.5'

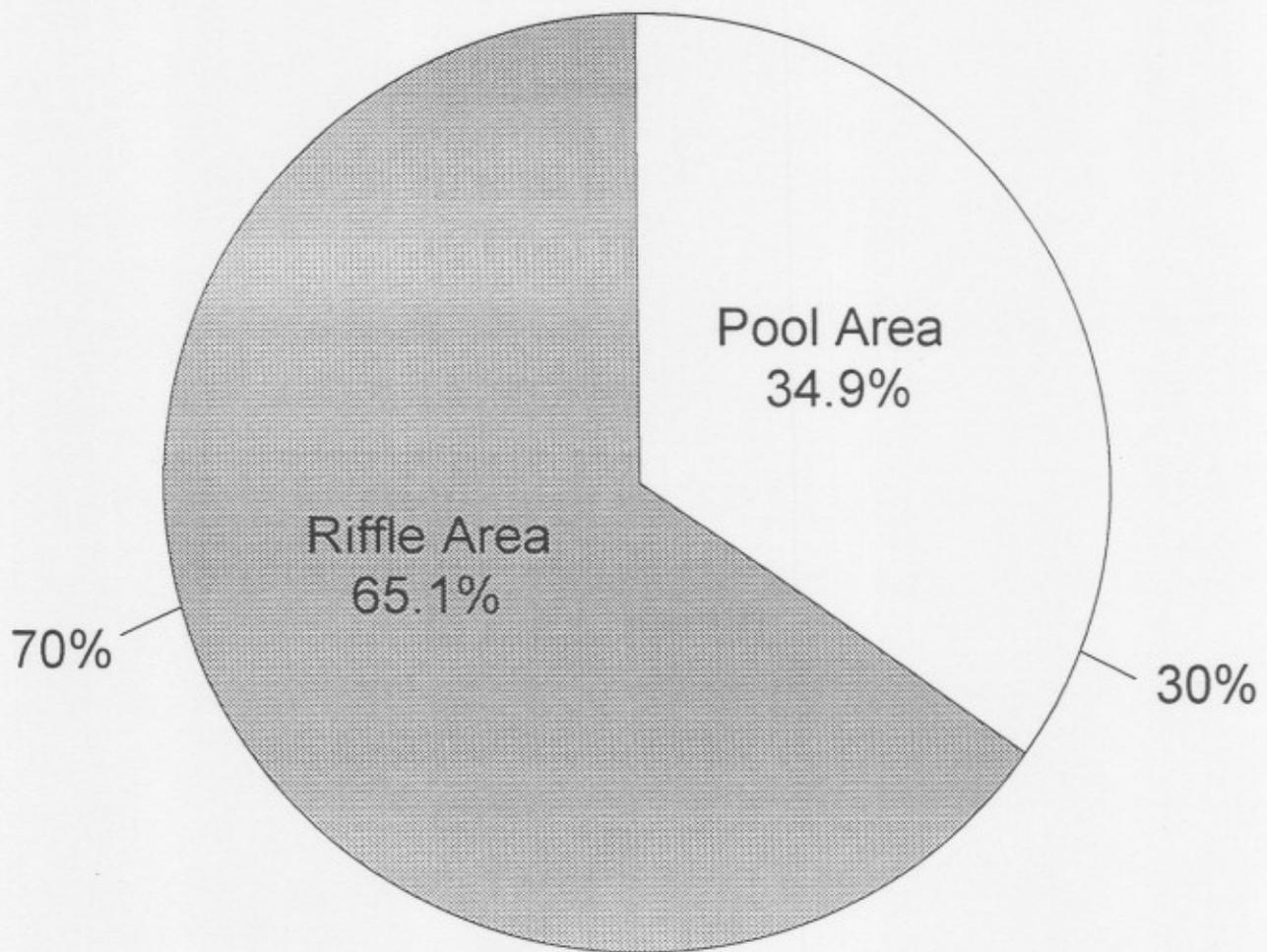
Mean Maximum Riparian Distance (either side): 63.0'

Mean Minimum Riparian Distance (either side): 24.0'

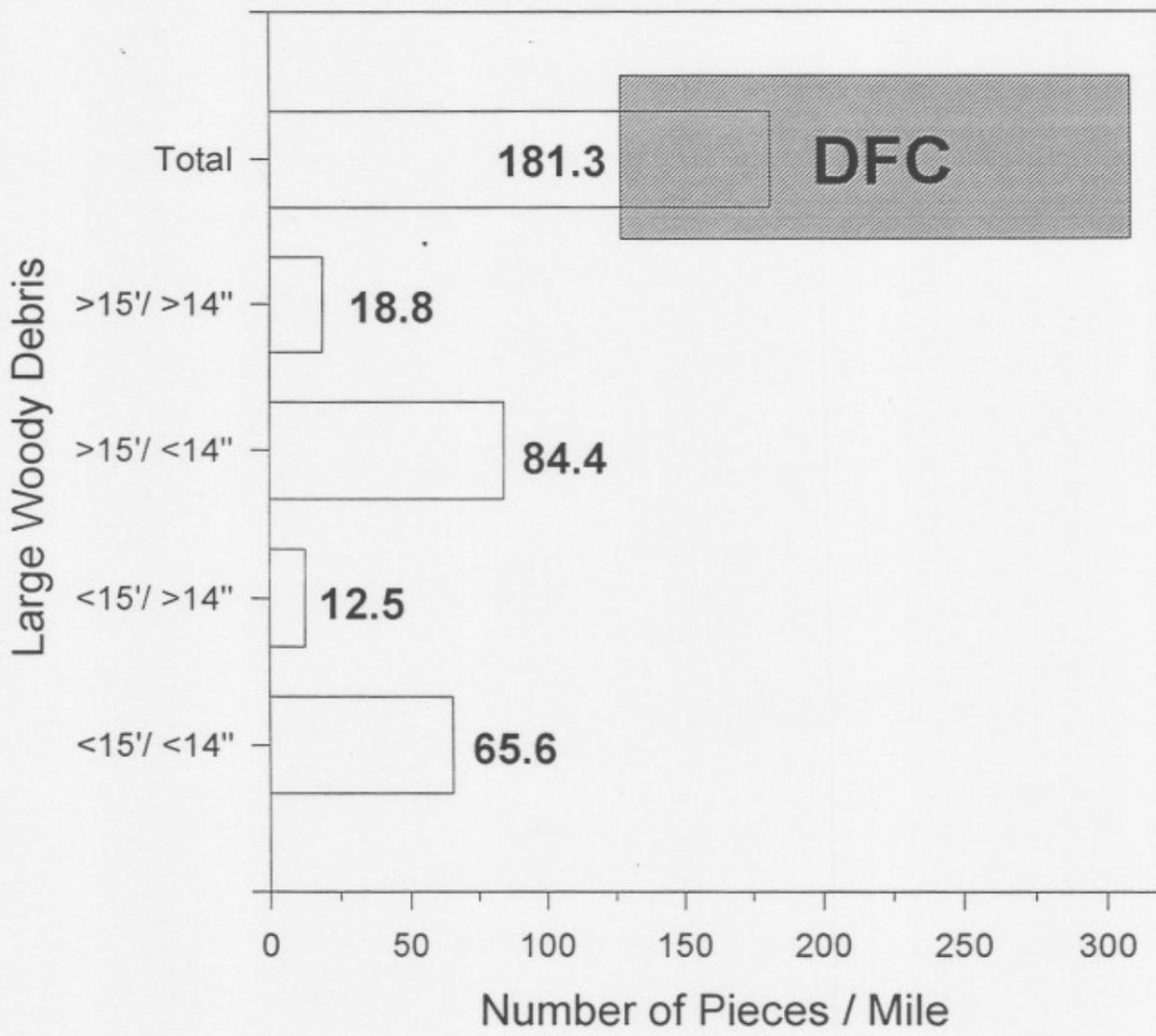
Maximum Riparian Width (Total): 125.0'

Minimum Riparian Width (Total): 98.0'

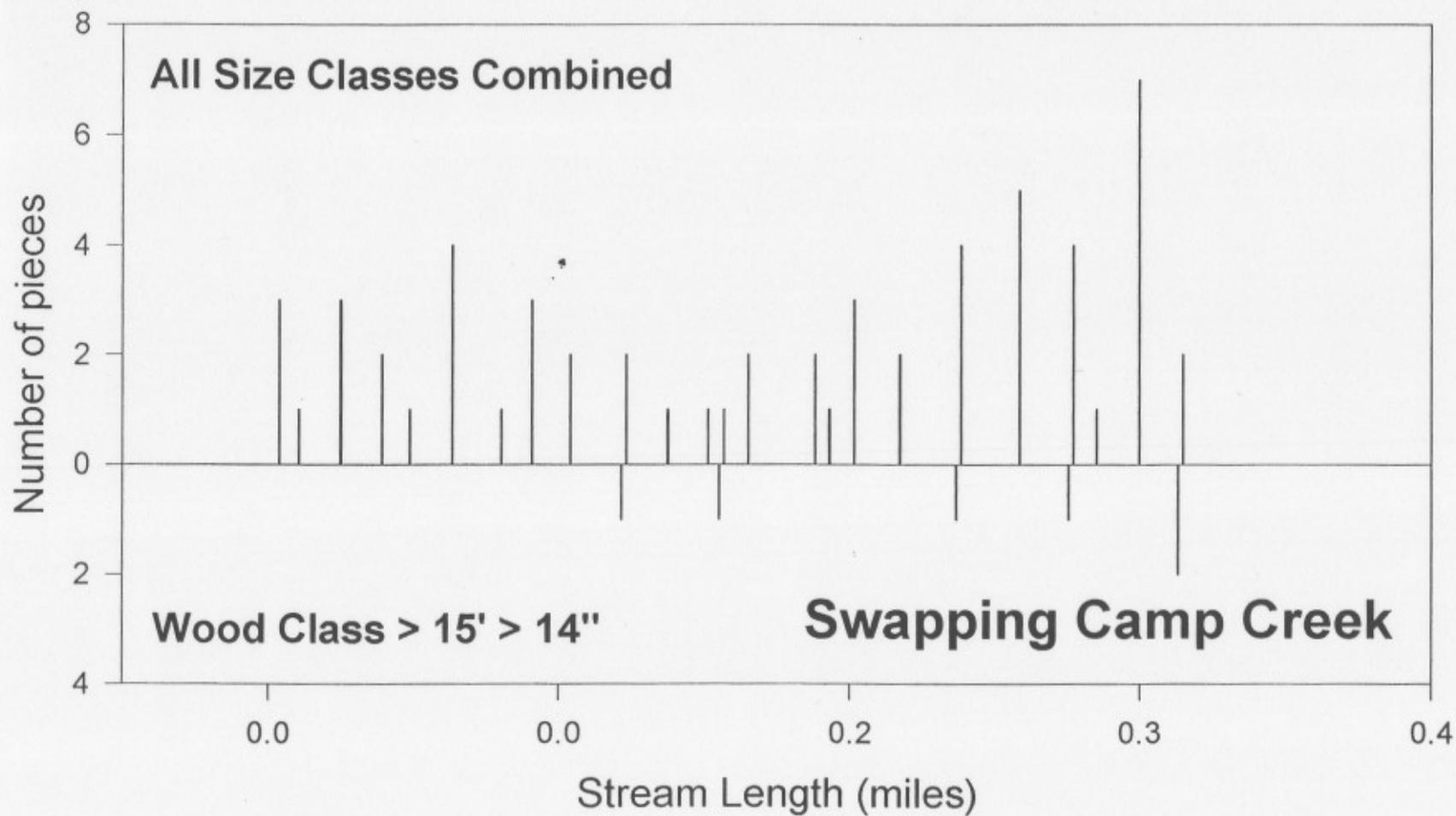
Swapping Camp Creek
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Swapping Camp Creek



Large Woody Debris Distribution



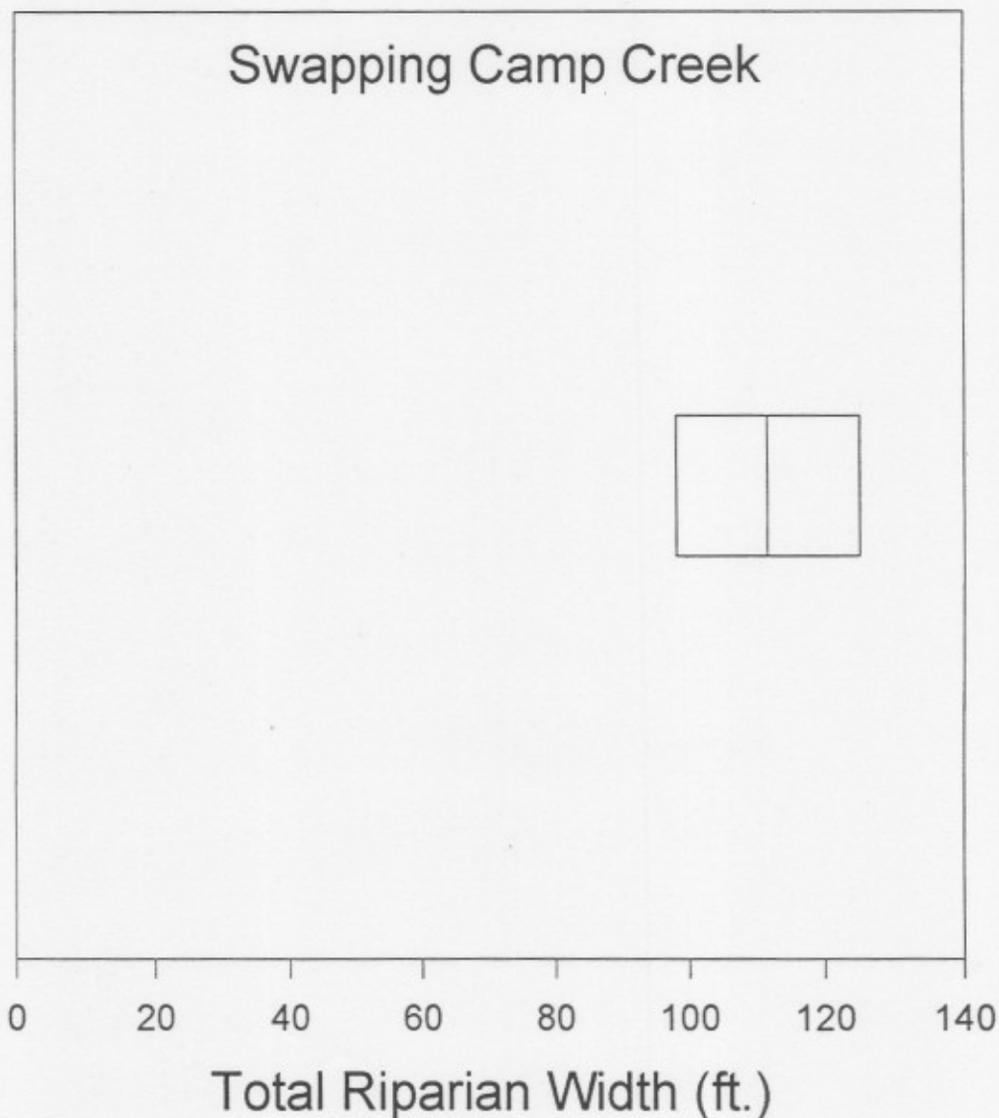
Riparian Width

Stream: Swapping Camp Creek

Number of measurements: 2

Mean width: 115.5 Std Dev: 19.1

Max: 125.0 Min: 98.0



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Cornwall Quadrangle

Stream: Irish Creek

District: Pedlar

Quadrangle: Cornwall

Sample Date: 7/27/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 4.63 miles

Percent of Total Area - Pools: 35.7%

Number of Pools: 115

Number of Pools per mile: 25

Total Pool Area: 213232.97 sq. ft. \pm 42252.02

Mean Pool Area: 1854.20 sq. ft.

Correction Factor: 0.89

Mean Maximum Depth: 2.6'

Mean Average Depth: 2.1'

Percent of Total Area - Riffles: 64.3%

Number of Riffles: 91

Number of Riffles per mile: 20

Total Riffle Area: 383892.62 sq. ft. \pm 137391.60

Mean Riffle Area: 4218.60 sq. ft.

Correction Factor: 0.99

Mean Maximum Depth: 1.6'

Mean Average Depth: 1.0'

Number of Large Woody Debris Pieces per Mile: 14.2

Wood < 15' and < 14": 8.4

Wood < 15' and > 14": 1.5

Wood > 15' and < 14": 3.7

Wood > 15' and > 14": 0.6

Mean Channel Width: 49.5'

Mean Riparian Width: 148.0'

Mean Maximum Riparian Distance (either side): 91.3'

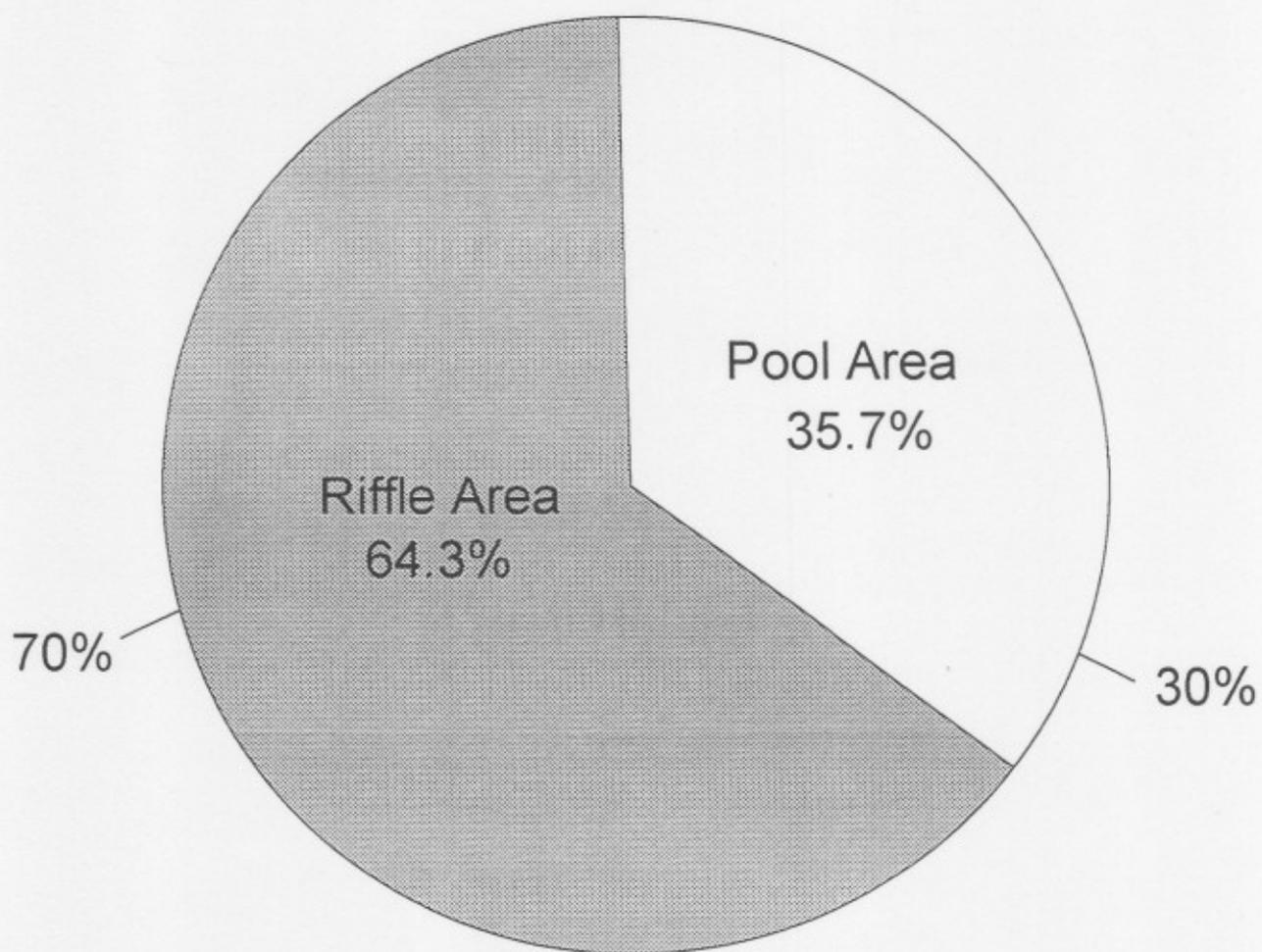
Mean Minimum Riparian Distance (either side): 7.3'

Maximum Riparian Width (Total): 333.6'

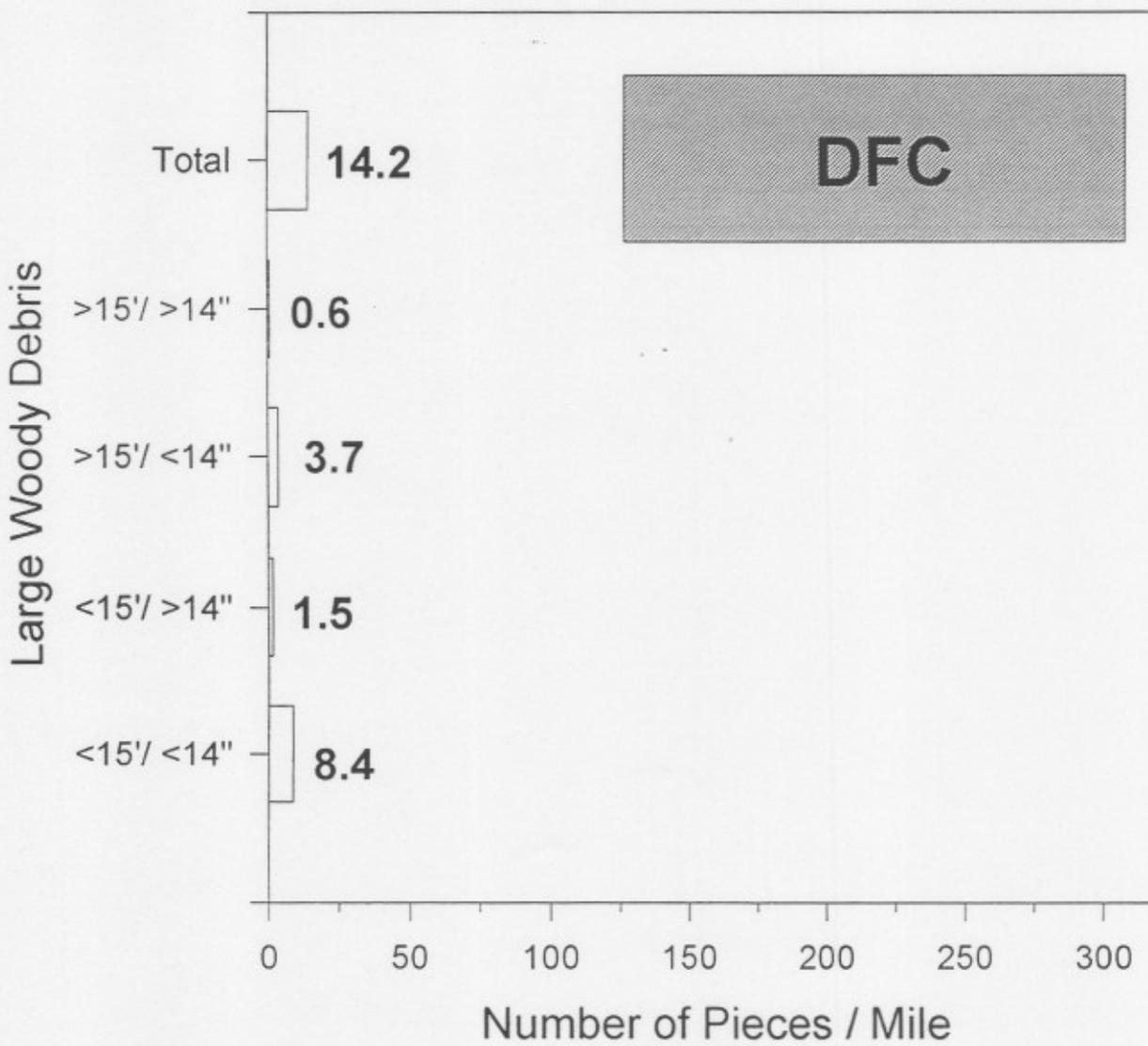
Minimum Riparian Width (Total): 67.3'

Irish Creek

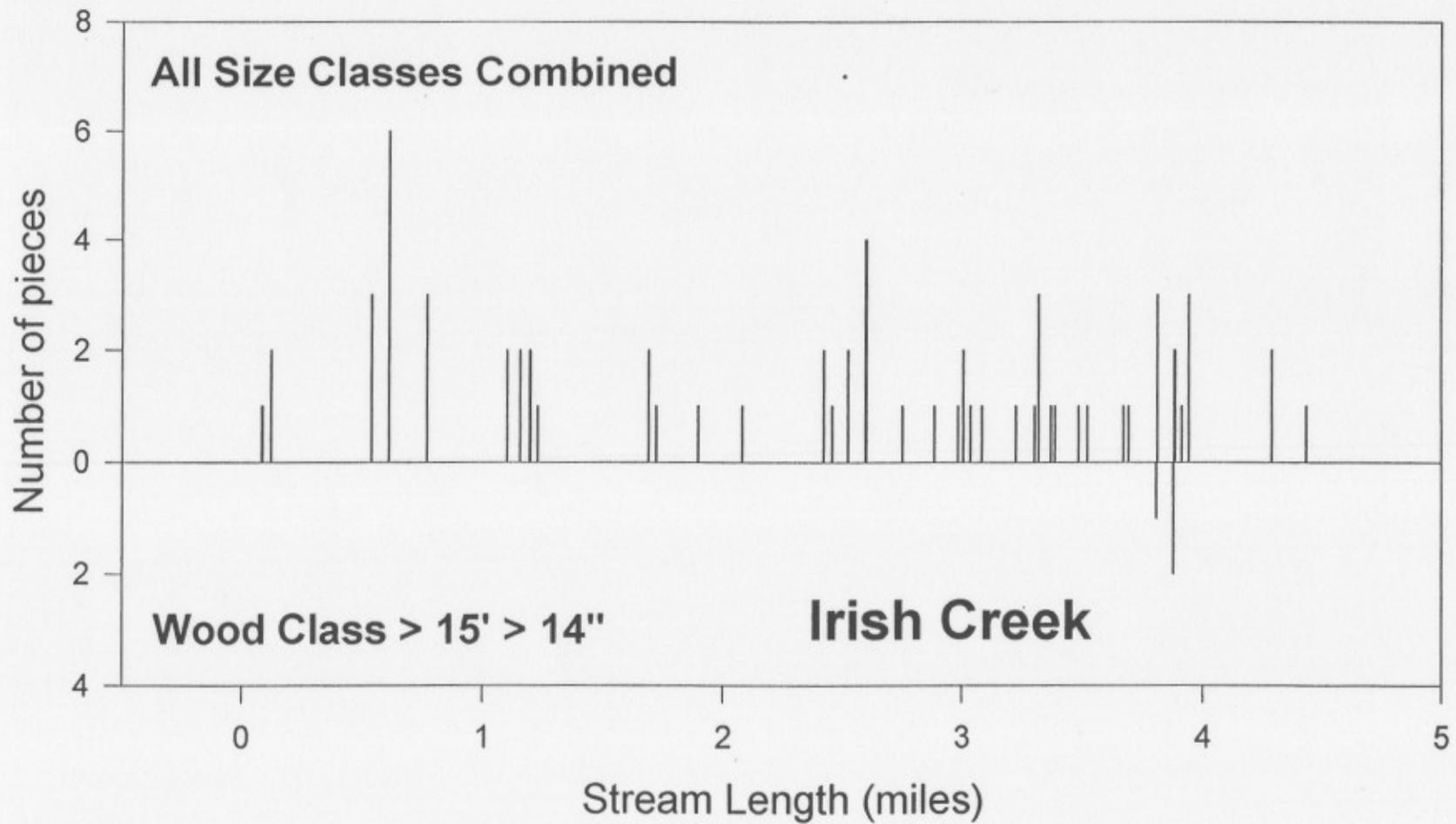
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Irish Creek



Large Woody Debris Distribution



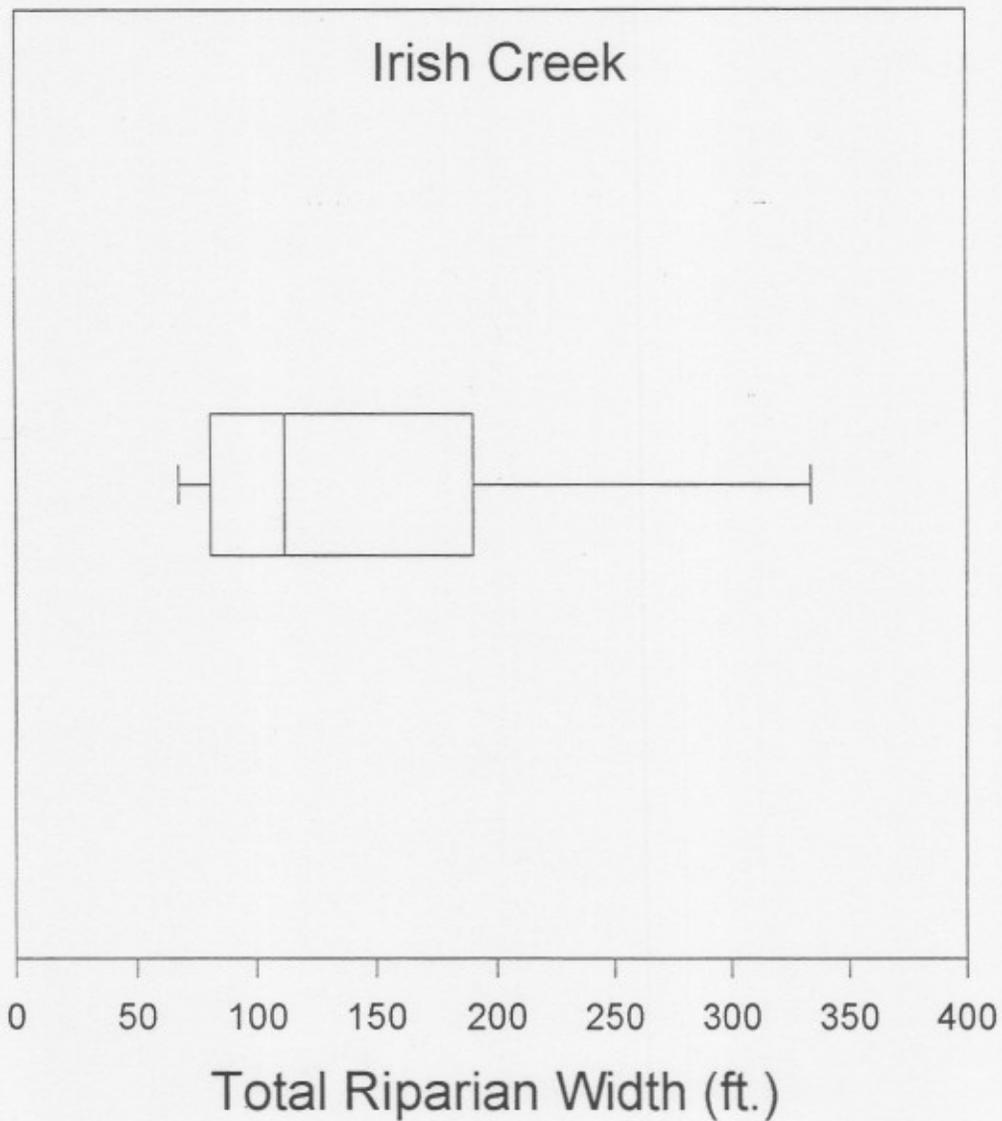
Riparian Width

Stream: Irish Creek

Number of measurements: 5

Mean width: 148.0 Std Dev: 48.1

Max: 333.6 Min: 67.3



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Forks of Buffalo Quadrangle

Stream: 51 C Tributary

District: Pedlar

Quadrangle: Forks of Buffalo

Sample Date: 7/21/89

Downstream Starting Point: confl. With N. F. Buffalo R.

Total Distance Surveyed: 0.73 miles

Percent of Total Area - Pools: 25.7%

Number of Pools: 86

Number of Pools per mile: 148

Total Pool Area: 3531.74 ± 93.76 sq. ft.

Mean Pool Area: 41.1 sq. ft.

Correction Factor: 0.89

Mean Maximum Depth: 1.3'

Mean Average Depth: 0.9'

Percent of Total Area - Riffles: 74.3%

Number of Riffles: 54

Number of Riffles per mile: 93

Total Riffle Area: 10209.95 ± 66.32 sq. ft.

Mean Riffle Area: 189.1 sq. ft.

Correction Factor: 0.92

Mean Maximum Depth: 0.7'

Mean Average Depth: 0.5'

Number of Large Woody Debris Pieces per Mile: 91.3

Wood < 15' and < 14": 53.4

Wood < 15' and > 14": 15.1

Wood > 15' and < 14": 15.1

Wood > 15' and > 14": 6.8

Mean Channel Width: Not Measured

Mean Riparian Width: Not Measured

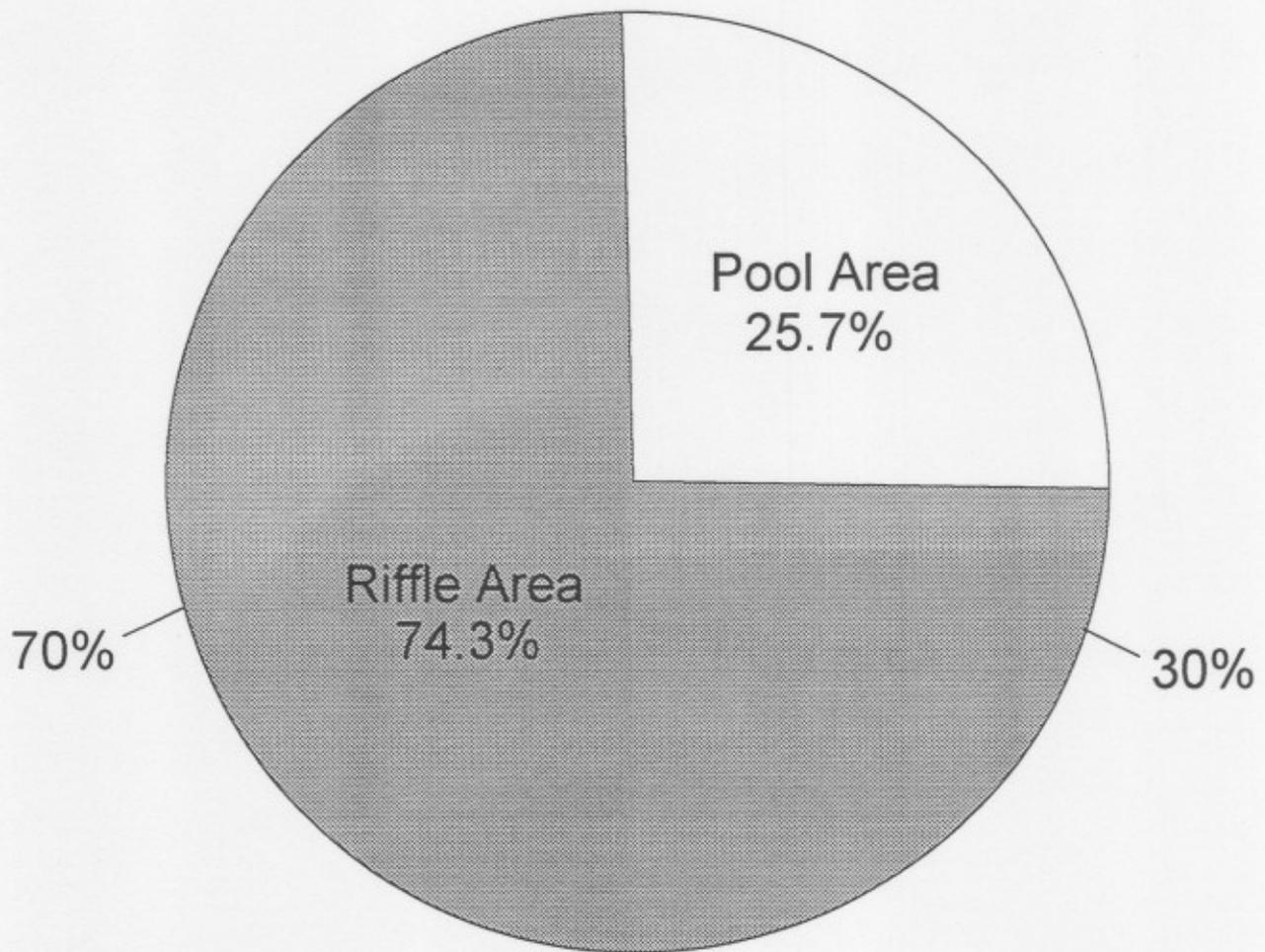
Mean Maximum Riparian Distance : Not Measured

Mean Minimum Riparian Distance : Not Measured

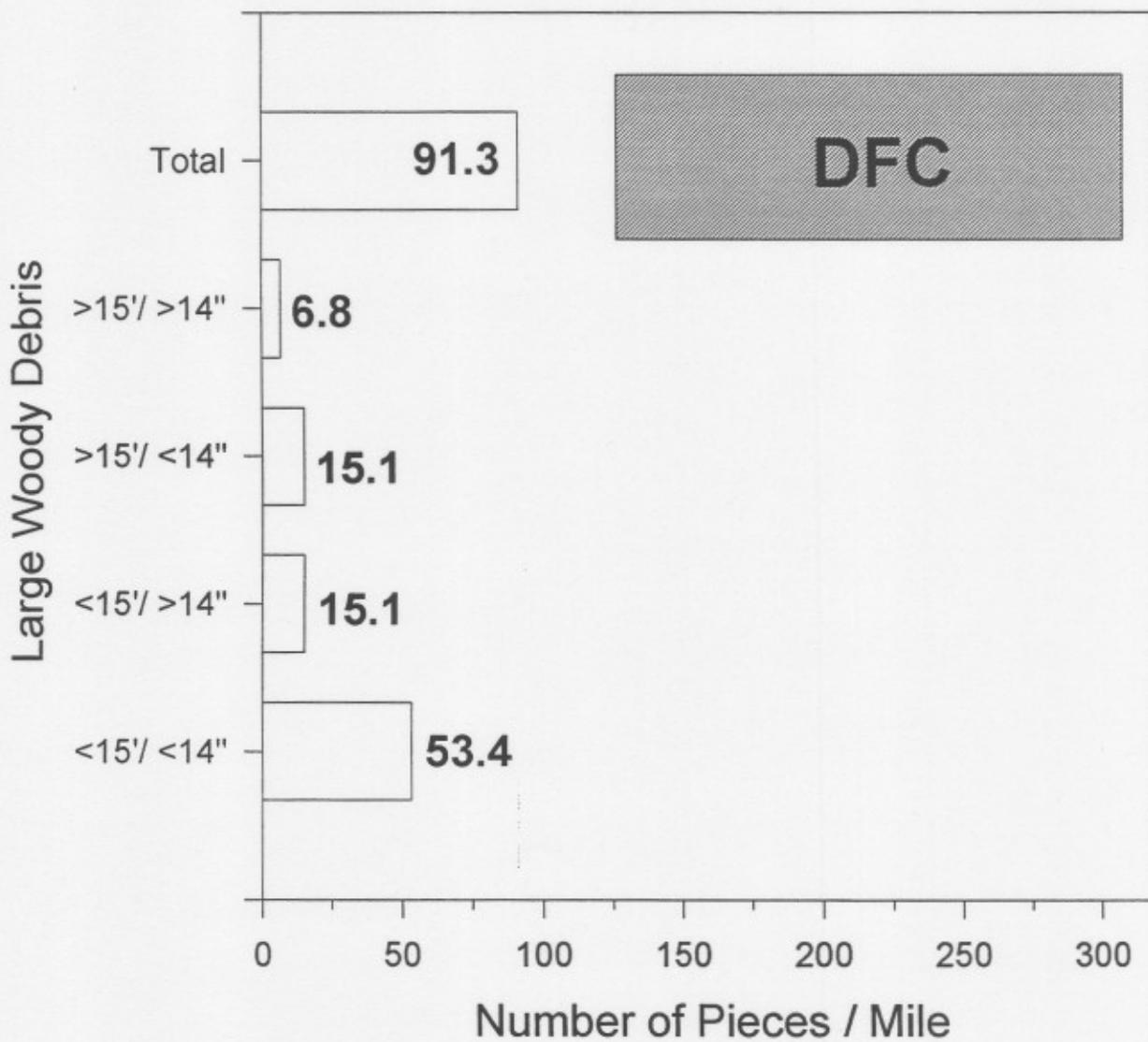
Maximum Riparian Width (Total): Not Measured

Minimum Riparian Width (Total): Not Measured

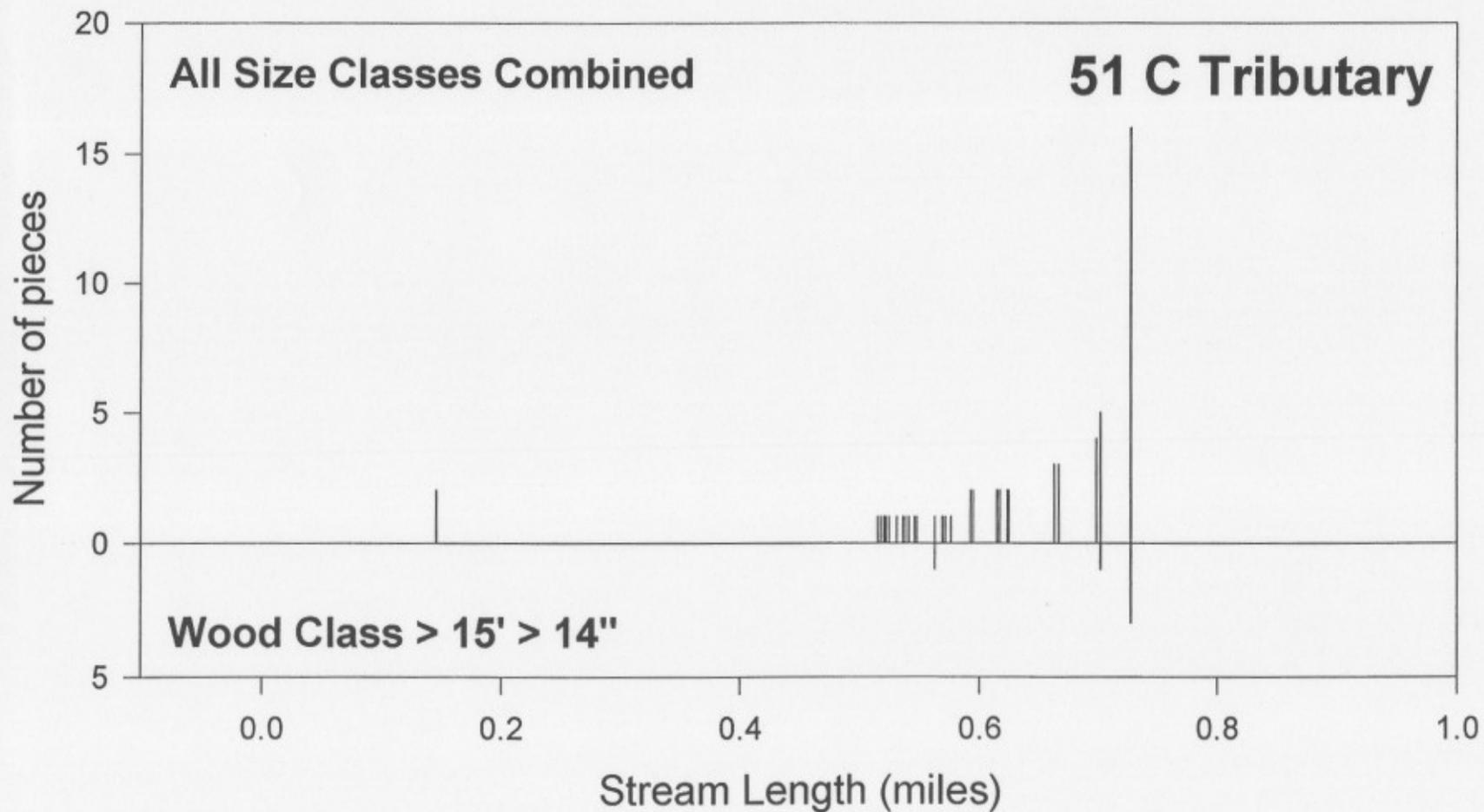
51 C Tributary
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



51 C Tributary



Large Woody Debris Distribution



Stream: Little Cove Creek

District: Pedlar

Quadrangle: Forks of Buffalo

Sample Date: 7/21/89

Downstream Starting Point: confl. with N. F. Buffalo R.

Total Distance Surveyed: 1.0 miles

Percent of Total Area - Pools: 29.2%

Number of Pools: 123

Number of Pools per mile: 123

Total Pool Area: 6768.21 ± 498.50 sq. ft.

Mean Pool Area: 55.0 sq. ft.

Correction Factor: 1.04

Mean Maximum Depth: 1.8'

Mean Average Depth: 1.2'

Percent of Total Area - Riffles: 70.8%

Number of Riffles: 114

Number of Riffles per mile: 114

Total Riffle Area: 16388.23 ± 1061.35 sq. ft.

Mean Riffle Area: 143.8 sq. ft.

Correction Factor: 1.05

Mean Maximum Depth: 1.1'

Mean Average Depth: 0.6'

Number of Large Woody Debris Pieces per Mile: 239.0

Wood < 15' and < 14": 173.0

Wood < 15' and > 14": 14.0

Wood > 15' and < 14": 44.0

Wood > 15' and > 14": 8.0

Mean Channel Width: Not Measured

Mean Riparian Width: Not Measured

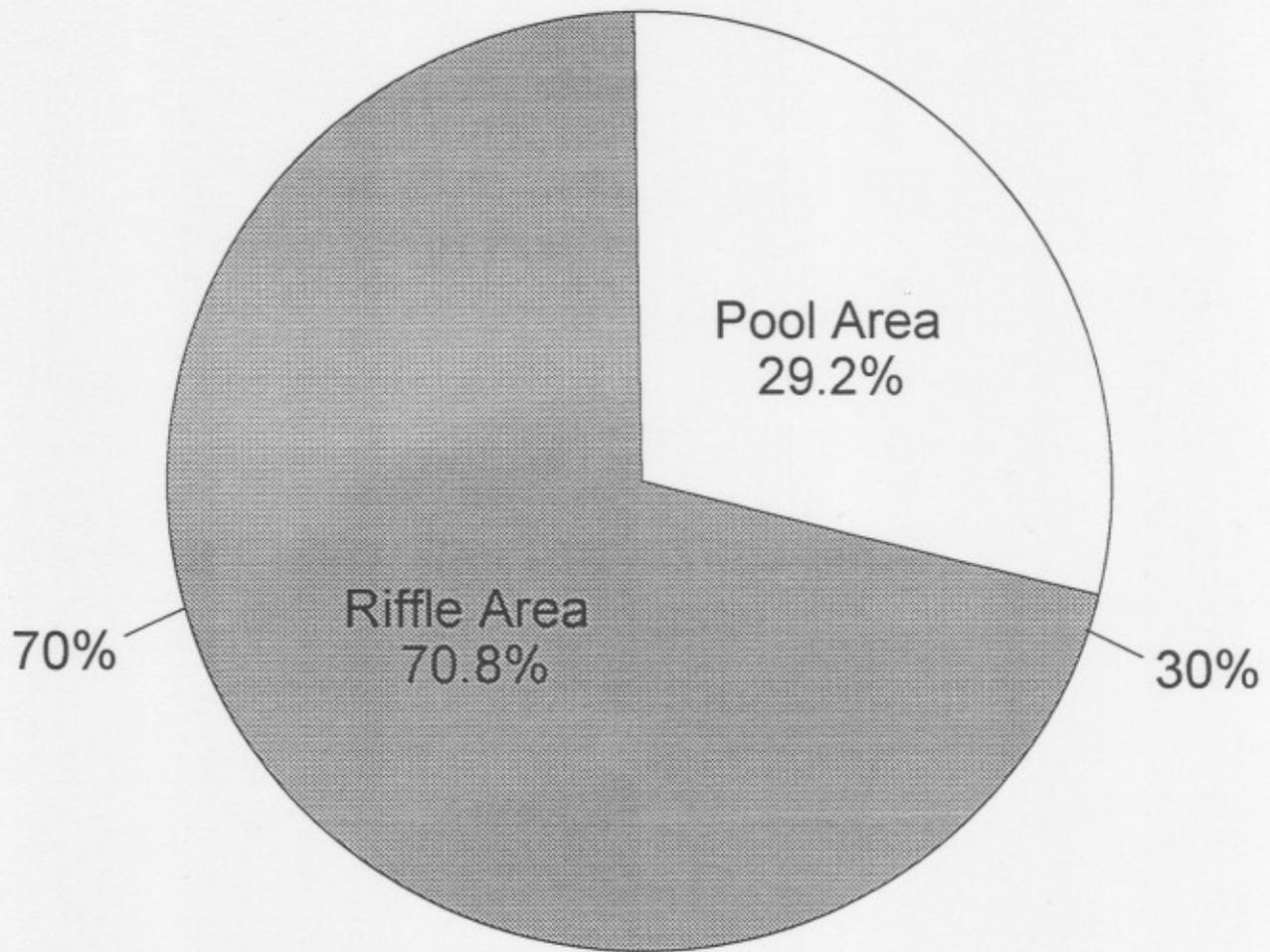
Mean Maximum Riparian Distance : Not Measured

Mean Minimum Riparian Distance : Not Measured

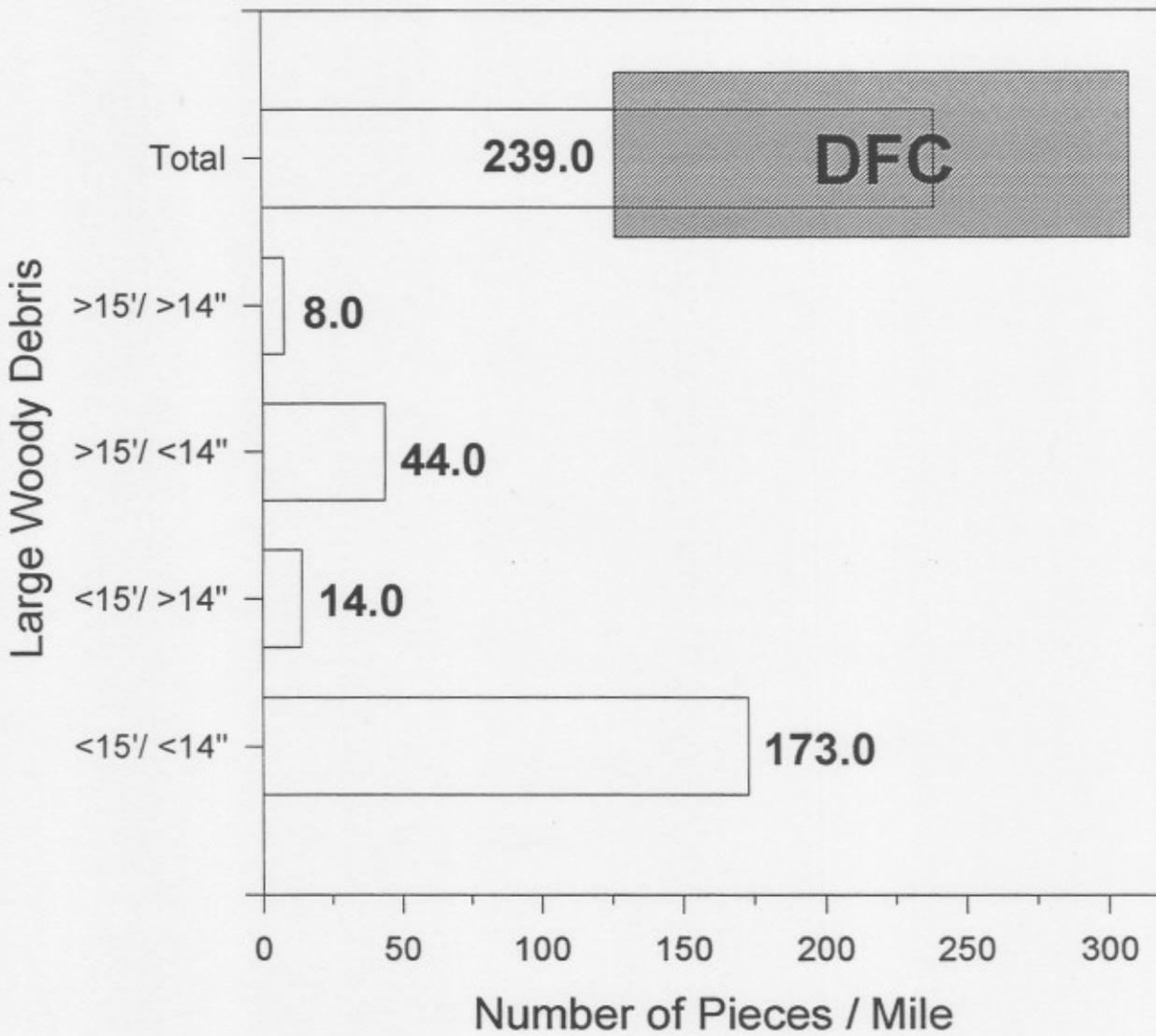
Maximum Riparian Width (Total): Not Measured

Minimum Riparian Width (Total): Not Measured

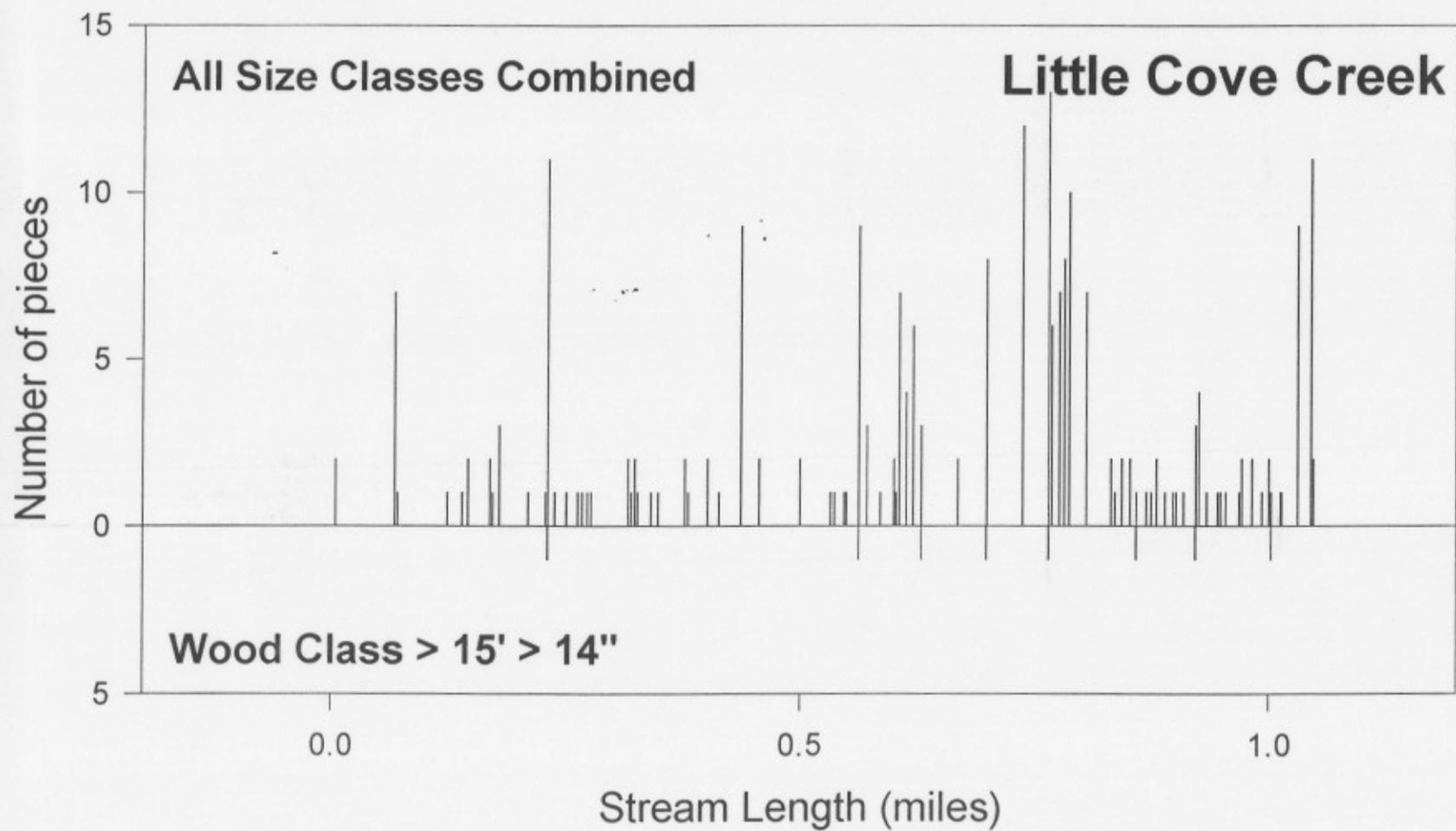
Little Cove Creek
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Little Cove Creek



Large Woody Debris Distribution



Stream: Lower North Fork Buffalo River

District: Pedlar

Quadrangle: Forks of Buffalo

Sample Date: 7/22/89

Downstream Starting Point: F.S. Road 51 Ford

Total Distance Surveyed: 1.2 miles

Percent of Total Area - Pools: 36.9%

Number of Pools: 152

Number of Pools per mile: 127

Total Pool Area: 16458.42 ± 723.60 sq. ft.

Mean Pool Area: 108.3 sq. ft.

Correction Factor: 0.90

Mean Maximum Depth: 2.5'

Mean Average Depth: 1.7'

Percent of Total Area - Riffles: 63.1%

Number of Riffles: 81

Number of Riffles per mile: 68

Total Riffle Area: 28108.88 ± 2628.96 sq. ft.

Mean Riffle Area: 347.0 sq. ft.

Correction Factor: 1.26

Mean Maximum Depth: 1.5'

Mean Average Depth: 1.0'

Number of Large Woody Debris Pieces per Mile: 77.4

Wood < 15' and < 14": 33.3

Wood < 15' and > 14": 18.3

Wood > 15' and < 14": 14.2

Wood > 15' and > 14": 11.6

Mean Channel Width: Not Measured

Mean Riparian Width: Not Measured

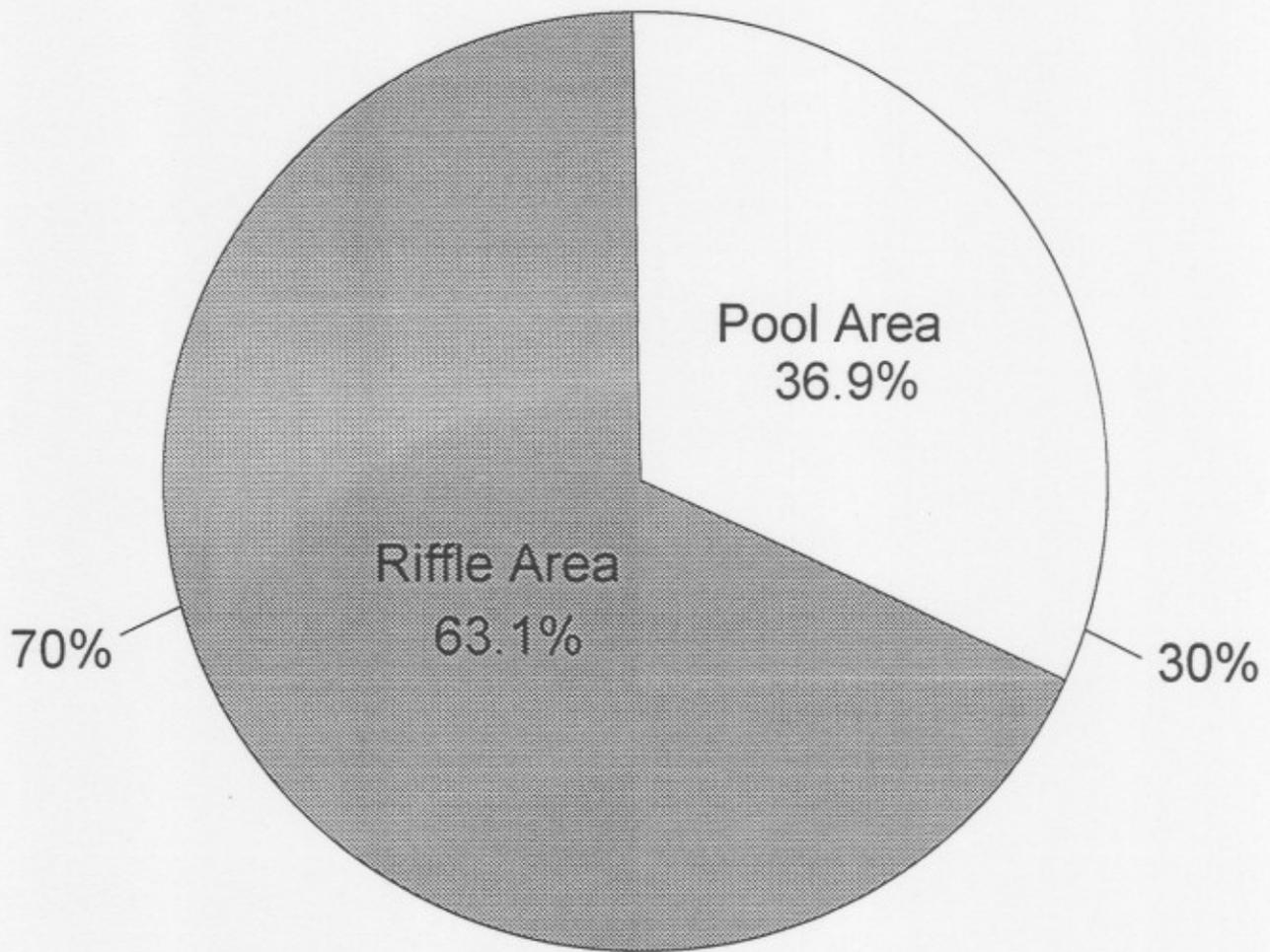
Mean Maximum Riparian Distance : Not Measured

Mean Minimum Riparian Distance : Not Measured

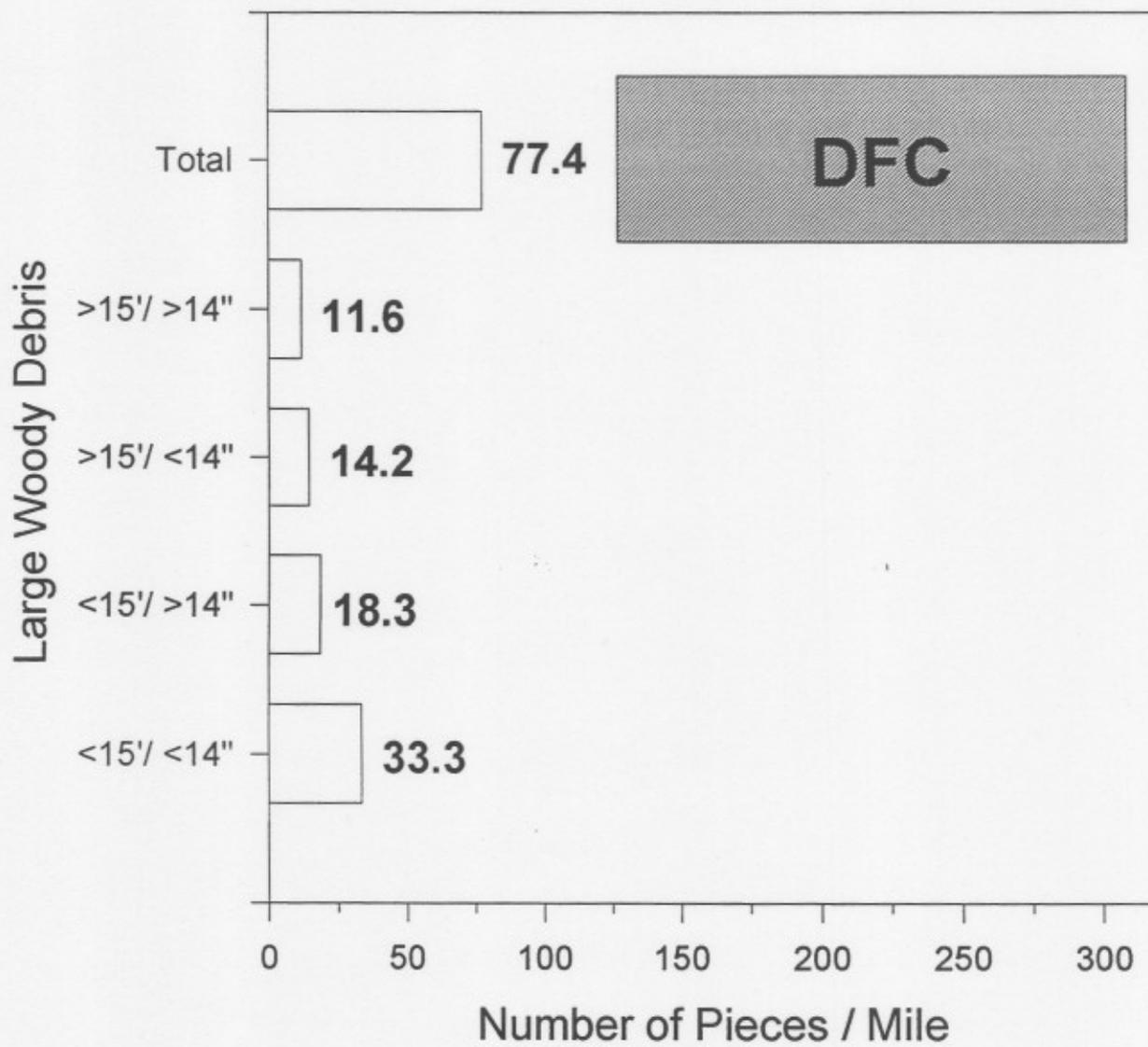
Maximum Riparian Width (Total): Not Measured

Minimum Riparian Width (Total): Not Measured

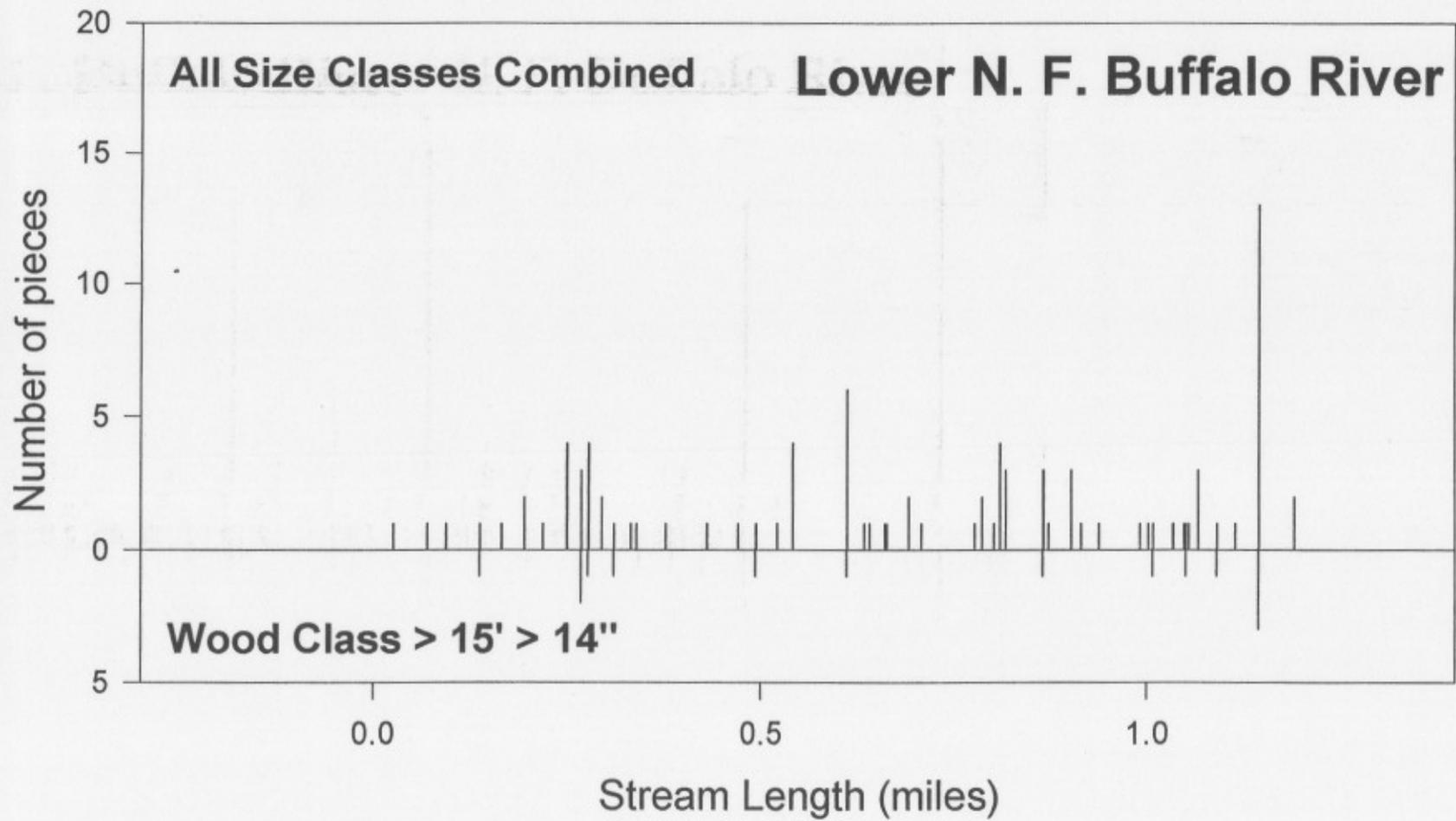
Lower North Fork Buffalo River
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Lower North Fork Buffalo River



Large Woody Debris Distribution



Stream: Rocky Branch

District: Pedlar

Quadrangle: Forks of Buffalo

Sample Date: 7/21/89

Downstream Starting Point: confl. with N.F. Buffalo R.

Total Distance Surveyed: 0.64 miles

Percent of Total Area - Pools: 24.7%

Number of Pools: 76

Number of Pools per mile: 119

Total Pool Area: 2830.25 ± 128.70 sq. ft.

Mean Pool Area: 37.2 sq. ft.

Correction Factor: 0.94

Mean Maximum Depth: 1.7'

Mean Average Depth: 1.1'

Percent of Total Area - Riffles: 75.3%

Number of Riffles: 68

Number of Riffles per mile: 106

Total Riffle Area: 8627.58 ± 314.02 sq. ft.

Mean Riffle Area: 126.9 sq. ft.

Correction Factor: 0.99

Mean Maximum Depth: 0.7'

Mean Average Depth: 0.5'

Number of Large Woody Debris Pieces per Mile: 125.0

Wood < 15' and < 14": 53.1

Wood < 15' and > 14": 17.2

Wood > 15' and < 14": 32.8

Wood > 15' and > 14": 21.9

Mean Channel Width: Not Measured

Mean Riparian Width: Not Measured

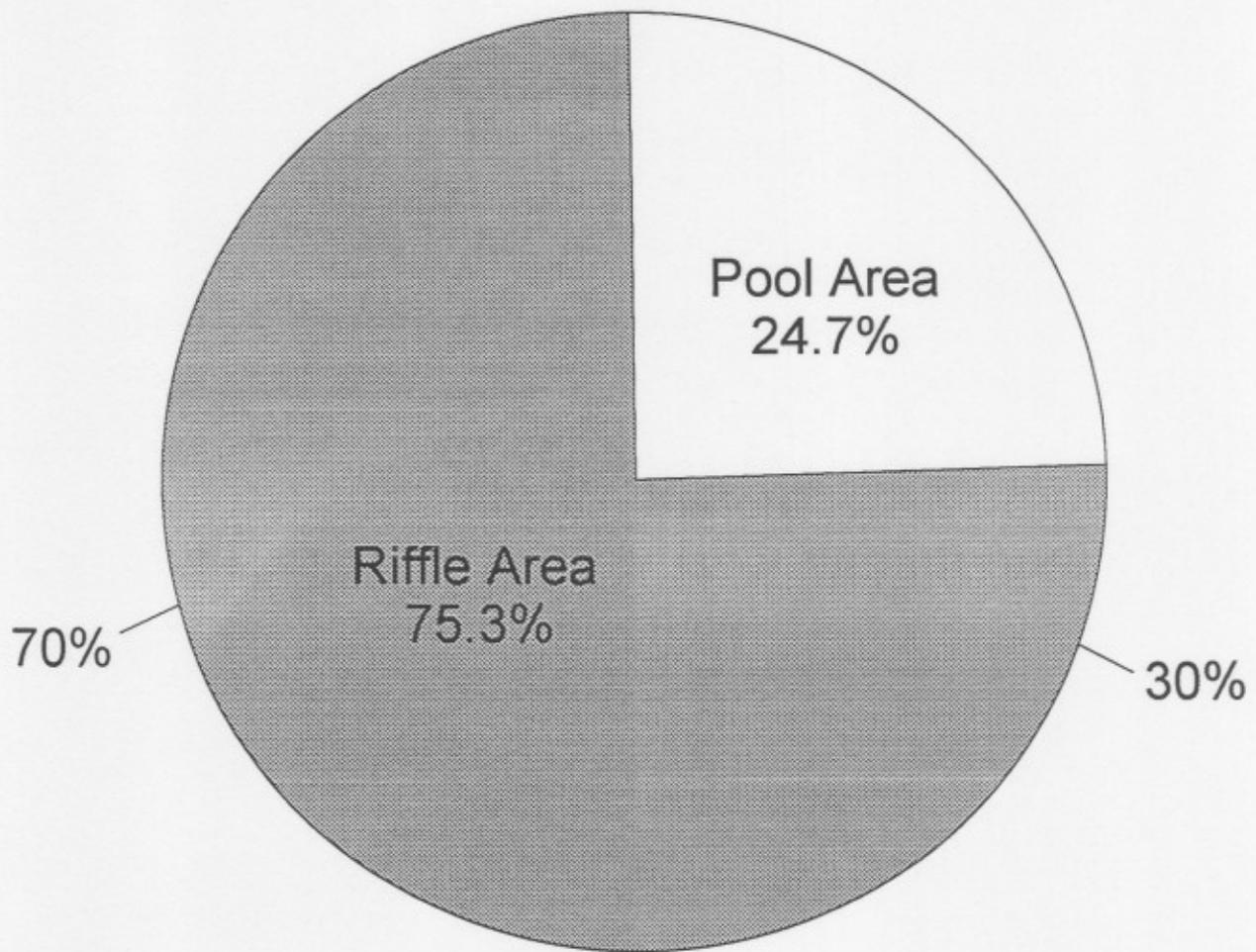
Mean Maximum Riparian Distance : Not Measured

Mean Minimum Riparian Distance : Not Measured

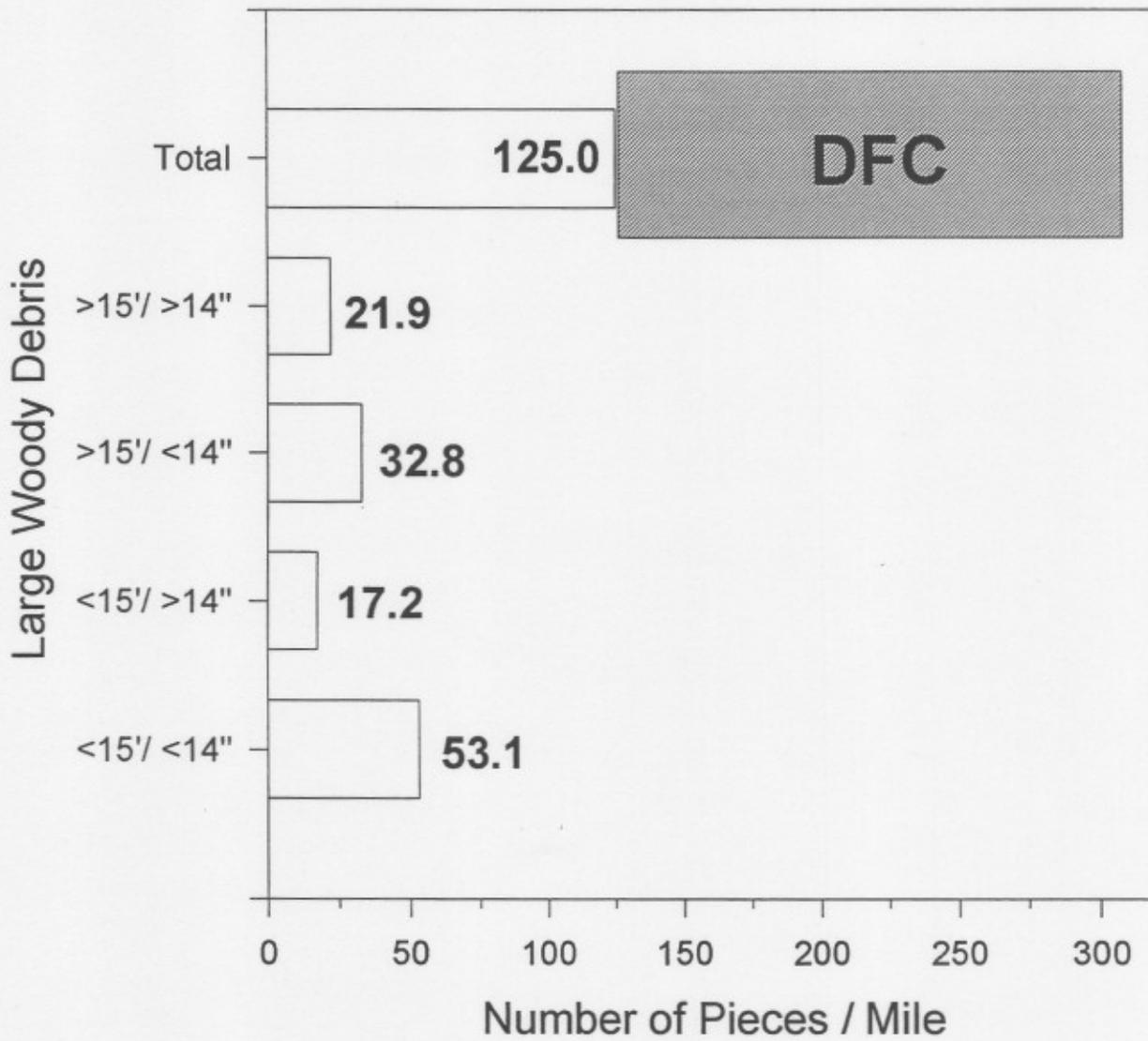
Maximum Riparian Width (Total): Not Measured

Minimum Riparian Width (Total): Not Measured

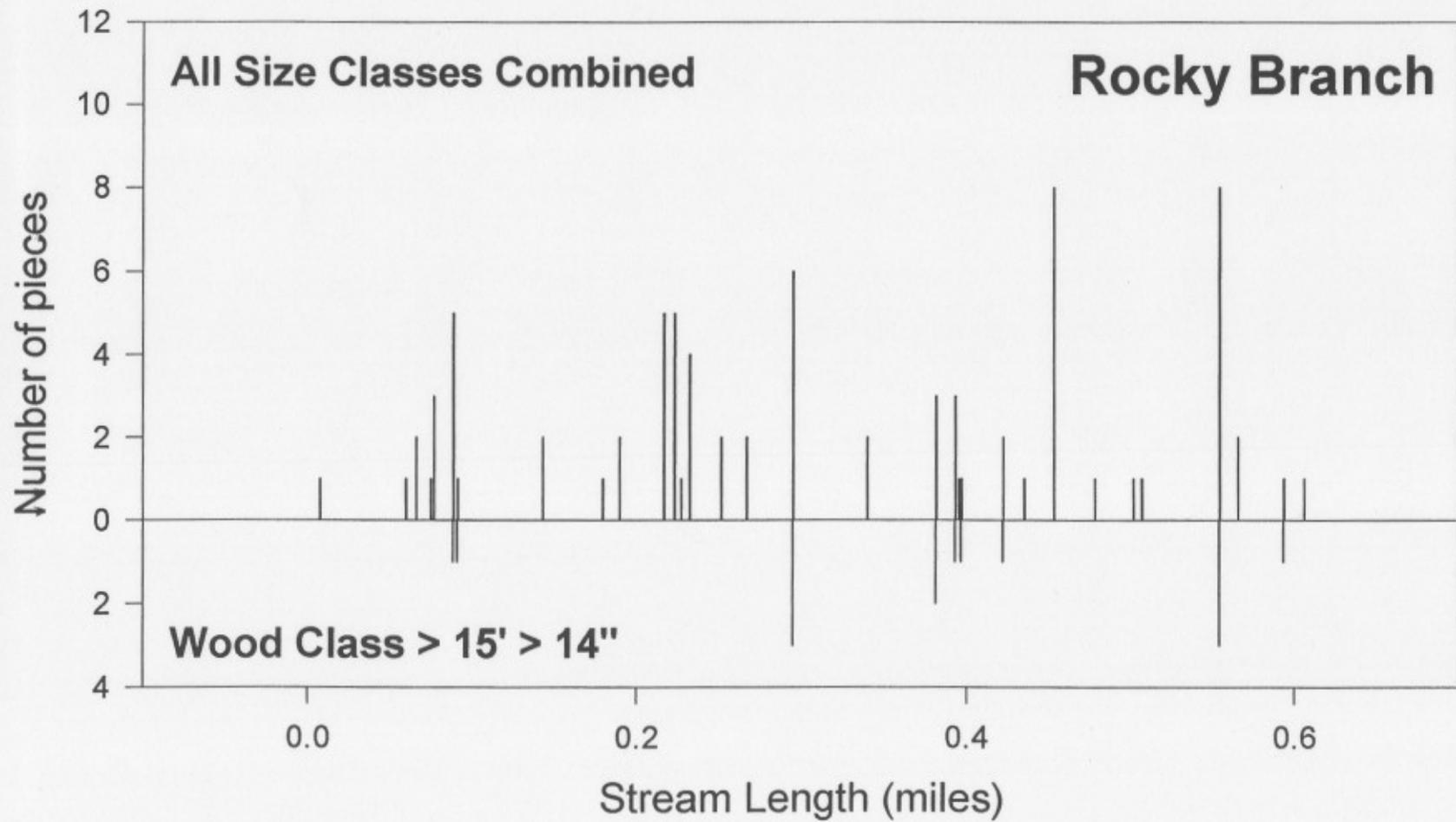
Rocky Branch
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Rocky Branch



Large Woody Debris Distribution



Stream: Upper North Fork Buffalo River

District: Pedlar

Quadrangle: Forks of Buffalo

Sample Date: 7/22/89

Downstream Starting Point: F.S. Rd. 51 Ford @ BM2368

Total Distance Surveyed: 1.57 miles

Percent of Total Area - Pools: 42.6%

Number of Pools: 187

Number of Pools per mile: 119

Total Pool Area: 14950.40 ± 680.10 sq. ft.

Mean Pool Area: 80.0 sq. ft.

Correction Factor: 1.01

Mean Maximum Depth: 1.9'

Mean Average Depth: 1.2'

Percent of Total Area - Riffles: 57.4%

Number of Riffles: 169

Number of Riffles per mile: 108

Total Riffle Area: 20178.72 ± 1417.35 sq. ft.

Mean Riffle Area: 119.4 sq. ft.

Correction Factor: 0.98

Mean Maximum Depth: 1.1'

Mean Average Depth: 0.7'

Number of Large Woody Debris Pieces per Mile: 84.0

Wood < 15' and < 14": 54.1

Wood < 15' and > 14": 3.2

Wood > 15' and < 14": 24.2

Wood > 15' and > 14": 2.5

Mean Channel Width: Not Measured

Mean Riparian Width: Not Measured

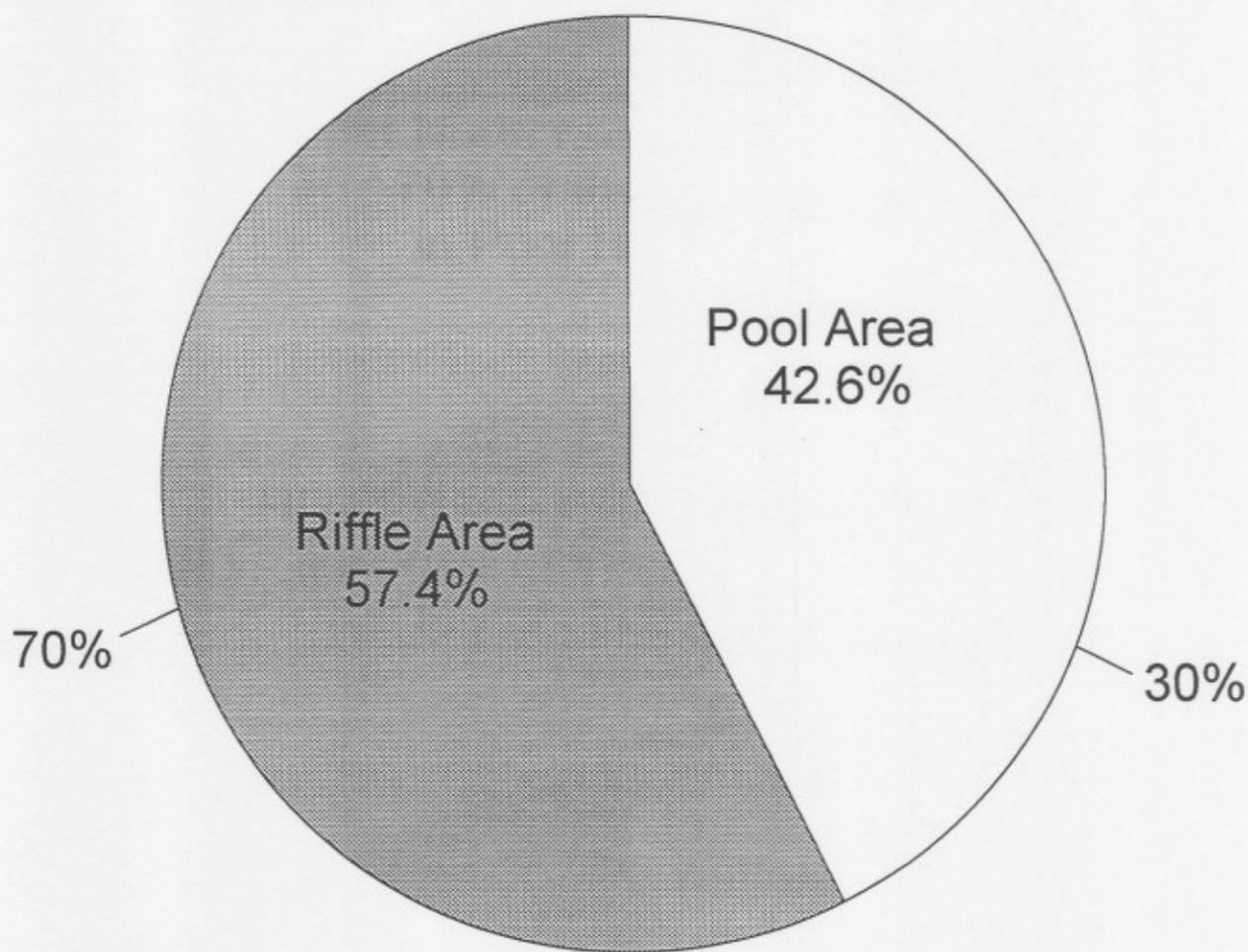
Mean Maximum Riparian Distance : Not Measured

Mean Minimum Riparian Distance : Not Measured

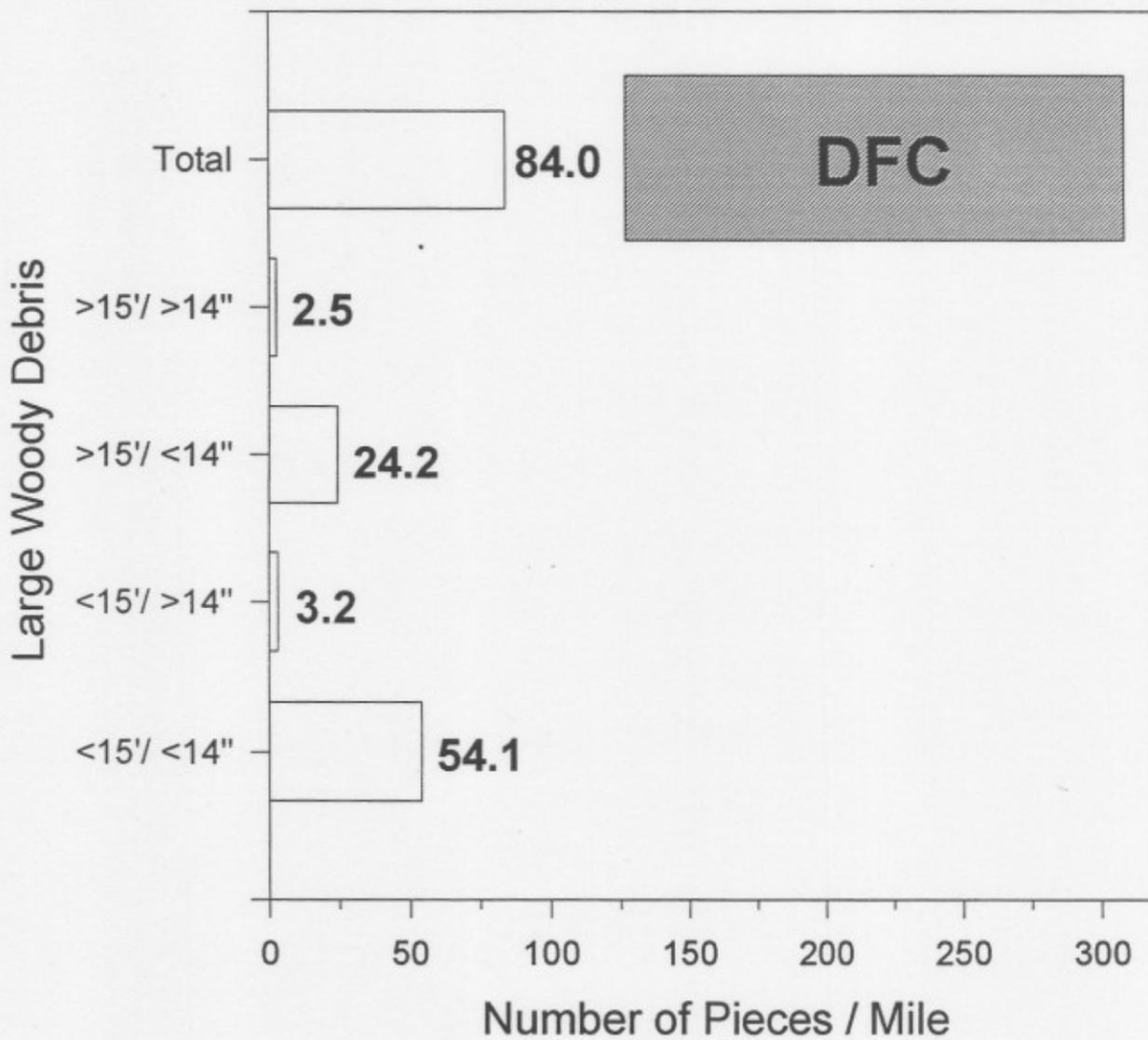
Maximum Riparian Width (Total): Not Measured

Minimum Riparian Width (Total): Not Measured

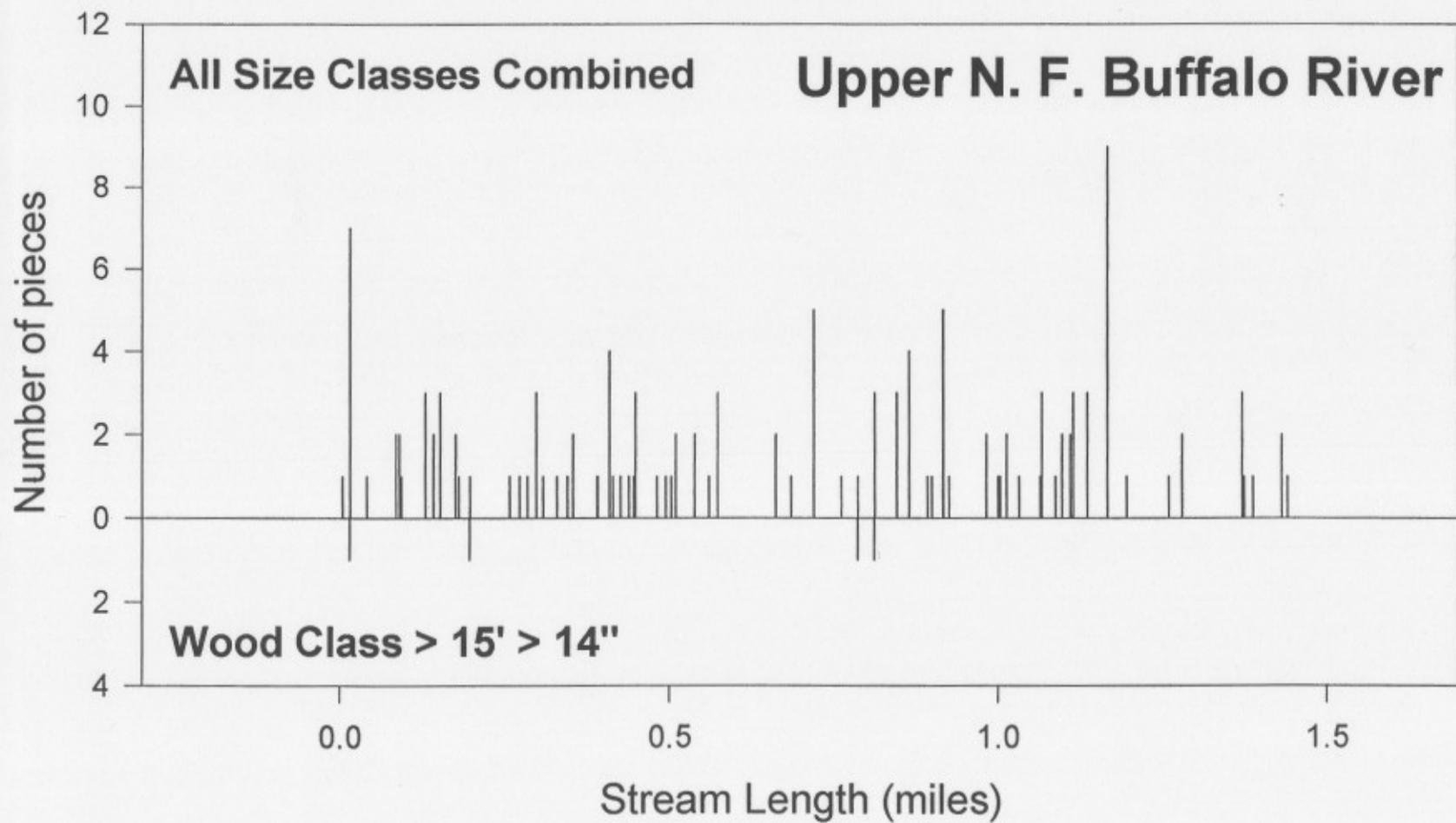
Upper North Fork Buffalo River
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Upper North Fork Buffalo River



Large Woody Debris Distribution



Glasgow Quadrangle

Stream: Belle Cove Branch

District: Pedlar

Quadrangle: Glasgow

Sample Date: 8/9/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 3.68 miles

Percent of Total Area - Pools: 30.9%

Number of Pools: 190

Number of Pools per mile: 52

Total Pool Area: 46638.30 sq. ft. \pm 2187.45

Mean Pool Area: 245.46 sq. ft.

Correction Factor: 1.07

Mean Maximum Depth: 1.7'

Mean Average Depth: 1.1'

Percent of Total Area - Riffles: 69.1%

Number of Riffles: 151

Number of Riffles per mile: 41

Total Riffle Area: 104097.85 sq. ft. \pm 8529.67

Mean Riffle Area: 689.38 sq. ft.

Correction Factor: 1.02

Mean Maximum Depth: 0.8'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 462.5

Wood < 15' and < 14": 112.5

Wood < 15' and > 14": 23.4

Wood > 15' and < 14": 292.4

Wood > 15' and > 14": 34.2

Mean Channel Width: 30.9'

Mean Riparian Width: 95.3'

Mean Maximum Riparian Distance (either side): 59.0'

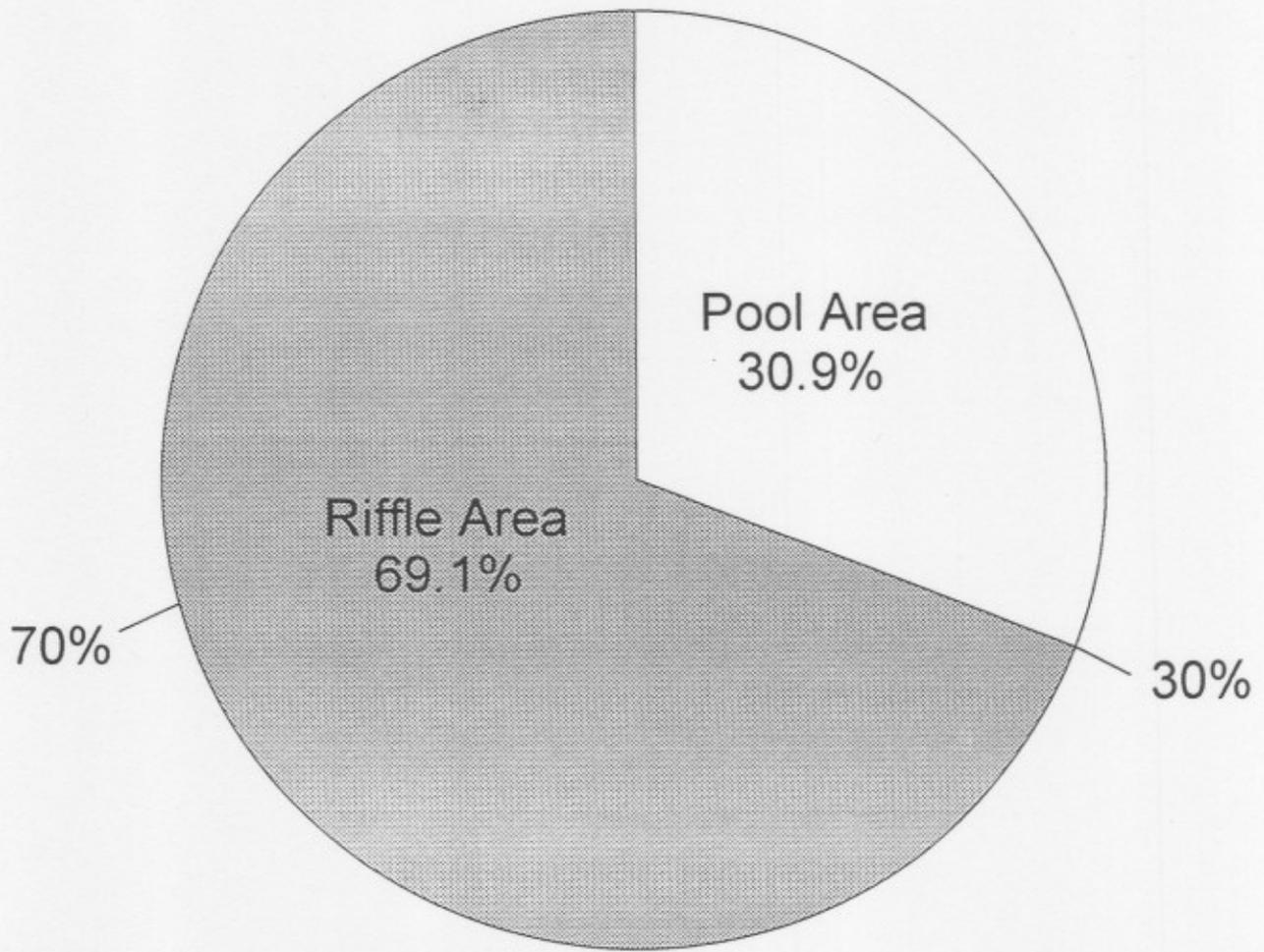
Mean Minimum Riparian Distance (either side): 5.3'

Maximum Riparian Width (Total): 201.9'

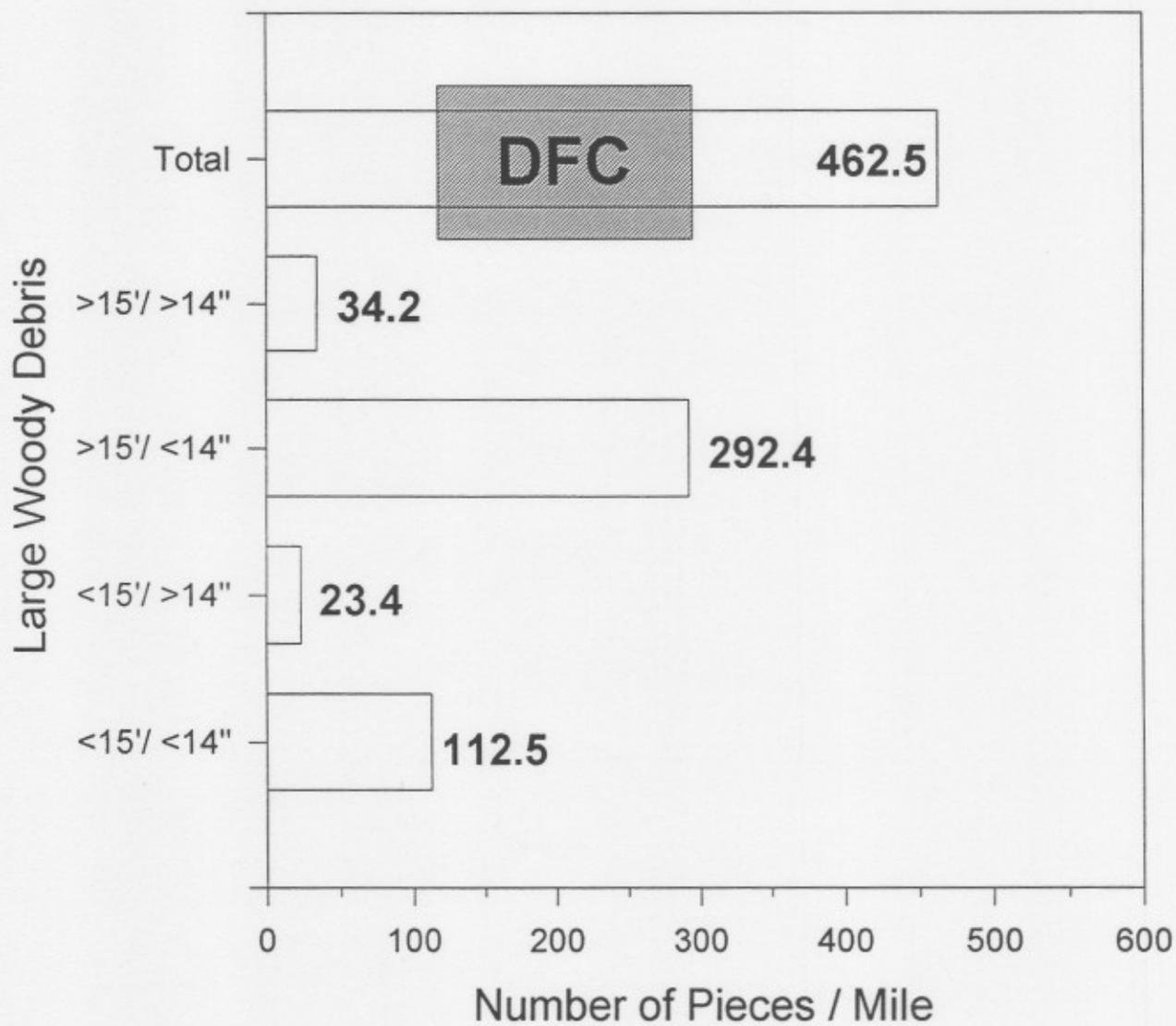
Minimum Riparian Width (Total): 32.0'

Belle Cove Branch

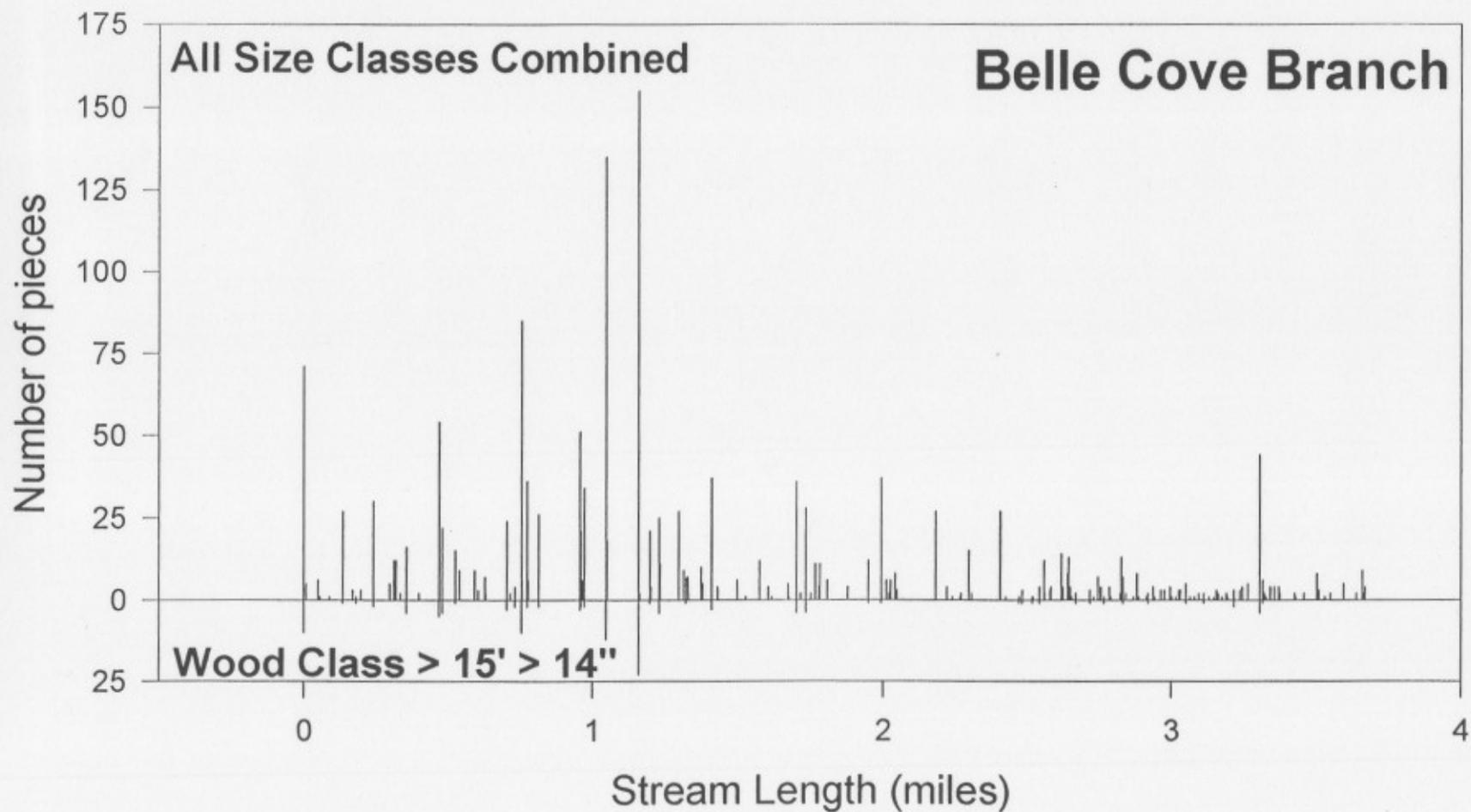
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Belle Cove Branch



Large Woody Debris Distribution



Riparian Width

Stream: Belle Cove Branch

Number of measurements: 8

Mean width: 95.3 Std Dev:61.7

Max: 201.9 Min: 32.0



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Bennetts Run

District: Pedlar

Quadrangle: Glasgow

Sample Date: 8/9/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 0.93 miles

Percent of Total Area - Pools: 15.1%

Number of Pools: 44

Number of Pools per mile: 47

Total Pool Area: 6100.34 sq. ft. \pm 440.64

Mean Pool Area: 138.64 sq. ft.

Correction Factor: 1.00

Mean Maximum Depth: 1.0'

Mean Average Depth: 0.6'

Percent of Total Area - Riffles: 84.9%

Number of Riffles: 39

Number of Riffles per mile: 42

Total Riffle Area: 34364.98 sq. ft. \pm 21430.69

Mean Riffle Area: 881.15 sq. ft.

Correction Factor: 1.04

Mean Maximum Depth: 0.9'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 593.5

Wood < 15' and < 14": 225.8

Wood < 15' and > 14": 20.4

Wood > 15' and < 14": 260.2

Wood > 15' and > 14": 87.1

Mean Channel Width: 26.5'

Mean Riparian Width: 51.5'

Mean Maximum Riparian Distance (either side): 75.0'

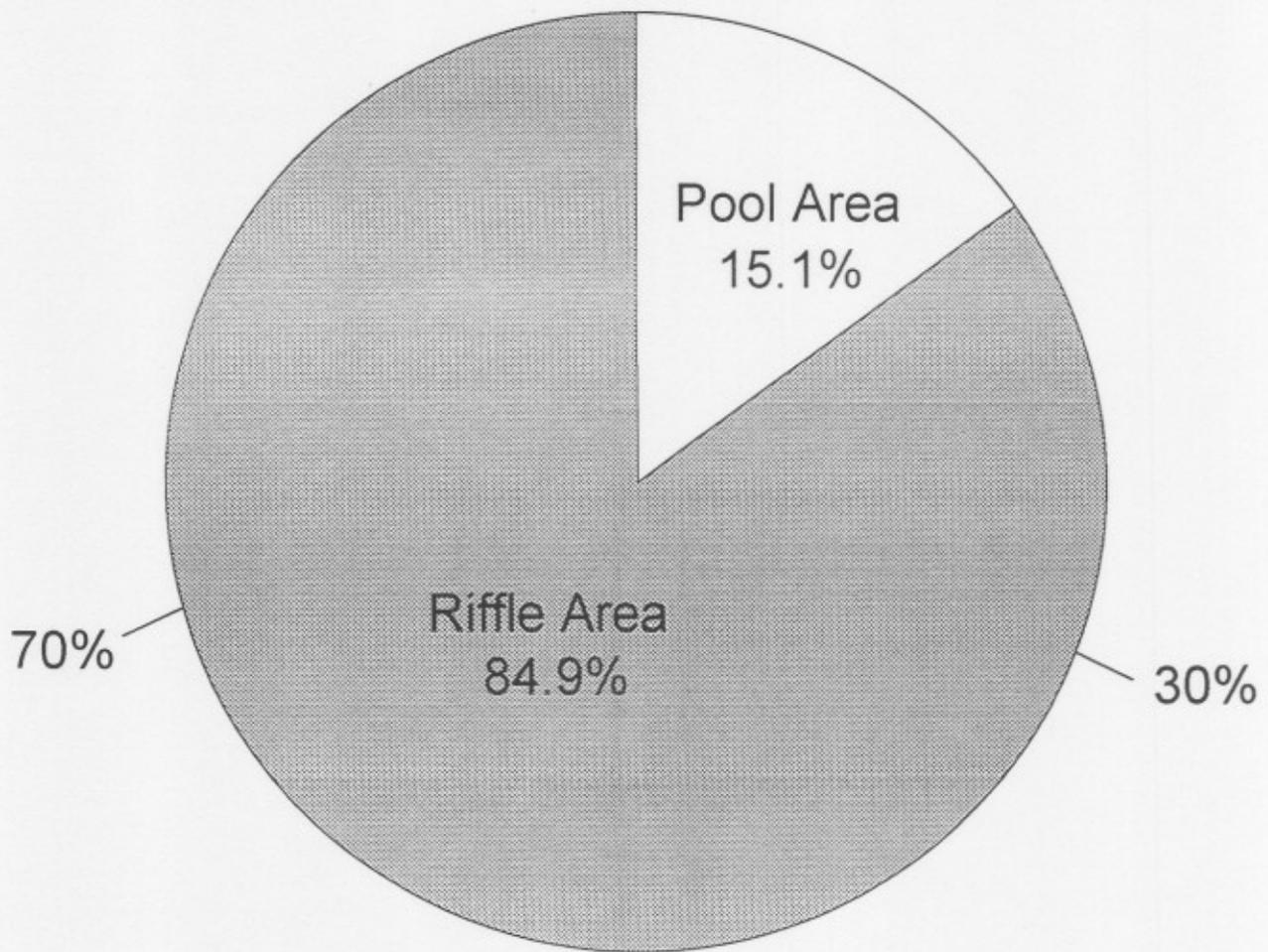
Mean Minimum Riparian Distance (either side): 10.0'

Maximum Riparian Width (Total): 53.5'

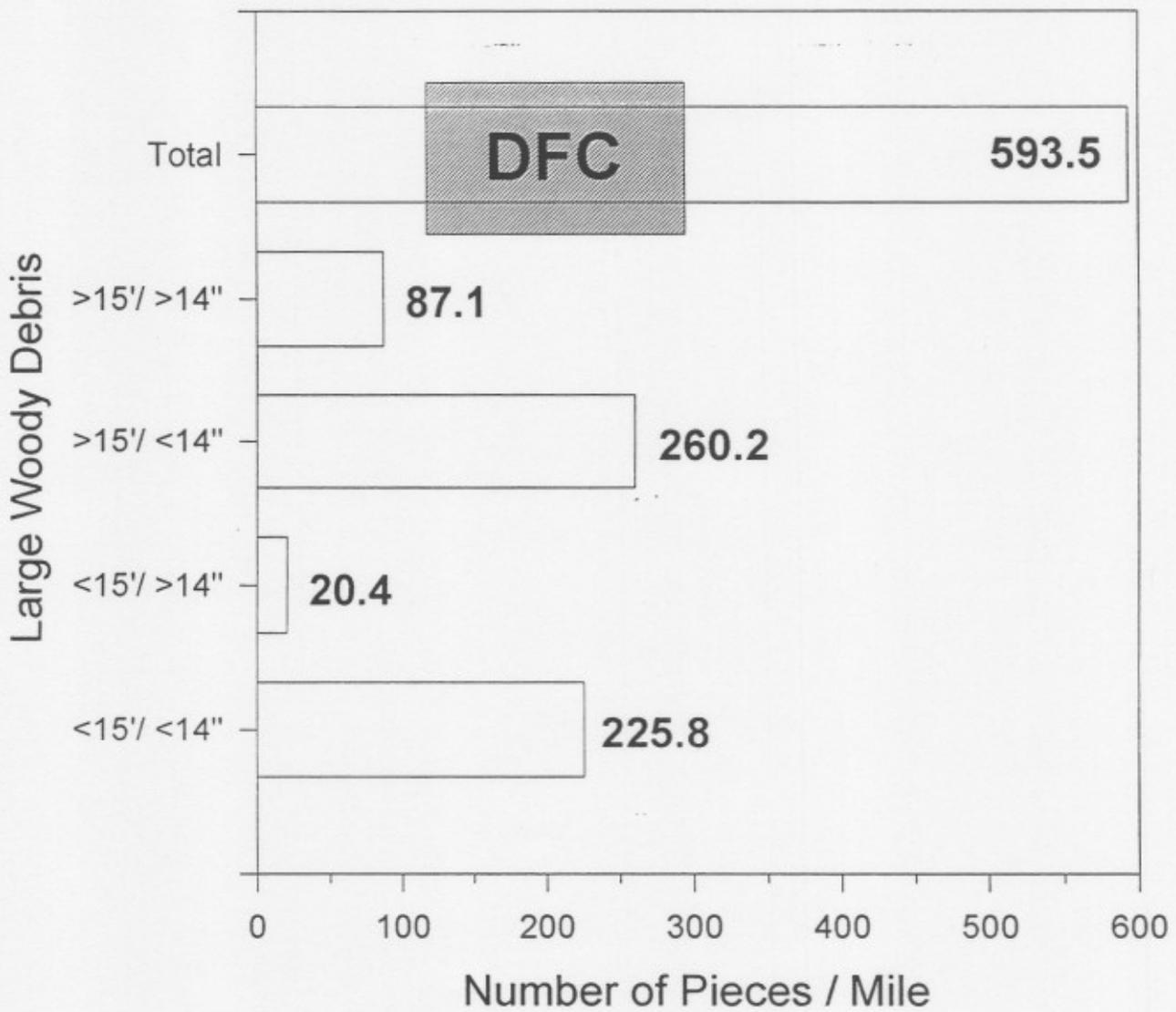
Minimum Riparian Width (Total): 49.5'

Bennetts Run

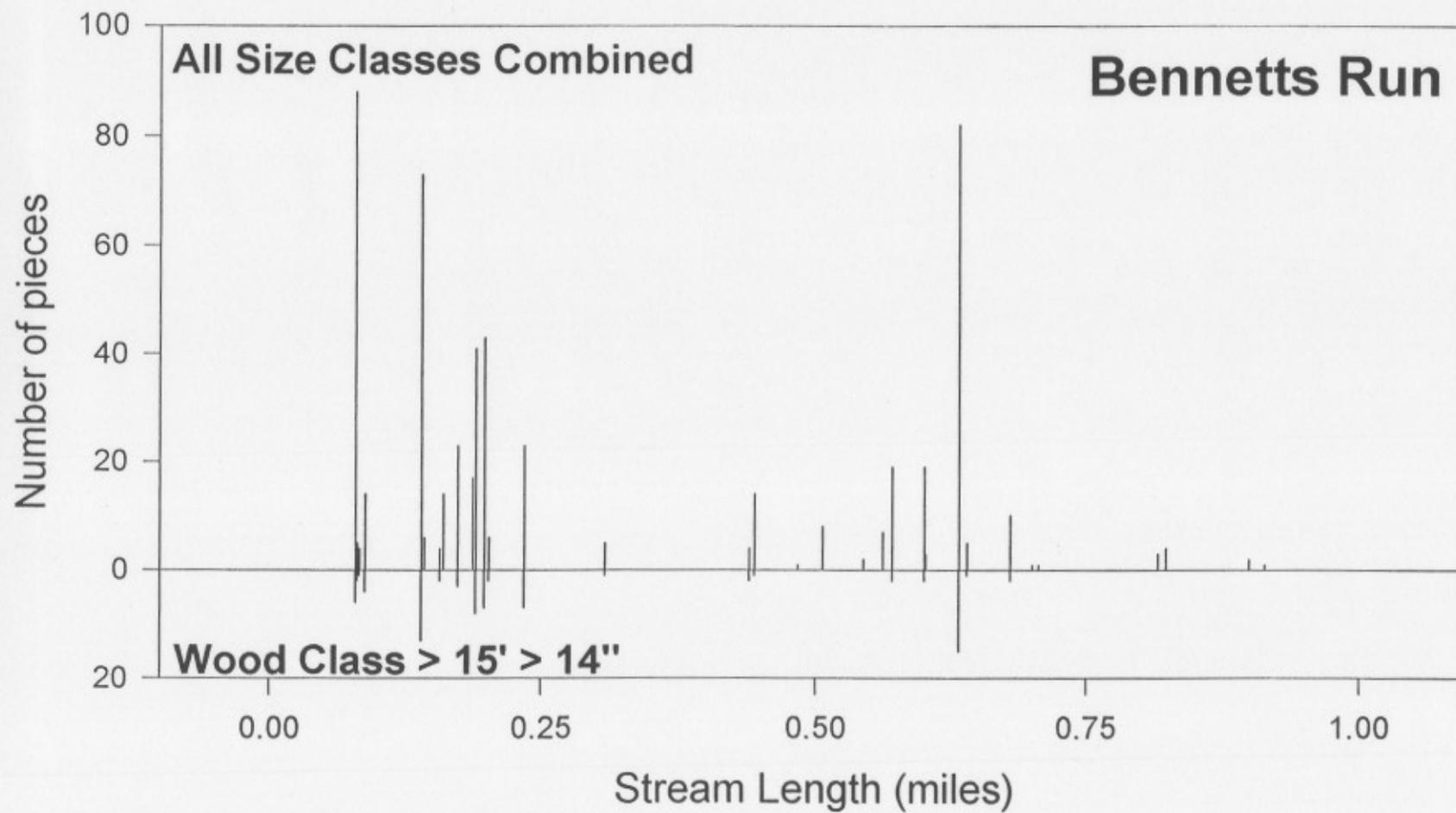
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Bennetts Run



Large Woody Debris Distribution



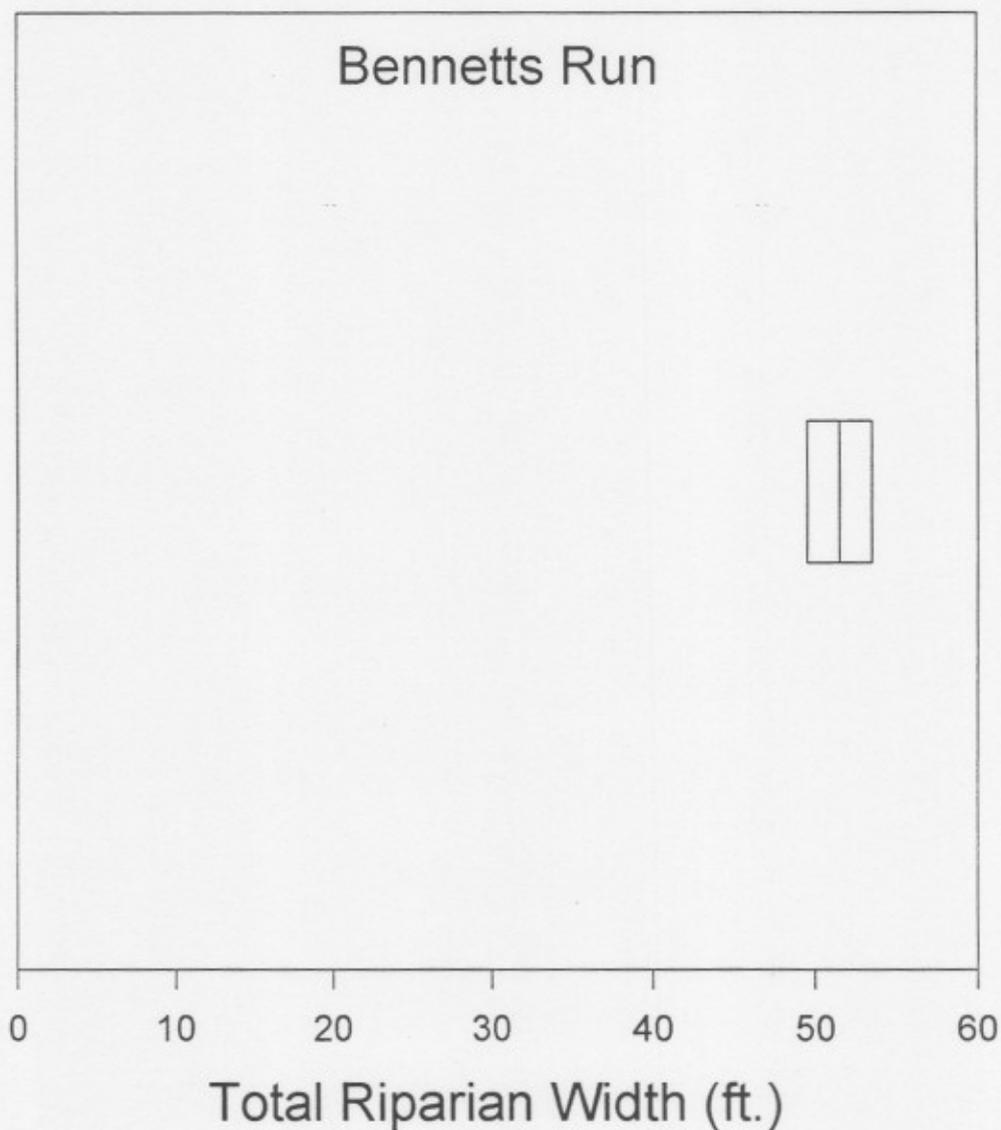
Riparian Width

Stream: Bennetts Run

Number of measurements: 2

Mean width: 51.5 Std Dev: 2.8

Max: 53.5 Min: 49.5



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: North Fork Bennetts Run

District: Pedlar

Quadrangle: Glasgow

Sample Date: 8/9/95

Downstream Starting Point: confl. with S. F. Bennetts Run

Total Distance Surveyed: 1.14 miles

Percent of Total Area - Pools: 36.6%

Number of Pools: 117

Number of Pools per mile: 103

Total Pool Area: 17829.06 sq. ft. \pm 2003.24

Mean Pool Area: 152.39 sq. ft.

Correction Factor: 1.03

Mean Maximum Depth: 1.5'

Mean Average Depth: 0.9'

Percent of Total Area - Riffles: 63.4%

Number of Riffles: 103

Number of Riffles per mile: 90

Total Riffle Area: 30829.29 sq. ft. \pm 2436.74

Mean Riffle Area: 299.31 sq. ft.

Correction Factor: 1.01

Mean Maximum Depth: 0.7'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 514.1

Wood < 15' and < 14": 196.5

Wood < 15' and > 14": 20.2

Wood > 15' and < 14": 230.7

Wood > 15' and > 14": 66.7

Mean Channel Width: 24.5'

Mean Riparian Width: 42.4'

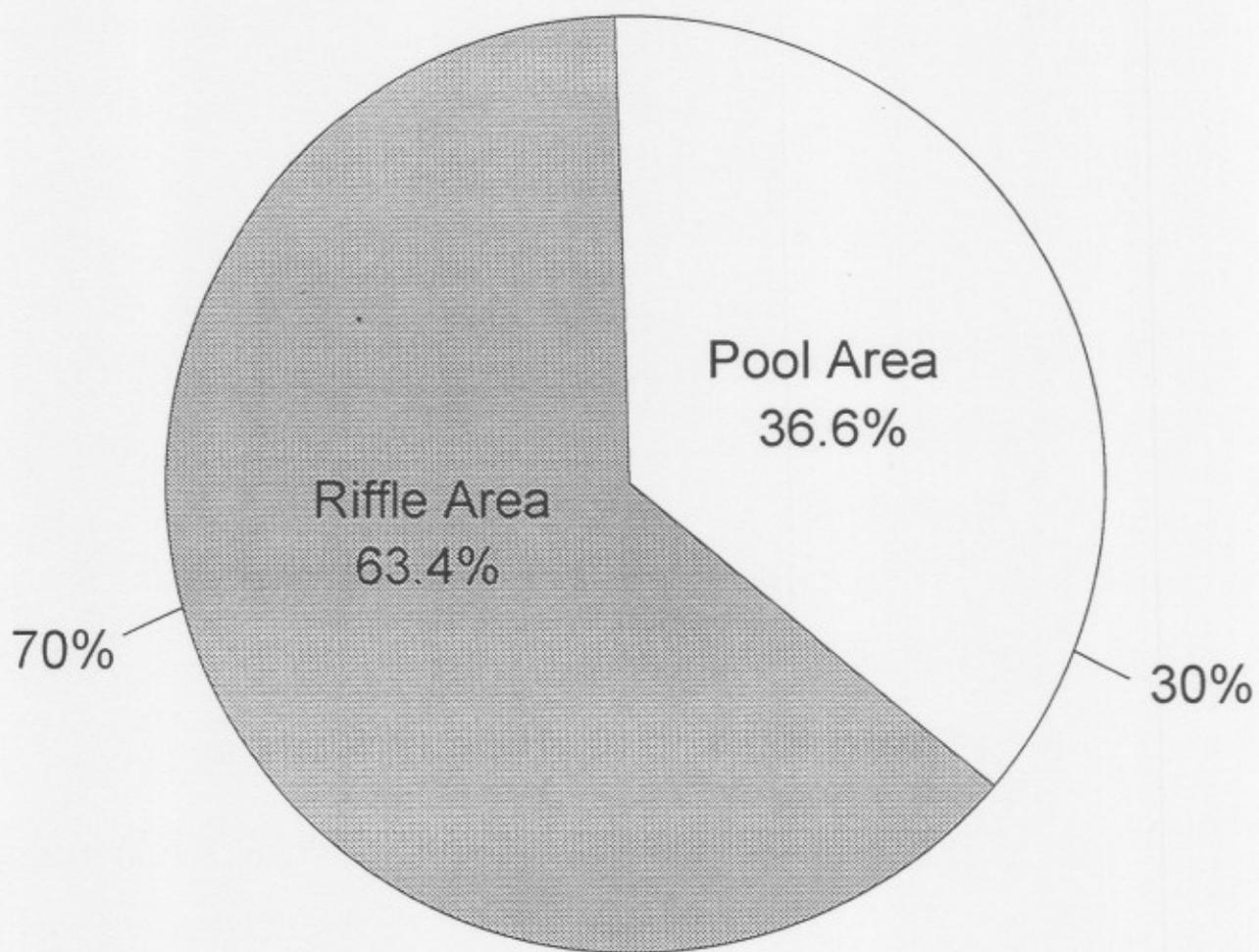
Mean Maximum Riparian Distance (either side): 12.2'

Mean Minimum Riparian Distance (either side): 5.7'

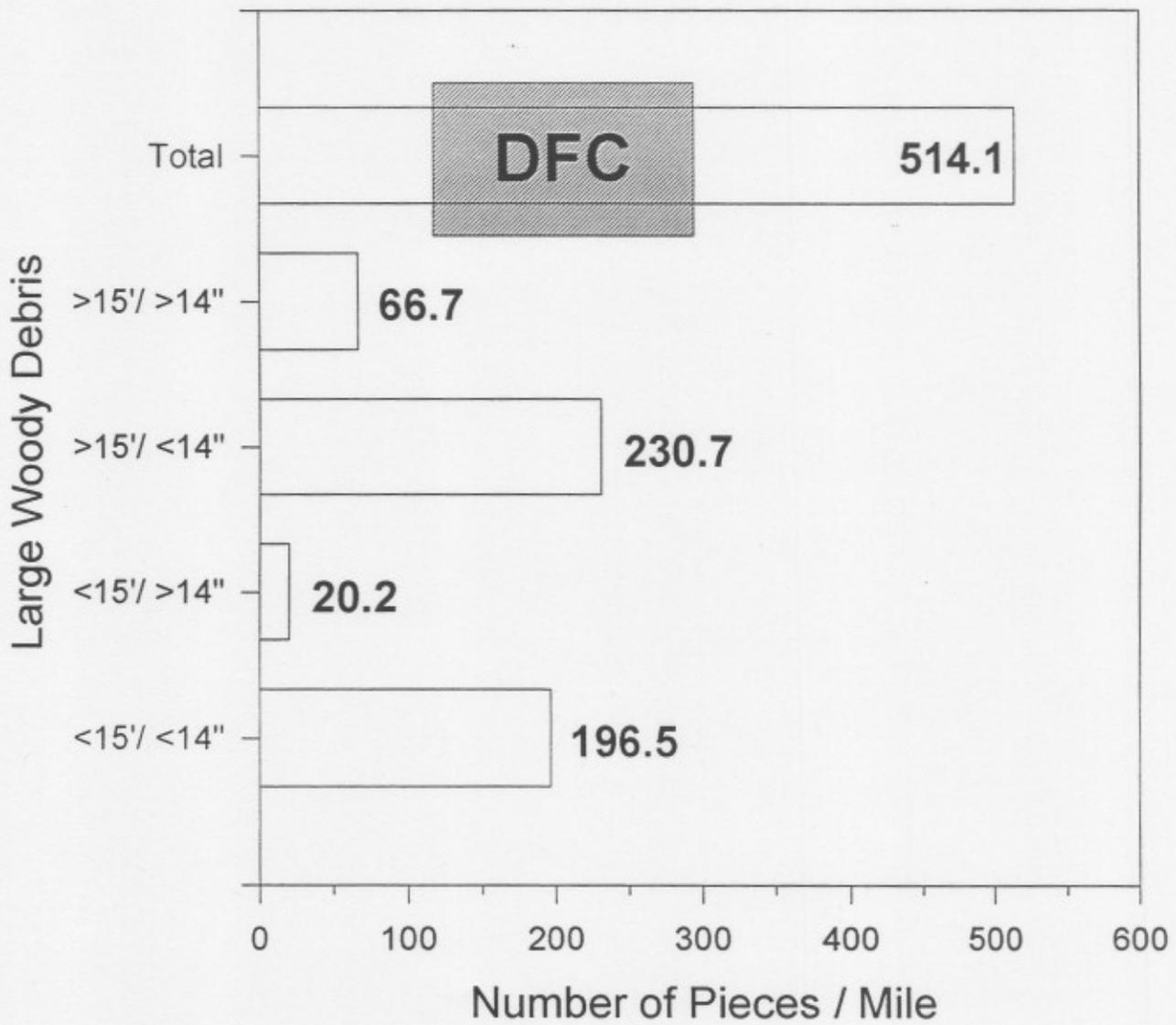
Maximum Riparian Width (Total): 67.0'

Minimum Riparian Width (Total): 25.9'

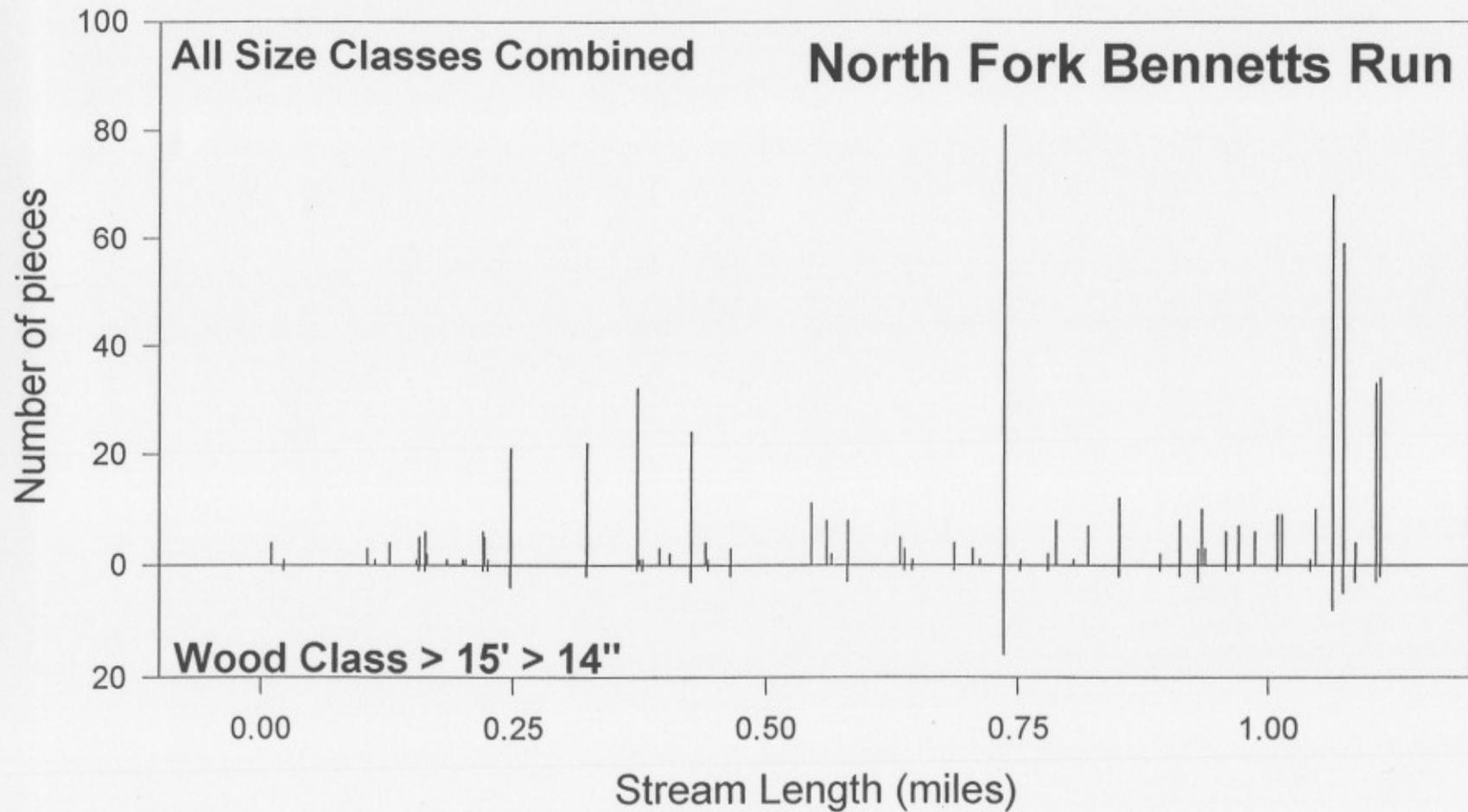
North Fork Bennetts Run
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



North Fork Bennetts Run



Large Woody Debris Distribution



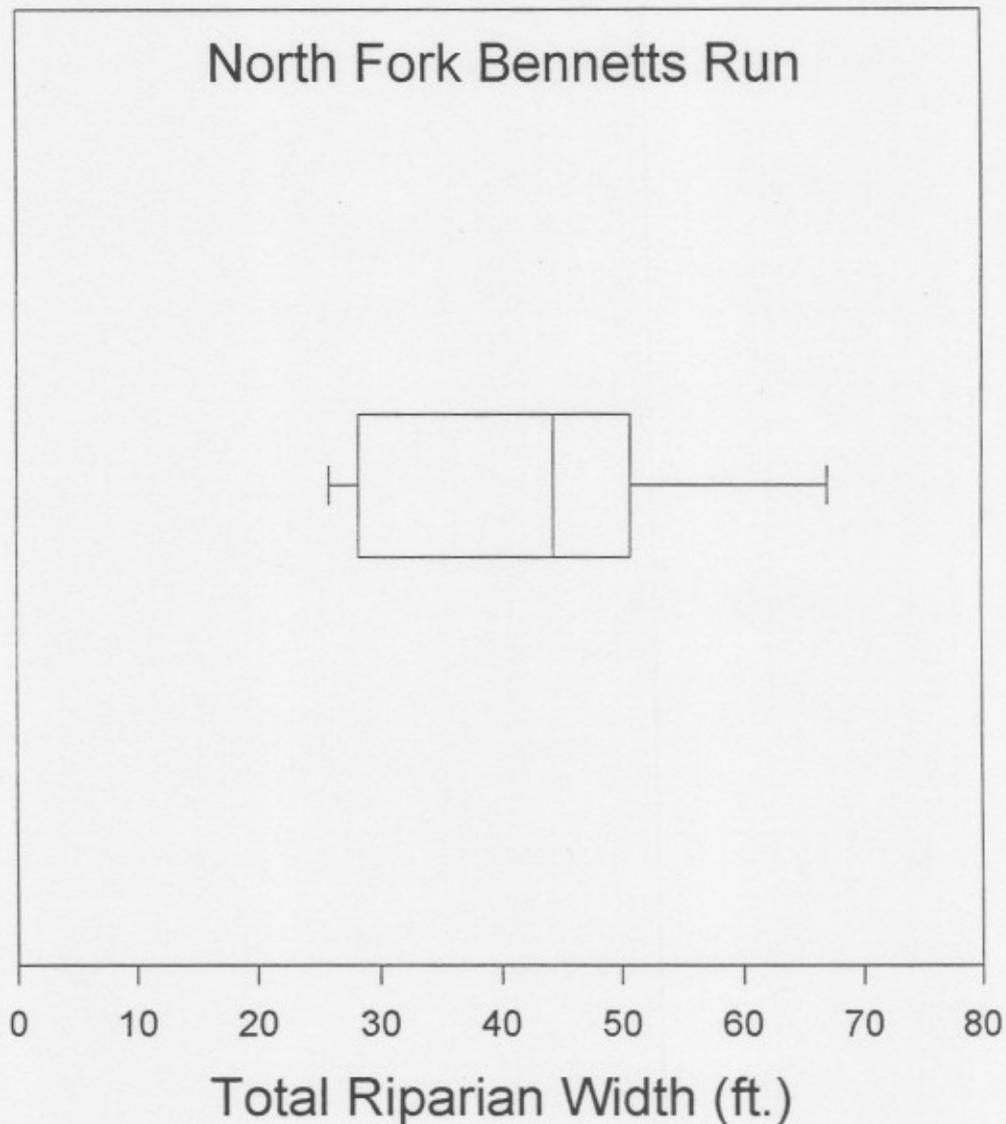
Riparian Width

Stream: North Fork Bennetts Run

Number of measurements: 5

Mean width: 42.4 Std Dev: 16.3

Max: 67.0 Min: 25.9



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Montebello Quadrangle

Stream: Big Bend Creek

District: Pedlar

Quadrangle: Montebello

Sample Date: 7/20/95

Downstream Starting Point: Forest Service Boundary

Total Distance Surveyed: 1.2 miles

Percent of Total Area - Pools: 30.2%

Number of Pools: 120

Number of Pools per mile: 100

Total Pool Area: 14222.44 sq. ft. \pm 1596.36

Mean Pool Area: 118.52 sq. ft.

Correction Factor: 1.06

Mean Maximum Depth: 1.2'

Mean Average Depth: 0.8'

Percent of Total Area - Riffles: 69.8%

Number of Riffles: 106

Number of Riffles per mile: 88

Total Riffle Area: 32945.26 sq. ft. \pm 4725.43

Mean Riffle Area: 310.80 sq. ft.

Correction Factor: 0.98

Mean Maximum Depth: 0.6'

Mean Average Depth: 0.3'

Number of Large Woody Debris Pieces per Mile: 131.7

Wood < 15' and < 14": 50.8

Wood < 15' and > 14": 10.0

Wood > 15' and < 14": 48.3

Wood > 15' and > 14": 22.5

Mean Channel Width: 18.0'

Mean Riparian Width: 56.2'

Mean Maximum Riparian Distance (either side): 27.6'

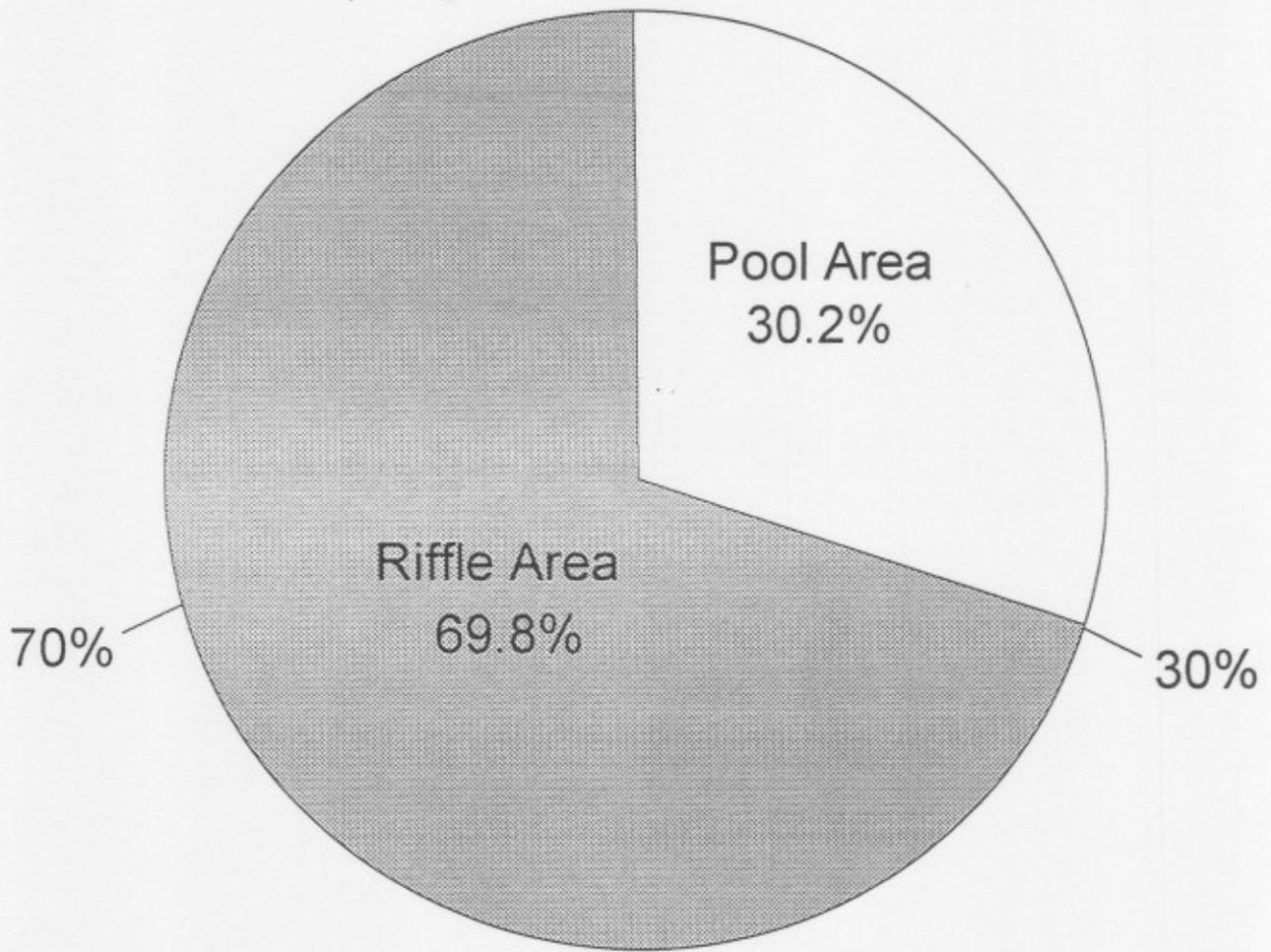
Mean Minimum Riparian Distance (either side): 10.6'

Maximum Riparian Width (Total): 80.0'

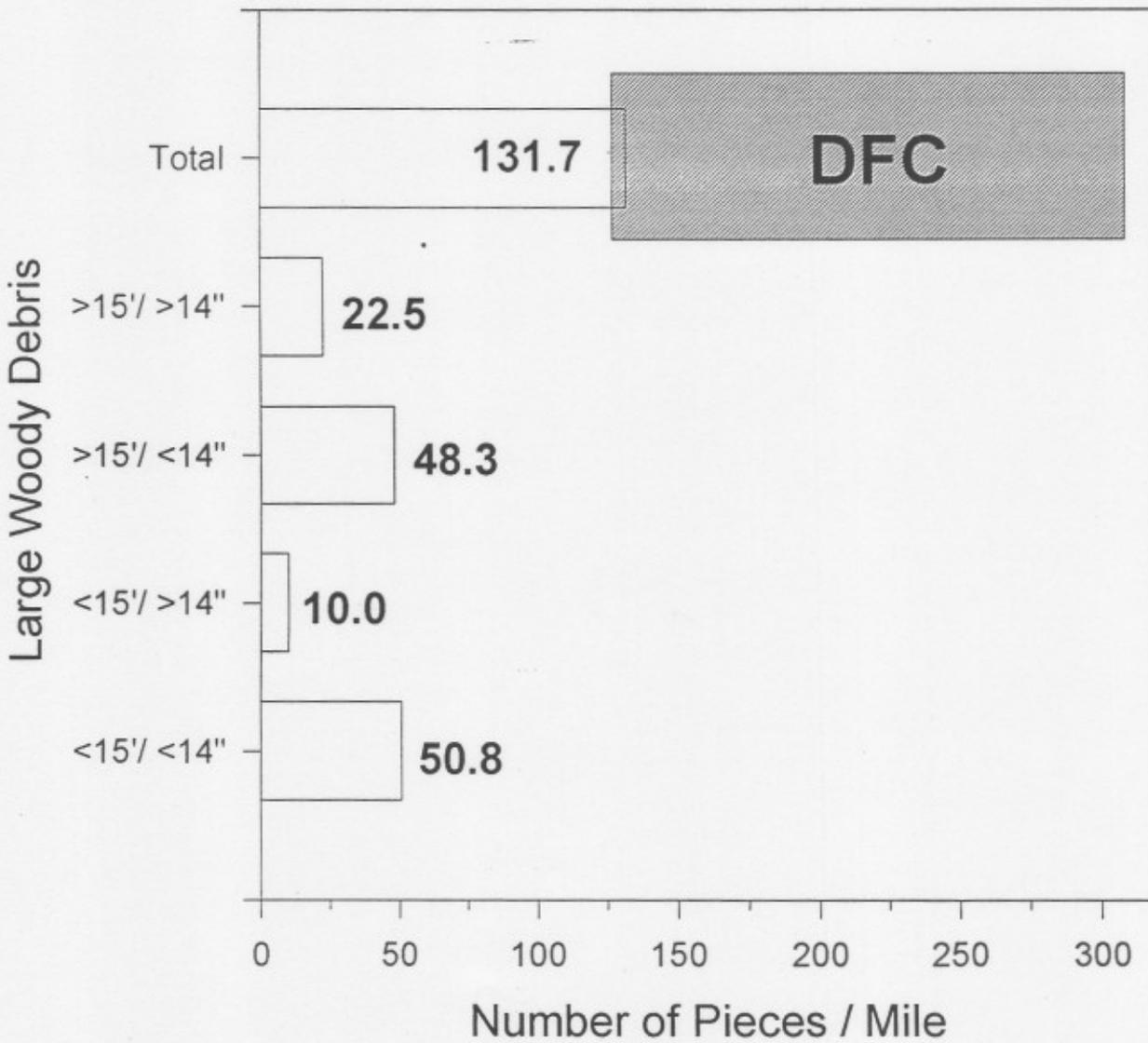
Minimum Riparian Width (Total): 20.0'

Big Bend Creek

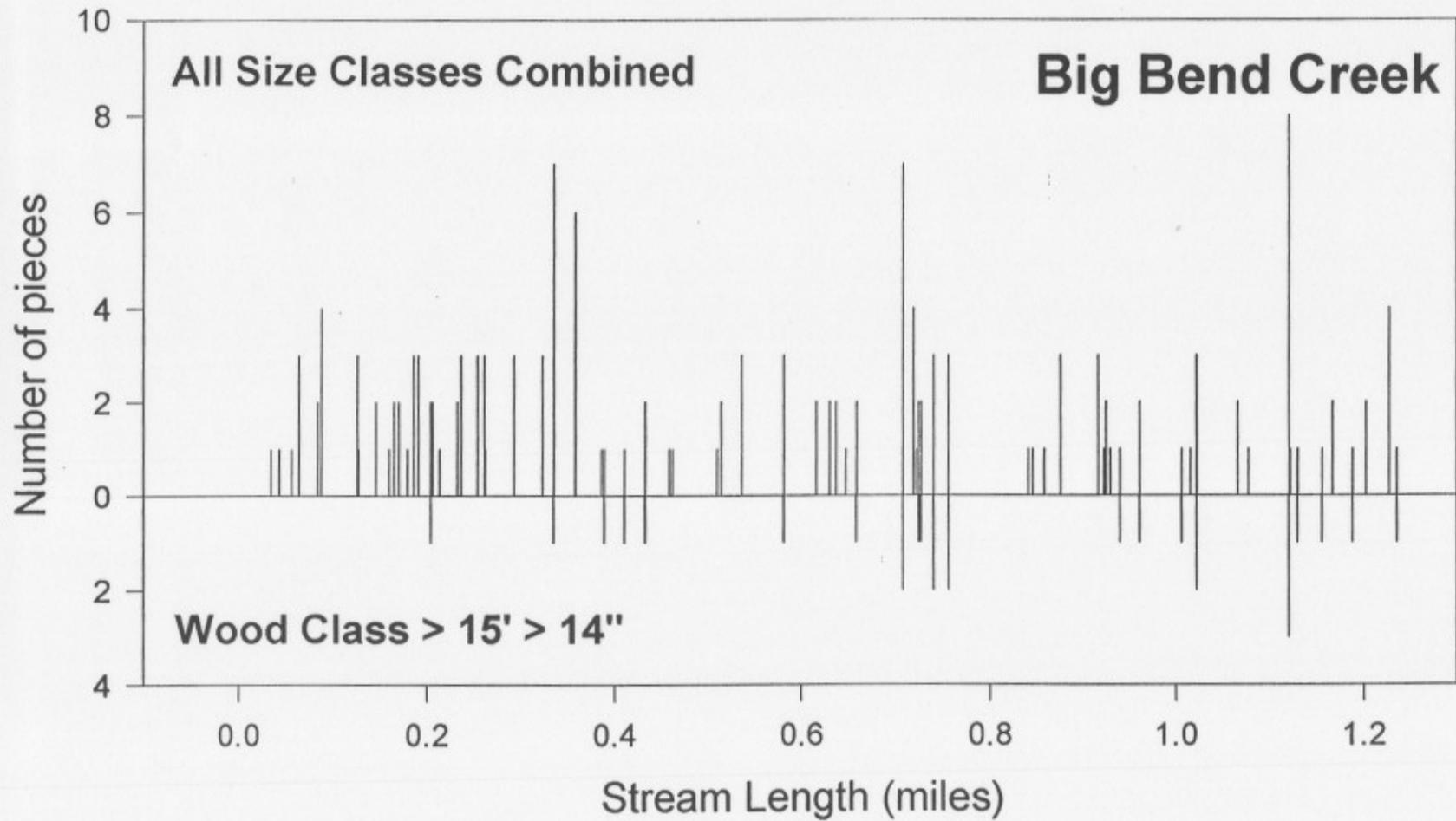
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Big Bend Creek



Large Woody Debris Distribution



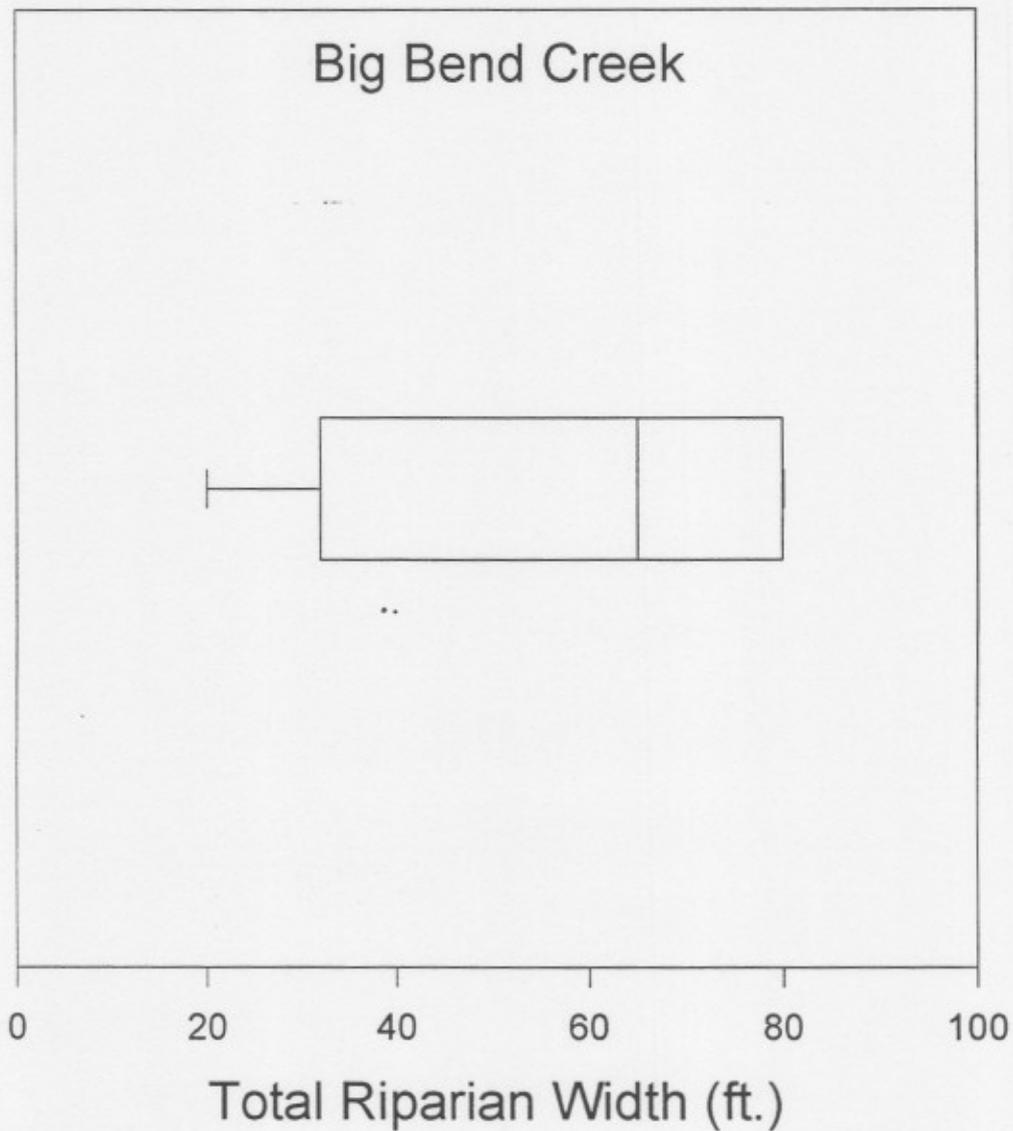
Riparian Width

Stream: Big Bend Creek

Number of measurements: 5

Mean width: 56.2 Std Dev: 27.0

Max: 80.0 Min: 20.0



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Big Mary's Creek

District: Pedlar

Quadrangle: Montebello

Sample Date: 7/19/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 4.5 miles

Percent of Total Area - Pools: 24.5%

Number of Pools: 265

Number of Pools per mile: 59

Total Pool Area: 68544.41 sq. ft. \pm 11009.15

Mean Pool Area: 258.66 sq. ft.

Correction Factor: 0.95

Mean Maximum Depth: 1.7'

Mean Average Depth: 1.2'

Percent of Total Area - Riffles: 75.5%

Number of Riffles: 235

Number of Riffles per mile: 52

Total Riffle Area: 211389.15 \pm 25851.7134

Mean Riffle Area: 899.53 sq. ft.

Correction Factor: 1.02

Mean Maximum Depth: 0.8'

Mean Average Depth: 0.5'

Number of Large Woody Debris Pieces per Mile: 32.0

Wood < 15' and < 14": 16.7

Wood < 15' and > 14": 5.1

Wood > 15' and < 14": 6.7

Wood > 15' and > 14": 3.6

Mean Channel Width: 24.7'

Mean Riparian Width: 65.4'

Mean Maximum Riparian Distance (either side): 33.5'

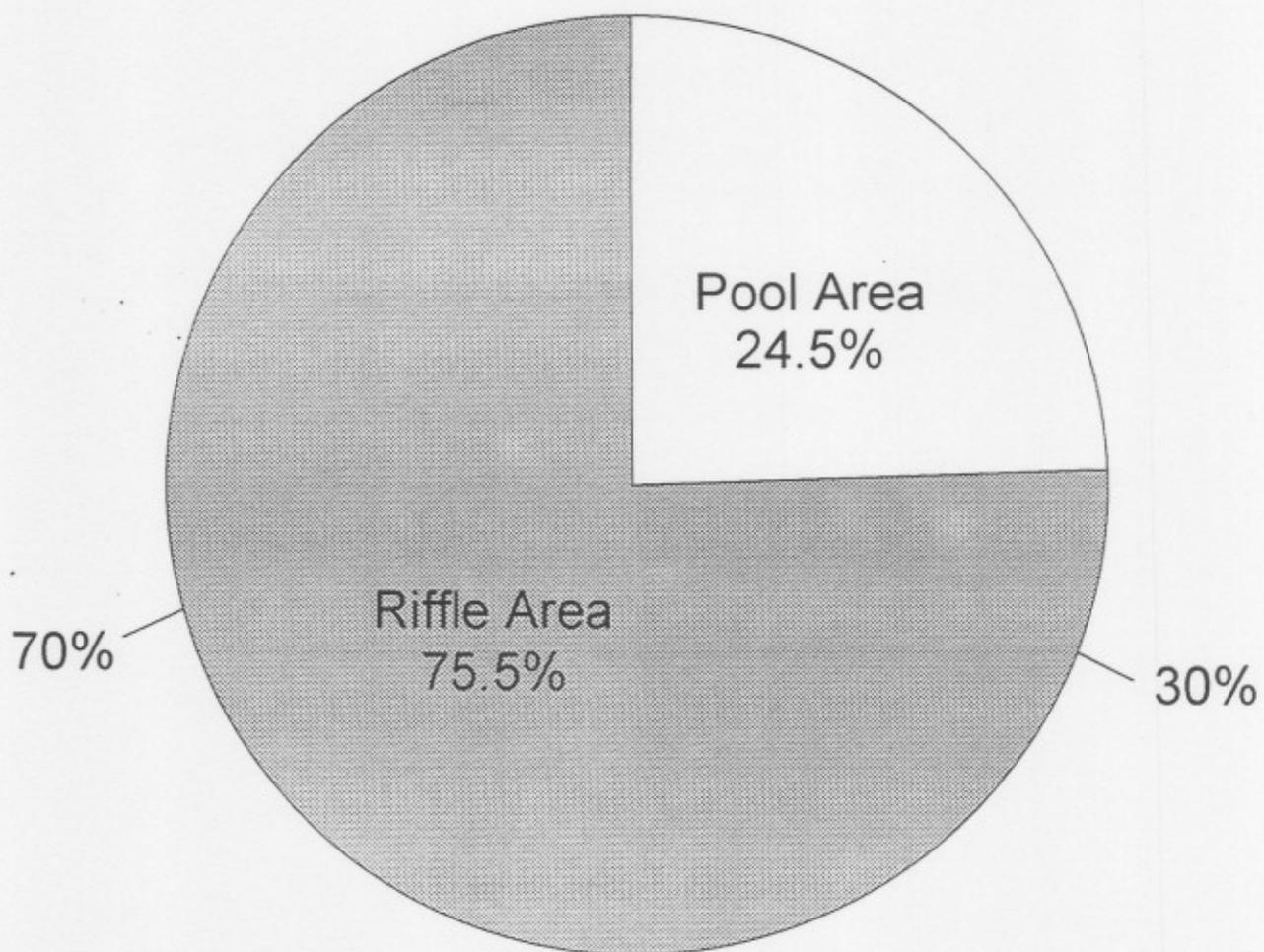
Mean Minimum Riparian Distance (either side): 7.1'

Maximum Riparian Width (Total): 118.1'

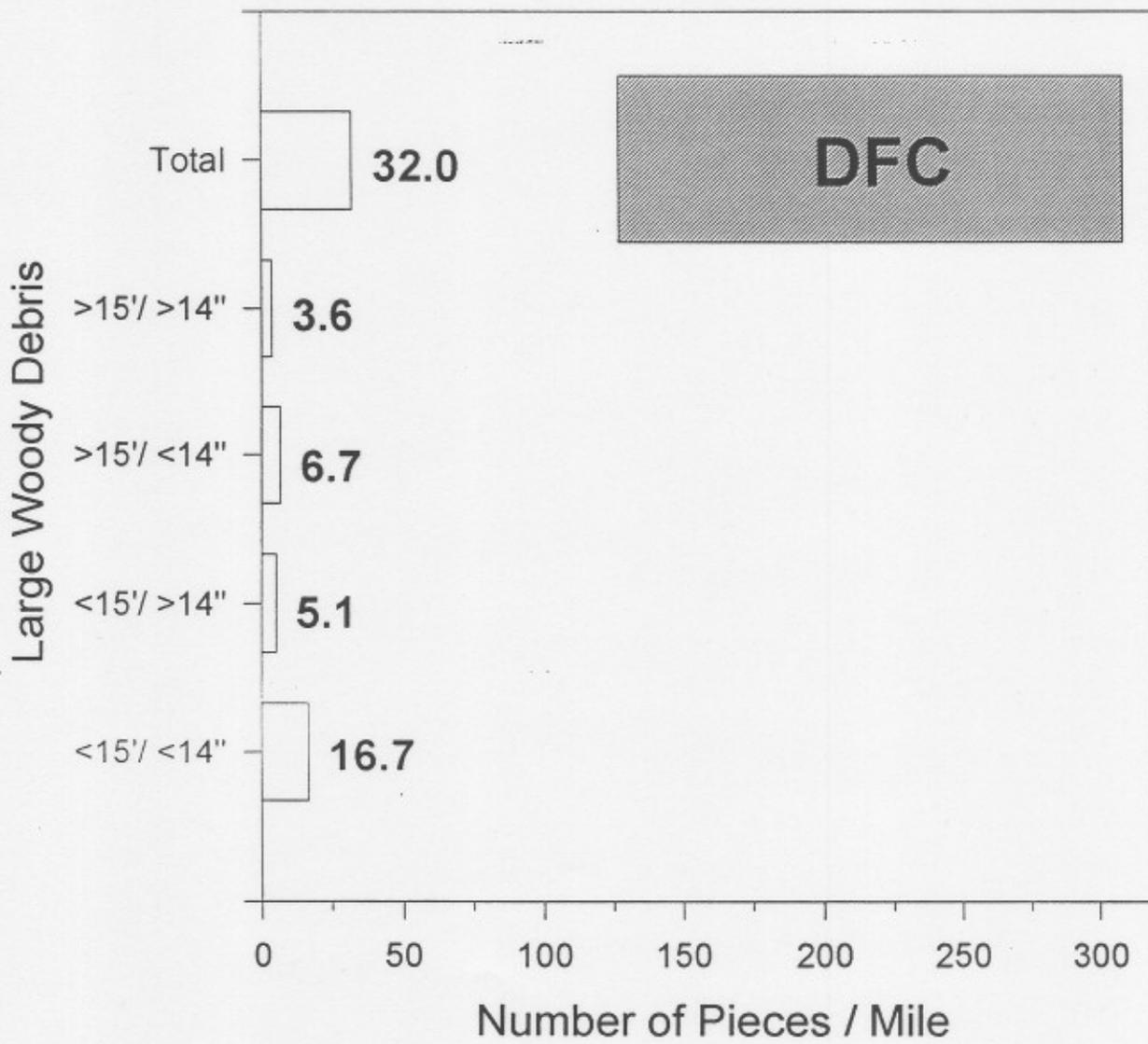
Minimum Riparian Width (Total): 37.5'

Big Marys Creek

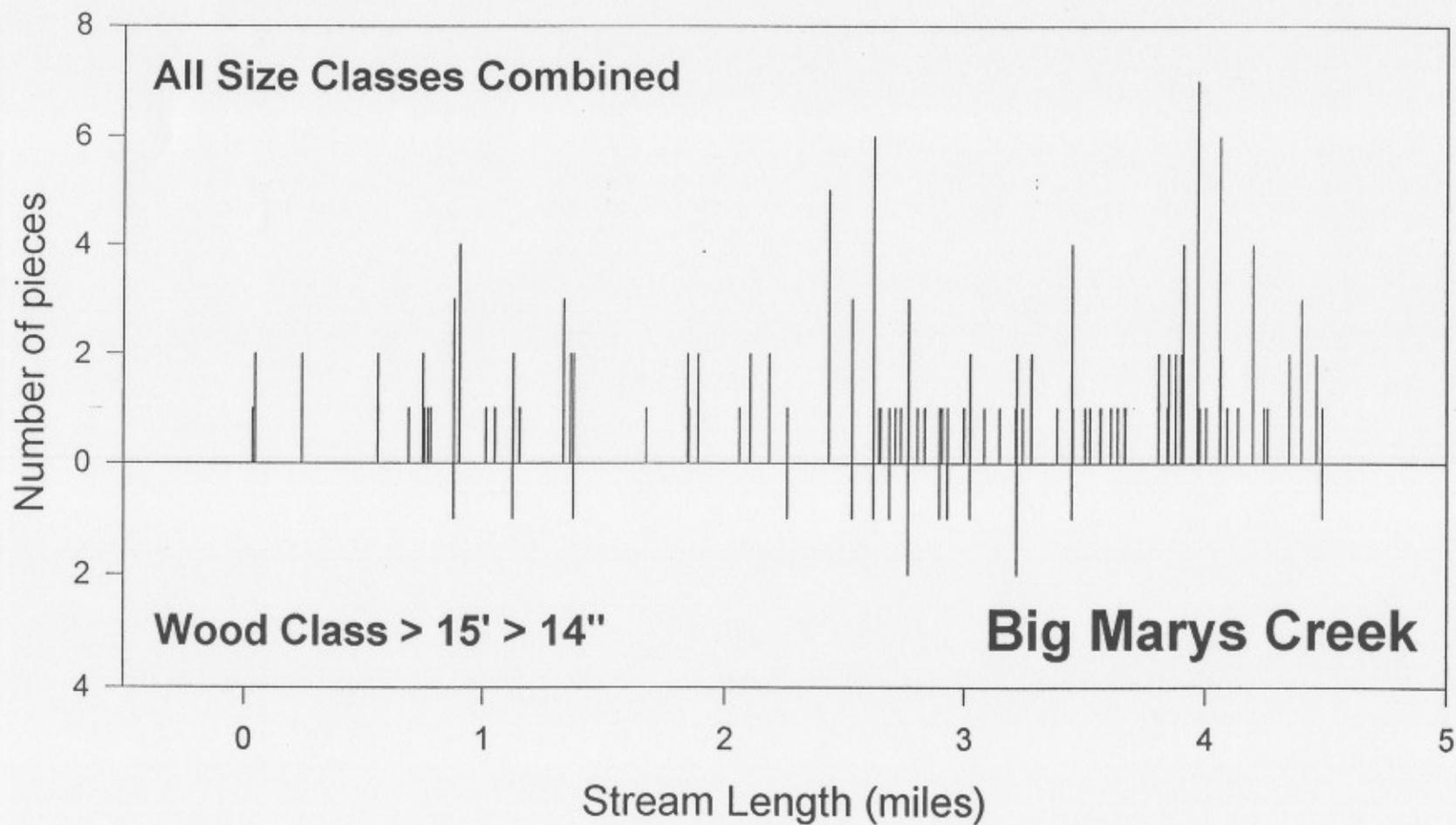
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Big Marys Creek



Large Woody Debris Distribution



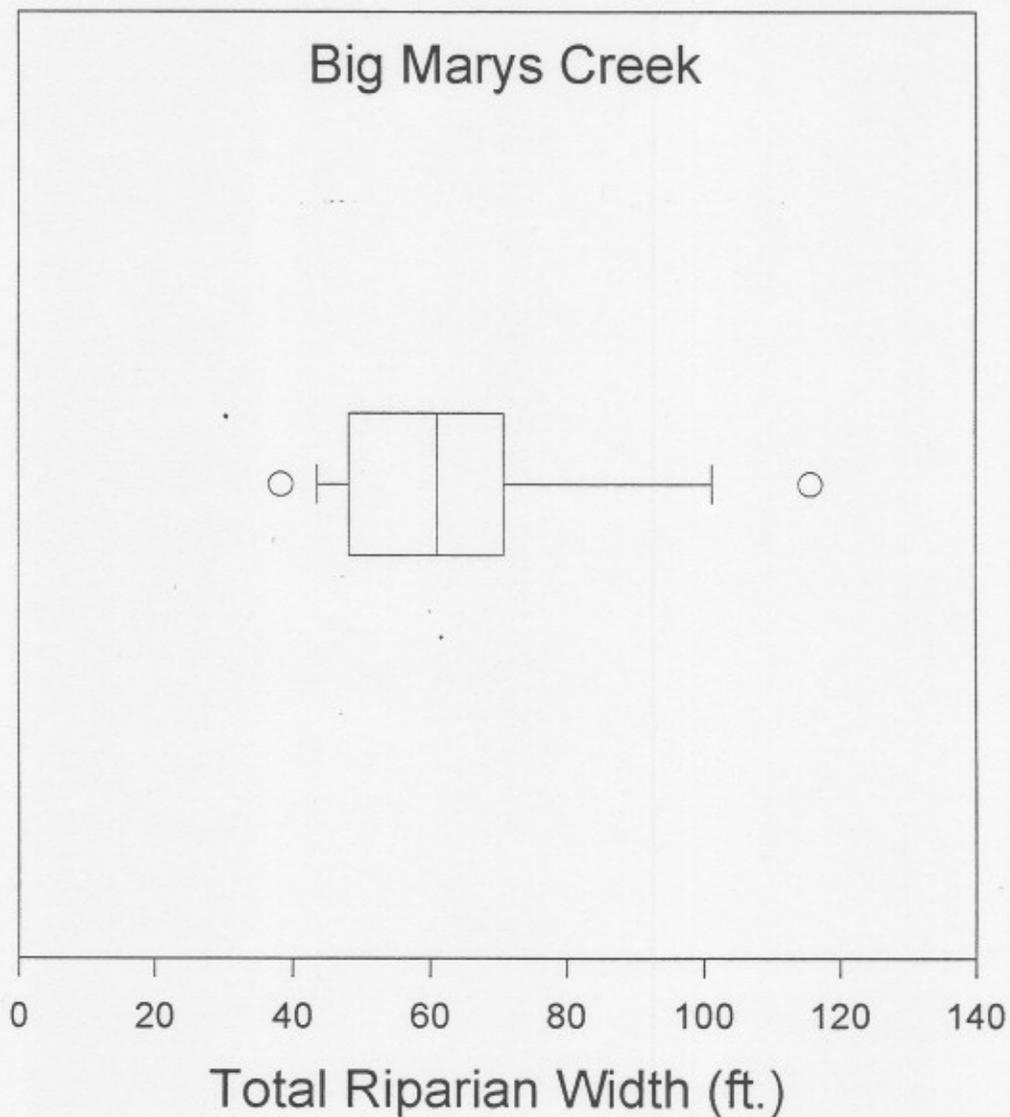
Riparian Width

Stream: Big Marys Creek

Number of measurements: 12

Mean width: 65.4 Std Dev: 22.4

Max: 118.1 Min: 37.5



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Campbell Creek

District: Pedlar

Quadrangle: Massies Mill

Sample Date: 7/18/95

Downstream Starting Point:

Total Distance Surveyed: .91 miles

Percent of Total Area - Pools: 25.4%

Number of Pools: 63

Number of Pools per mile: 69

Total Pool Area: 11320.08 sq. ft. \pm 2611.10

Mean Pool Area: 179.69 sq. ft.

Correction Factor: 1.06

Mean Maximum Depth: 2.1'

Mean Average Depth: 1.2'

Percent of Total Area - Riffles: 74.6%

Number of Riffles: 62

Number of Riffles per mile: 68

Total Riffle Area: 33175.10 sq. ft. \pm 2005.07

Mean Riffle Area: 535.08 sq. ft.

Correction Factor: 1.09

Mean Maximum Depth: 0.8'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 299.6

Wood < 15' and < 14": 203.0

Wood < 15' and > 14": 20.9

Wood > 15' and < 14": 63.7

Wood > 15' and > 14": 12.0

Mean Channel Width: 14.0'

Mean Riparian Width: 37.7'

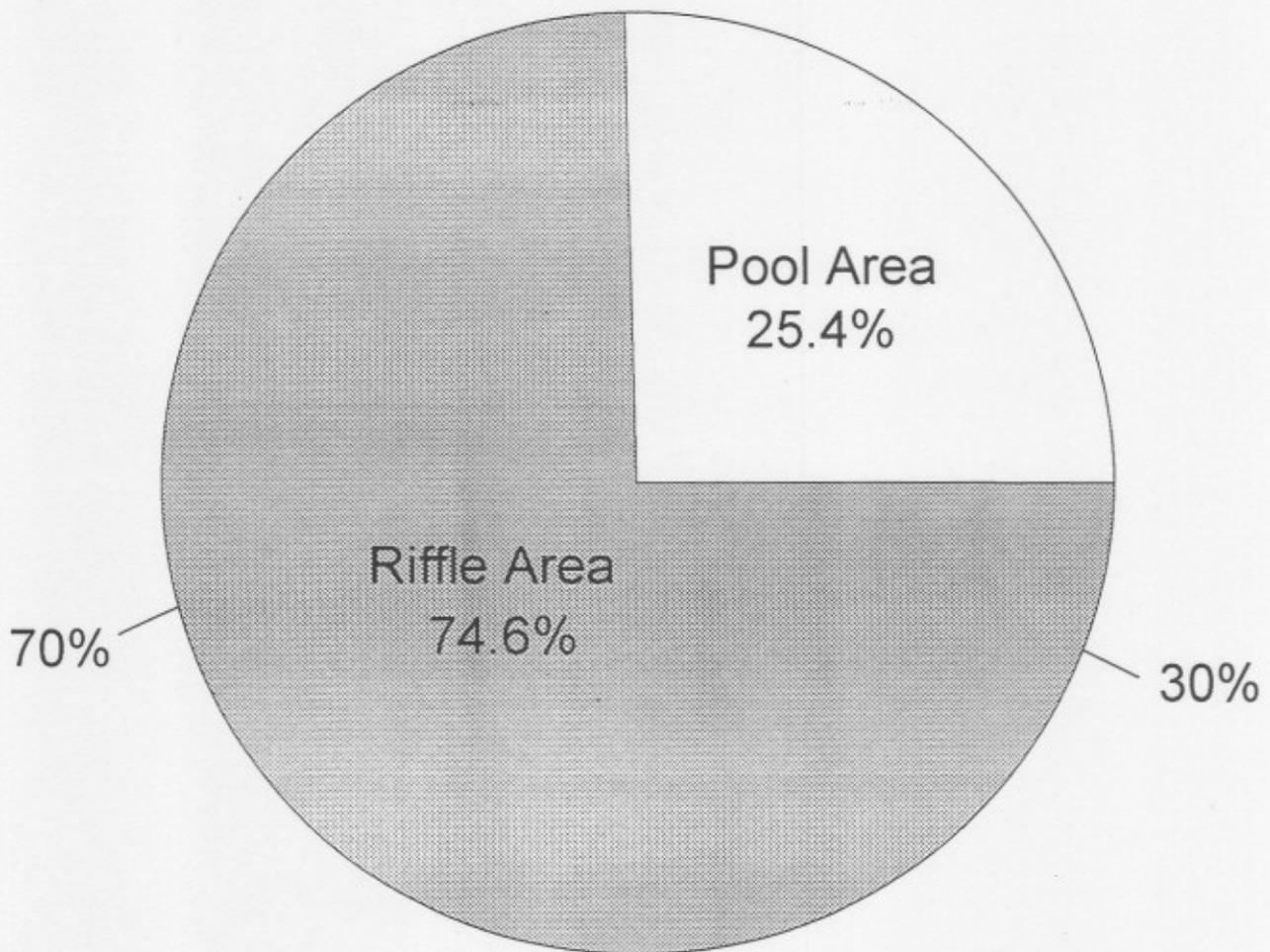
Mean Maximum Riparian Distance (either side): 20.8'

Mean Minimum Riparian Distance (either side): 2.9'

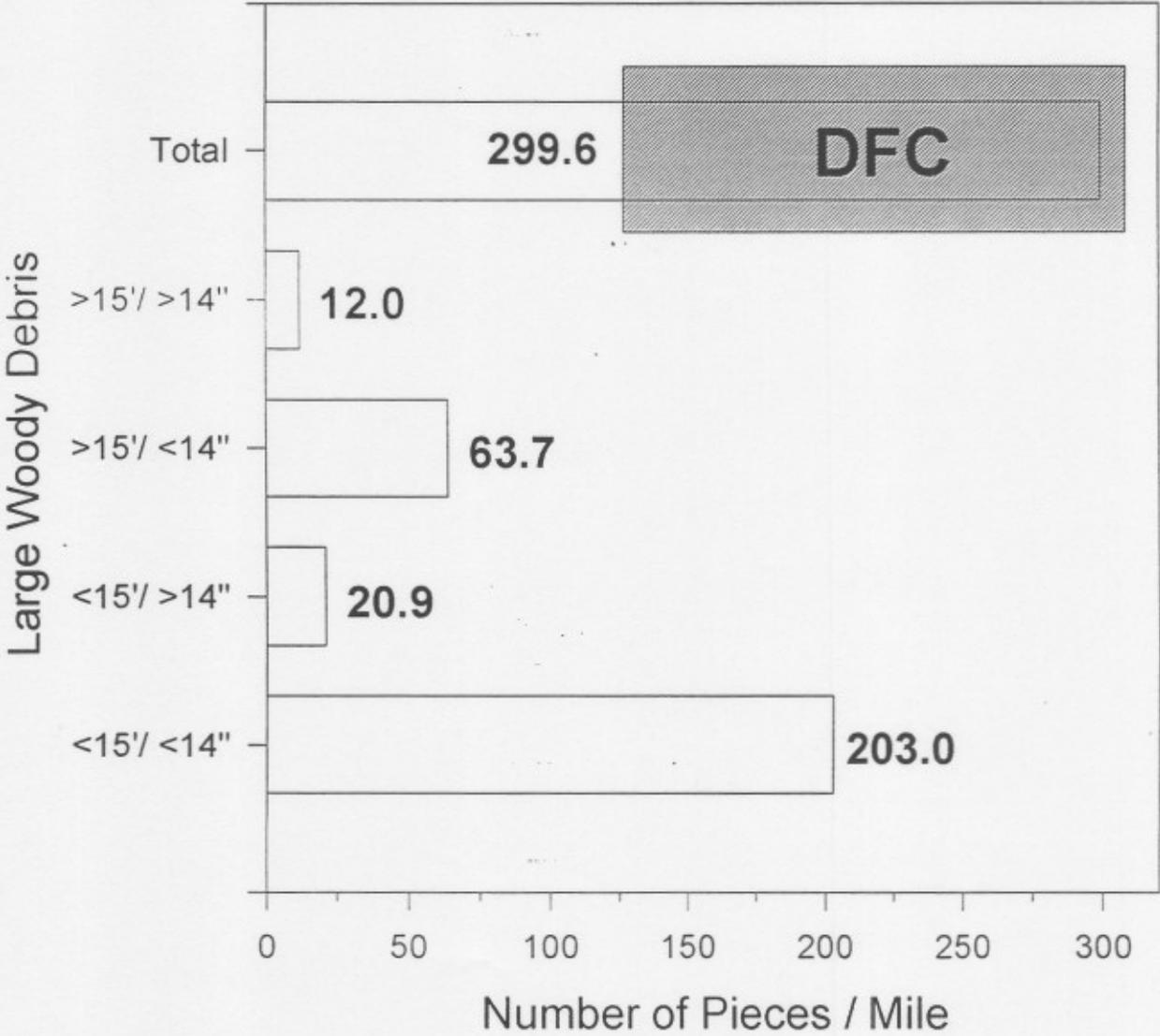
Maximum Riparian Width (Total): 41.6'

Minimum Riparian Width (Total): 34.9'

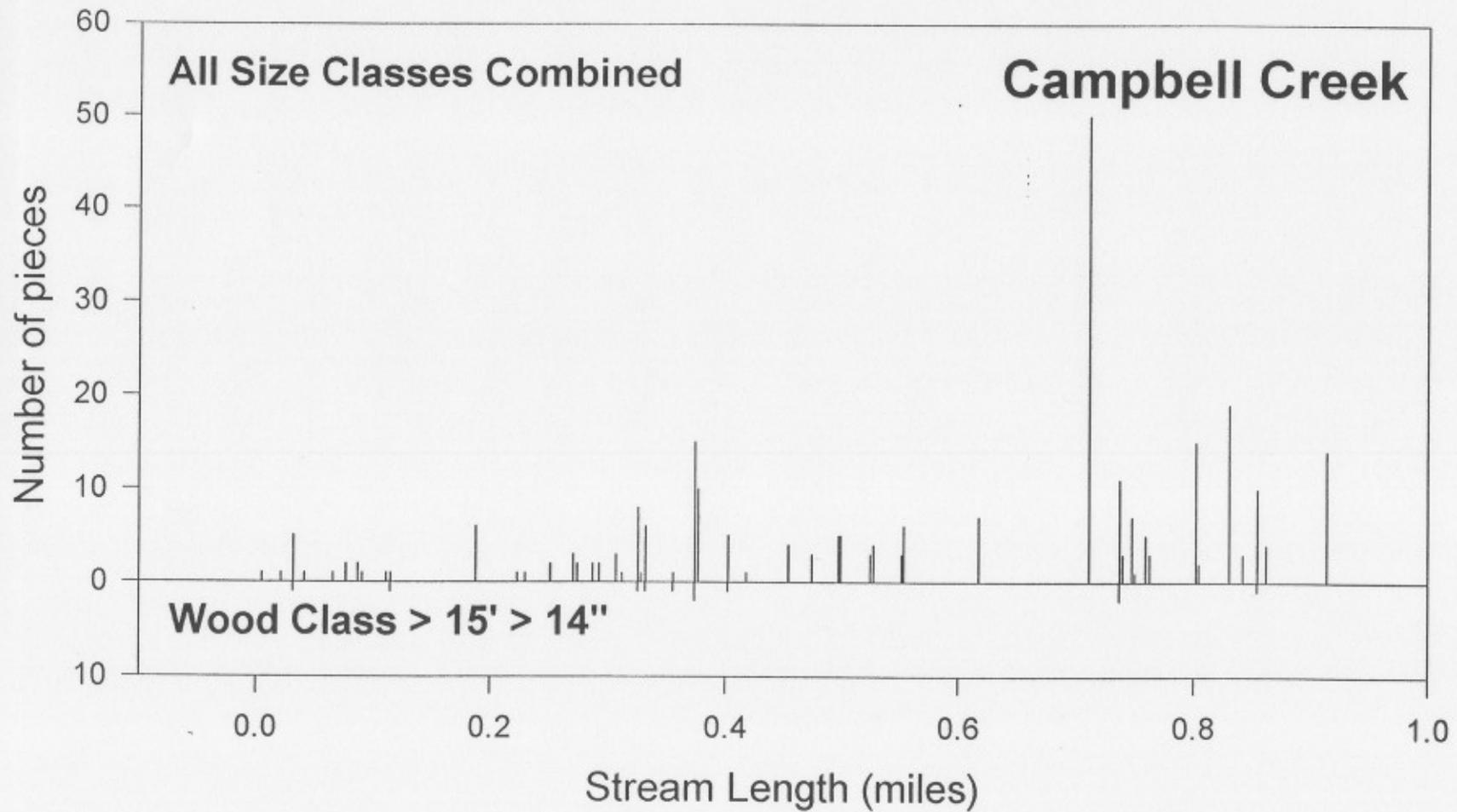
Campbell Creek
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Campbell Creek



Large Woody Debris Distribution



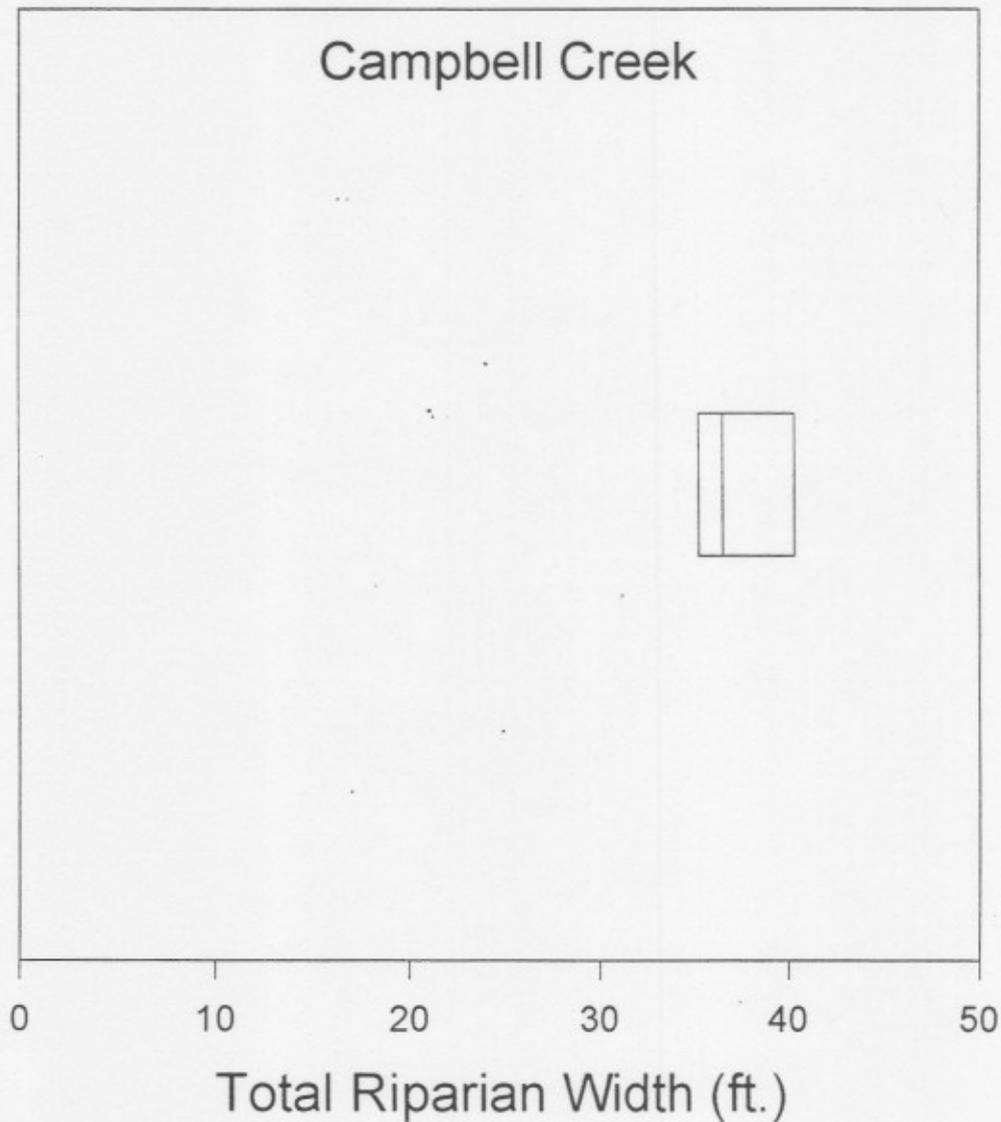
Riparian Width

Stream: Campbell Creek

Number of measurements: 3

Mean width: 37.7 Std Dev: 3.5

Max: 41.6 Min: 34.9



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Coxs Creek

District: Pedlar

Quadrangle: Massies Mill

Sample Date: 7/17/95

Downstream Starting Point: Forest Service Boundary

Total Distance Surveyed: 1.0 miles

Percent of Total Area - Pools: 45.2%

Number of Pools: 137

Number of Pools per mile: 137

Total Pool Area: 27017.44 sq. ft. \pm 1306.82

Mean Pool Area: 197.21 sq. ft.

Correction Factor: 1.03

Mean Maximum Depth: 1.9'

Mean Average Depth: 1.2'

Percent of Total Area - Riffles: 54.8%

Number of Riffles: 100

Number of Riffles per mile: 100

Total Riffle Area: 32742.37 sq. ft. \pm 6949.47

Mean Riffle Area: 327.42 sq. ft.

Correction Factor: 1.02

Mean Maximum Depth: 1.0'

Mean Average Depth: 0.5'

Number of Large Woody Debris Pieces per Mile: 147.0

Wood < 15' and < 14": 115.0

Wood < 15' and > 14": 7.0

Wood > 15' and < 14": 21.0

Wood > 15' and > 14": 4.0

Mean Channel Width: 31.8'

Mean Riparian Width: 71.6'

Mean Maximum Riparian Distance (either side): 31.5'

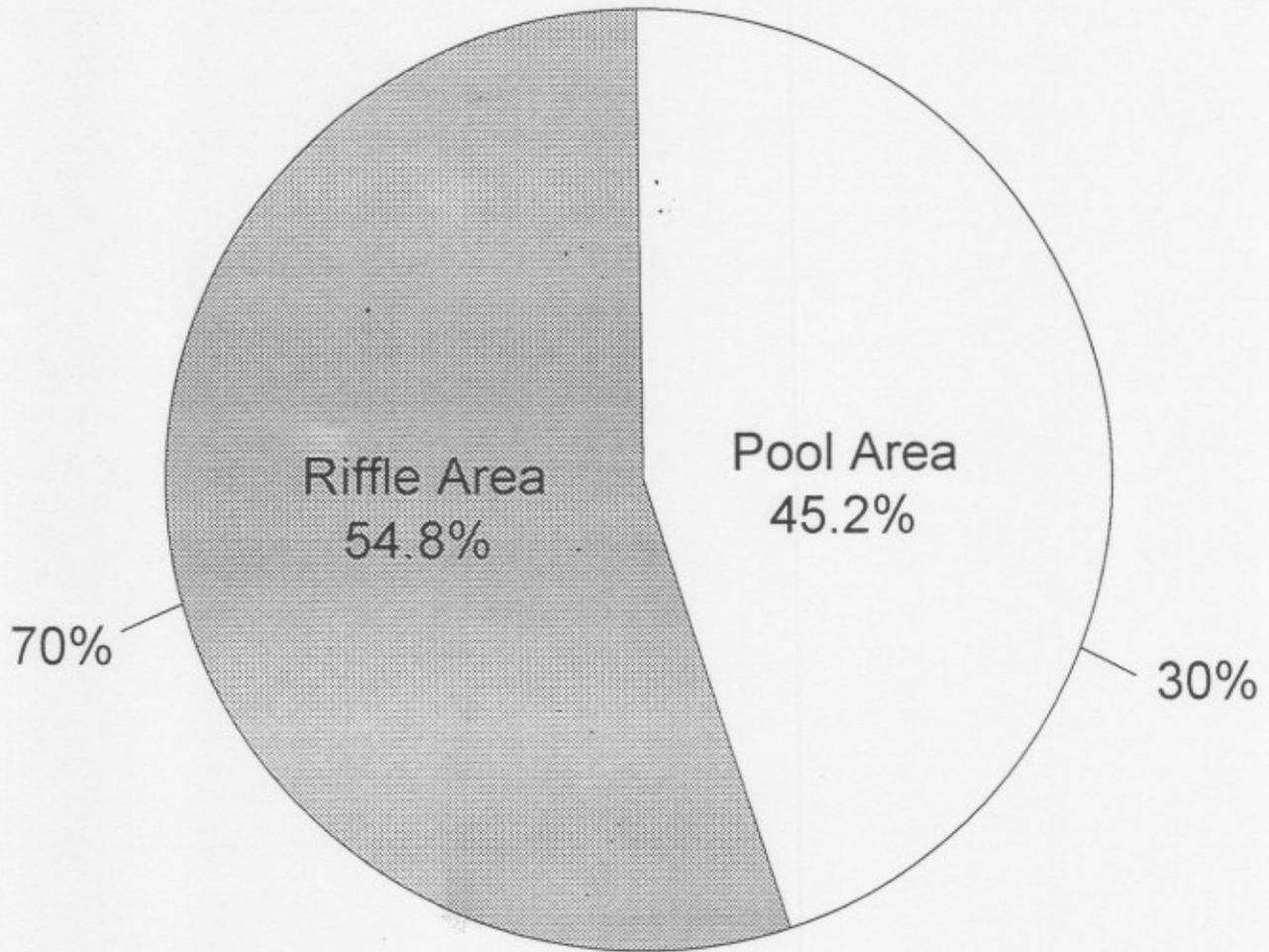
Mean Minimum Riparian Distance (either side): 8.2'

Maximum Riparian Width (Total): 93.1'

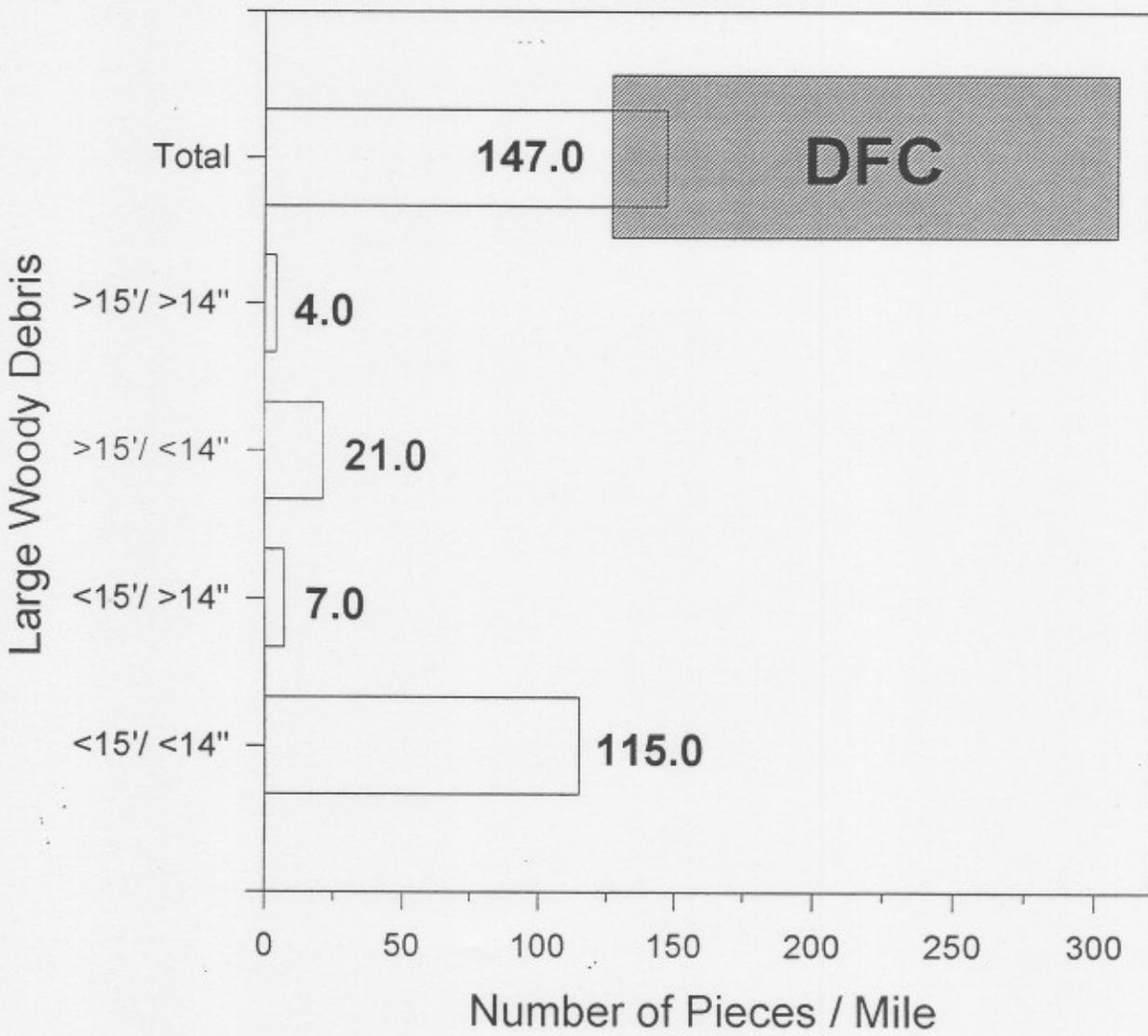
Minimum Riparian Width (Total): 48.6'

Coxs Creek

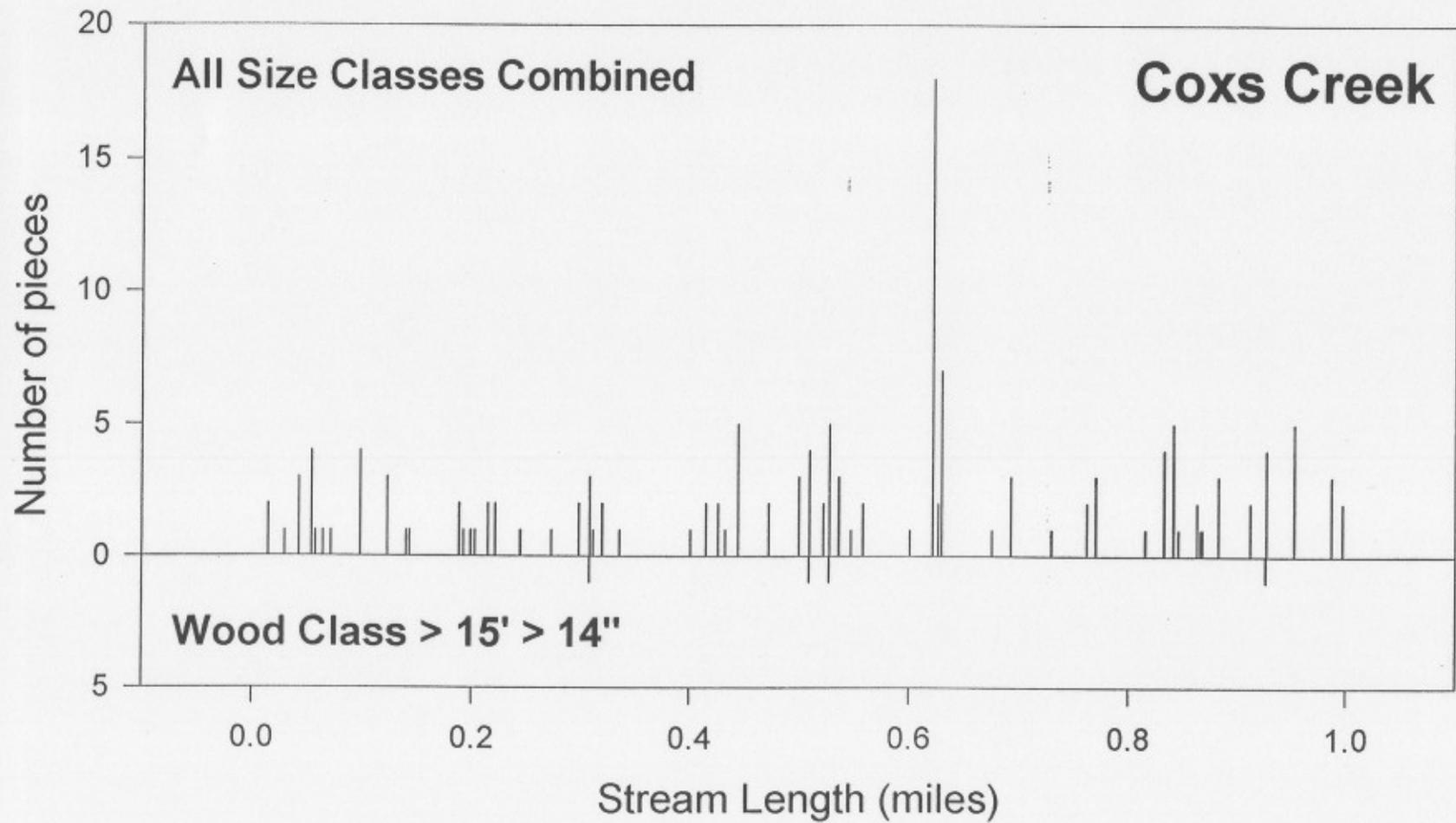
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Coxs Creek



Large Woody Debris Distribution



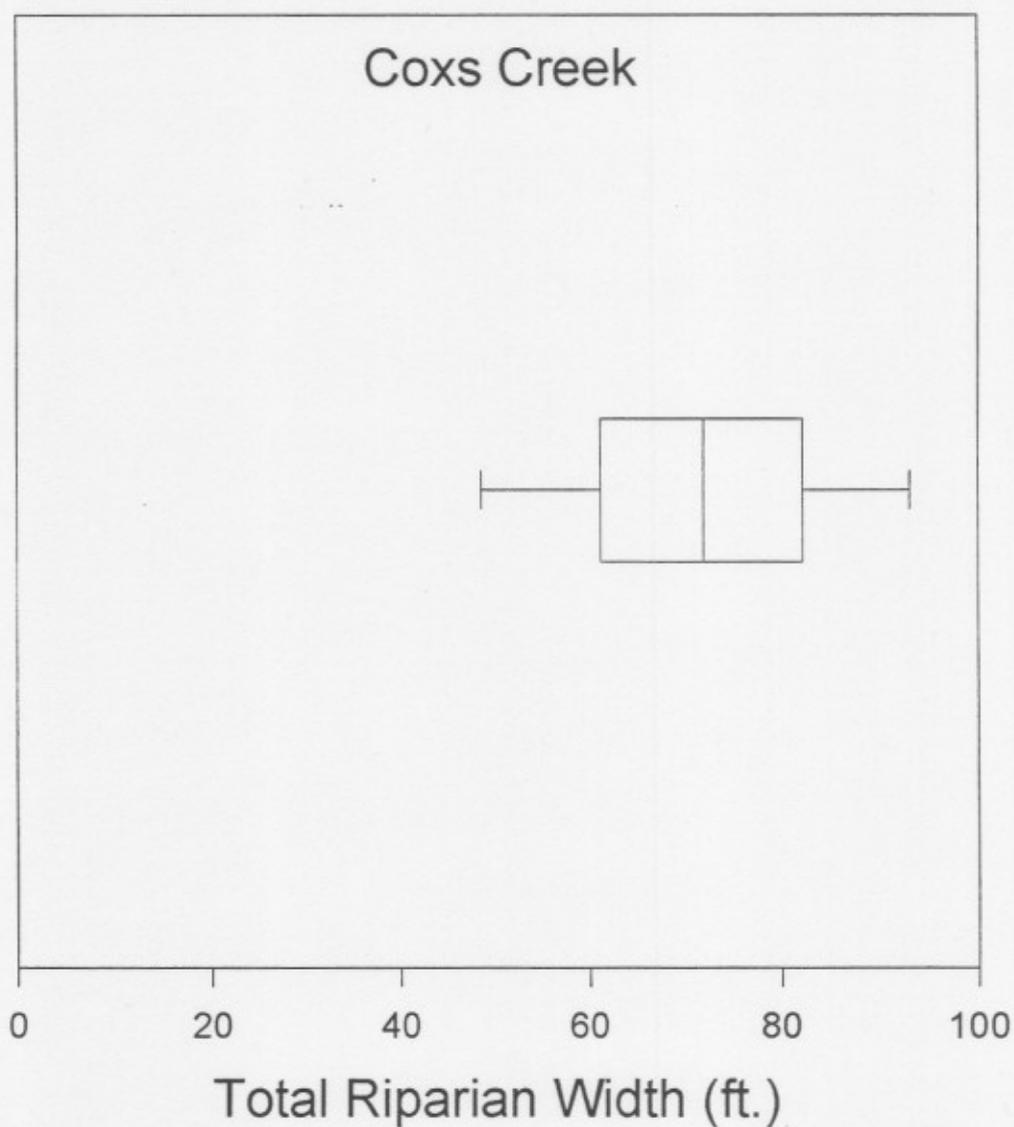
Riparian Width

Stream: Coxs Creek

Number of measurements: 5

Mean width: 71.6 Std Dev: 16.4

Max: 93.1 Min: 48.6



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Elk Pond Branch

District: Pedlar

Quadrangle: Montebello

Sample Date: 8/3/95

Downstream Starting Point: confluence with North Fork Piney

Total Distance Surveyed: 0.51 miles

Percent of Total Area - Pools: 29.1%

Number of Pools: 61

Number of Pools per mile: 120

Total Pool Area: 7011.50 sq. ft. \pm 581.21

Mean Pool Area: 114.94 sq. ft.

Correction Factor: 0.96

Mean Maximum Depth: 1.3'

Mean Average Depth: 0.9'

Percent of Total Area - Riffles: 70.9%

Number of Riffles: 50

Number of Riffles per mile: 98

Total Riffle Area: 17115.94 sq. ft. \pm 11035.74

Mean Riffle Area: 342.32 sq. ft.

Correction Factor: 1.07

Mean Maximum Depth: 0.7'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 464.7

Wood < 15' and < 14": 303.9

Wood < 15' and > 14": 61.8

Wood > 15' and < 14": 68.6

Wood > 15' and > 14": 29.4

Mean Channel Width: 25.6'

Mean Riparian Width: 50.8'

Mean Maximum Riparian Distance (either side): 19.9'

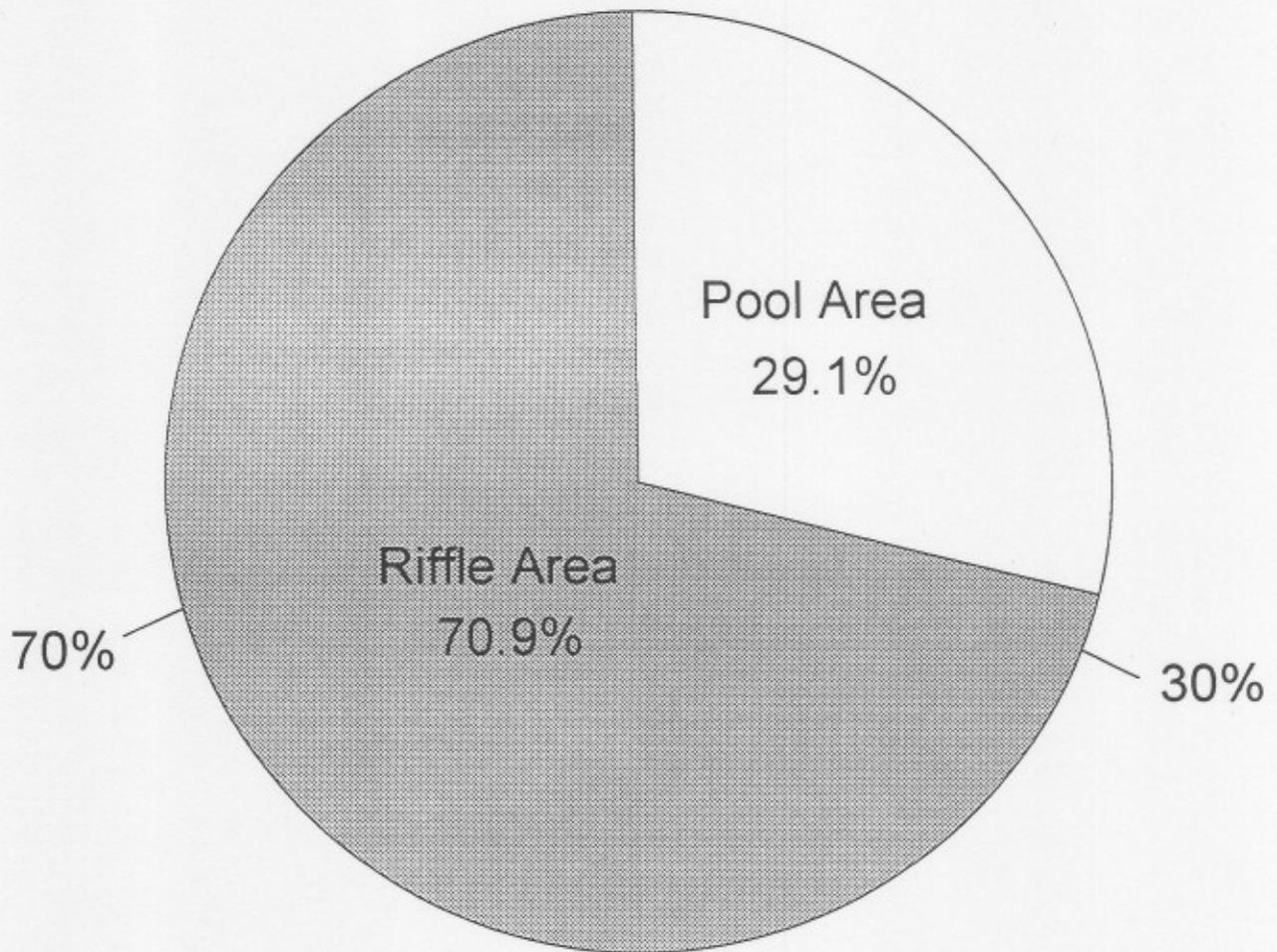
Mean Minimum Riparian Distance (either side): 5.3'

Maximum Riparian Width (Total): 69.1'

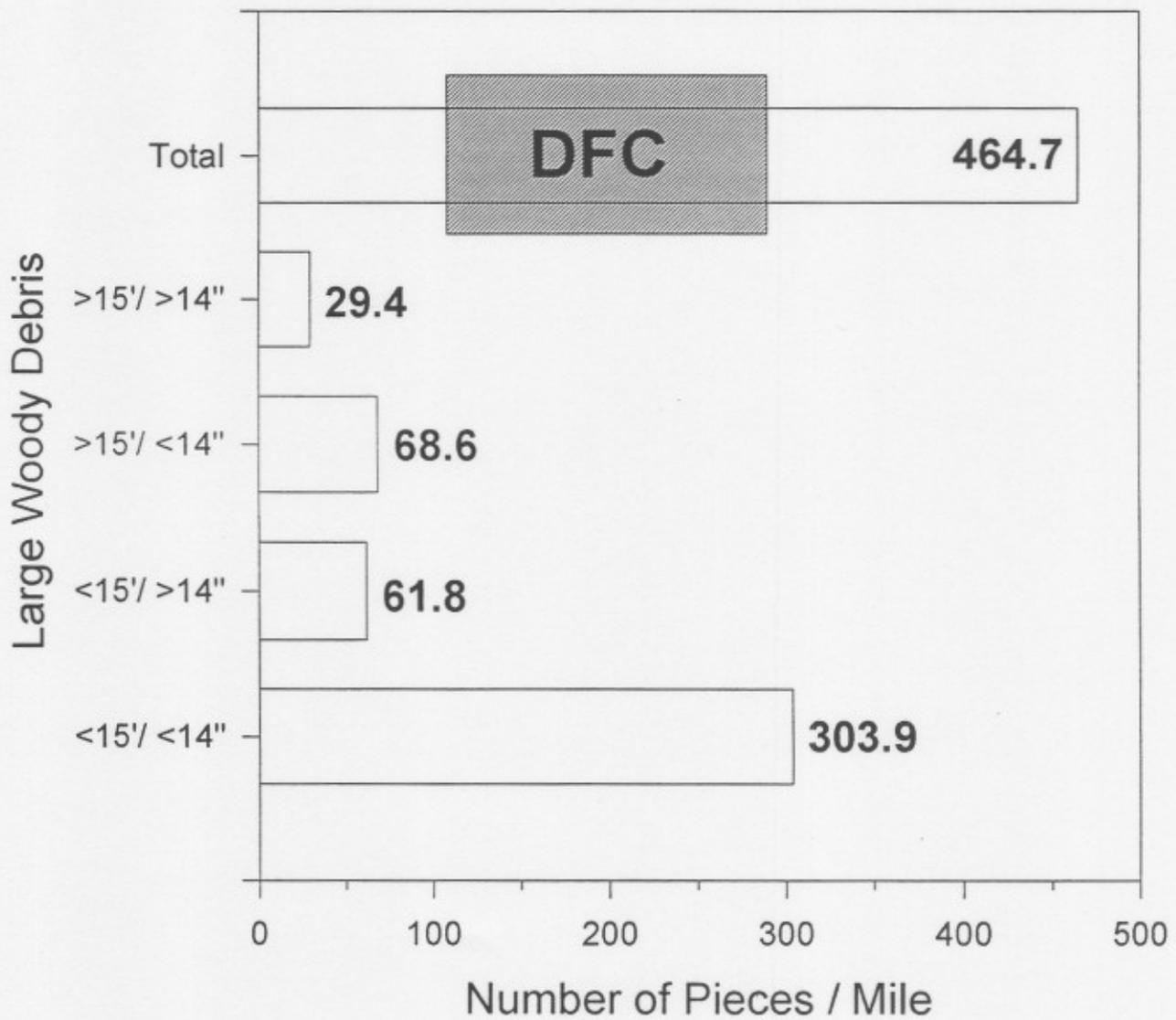
Minimum Riparian Width (Total): 39.0'

Elk Pond Branch

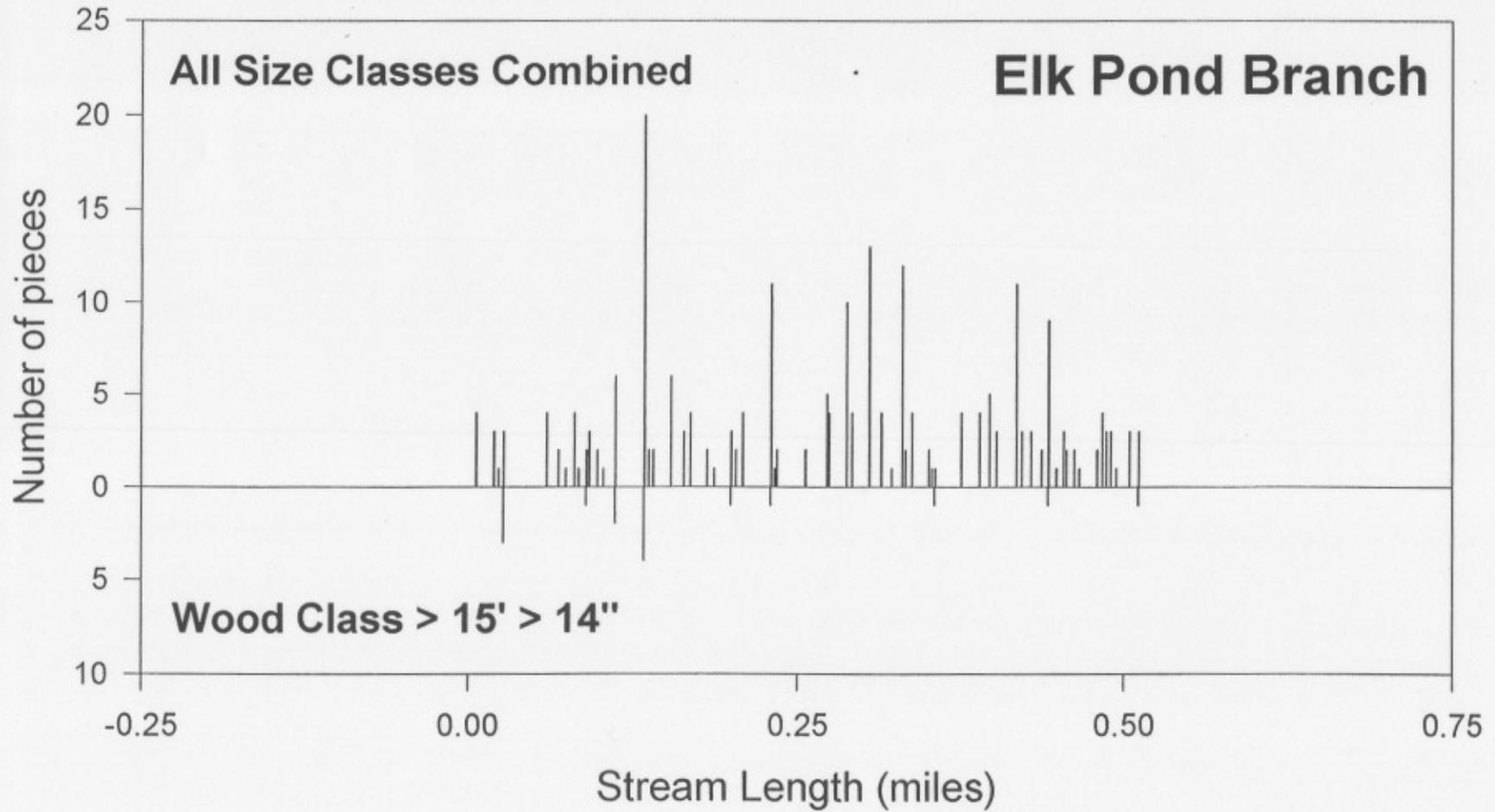
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Elk Pond Branch



Large Woody Debris Distribution



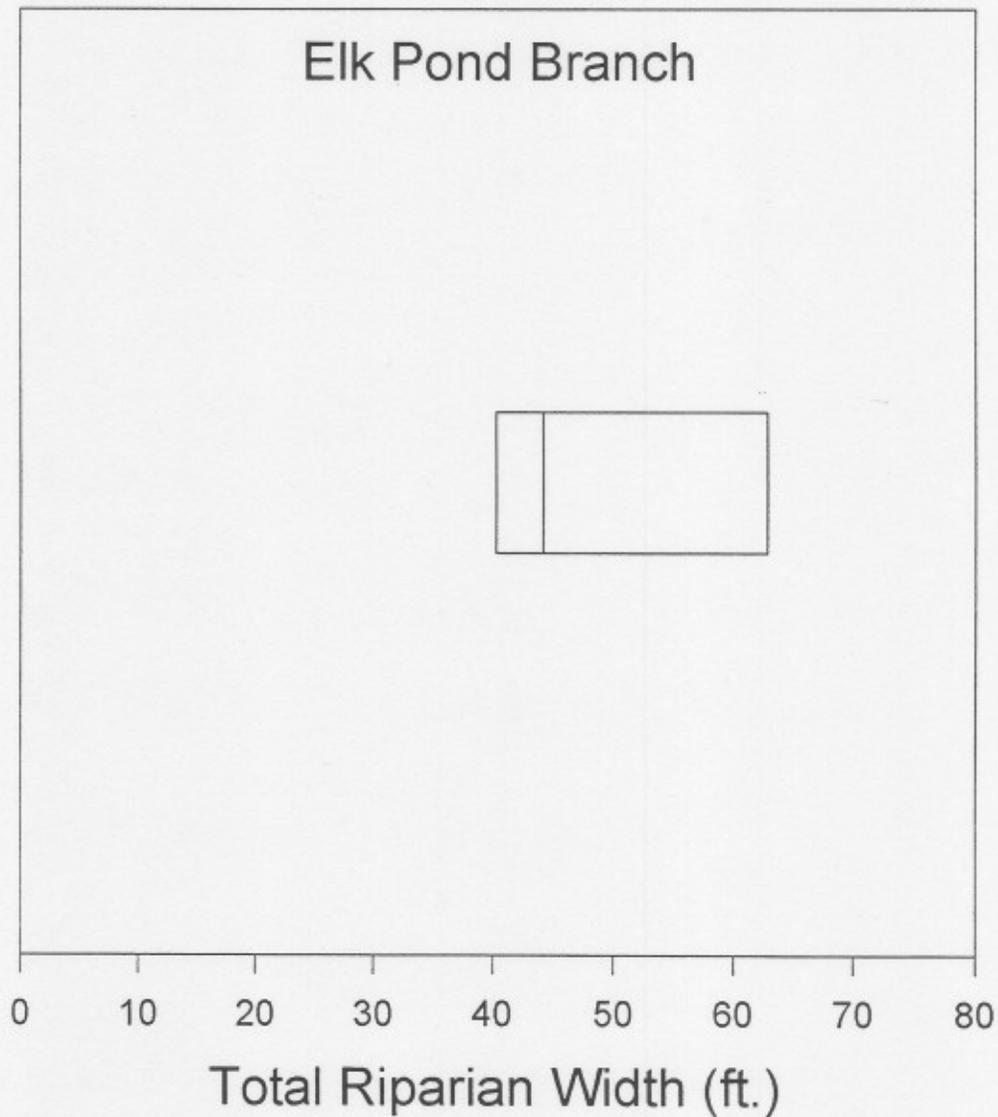
Riparian Width

Stream: Elk Pond Branch

Number of measurements: 3

Mean width: 50.8 Std Dev: 16.1

Max: 69.1 Min: 39.0



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Georges Creek

District: Pedlar

Quadrangle: Montebello

Sample Date: 8/1/95

Downstream Starting Point: confluence with Little Piney

Total Distance Surveyed: 1.42 miles

Percent of Total Area - Pools: 34.5%

Number of Pools: 150

Number of Pools per mile: 106

Total Pool Area: 25505.68 sq. ft. \pm 1343.14

Mean Pool Area: 170.04 sq. ft.

Correction Factor: 1.06

Mean Maximum Depth: 1.7'

Mean Average Depth: 1.2'

Percent of Total Area - Riffles: 65.5%

Number of Riffles: 129

Number of Riffles per mile: 91

Total Riffle Area: 48414.05 sq. ft. \pm 3256.29

Mean Riffle Area: 375.30 sq. ft.

Correction Factor: 1.03

Mean Maximum Depth: 1.0'

Mean Average Depth: 0.5'

Number of Large Woody Debris Pieces per Mile: 185.9

Wood < 15' and < 14": 83.8

Wood < 15' and > 14": 2.8

Wood > 15' and < 14": 85.2

Wood > 15' and > 14": 14.1

Mean Channel Width: 27.7'

Mean Riparian Width: 79.8'

Mean Maximum Riparian Distance (either side): 40.1'

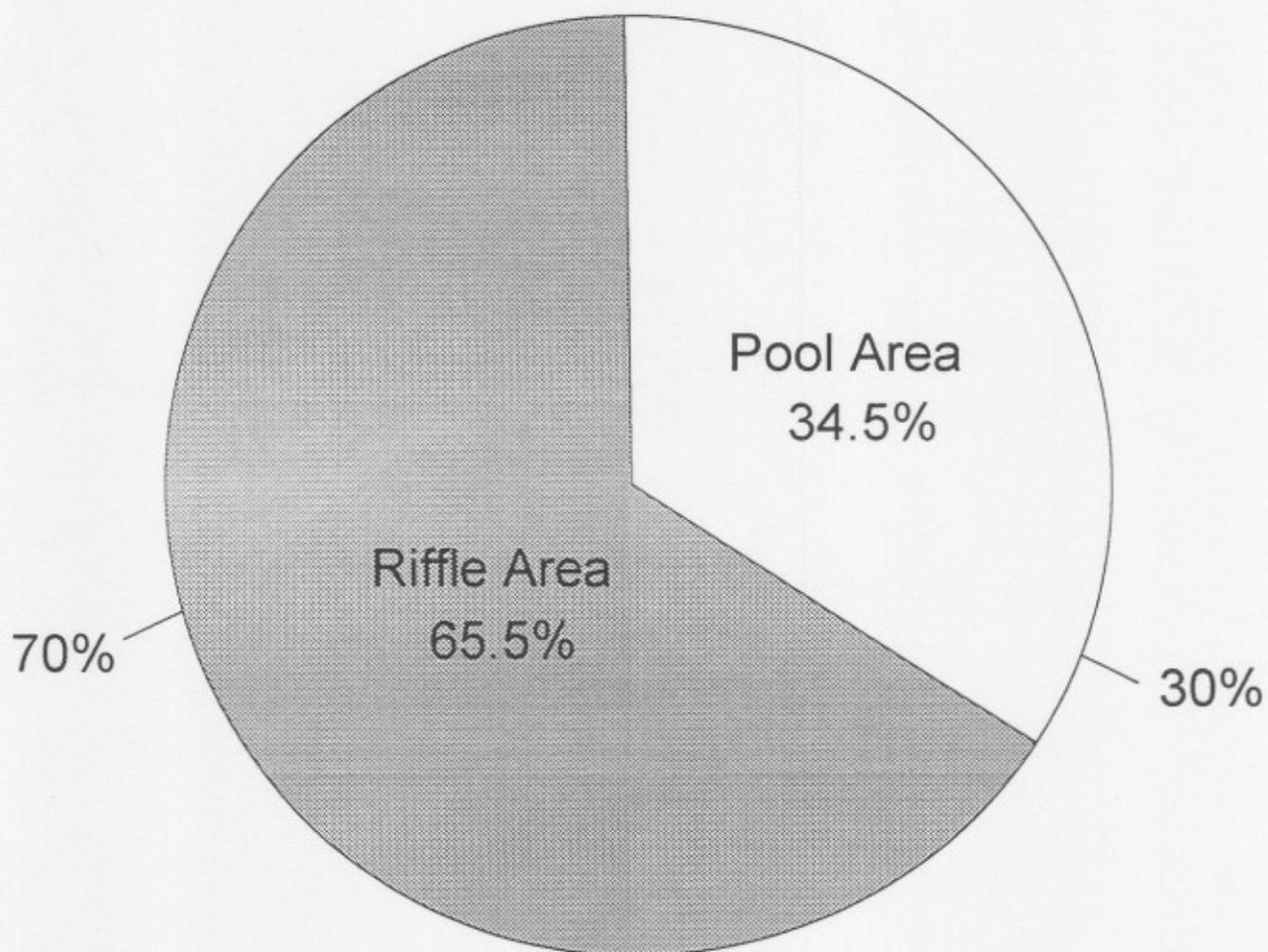
Mean Minimum Riparian Distance (either side): 12.0'

Maximum Riparian Width (Total): 102.0'

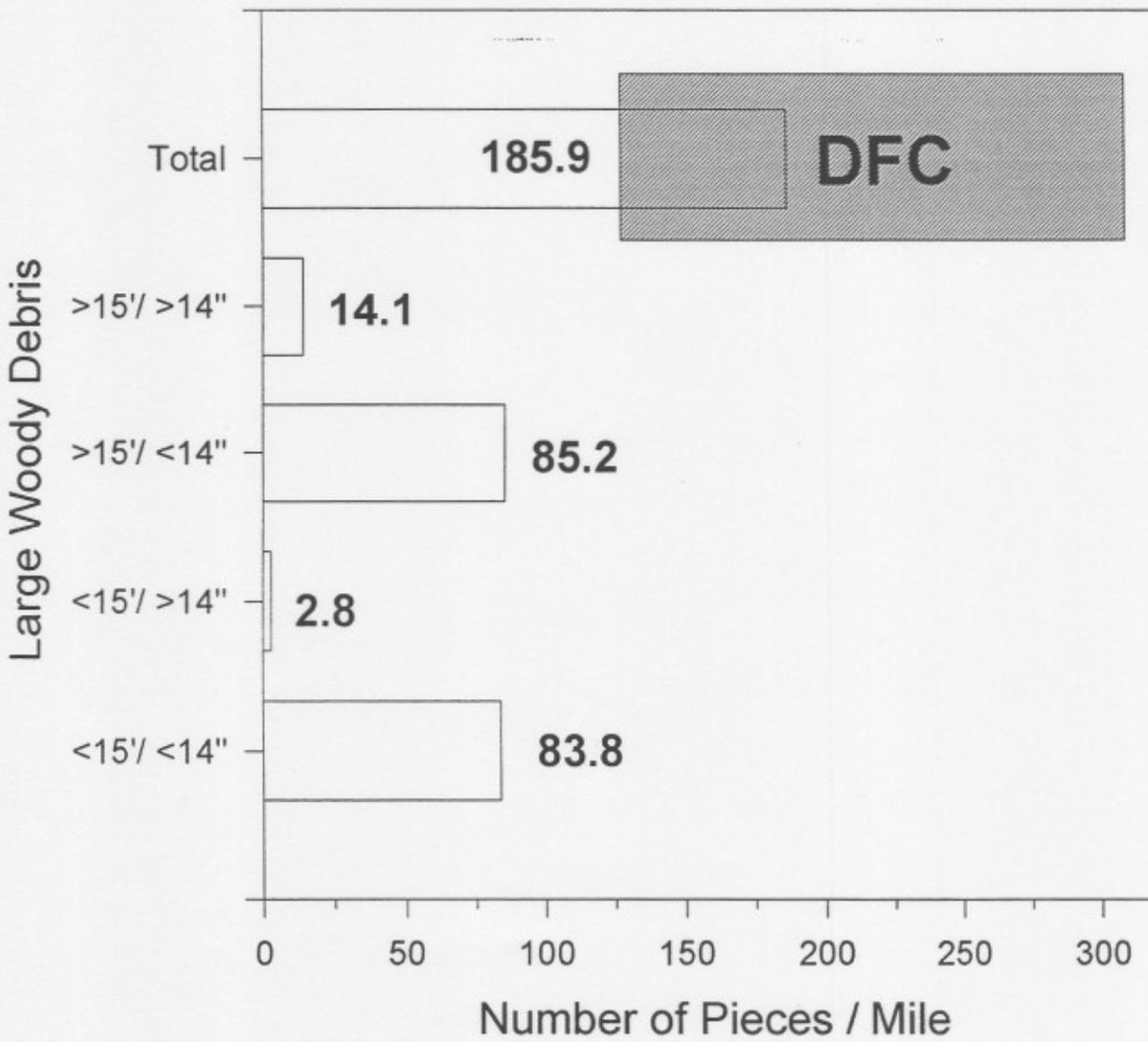
Minimum Riparian Width (Total): 61.0'

Georges Creek

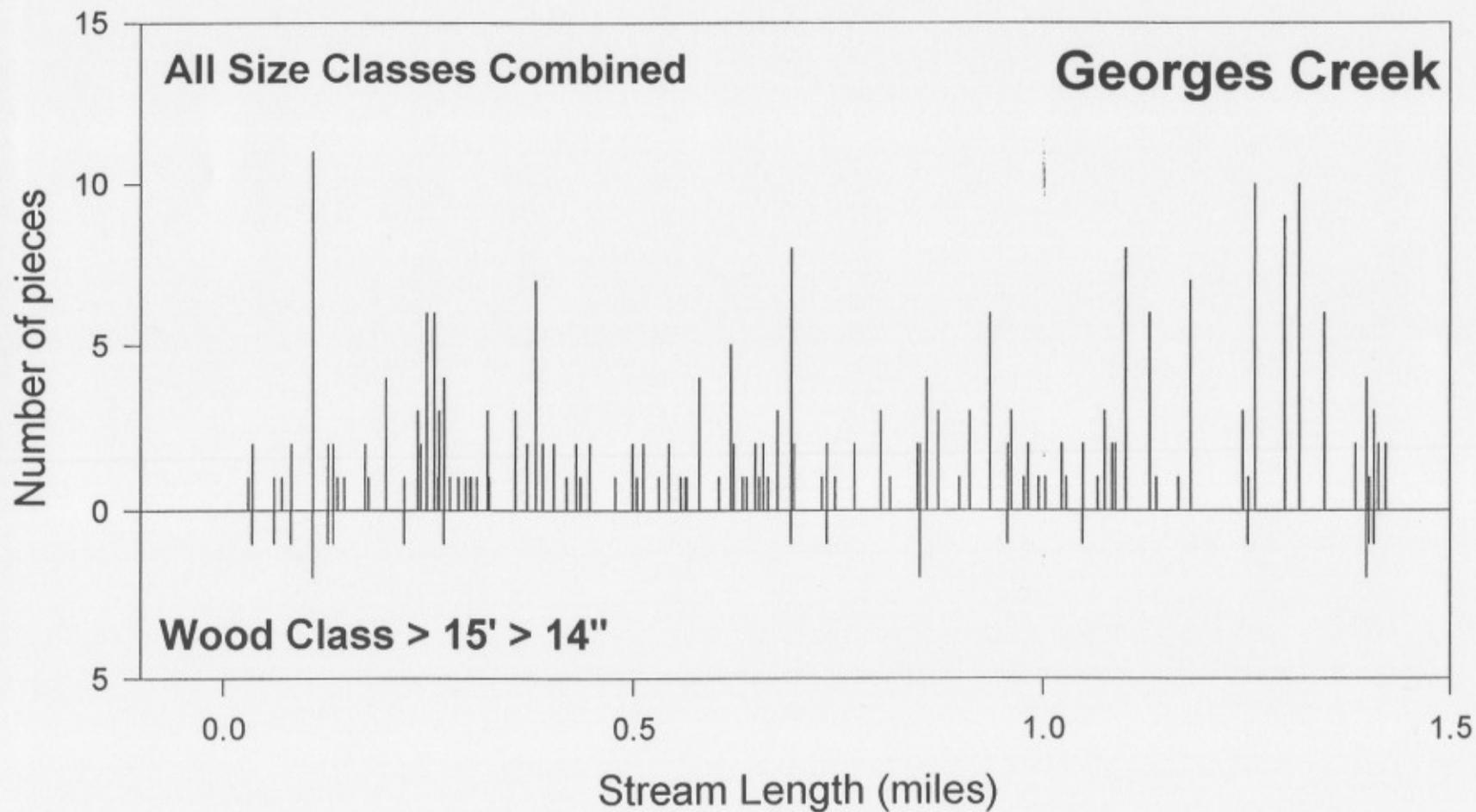
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Georges Creek



Large Woody Debris Distribution



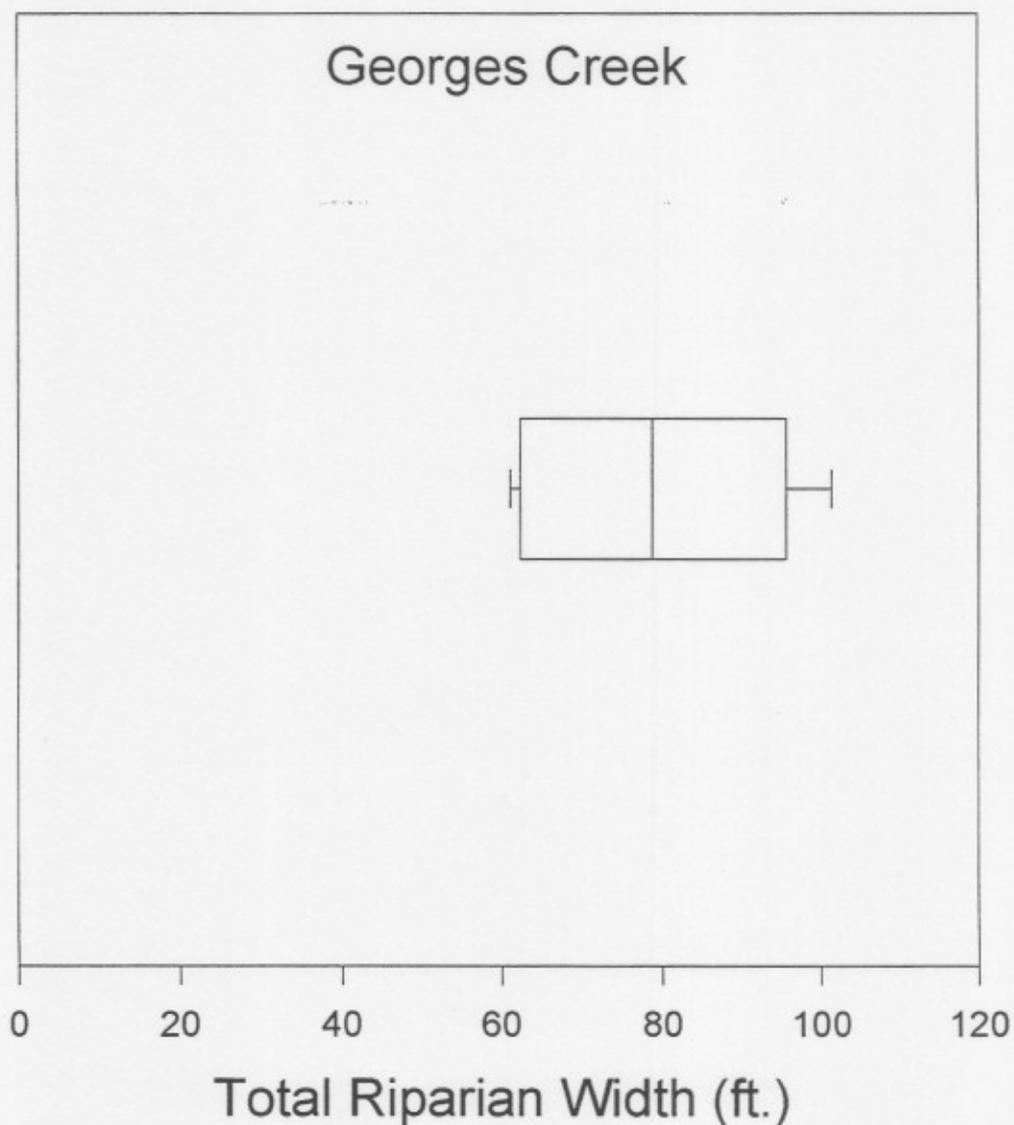
Riparian Width

Stream: Georges Creek

Number of measurements: 6

Mean width: 79.8 Std Dev: 16.8

Max: 102.0 Min: 61.0



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Greasy Springs Branch

District: Pedlar

Quadrangle: Montebello

Sample Date: 7/26/95

Downstream Starting Point: confluence with South Fork Piney

Total Distance Surveyed: 1.14

Percent of Total Area - Pools: 21.5%

Number of Pools: 79

Number of Pools per mile: 69

Total Pool Area: 11017.78 sq. ft. \pm 1960.24

Mean Pool Area: 139.47 sq. ft.

Correction Factor: 1.07

Mean Maximum Depth: 1.8'

Mean Average Depth: 1.3'

Percent of Total Area - Riffles: 78.5%

Number of Riffles: 75

Number of Riffles per mile: 66

Total Riffle Area: 40126.04 sq. ft. + 3344.72

Mean Riffle Area: 535.01 sq. ft.

Correction Factor: 0.90

Mean Maximum Depth: 1.1'

Mean Average Depth: 0.6'

Number of Large Woody Debris Pieces per Mile: 295.6

Wood < 15' and < 14": 65.8

Wood < 15' and > 14": 21.9

Wood > 15' and < 14": 152.6

Wood > 15' and > 14": 55.3

Mean Channel Width: 20.3'

Mean Riparian Width: 41.3'

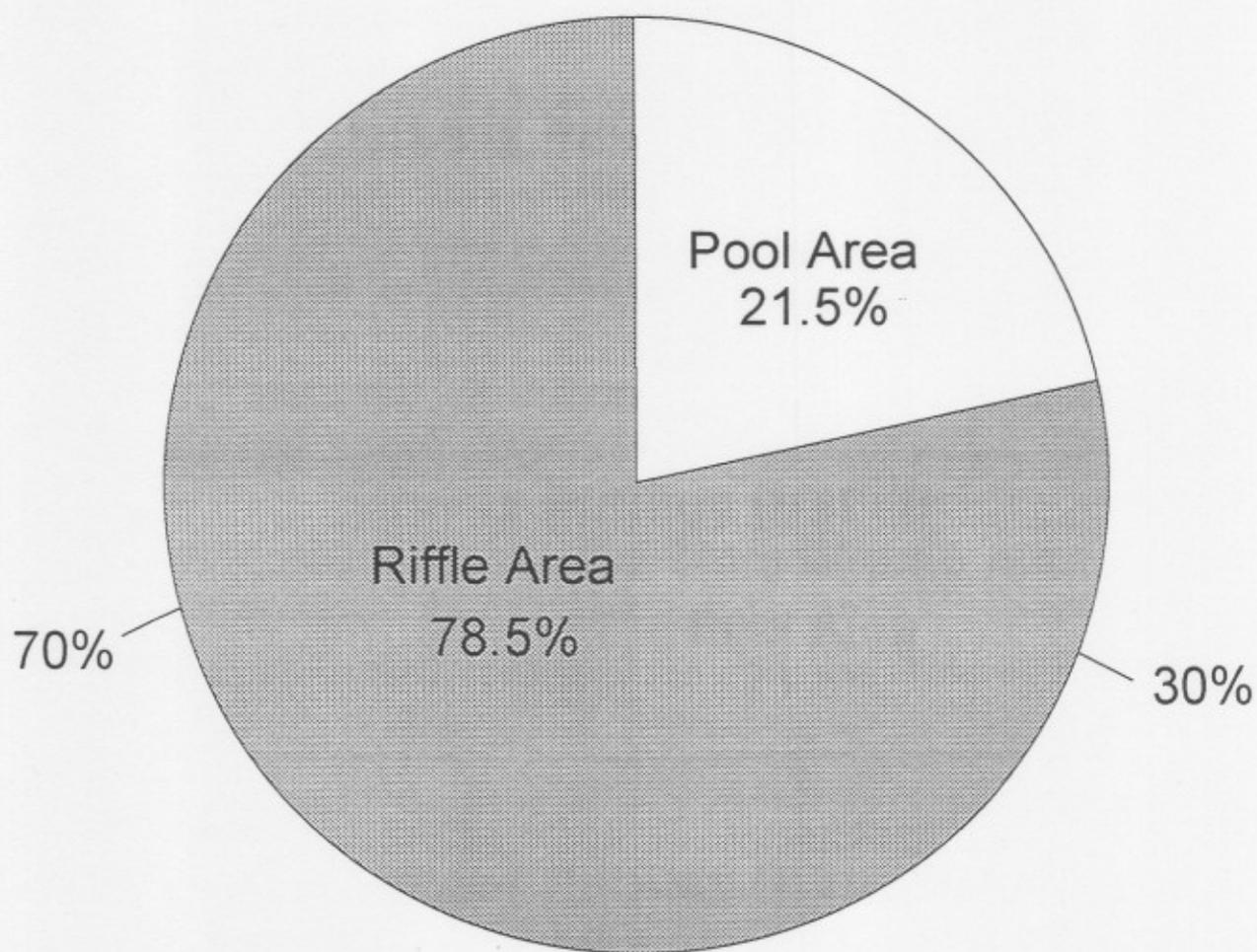
Mean Maximum Riparian Distance (either side): 15.7'

Mean Minimum Riparian Distance (either side): 5.5'

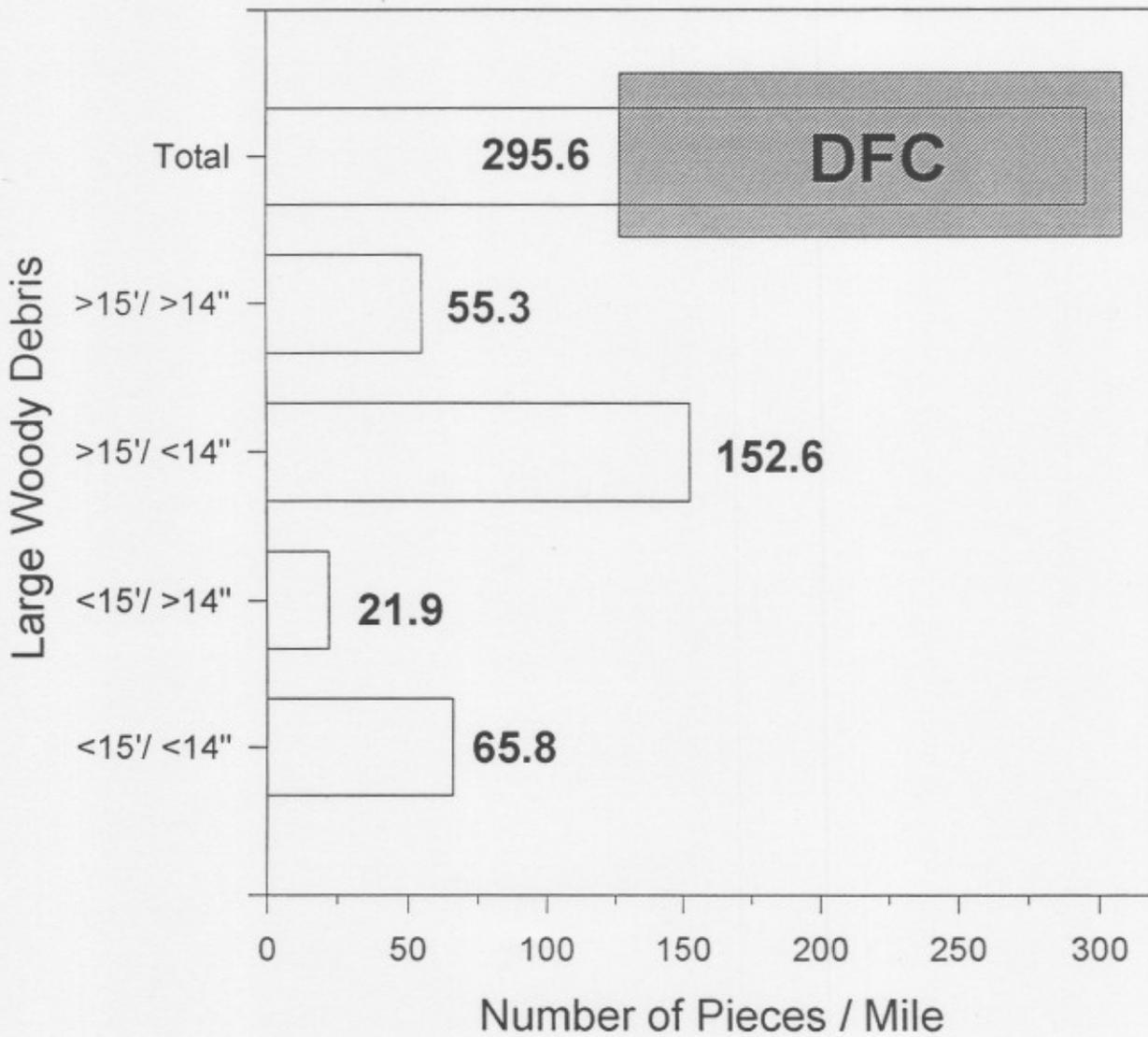
Maximum Riparian Width (Total): 48.5'

Minimum Riparian Width (Total): 34.0'

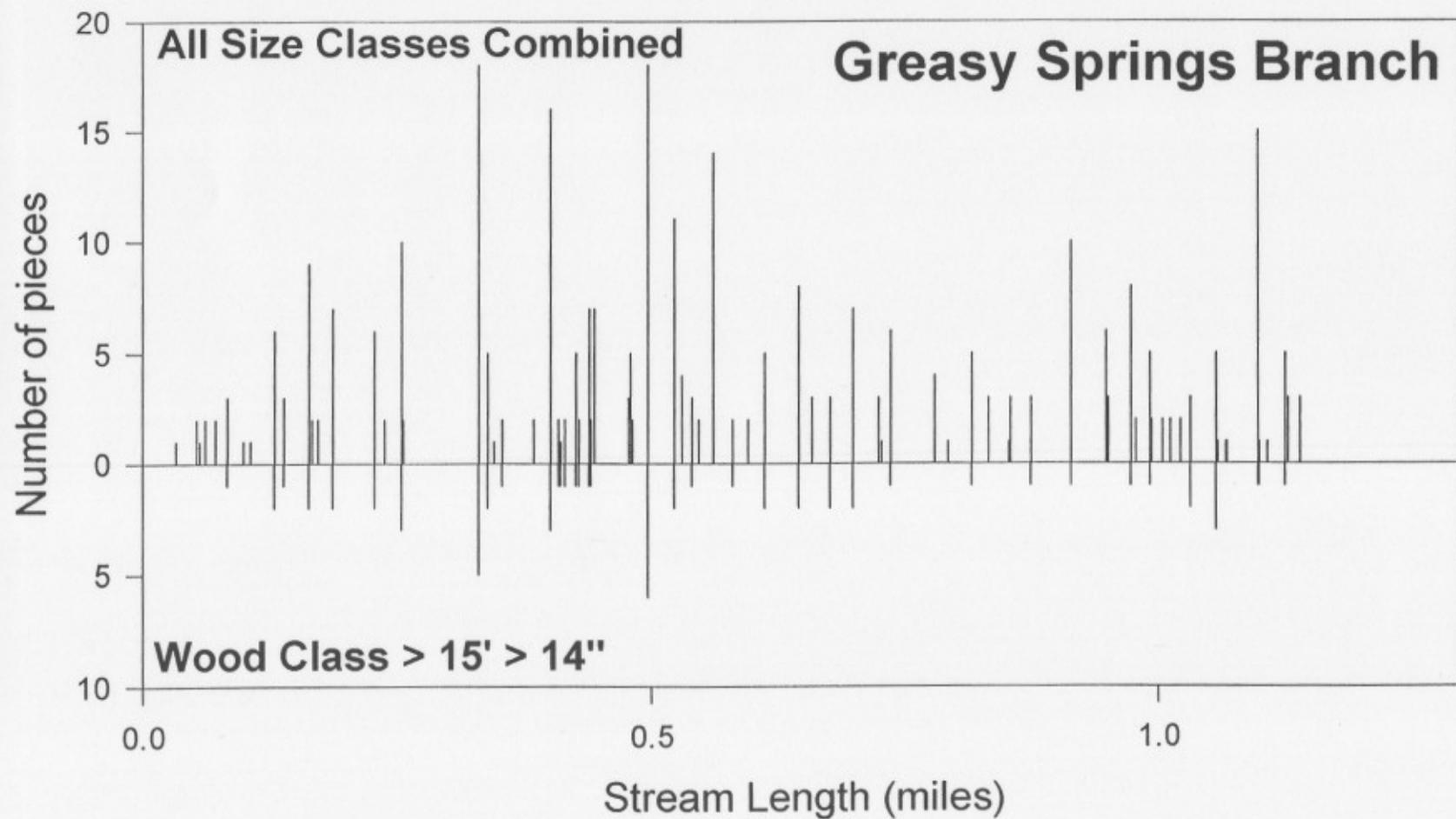
Greasy Springs Branch
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Greasy Springs Branch



Large Woody Debris Distribution



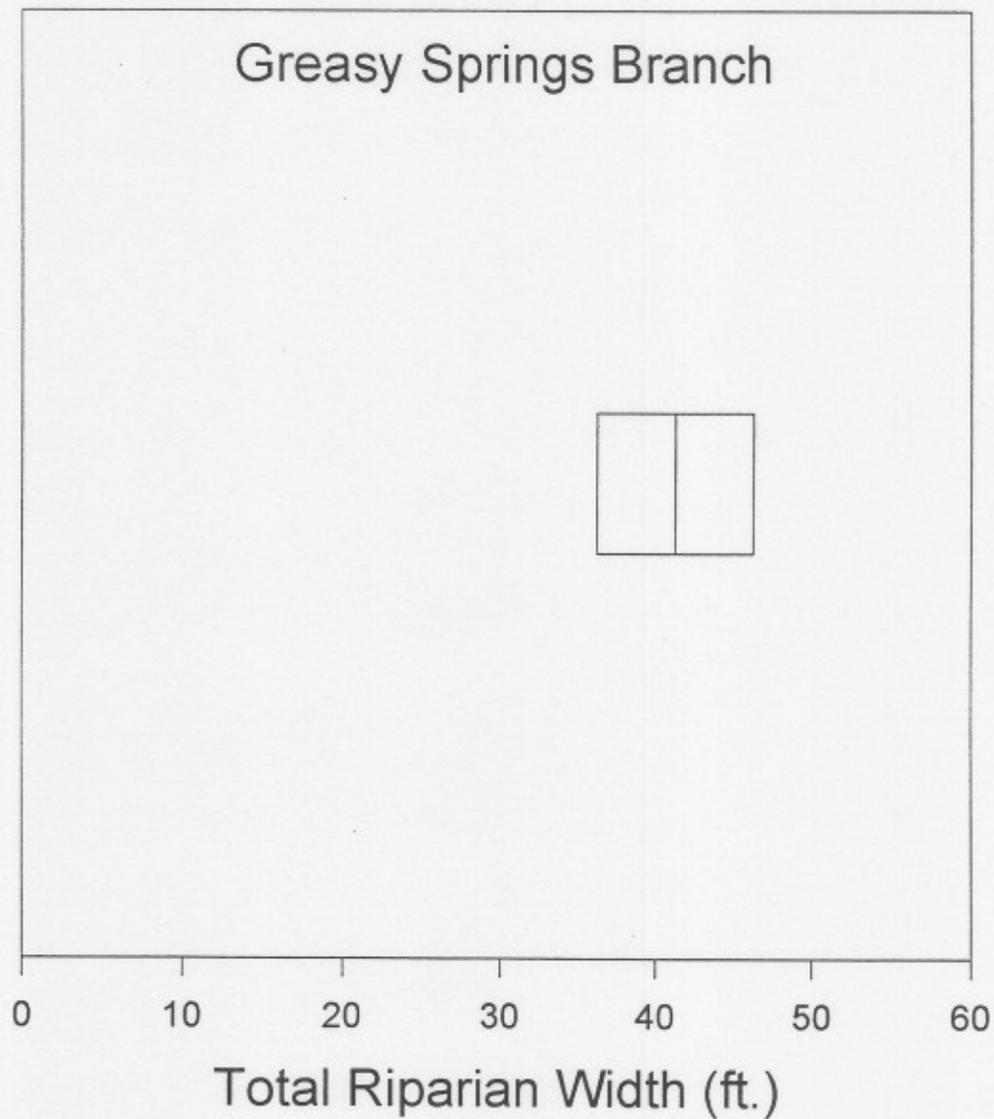
Riparian Width

Stream: Greasy Springs Branch

Number of measurements: 4

Mean width: 41.3 Std Dev: 6.3

Max: 48.5 Min: 34.0



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Kings Creek

District: Pedlar

Quadrangle: Montebello

Sample Date: 7/27/95

Downstream Starting Point: confluence with Little Piney

Total Distance Surveyed: 1.1 miles

Percent of Total Area - Pools: 27.3%

Number of Pools: 118

Number of Pools per mile: 108

Total Pool Area: 12249.83 sq. ft. \pm 2966.25

Mean Pool Area: 103.81 sq. ft.

Correction Factor: 0.95

Mean Maximum Depth: 1.5'

Mean Average Depth: 1.0'

Percent of Total Area - Riffles: 72.7%

Number of Riffles: 96

Number of Riffles per mile: 87

Total Riffle Area: 32539.91 sq. ft. \pm 6287.14

Mean Riffle Area: 338.96 sq. ft.

Correction Factor: 1.05

Mean Maximum Depth: 0.9'

Mean Average Depth: 0.5'

Number of Large Woody Debris Pieces per Mile: 114.5

Wood < 15' and < 14": 41.8

Wood < 15' and > 14": 3.6

Wood > 15' and < 14": 65.5

Wood > 15' and > 14": 3.6

Mean Channel Width: 16.5'

Mean Riparian Width: 42.1'

Mean Maximum Riparian Distance (either side): 18.6'

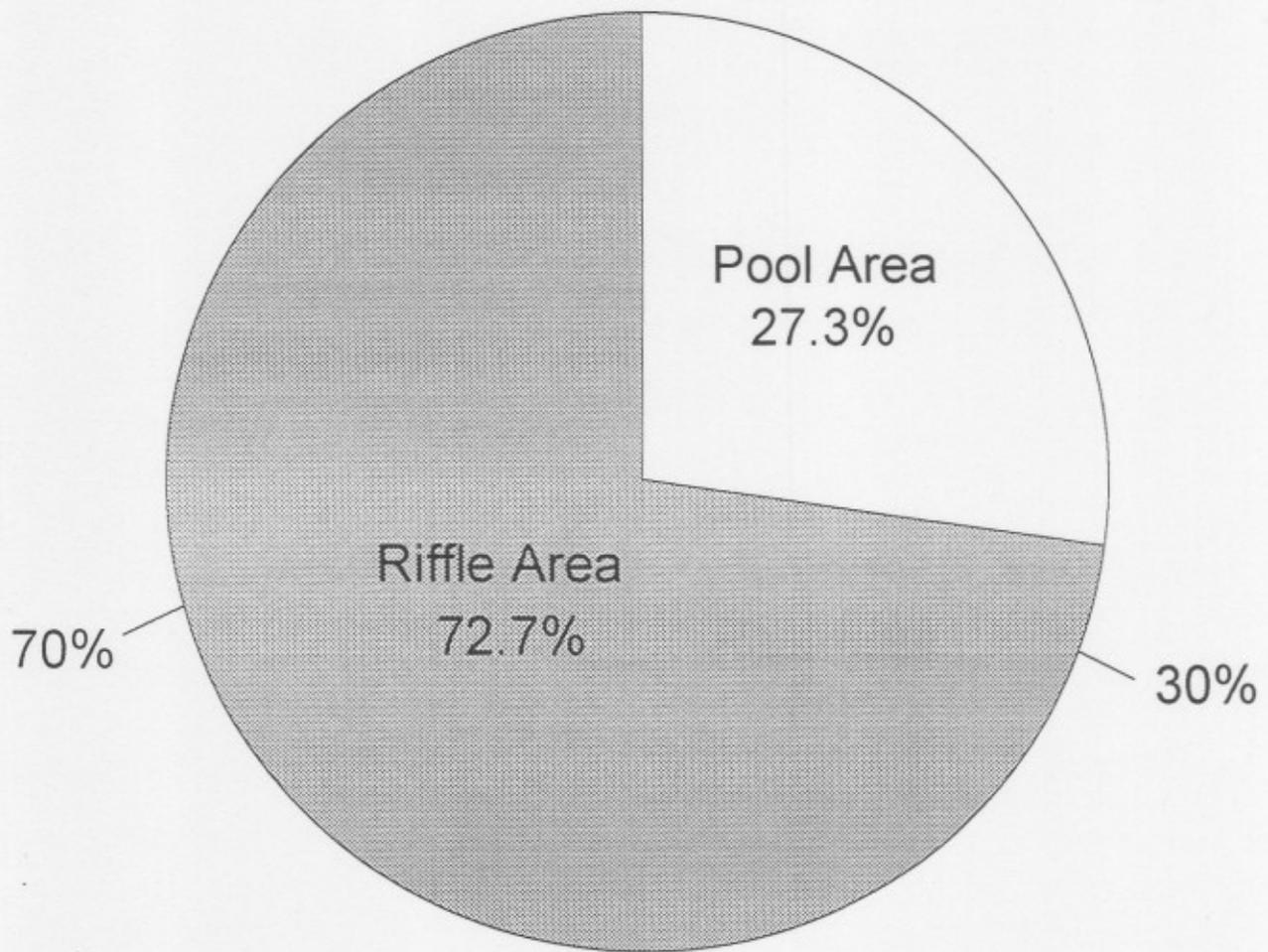
Mean Minimum Riparian Distance (either side): 7.0'

Maximum Riparian Width (Total): 64.0'

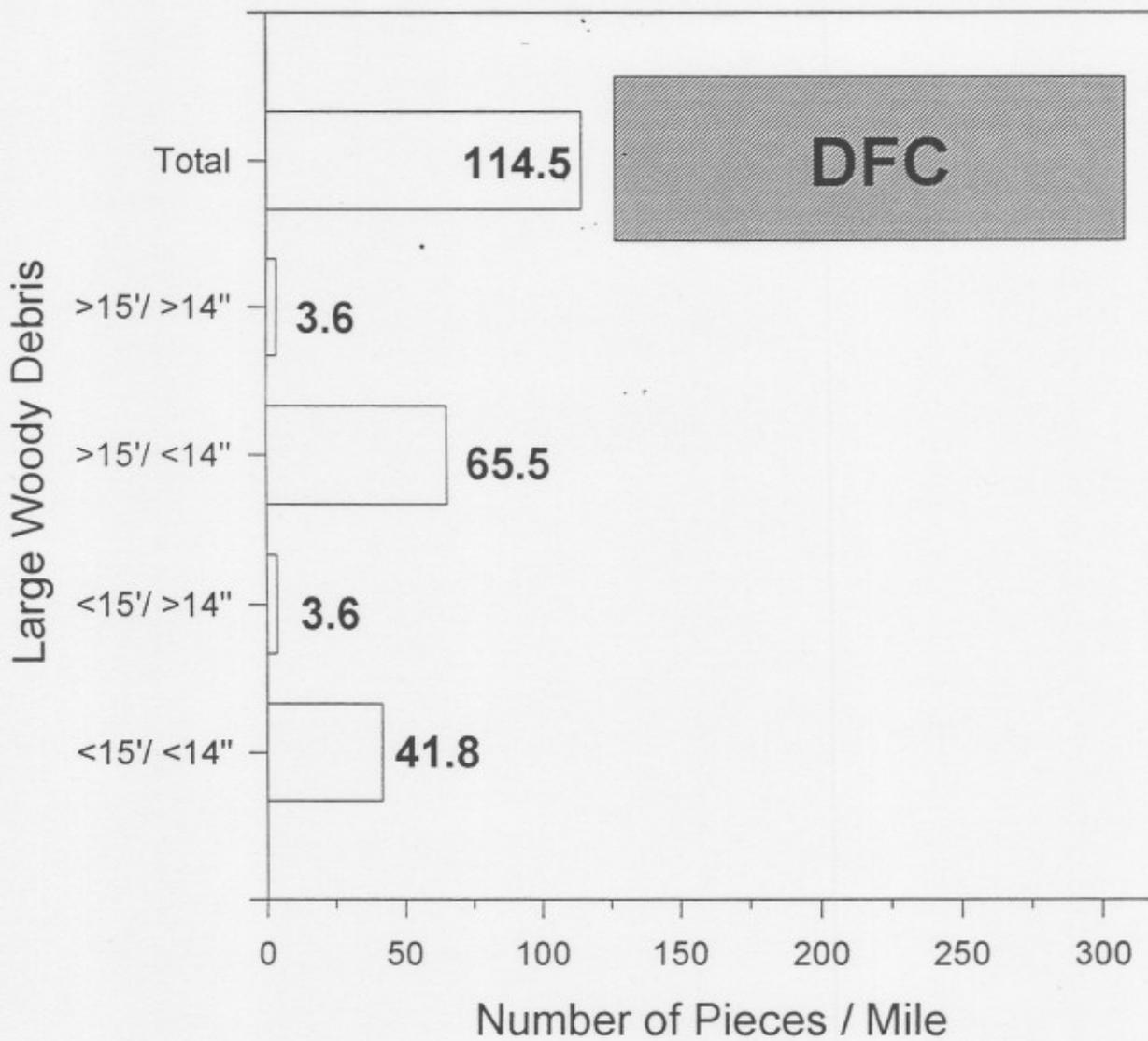
Minimum Riparian Width (Total): 23.0'

Kings Creek

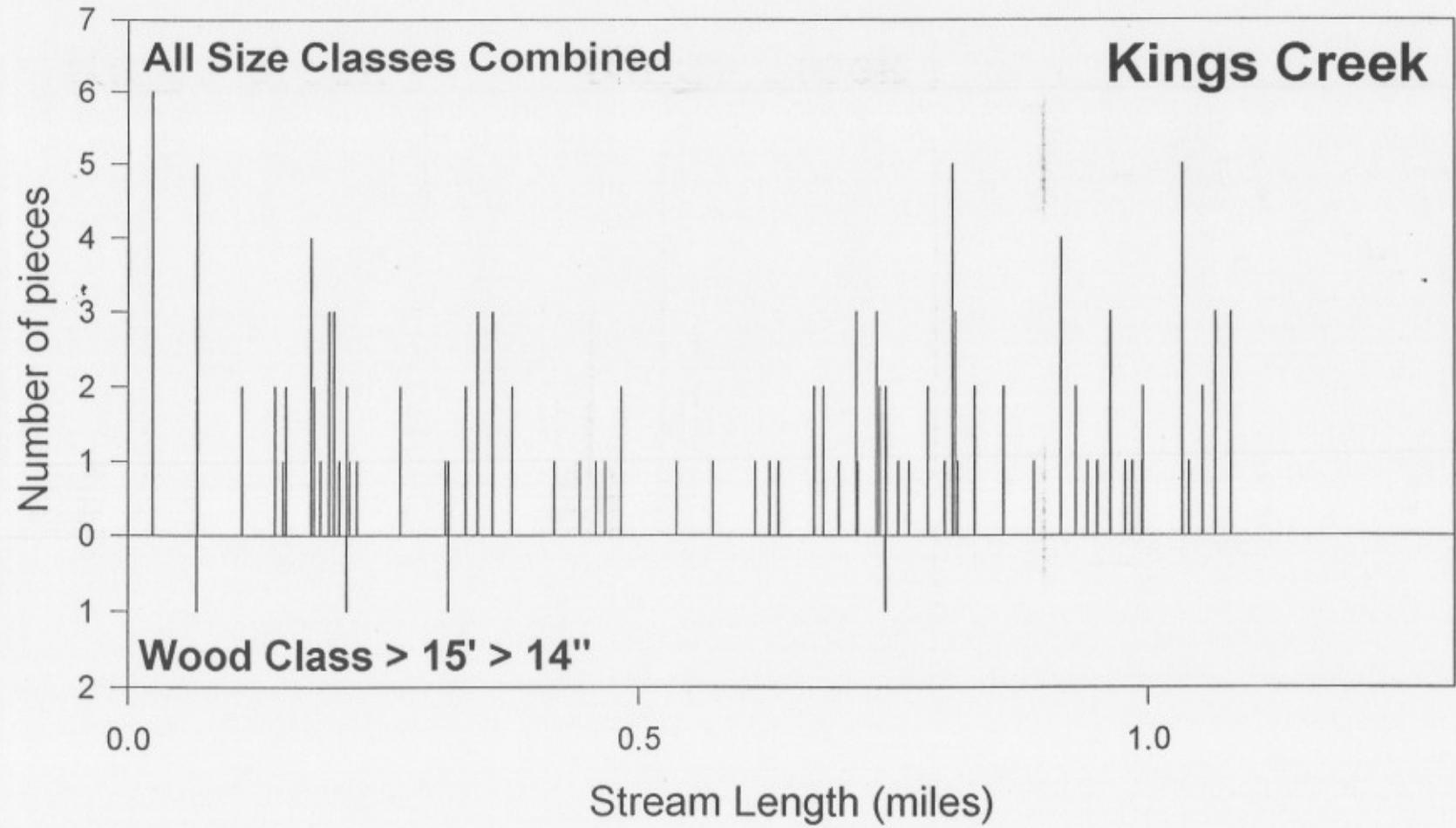
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Kings Creek



Large Woody Debris Distribution



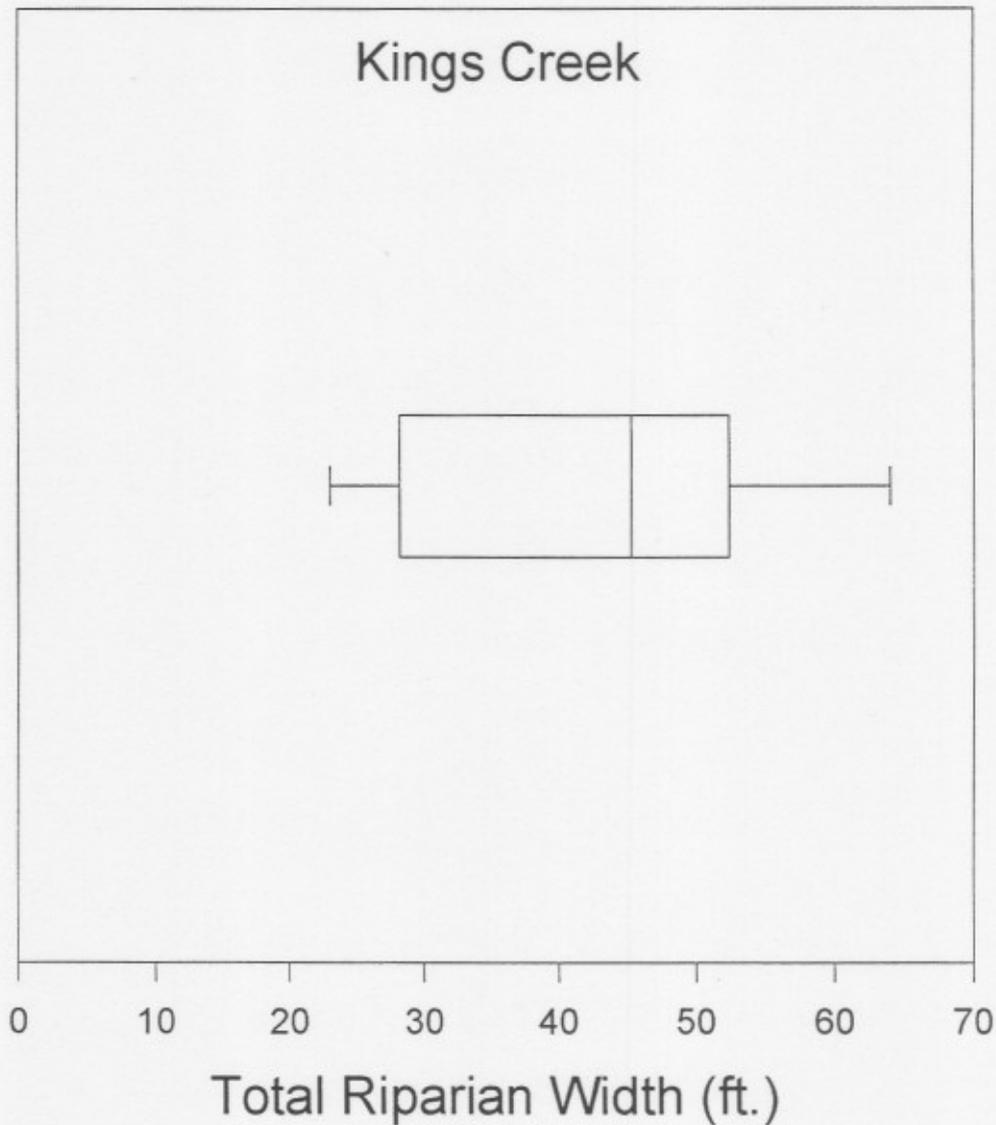
Riparian Width

Stream: Kings Creek

Number of measurements: 5

Mean width: 42.1 Std Dev: 16.2

Max: 64.0 Min: 23.0



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Little Piney River

District: Pedlar

Quadrangle: Massies Mill

Sample Date: 7/27/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 2.7 miles

Percent of Total Area - Pools: 32.7%

Number of Pools: 196

Number of Pools per mile: 73

Total Pool Area: 40756.91 sq. ft. \pm 7319.47

Mean Pool Area: 207.94 sq. ft.

Correction Factor: 1.00

Mean Maximum Depth: 1.7'

Mean Average Depth: 1.2'

Percent of Total Area - Riffles: 67.3%

Number of Riffles: 175

Number of Riffles per mile: 65

Total Riffle Area: 83920.17 sq. ft. \pm 10446.32

Mean Riffle Area: 479.54 sq. ft.

Correction Factor: 1.03

Mean Maximum Depth: 1.0'

Mean Average Depth: 0.5'

Number of Large Woody Debris Pieces per Mile: 124.1

Wood < 15' and < 14": 52.2

Wood < 15' and > 14": 6.3

Wood > 15' and < 14": 56.7

Wood > 15' and > 14": 8.9

Mean Channel Width: 27.4'

Mean Riparian Width: 64.3'

Mean Maximum Riparian Distance (either side): 27.7'

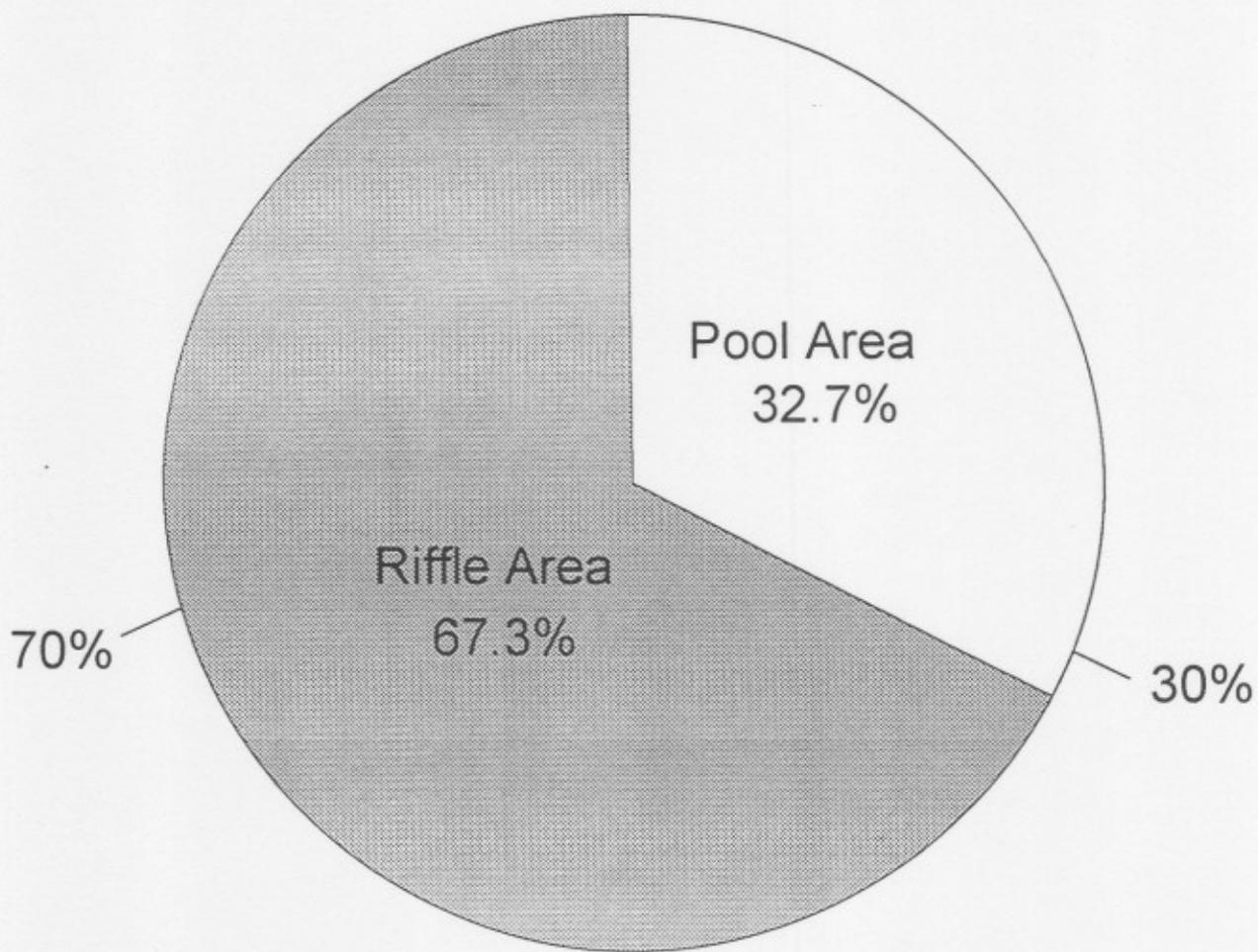
Mean Minimum Riparian Distance (either side): 9.2'

Maximum Riparian Width (Total): 114.0'

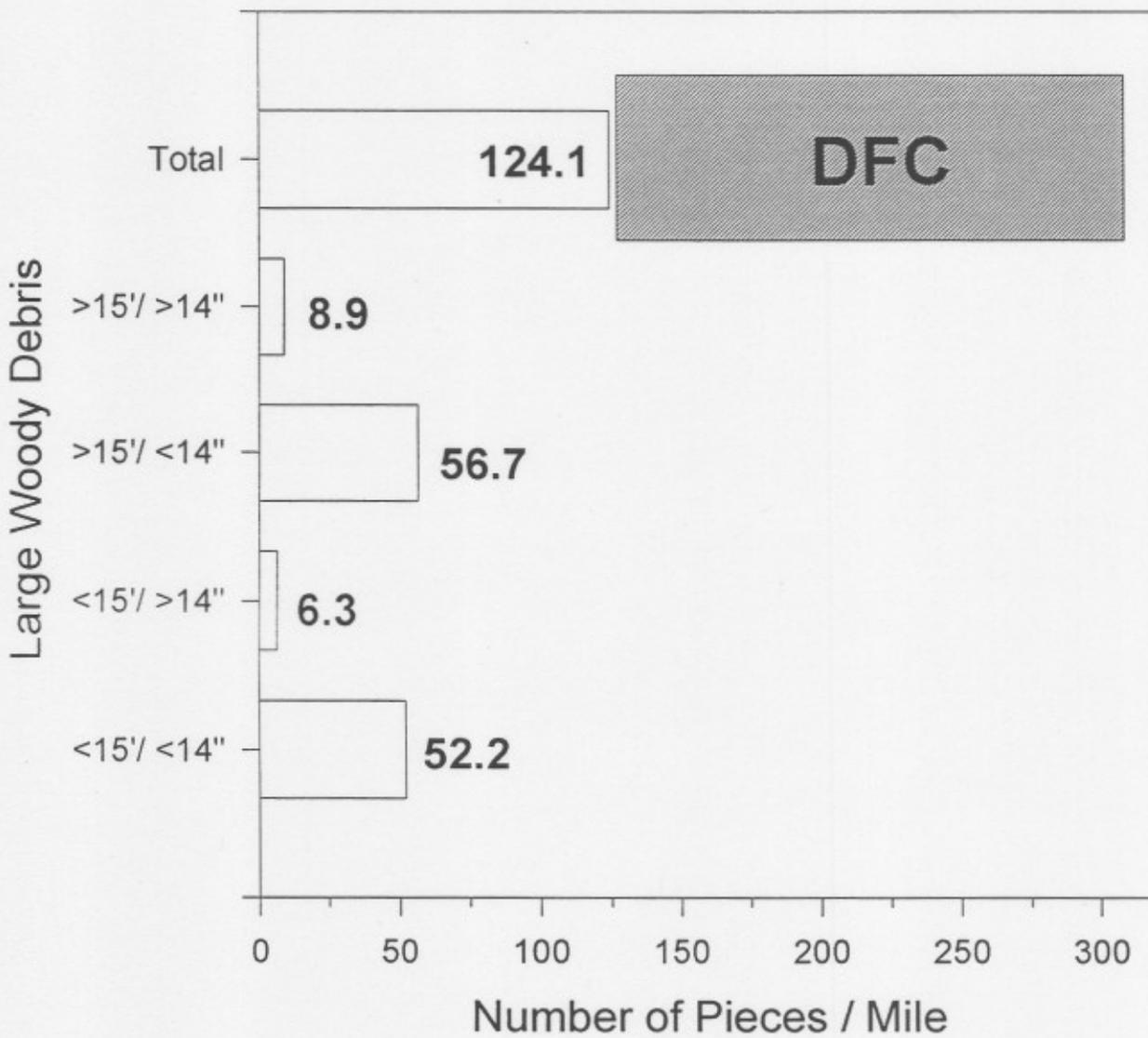
Minimum Riparian Width (Total): 39.3'

Little Piney River

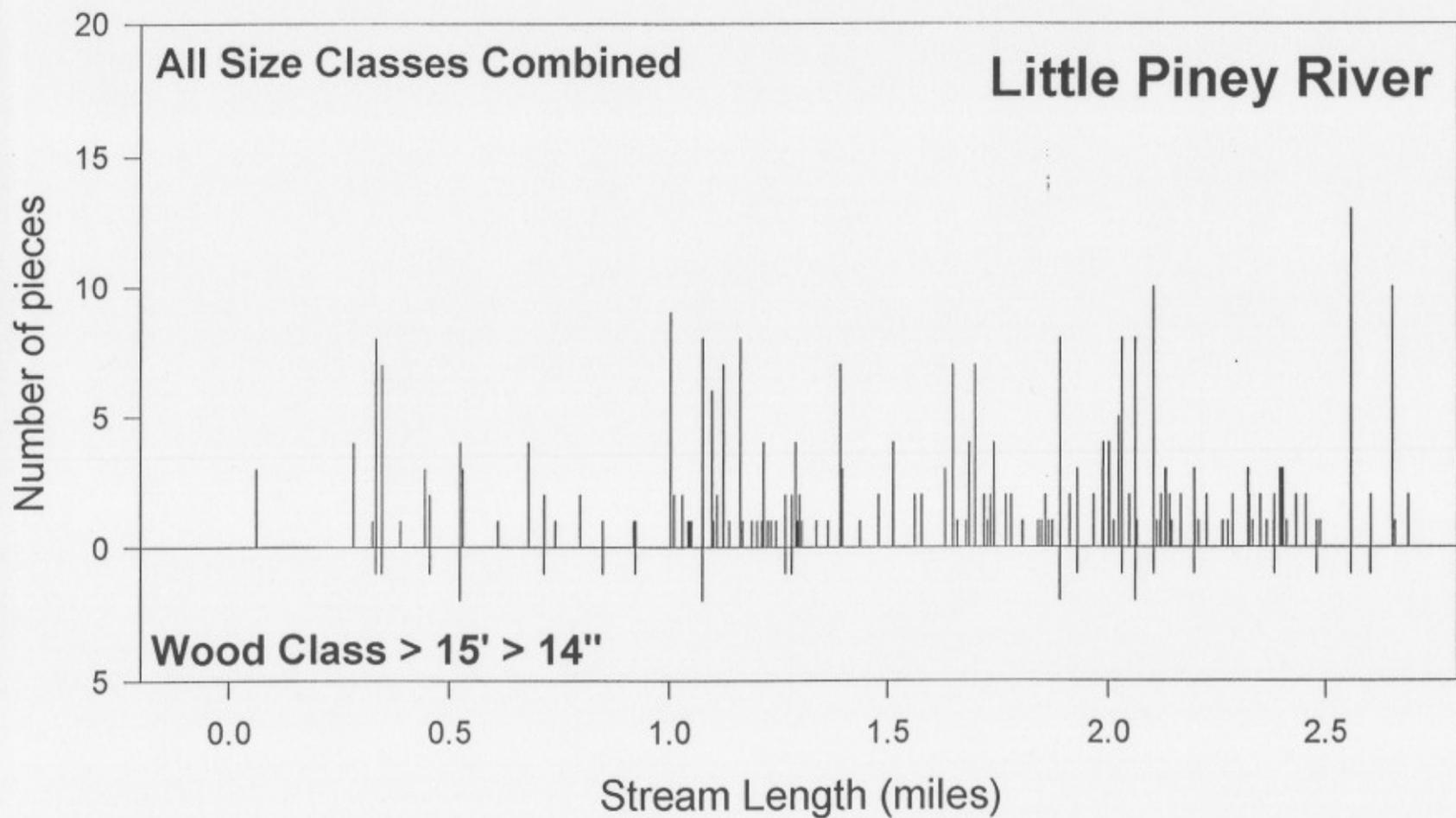
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Little Piney River



Large Woody Debris Distribution



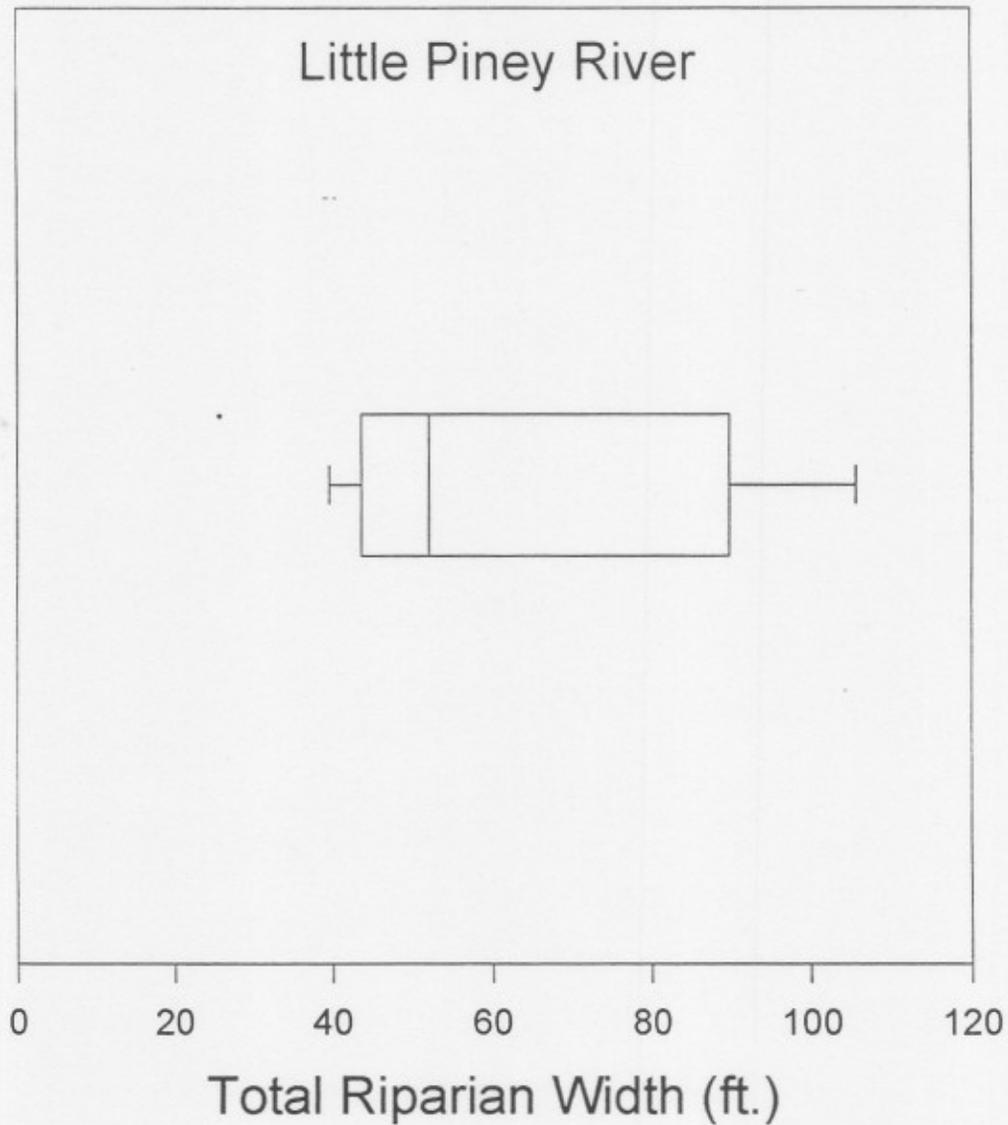
Riparian Width

Stream: Little Piney River

Number of measurements: 9

Mean width: 64.3 Std Dev: 27.4

Max: 114.0 Min: 39.3



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: North Fork Piney River

District: Pedlar

Quadrangle: Montebello

Sample Date: 7/26/95

Downstream Starting Point:

Total Distance Surveyed: 2.73 miles

Percent of Total Area - Pools: 19.5%

Number of Pools: 144

Number of Pools per mile: 53

Total Pool Area: 38281.66 sq. ft. \pm 5431.69

Mean Pool Area: 265.84 sq. ft.

Correction Factor: 1.11

Mean Maximum Depth: 2.2'

Mean Average Depth: 1.4'

Percent of Total Area - Riffles: 80.5%

Number of Riffles: 153

Number of Riffles per mile: 56

Total Riffle Area: 157900.29 sq. ft. \pm 6551.76

Mean Riffle Area: 1032.03 sq. ft.

Correction Factor: 1.06

Mean Maximum Depth: 1.1'

Mean Average Depth: 0.6'

Number of Large Woody Debris Pieces per Mile: 245.5

Wood < 15' and < 14": 90.5

Wood < 15' and > 14": 24.2

Wood > 15' and < 14": 89.4

Wood > 15' and > 14": 41.4

Mean Channel Width: 28.4'

Mean Riparian Width: 60.8'

Mean Maximum Riparian Distance (either side): 23.3'

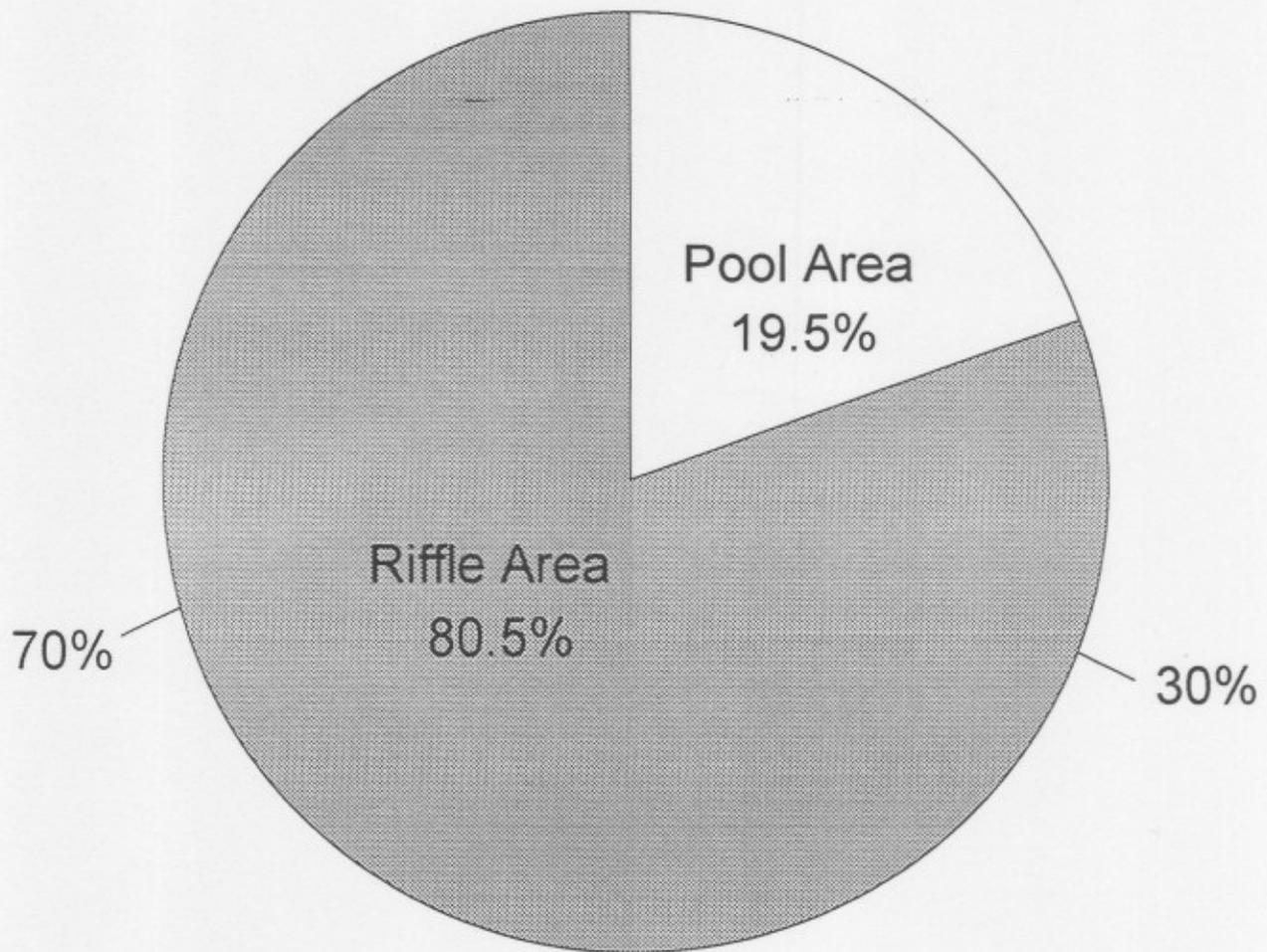
Mean Minimum Riparian Distance (either side): 9.0'

Maximum Riparian Width (Total): 102.2'

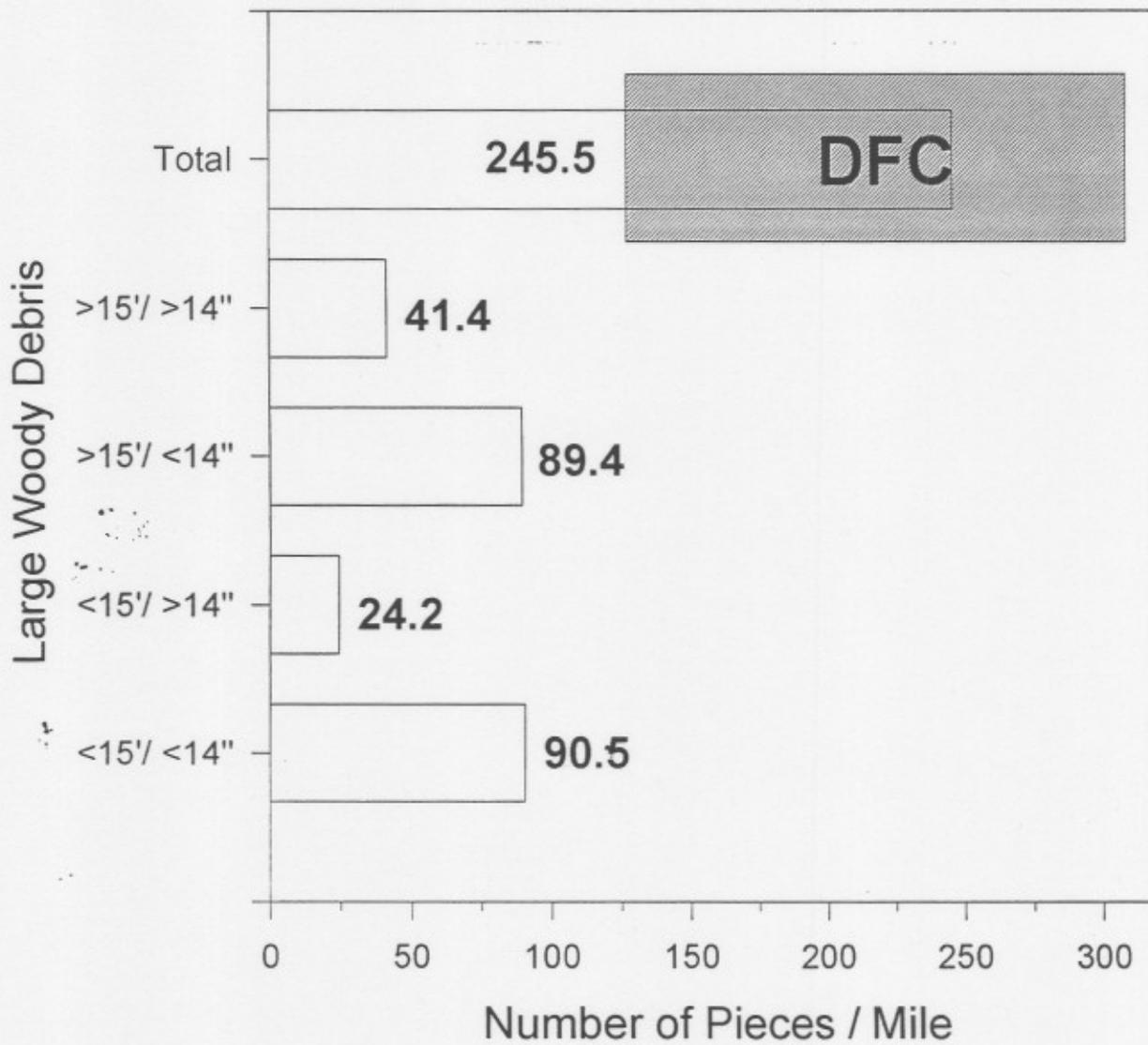
Minimum Riparian Width (Total): 41.8'

North Fork Piney River

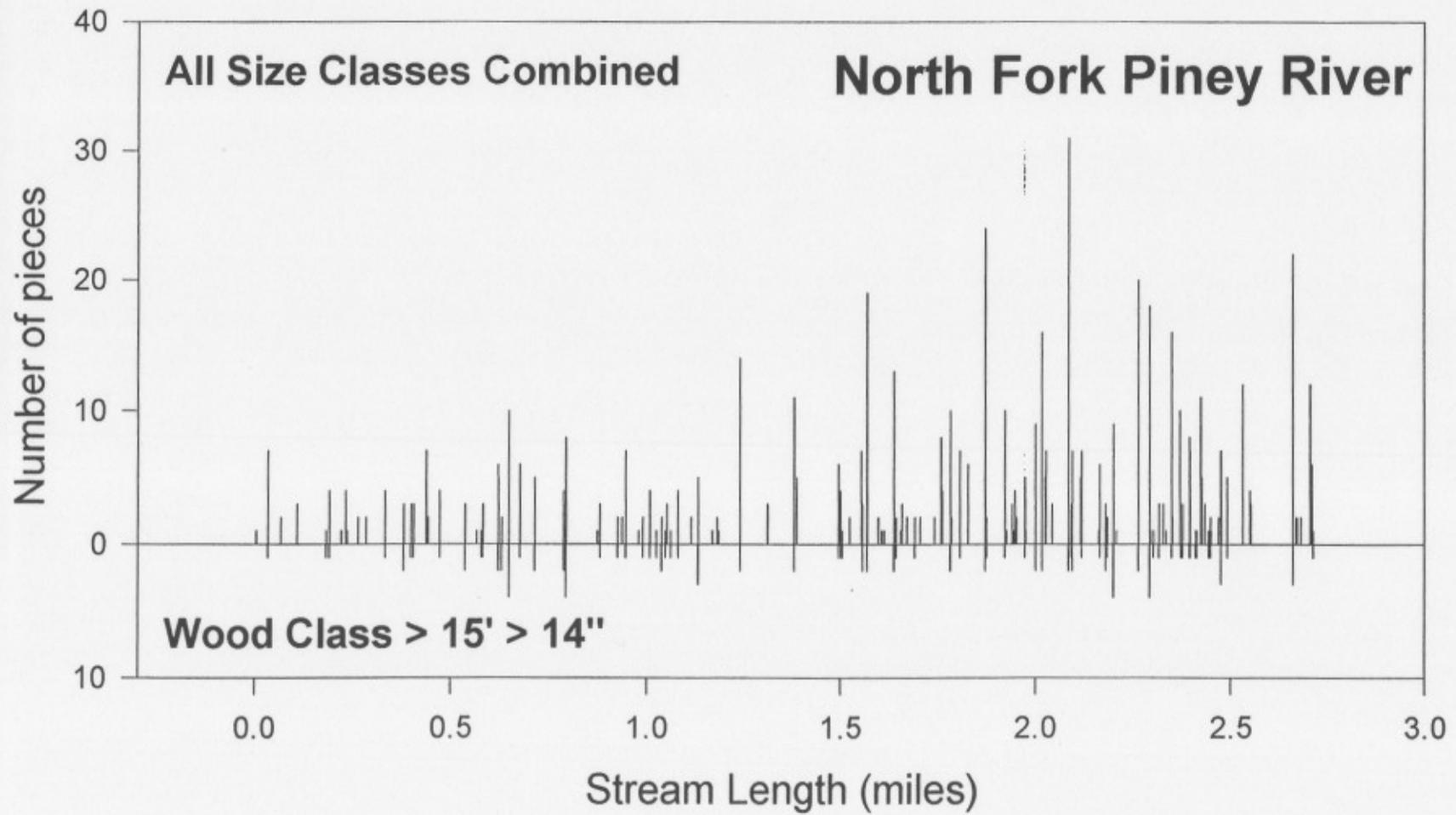
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



North Fork Piney River



Large Woody Debris Distribution



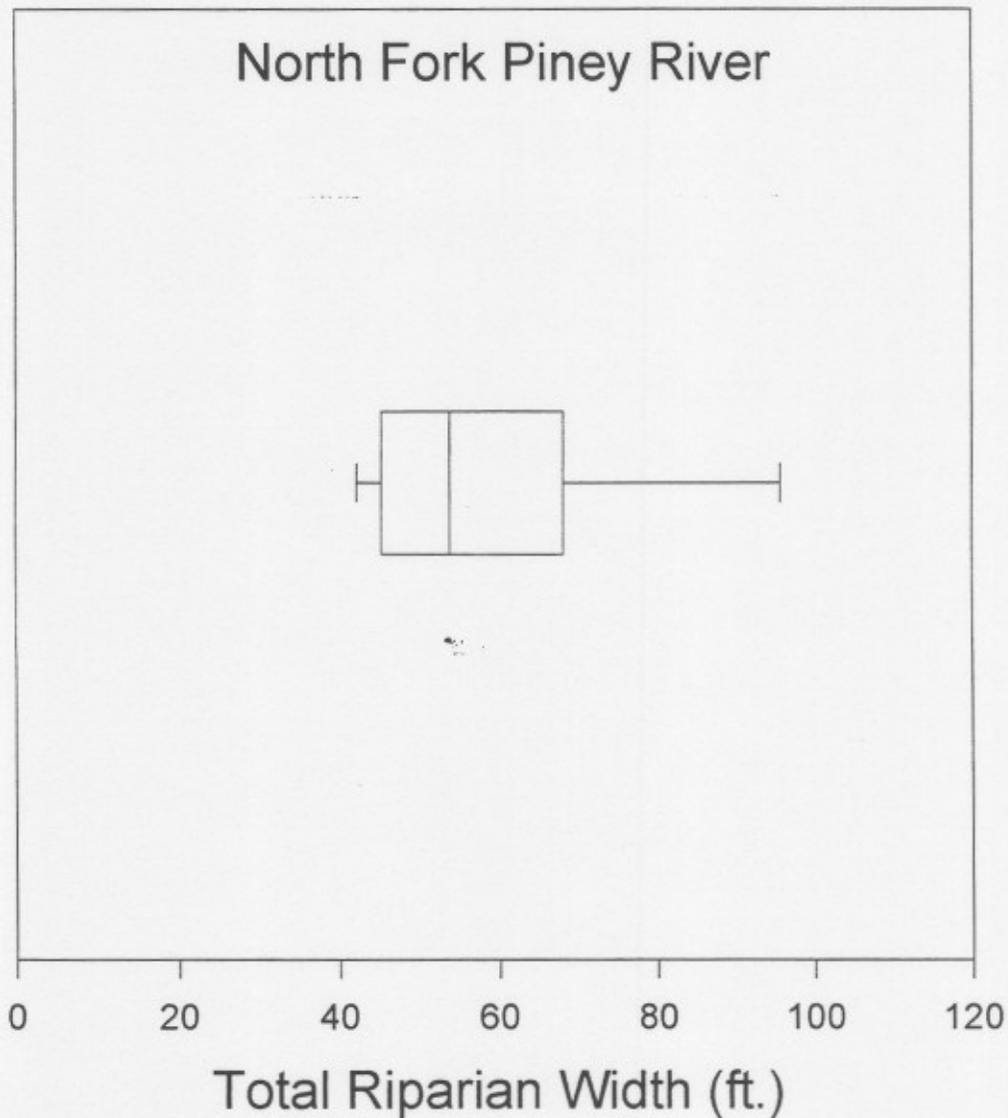
Riparian Width

Stream: North Fork Piney River

Number of measurements: 7

Mean width: 60.8 Std Dev: 20.9

Max: 102.2 Min: 41.8



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Pedlar River

District: Pedlar

Quadrangle: Montebello

Sample Date: 8/21/95

Downstream Starting Point: USFS Boundary at Skulking Branch

Total Distance Surveyed: 13.1 miles

Percent of Total Area - Pools: 49.6%

Number of Pools: 458

Number of Pools per mile: 35

Total Pool Area: 943056.4 sq. Ft. \pm 184691.33

Mean Pool Area: 2059.1 sq. Ft.

Correction Factor: 0.90

Mean Maximum Depth: 2.1'

Mean Average Depth: 1.4'

Percent of Total Area - Riffles: 50.4%

Number of Riffles: 390

Number of Riffles per mile: 30

Total Riffle Area: 958341.72 sq. Ft. \pm 34490.73

Mean Riffle Area: 2457.3 sq. Ft.

Correction Factor: 1.06

Mean Maximum Depth: 1.0'

Mean Average Depth: 0.6'

Number of Large Woody Debris Pieces per Mile: 84.2

Wood < 15' and < 14": 37.8

Wood < 15' and > 14": 3.7

Wood > 15' and < 14": 30.4

Wood > 15' and > 14": 12.4

Mean Channel Width: 43.1'

Mean Riparian Width: 240.3'

Mean Maximum Riparian Distance (either side): 158.7'

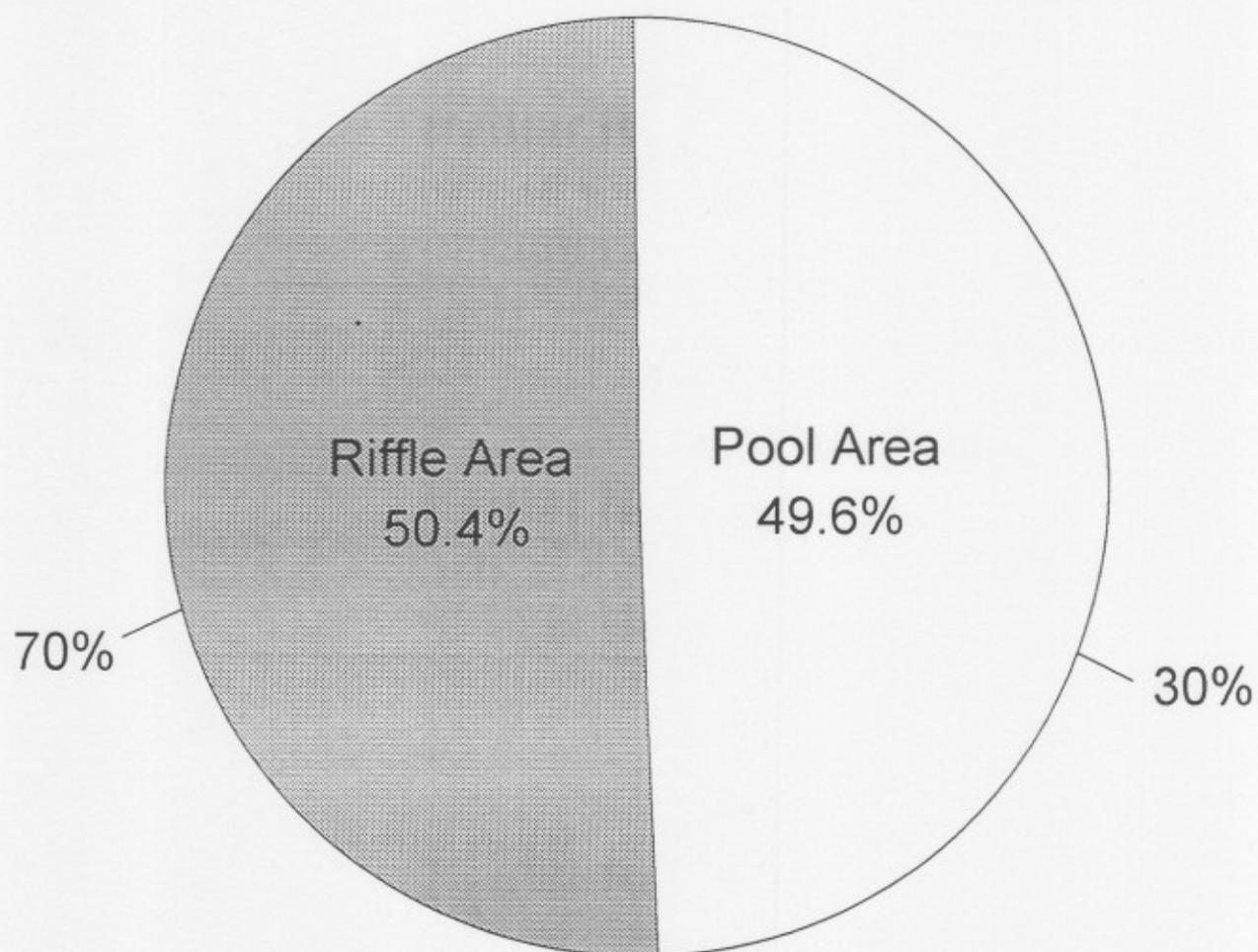
Mean Minimum Riparian Distance (either side): 38.5'

Maximum Riparian Width (Total): 528.8'

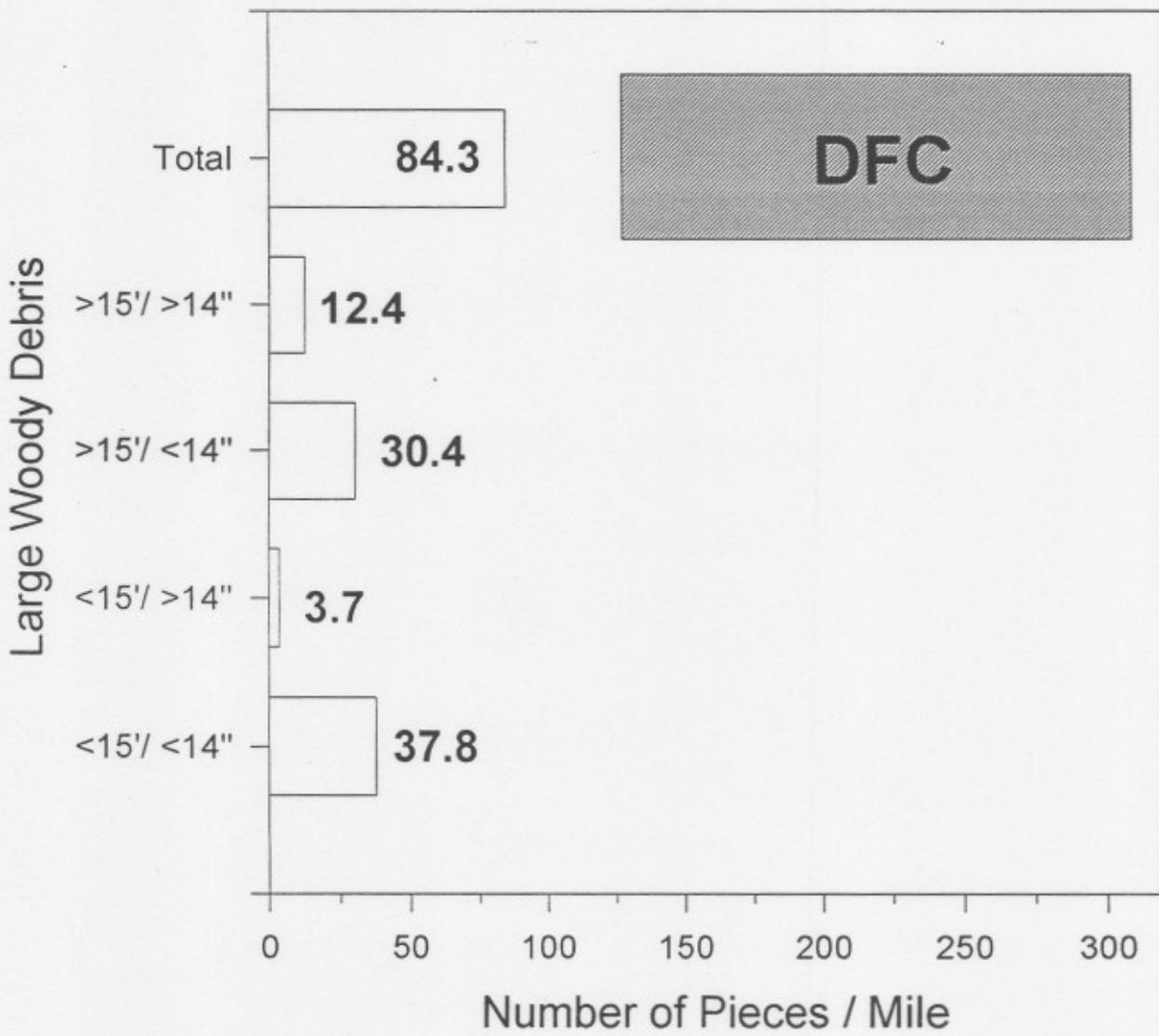
Minimum Riparian Width (Total): 60.2'

Pedlar River

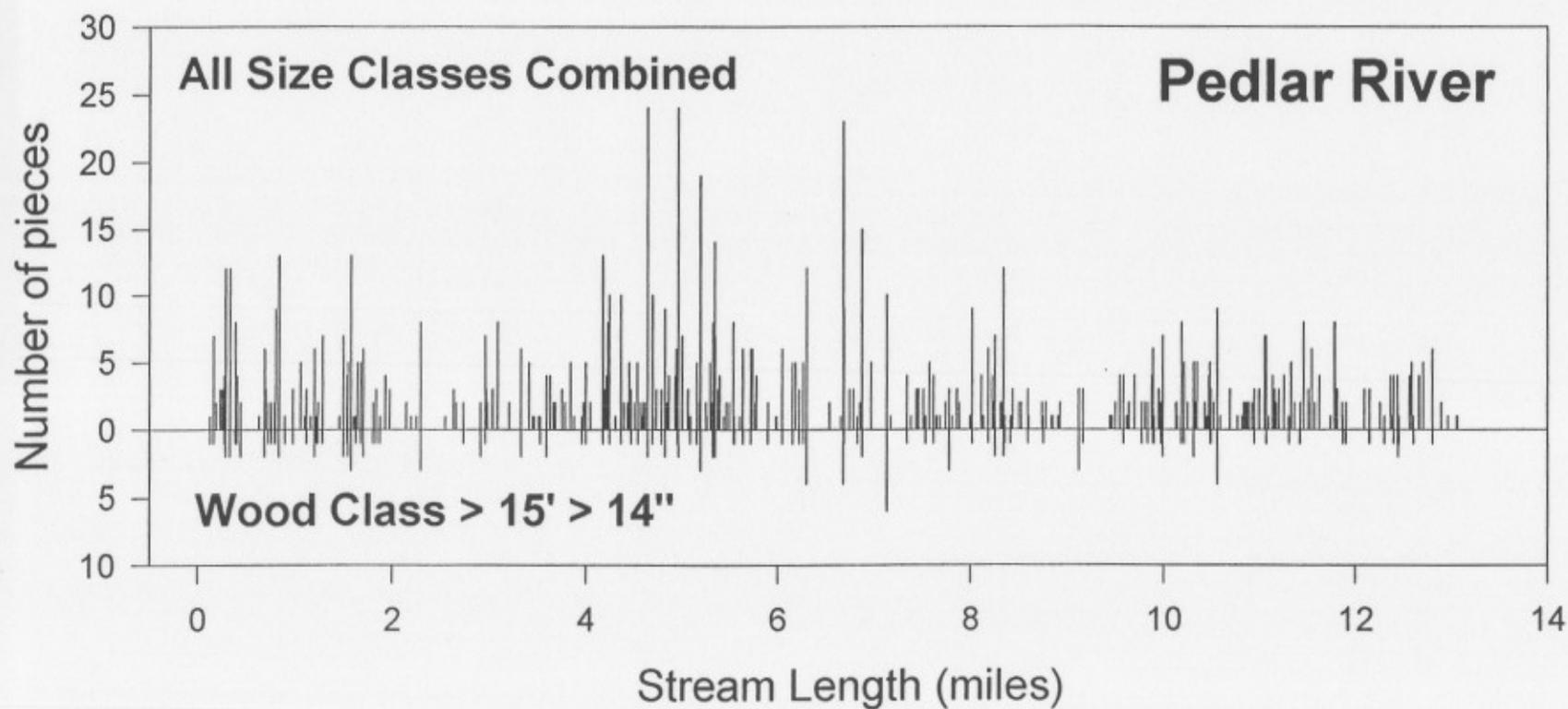
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Pedlar River



Large Woody Debris Distribution



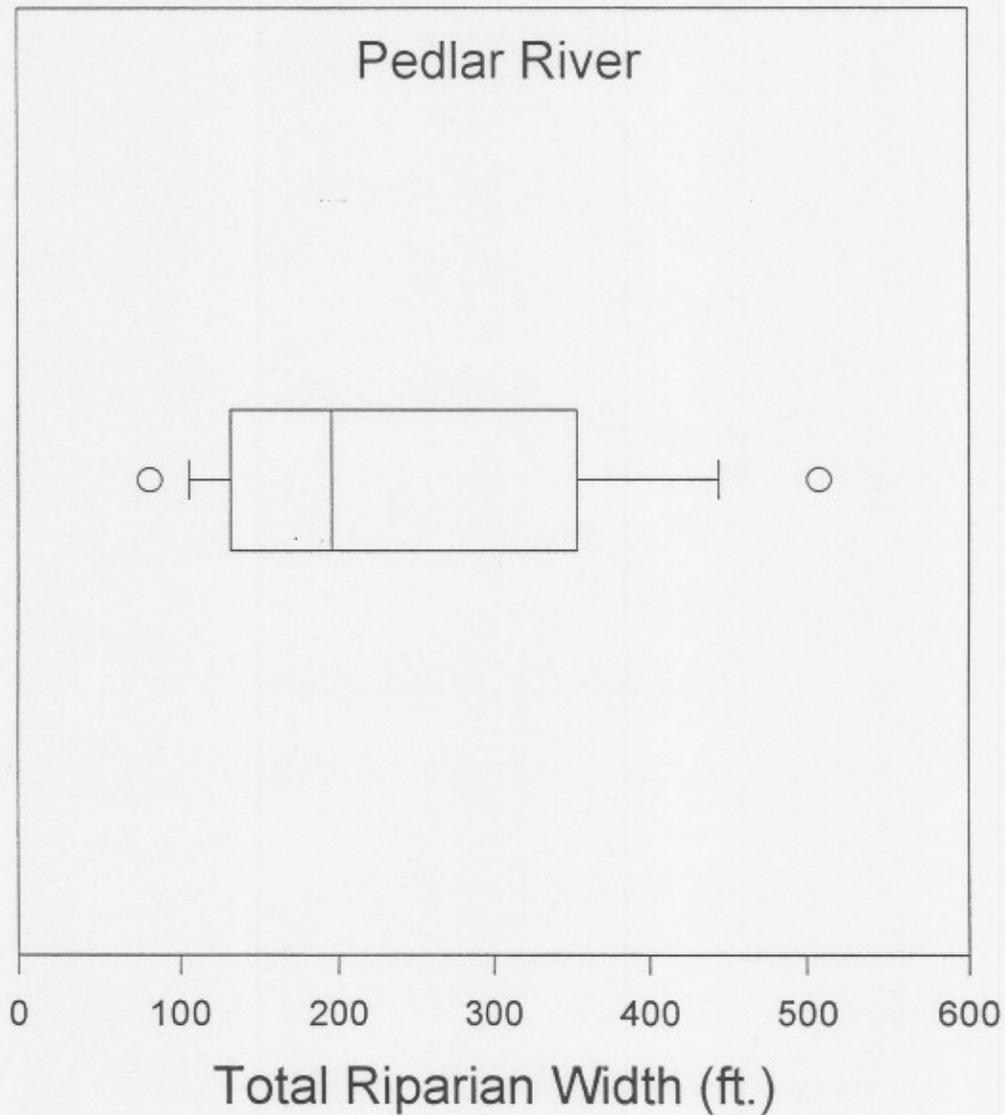
Riparian Width

Stream: Pedlar River

Number of measurements: 20

Mean width: 240.3 Std Dev: 135.6

Max: 528.8 Min: 60.2



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Right Fork Shoe Creek

District: Pedlar

Quadrangle: Massies Mill

Sample Date: 7/19/95

Downstream Starting Point:

Total Distance Surveyed: 0.3 miles

Percent of Total Area - Pools: 27.9%

Number of Pools: 20

Number of Pools per mile: 67

Total Pool Area: 6917.08 sq. ft.

Mean Pool Area: 345.85 sq. ft.

Correction Factor: 1.08

Mean Maximum Depth: 2.7'

Mean Average Depth: 1.8'

Percent of Total Area - Riffles: 72.1%

Number of Riffles: 20

Number of Riffles per mile: 67 sq. ft.

Total Riffle Area: 17858.27 sq. ft.

Mean Riffle Area: 892.91 sq. ft.

Correction Factor: 0.86

Mean Maximum Depth: 1.6'

Mean Average Depth: 0.8'

Number of Large Woody Debris Pieces per Mile: 123.3

Wood < 15' and < 14": 43.3

Wood < 15' and > 14": 0.0

Wood > 15' and < 14": 66.7

Wood > 15' and > 14": 13.3

Mean Channel Width: 28.0'* *only one observation

Mean Riparian Width: 64.8'*

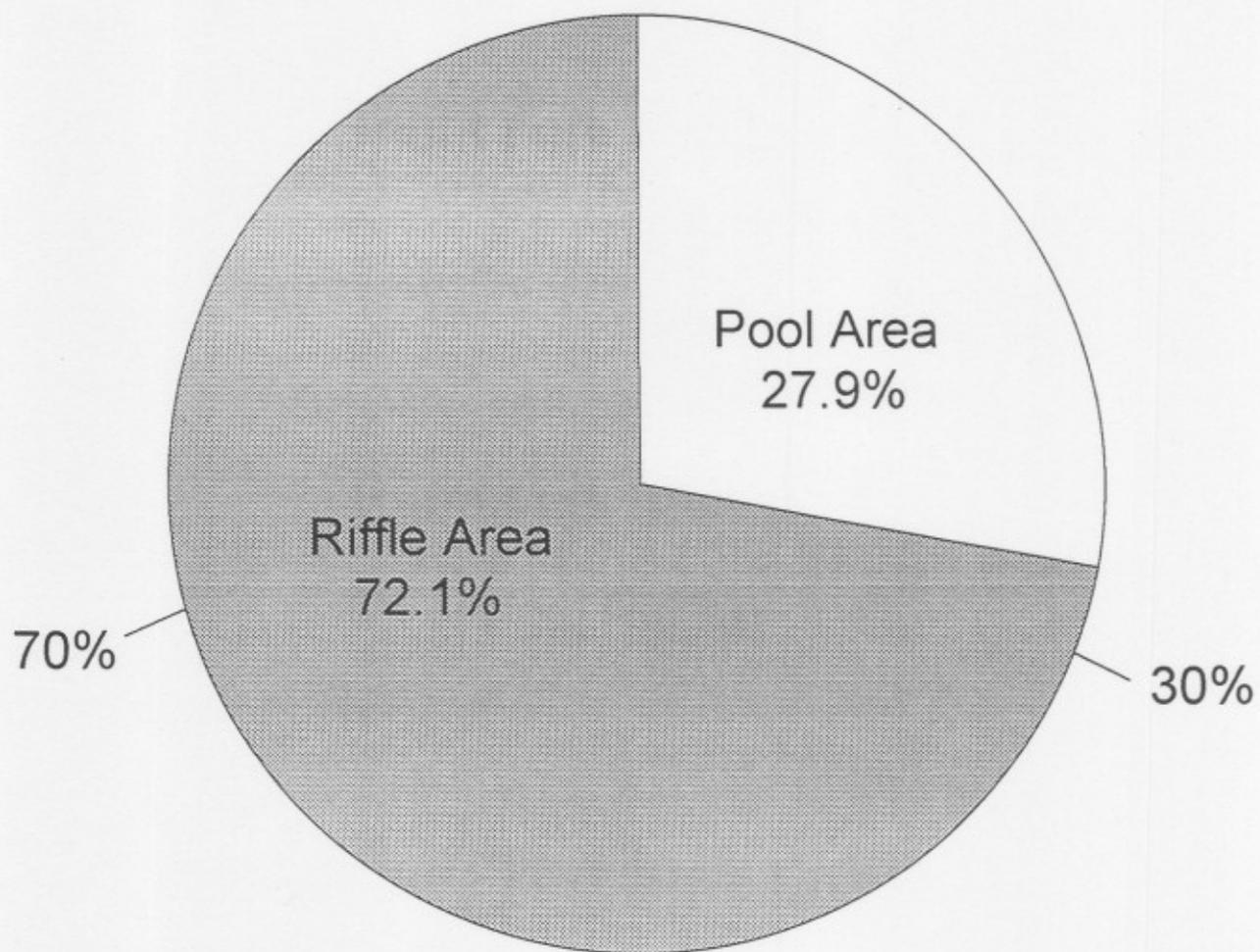
Mean Maximum Riparian Distance (either side): 30.5'*

Mean Minimum Riparian Distance (either side): 6.3'*

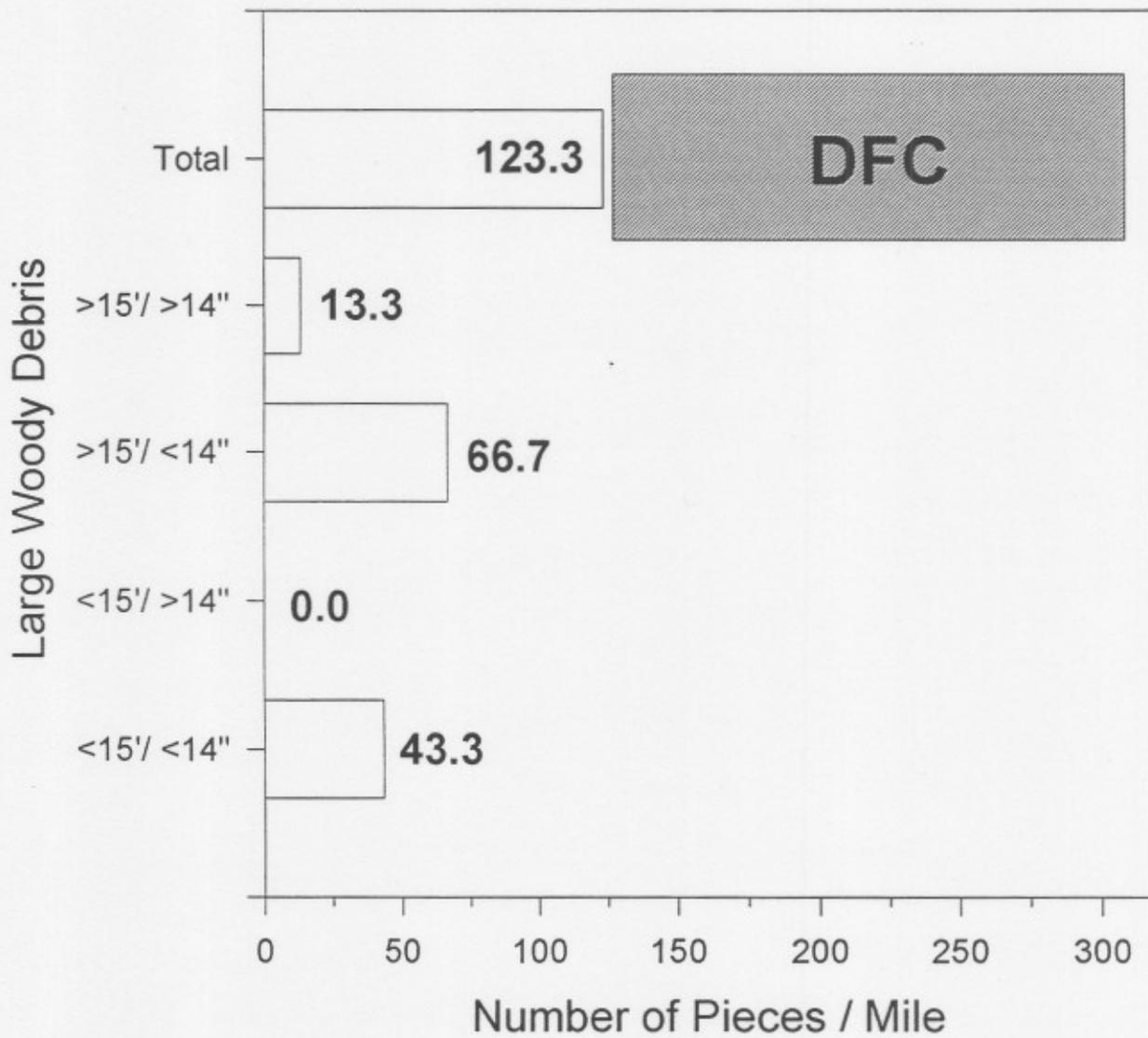
Maximum Riparian Width (Total): 64.8'*

Minimum Riparian Width (Total): 64.8'*

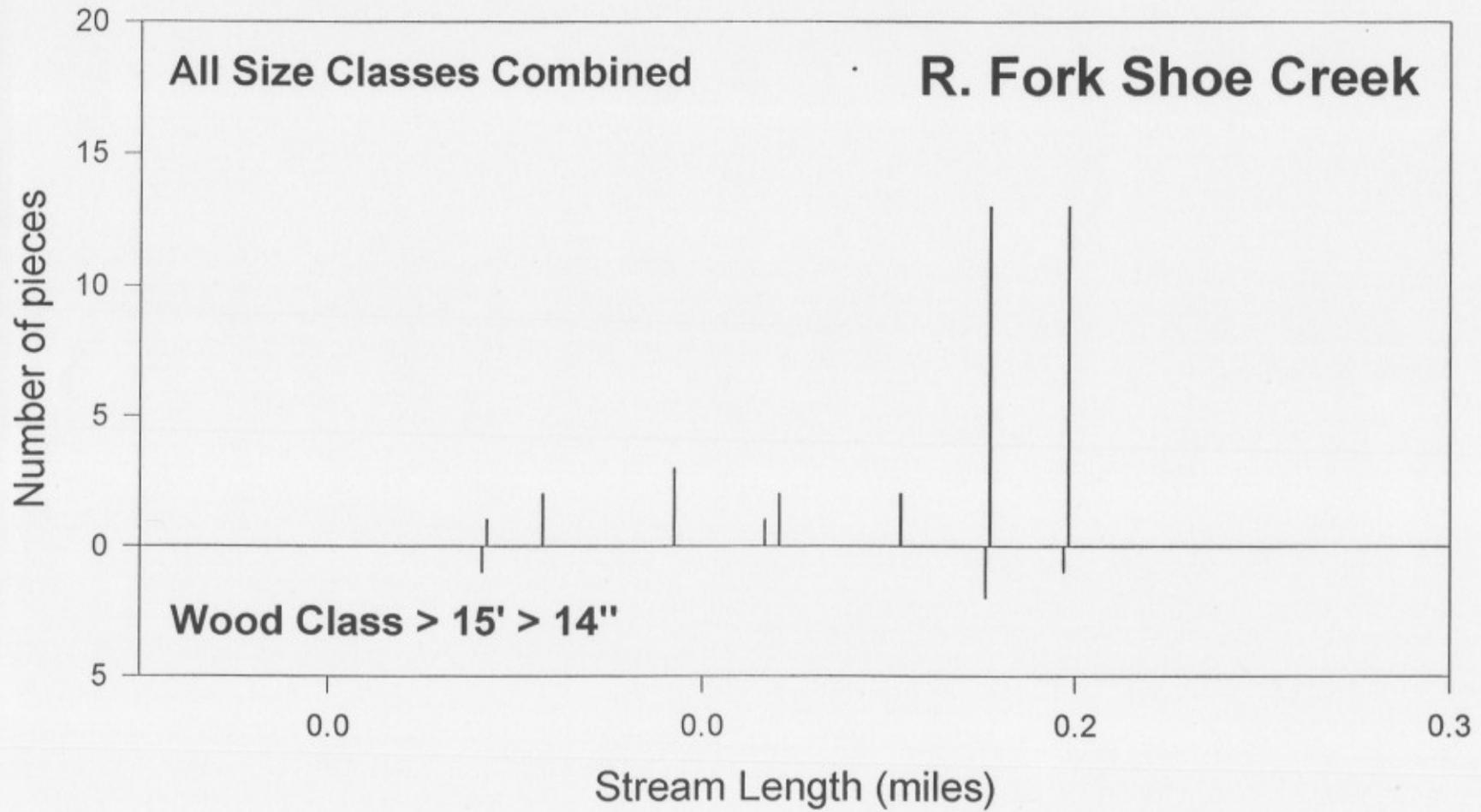
Right Fork Shoe Creek
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Right Fork Shoe Creek



Large Woody Debris Distribution



Stream: Shoe Creek

District: Pedlar

Quadrangle: Massies Mill

Sample Date: 7/18/95

Downstream Starting Point:

Total Distance Surveyed: 2.1 miles

Percent of Total Area - Pools: 36.5%

Number of Pools: 121

Number of Pools per mile: 58

Total Pool Area: 76980.10 sq. ft. \pm 12810.43

Mean Pool Area: 636.20 sq. ft.

Correction Factor: 1.07

Mean Maximum Depth: 2.7'

Mean Average Depth: 1.8'

Percent of Total Area - Riffles: 63.5%

Number of Riffles: 108

Number of Riffles per mile: 51

Total Riffle Area: 133649.21 \pm 16393.29

Mean Riffle Area: 1237.49 sq. ft.

Correction Factor: 0.95

Mean Maximum Depth: 1.6'

Mean Average Depth: 0.8'

Number of Large Woody Debris Pieces per Mile: 103.3

Wood < 15' and < 14": 38.9

Wood < 15' and > 14": 4.7

Wood > 15' and < 14": 46.4

Wood > 15' and > 14": 13.3

Mean Channel Width: 39.4'

Mean Riparian Width: 61.1'

Mean Maximum Riparian Distance (either side): 16.4'

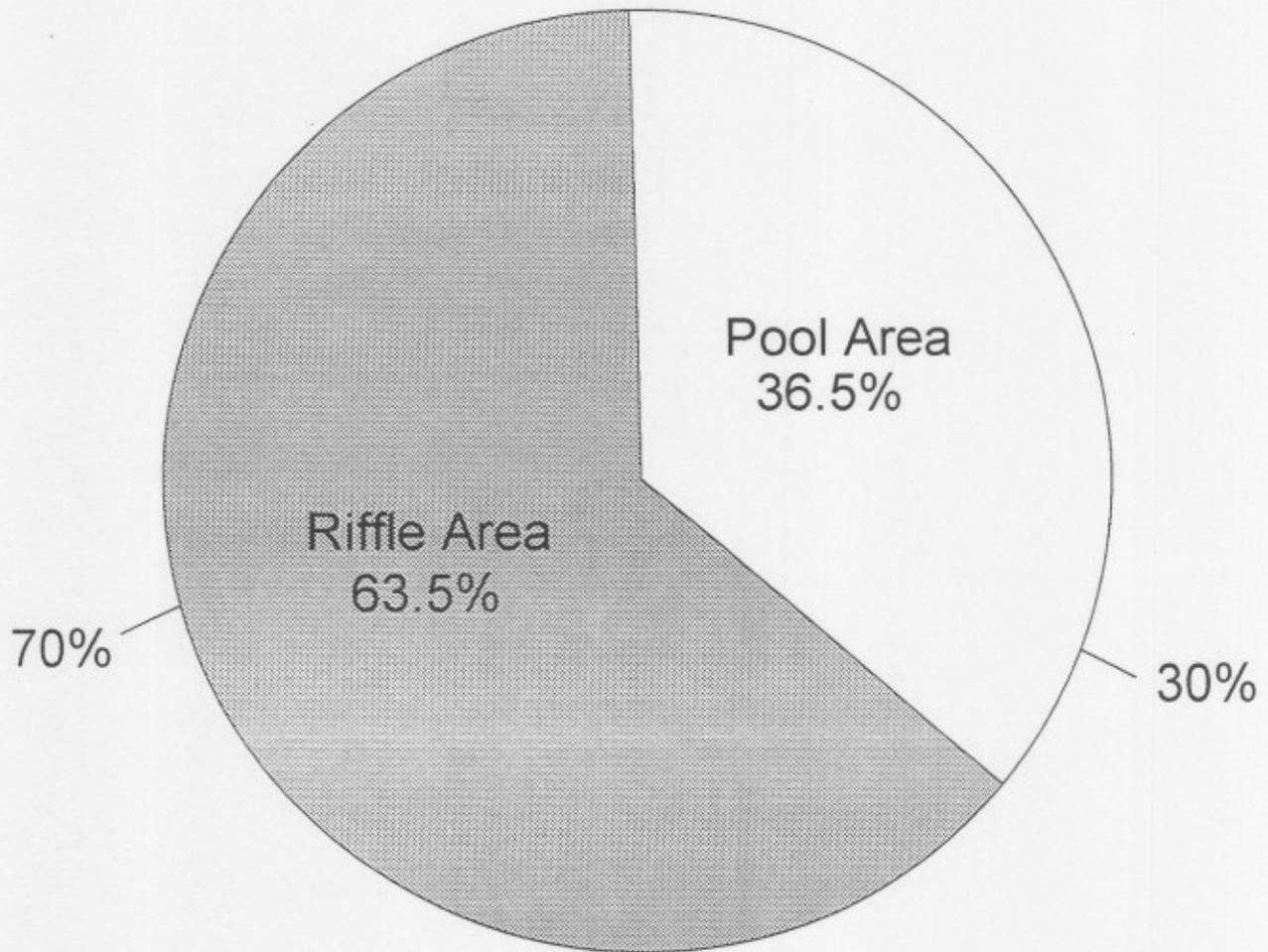
Mean Minimum Riparian Distance (either side): 5.3'

Maximum Riparian Width (Total): 85.0'

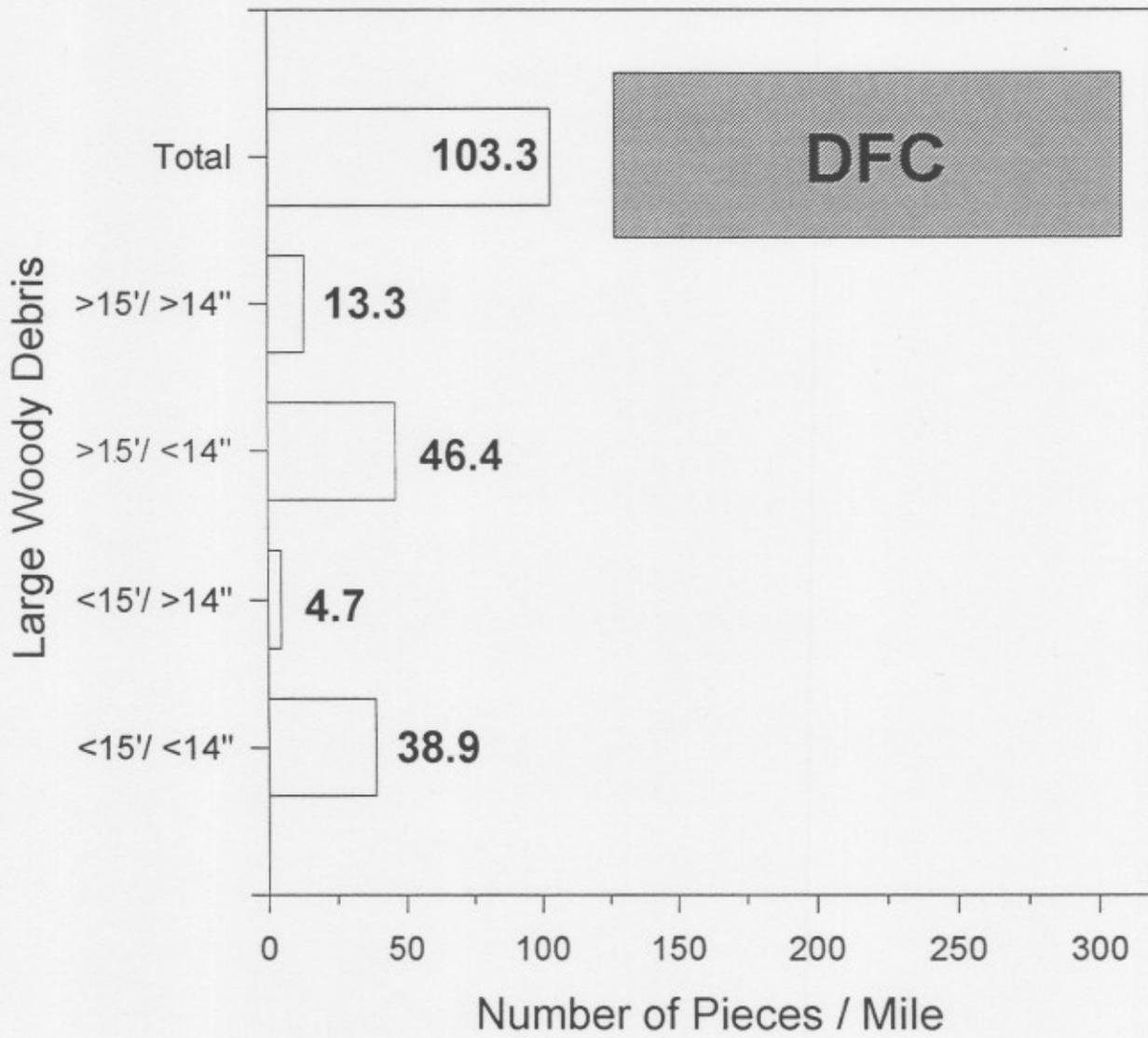
Minimum Riparian Width (Total): 46.7'

Shoe Creek

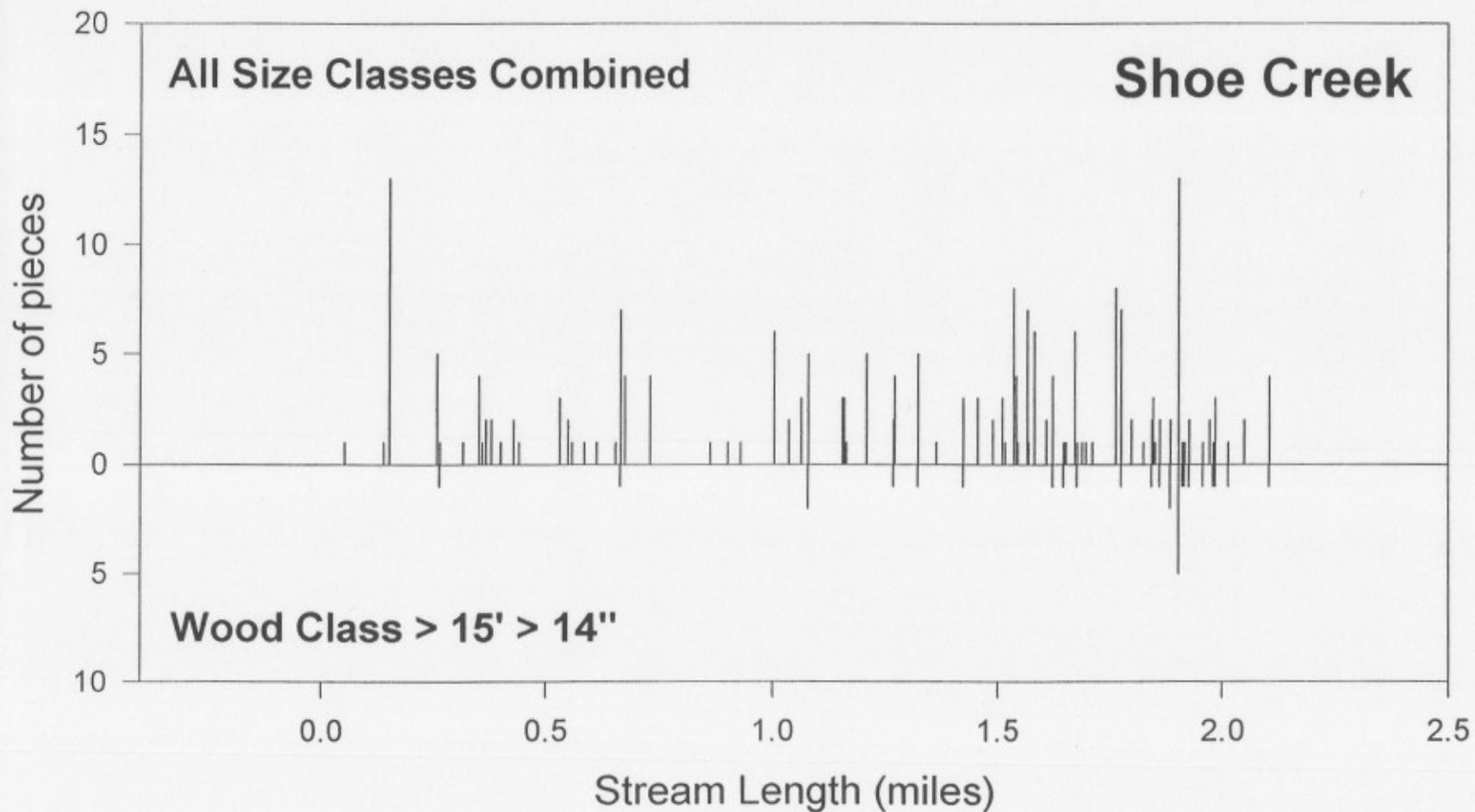
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Shoe Creek



Large Woody Debris Distribution



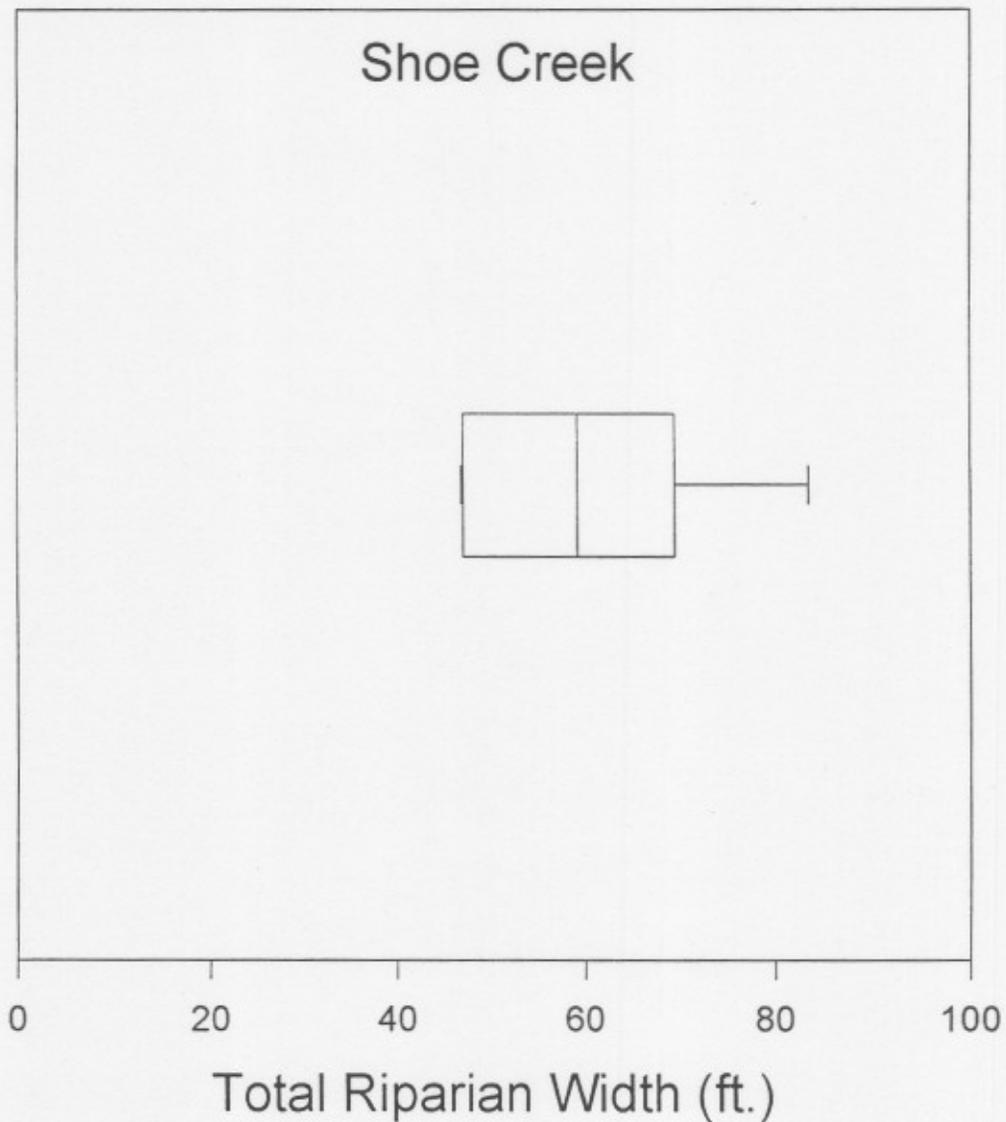
Riparian Width

Stream: Shoe Creek

Number of measurements:6

Mean width: 61.1 Std Dev: 14.7

Max: 85.0 Min: 46.7



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: South Fork Piney River

District: Pedlar

Quadrangle: Montebello

Sample Date: 7/24/95

Downstream Starting Point: USFS Boundary

Total Distance Surveyed: 5.29 miles

Percent of Total Area - Pools: 22.1%

Number of Pools: 245

Number of Pools per mile: 46

Total Pool Area: 94079.85 sq. ft. \pm 5139.08

Mean Pool Area: 383.99 sq. ft.

Correction Factor: 1.02

Mean Maximum Depth: 2.2'

Mean Average Depth: 1.5'

Percent of Total Area - Riffles: 77.9%

Number of Riffles: 229

Number of Riffles per mile: 43

Total Riffle Area: 330805.52 sq. ft. \pm 13817.09

Mean Riffle Area: 1444.57 sq. ft.

Correction Factor: 0.94

Mean Maximum Depth: 1.4'

Mean Average Depth: 0.7'

Number of Large Woody Debris Pieces per Mile: 141.6

Wood < 15' and < 14": 54.4

Wood < 15' and > 14": 2.5

Wood > 15' and < 14": 75.6

Wood > 15' and > 14": 9.1

Mean Channel Width: 33.3'

Mean Riparian Width: 73.0'

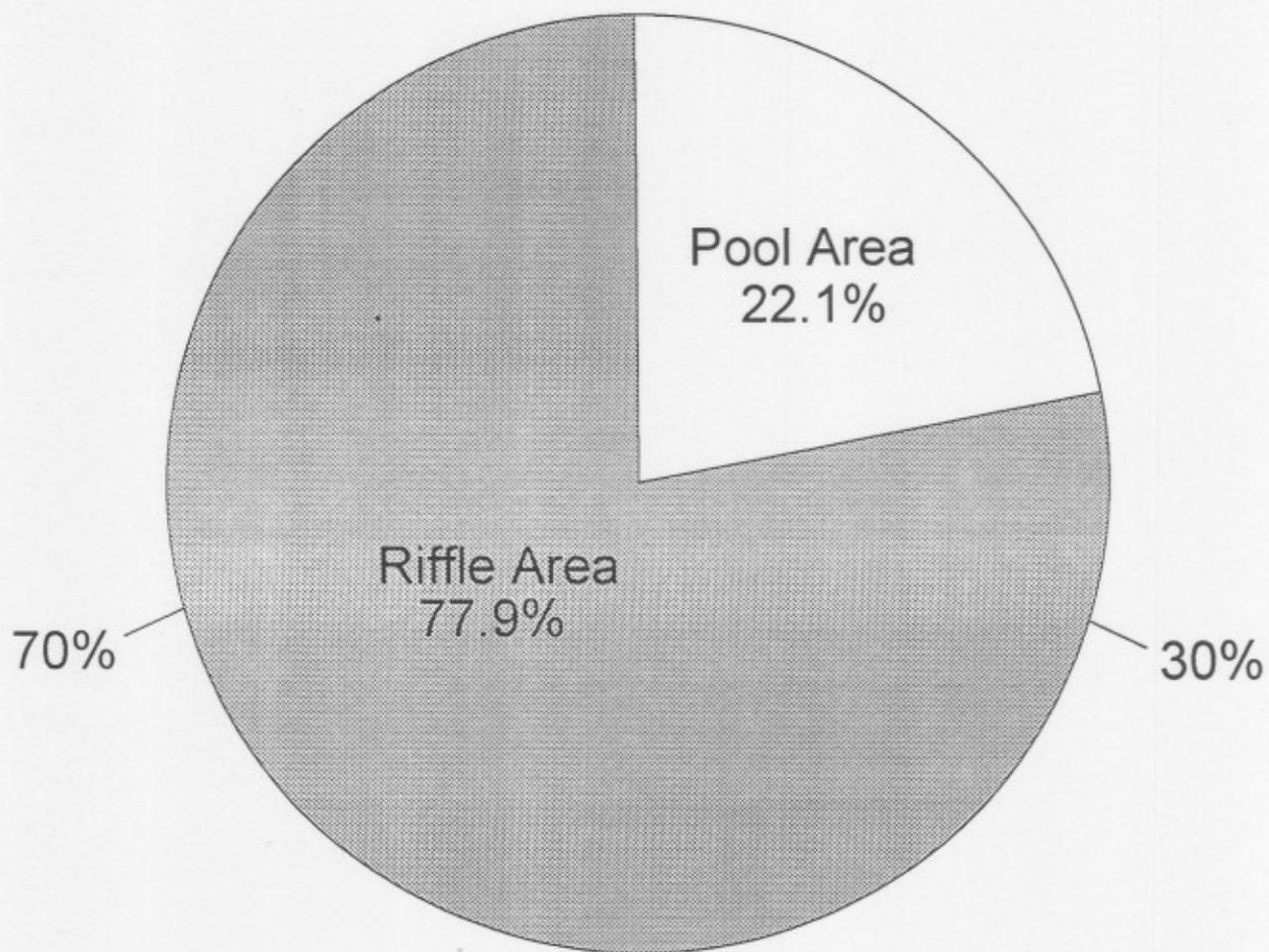
Mean Maximum Riparian Distance (either side): 38.5'

Mean Minimum Riparian Distance (either side): 92.4'

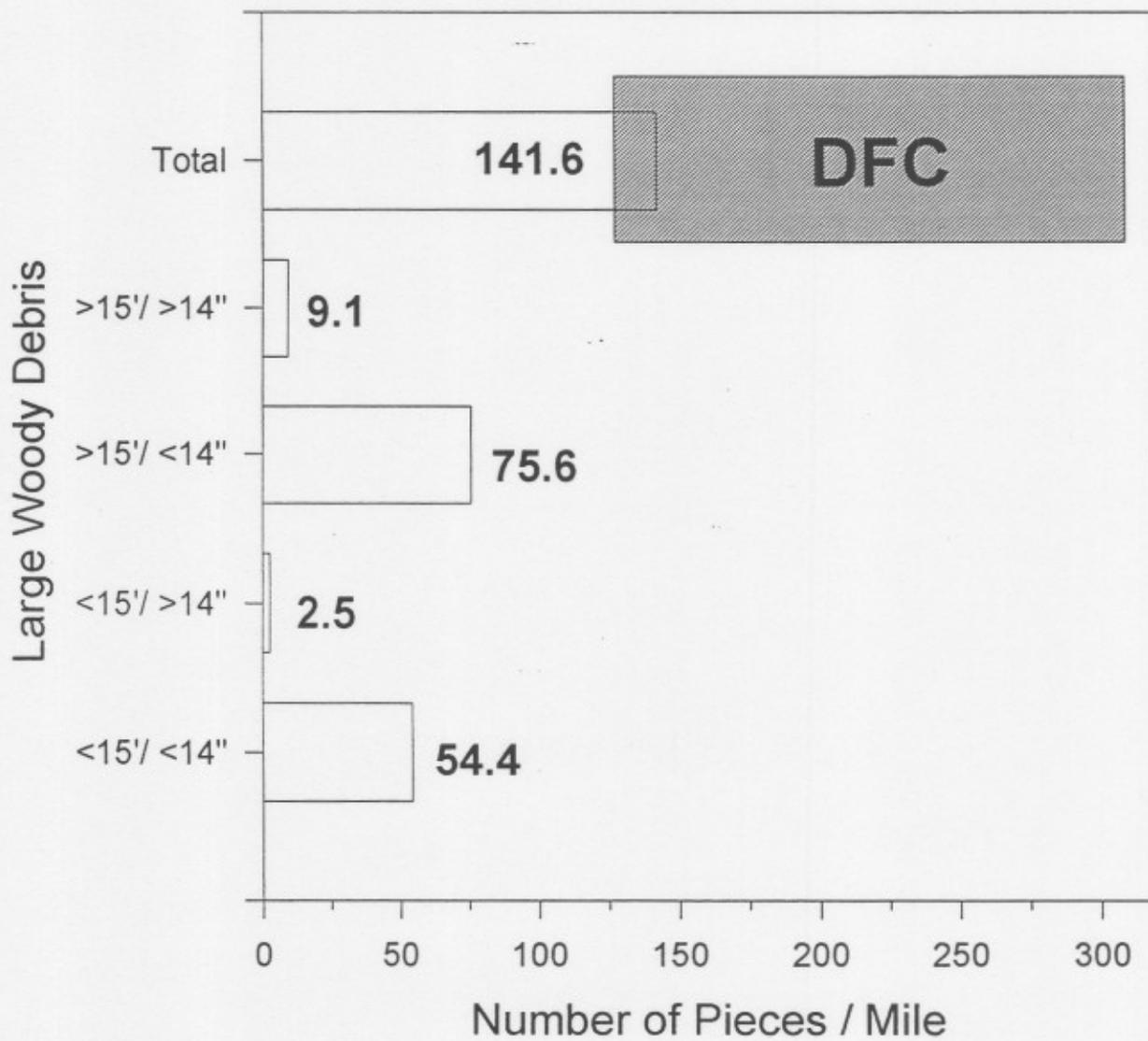
Maximum Riparian Width (Total): 128.7'

Minimum Riparian Width (Total): 19.5'

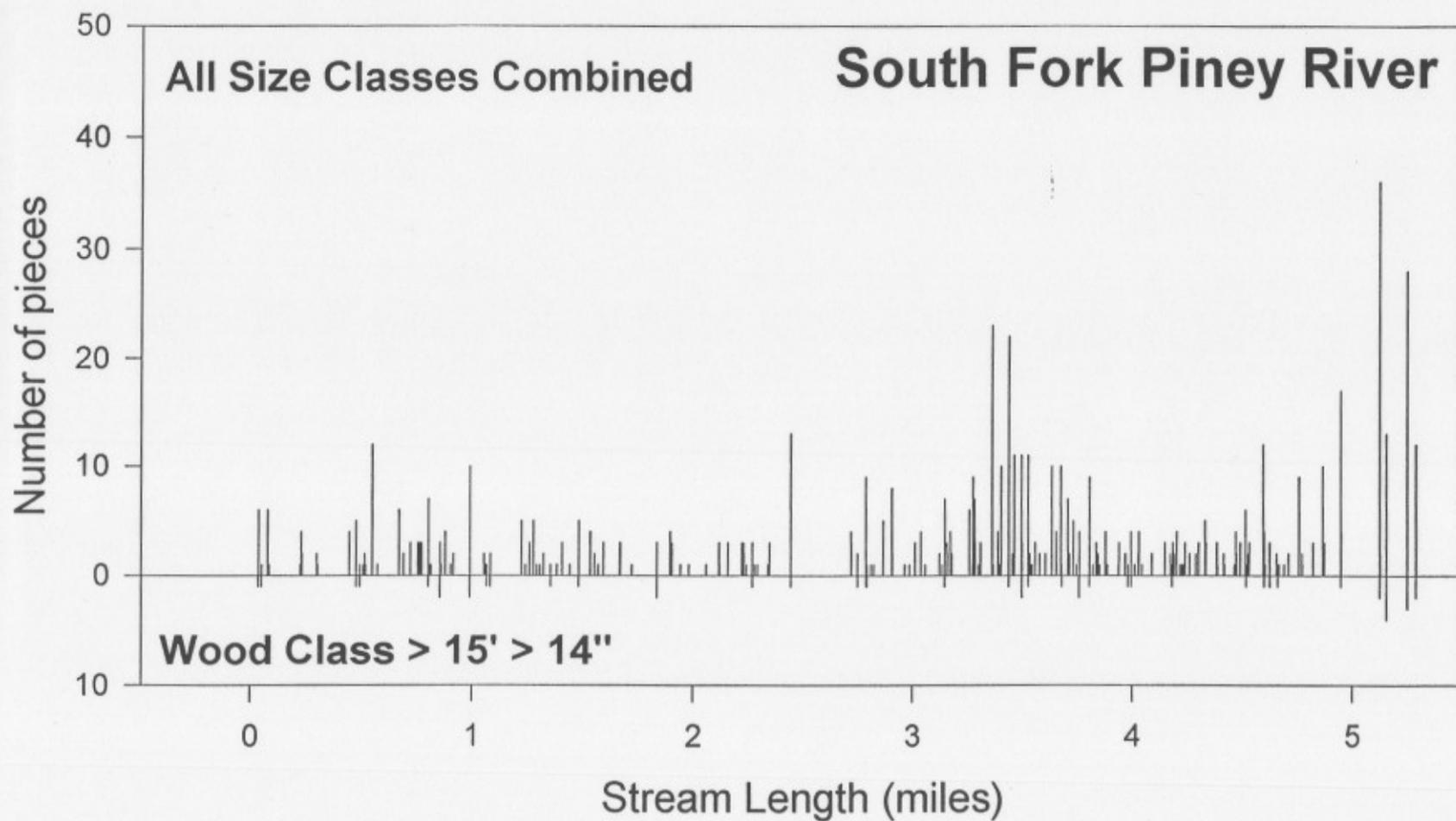
South Fork Piney River
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



South Fork Piney River



Large Woody Debris Distribution



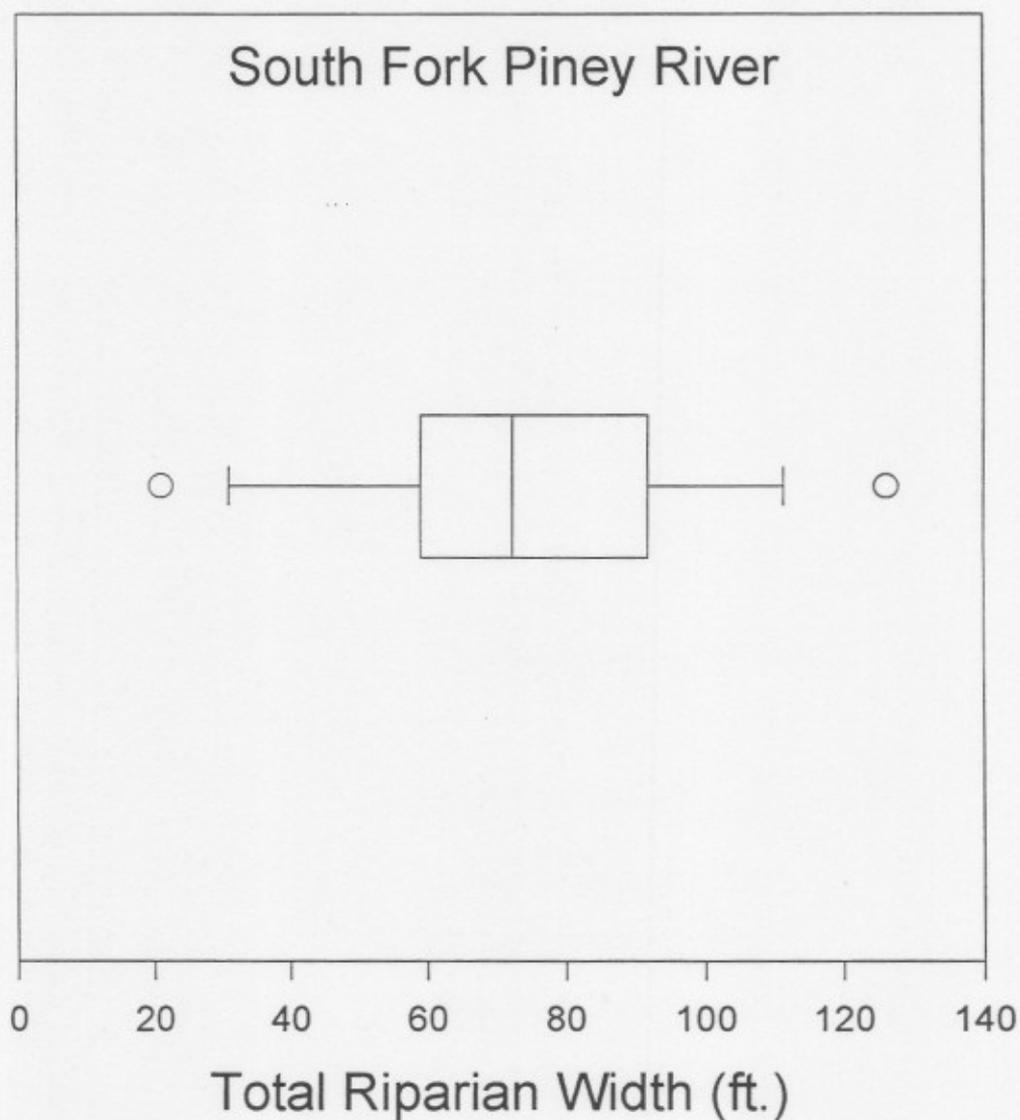
Riparian Width

Stream: South Fork Piney River

Number of measurements: 12

Mean width: 73.0 Std Dev: 29.4

Max: 128.7 Min: 19.5



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Statons Creek

District: Pedlar

Quadrangle: Montebello

Sample Date: 9/6/95

Downstream Starting Point: confluence with Pedlar River

Total Distance Surveyed: 0.93 miles

Percent of Total Area - Pools: 49.9%

Number of Pools: 74

Number of Pools per mile: 80

Total Pool Area: 40172.72 sq. ft. \pm 4336.28

Mean Pool Area: 542.87 sq. ft.

Correction Factor: 1.05

Mean Maximum Depth: 2.0'

Mean Average Depth: 1.5'

Percent of Total Area - Riffles: 50.1%

Number of Riffles: 58

Number of Riffles per mile: 62

Total Riffle Area: 40331.29 sq. ft. \pm 5168.84

Mean Riffle Area: 695.38 sq. ft.

Correction Factor: 0.93

Mean Maximum Depth: 1.0'

Mean Average Depth: 0.6'

Number of Large Woody Debris Pieces per Mile: 162.4

Wood < 15' and < 14": 74.2

Wood < 15' and > 14": 8.6

Wood > 15' and < 14": 49.5

Wood > 15' and > 14": 30.1

Mean Channel Width: 38.7'

Mean Riparian Width: 250.7'

Mean Maximum Riparian Distance (either side): 163.0'

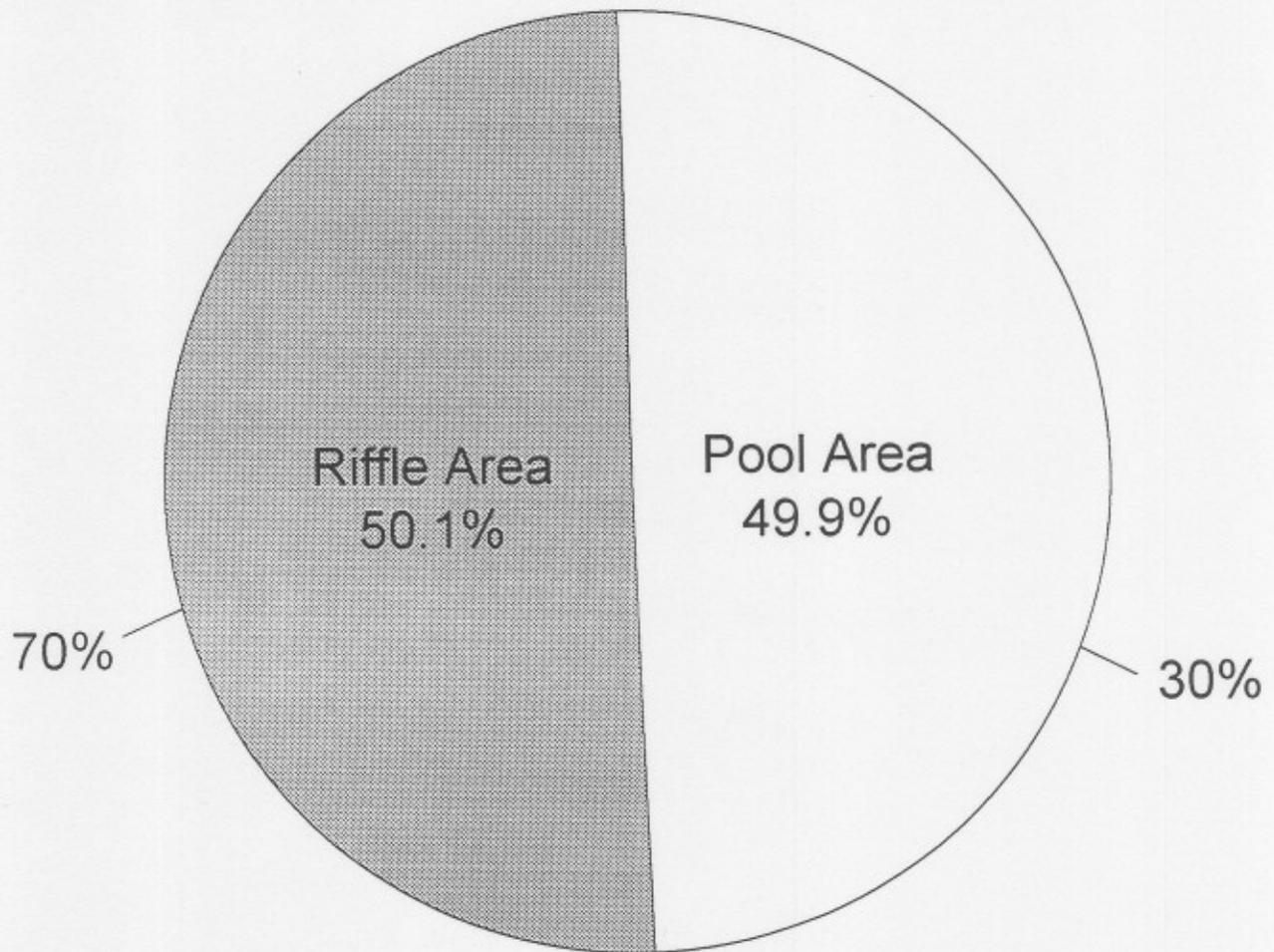
Mean Minimum Riparian Distance (either side): 49.0'

Maximum Riparian Width (Total): 539.0'

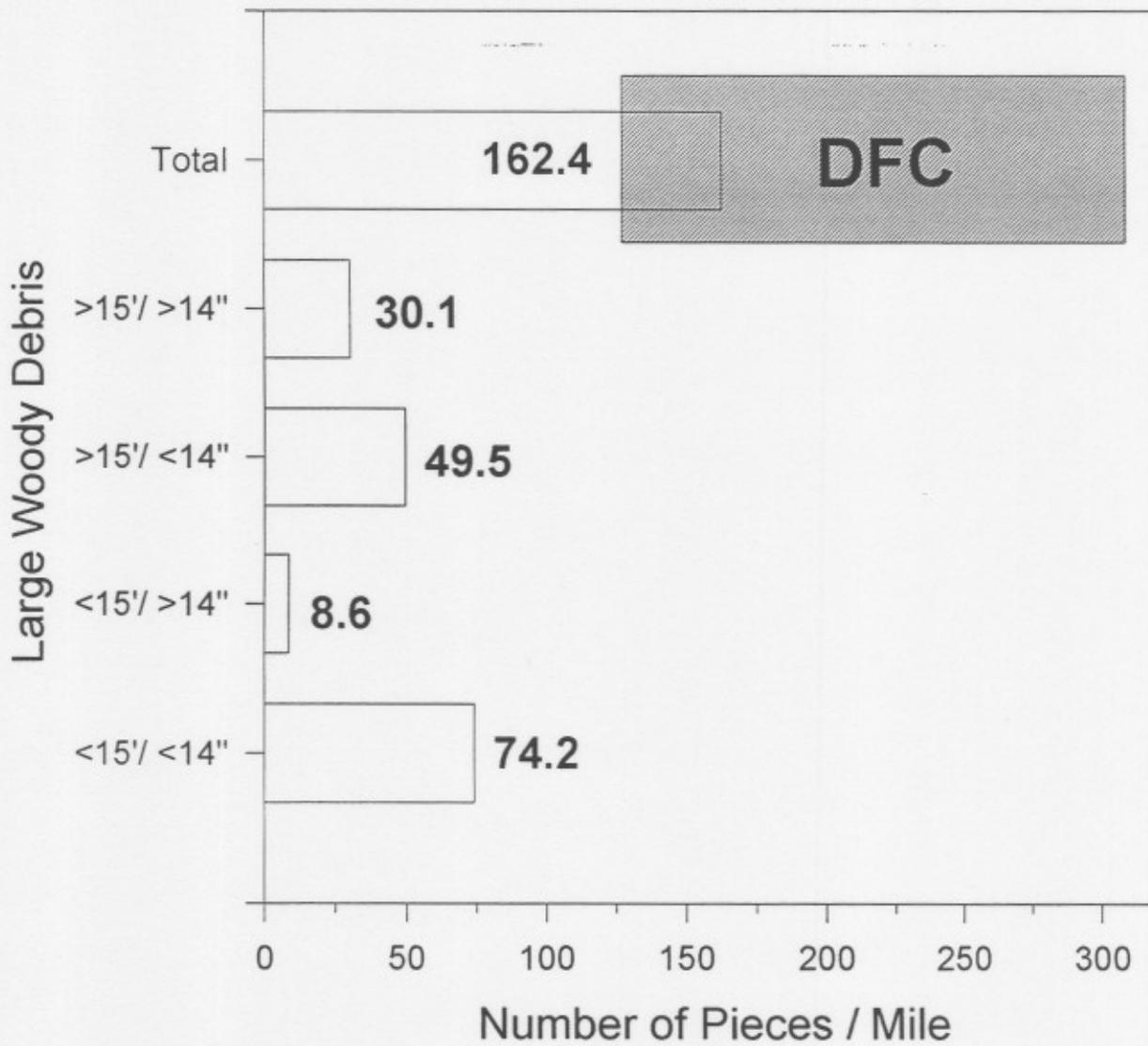
Minimum Riparian Width (Total): 86.0'

Statons Creek

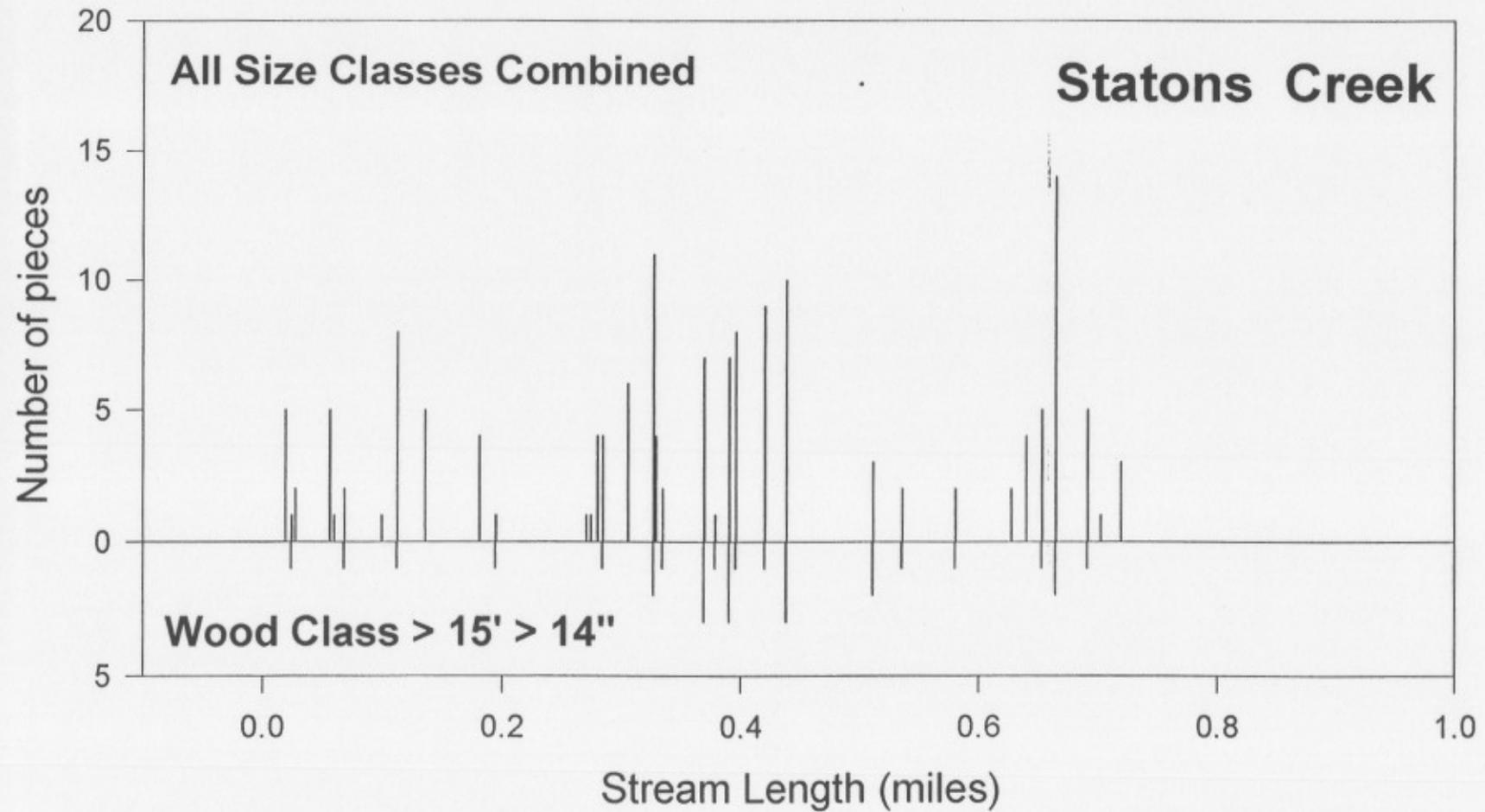
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Statons Creek



Large Woody Debris Distribution



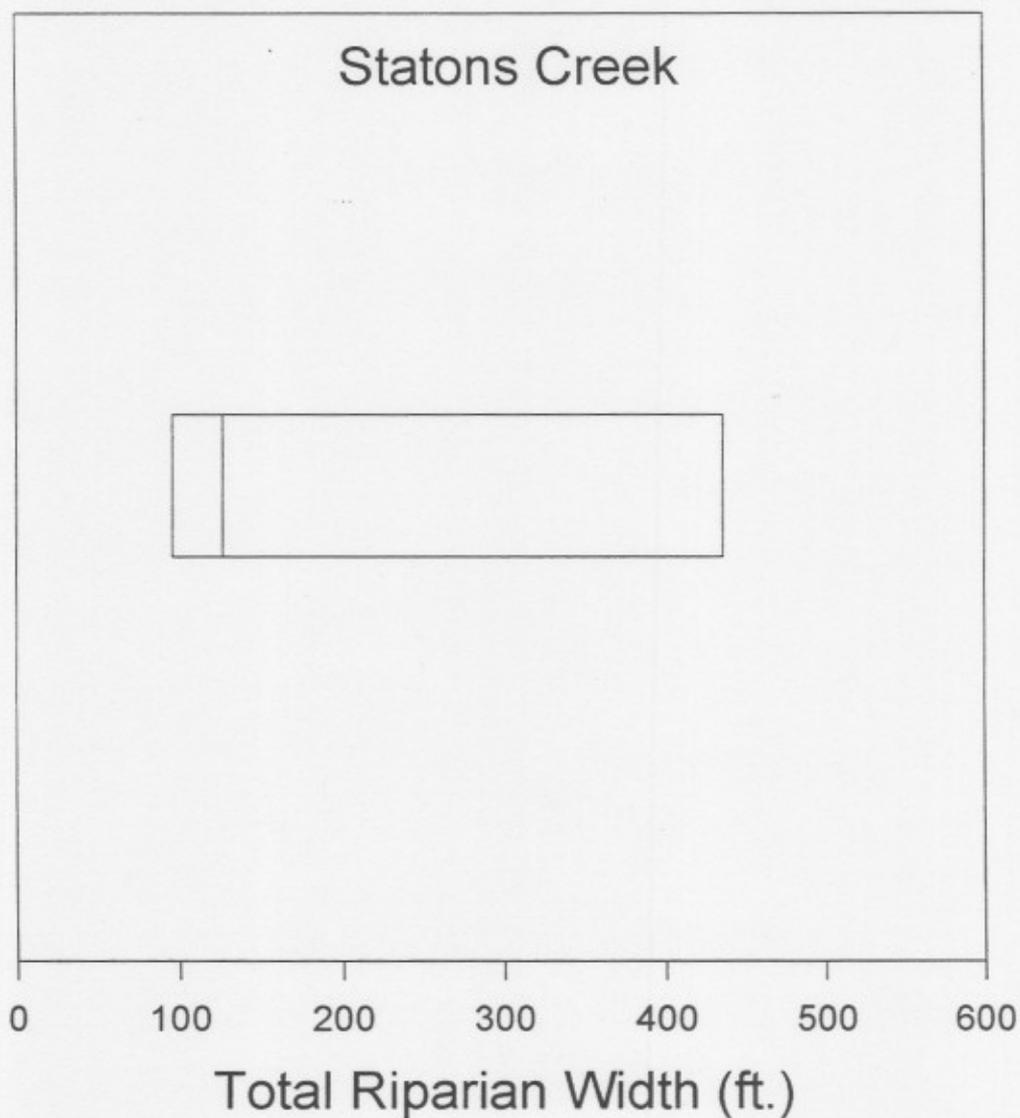
Riparian Width

Stream: Statons Creek

Number of measurements: 3

Mean width: 250.7 Std Dev: 250.5

Max: 539.0 Min: 86.0



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Sherando Quadrangle

Stream: Mills Creek

District: Pedlar

Quadrangle: Sherando

Sample Date: 6/6/95

Downstream Starting Point: USFS Boundary

Total Distance Surveyed: 6.1 miles

Percent of Total Area - Pools: 28.4%

Number of Pools: 306

Number of Pools per mile: 51

Total Pool Area: 105759.58 sq. ft. \pm 11847.30

Mean Pool Area: 345.6 sq. ft.

Correction Factor: 1.02

Mean Maximum Depth: 1.7'

Mean Average Depth: 1.0'

Percent of Total Area - Riffles: 71.6%

Number of Riffles: 273

Number of Riffles per mile: 46

Total Riffle Area: 266882.21 sq. ft. \pm 4548.22

Mean Riffle Area: 977.6 sq. ft.

Correction Factor: 1.03

Mean Maximum Depth: 0.8'

Mean Average Depth: 0.4'

Number of Large Woody Debris Pieces per Mile: 136.7

Wood < 15' and < 14": 46.7

Wood < 15' and > 14": 9.6

Wood > 15' and < 14": 57.9

Wood > 15' and > 14": 20.2

Mean Channel Width: 26.0'

Mean Riparian Width: 227.4'

Mean Maximum Riparian Distance (either side): 138.8'

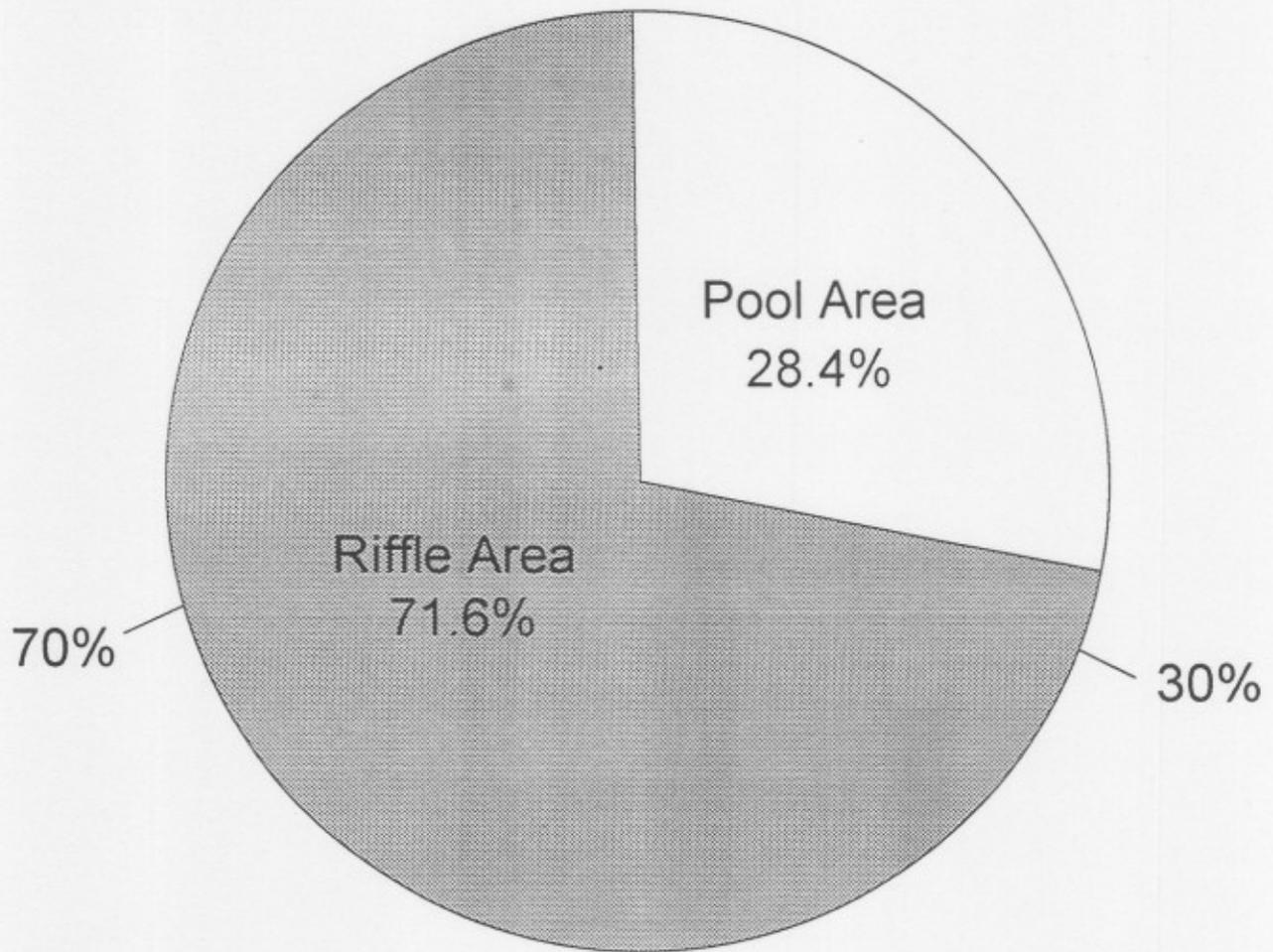
Mean Minimum Riparian Distance (either side): 62.6'

Maximum Riparian Width (Total): 550.0'

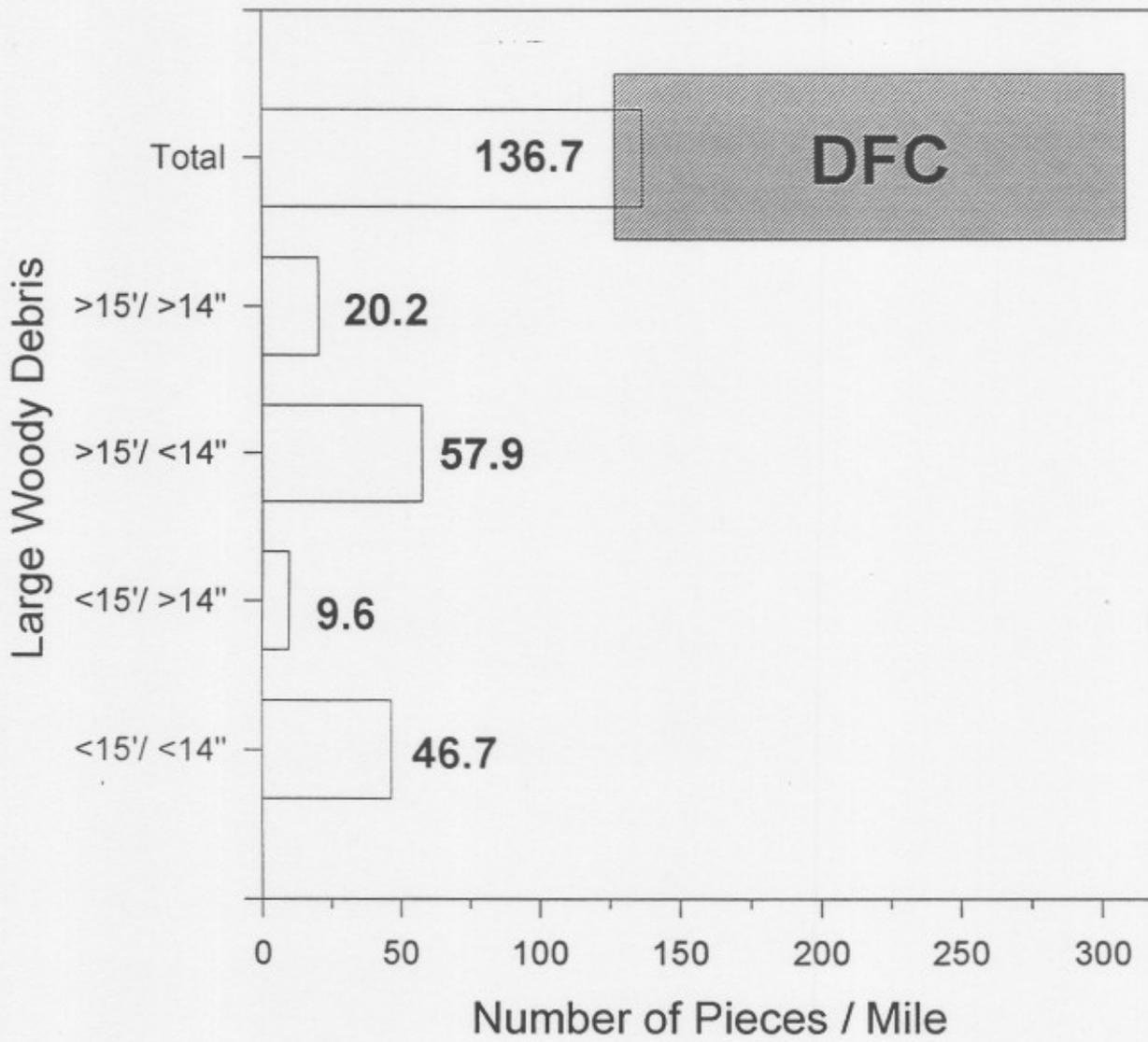
Minimum Riparian Width (Total): 46.9'

Mills Creek

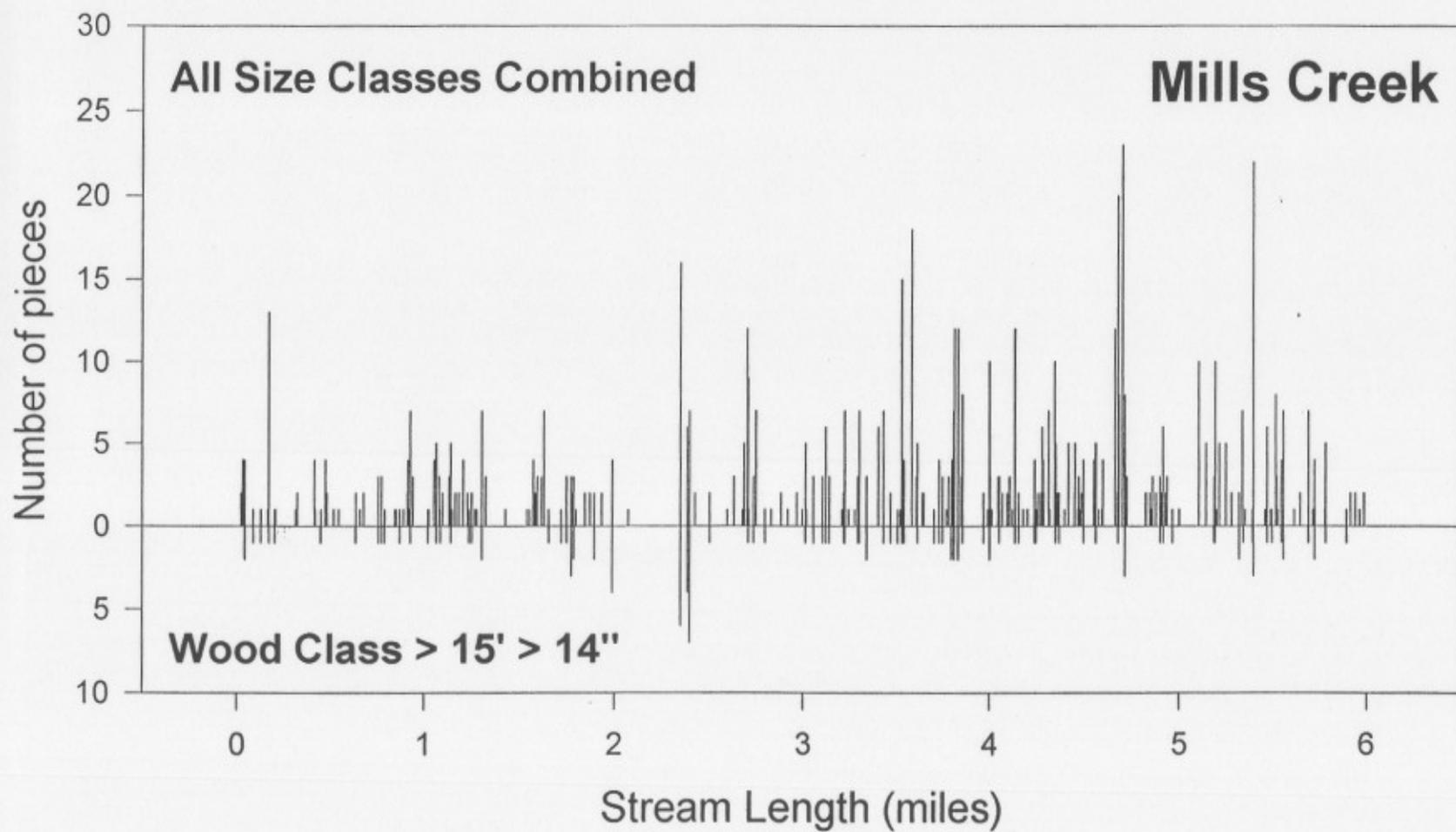
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Mills Creek



Large Woody Debris Distribution



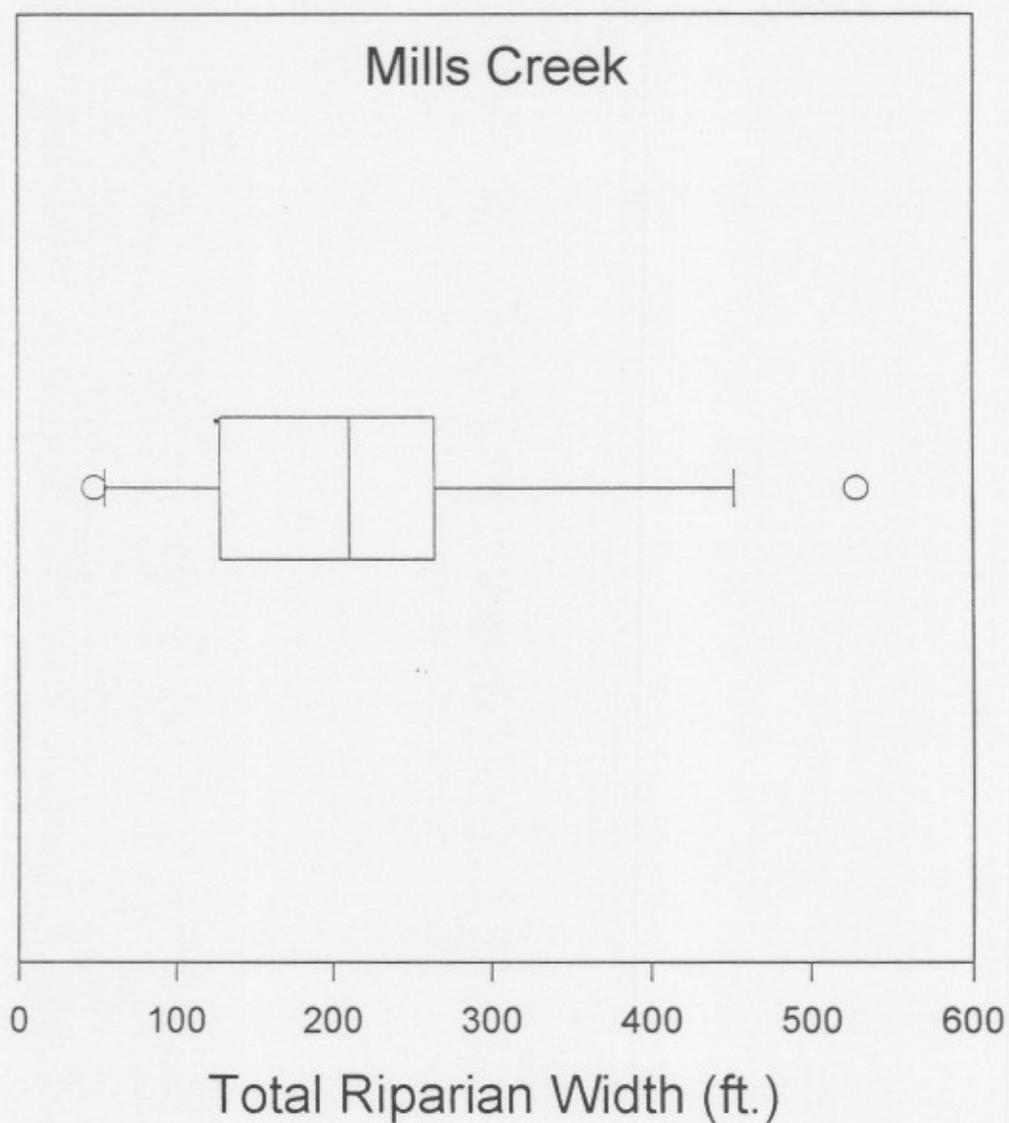
Riparian Width

Stream: Mills Creek

Number of measurements: 14

Mean width: 227.4 Std Dev:147.2

Max: 550.5 Min: 46.9



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Snowden Quadrangle

Stream: Peters Creek

Forest: Jefferson National Forest

Quadrangle: Snowden

Sample Date: 8/10/95

Downstream Starting Point: USFS boundary

Total Distance Surveyed: 1.81 miles

Percent of Total Area - Pools: 39.1%

Number of Pools: 191

Number of Pools per mile: 106

Total Pool Area: 27764.68 sq. ft. \pm 2324.68

Mean Pool Area: 145.36 sq. ft.

Correction Factor: 1.11

Mean Maximum Depth: 1.0'

Mean Average Depth: 0.7'

Percent of Total Area - Riffles: 60.9%

Number of Riffles: 158

Number of Riffles per mile: 87

Total Riffle Area: 43183.21 sq. ft. \pm 6908.54

Mean Riffle Area: 273.31 sq. ft.

Correction Factor: 1.08

Mean Maximum Depth: 0.5'

Mean Average Depth: 0.2'

Number of Large Woody Debris Pieces per Mile: 147.6

Wood < 15' and < 14": 65.2

Wood < 15' and > 14": 9.4

Wood > 15' and < 14": 51.4

Wood > 15' and > 14": 21.6

Mean Channel Width: 16.0'

Mean Riparian Width: 45.6'

Mean Maximum Riparian Distance (either side): 20.2'

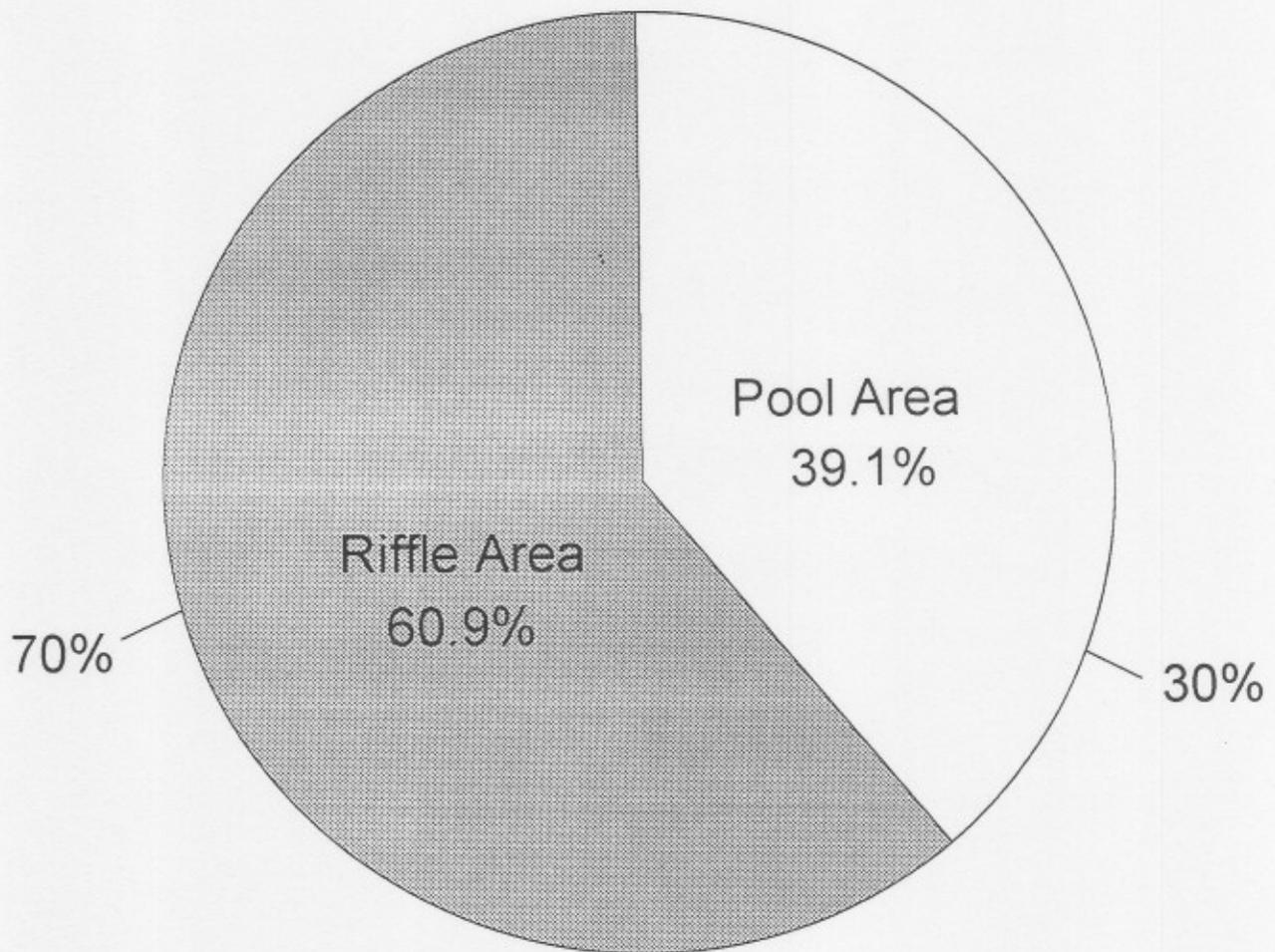
Mean Minimum Riparian Distance (either side): 9.4'

Maximum Riparian Width (Total): 65.1'

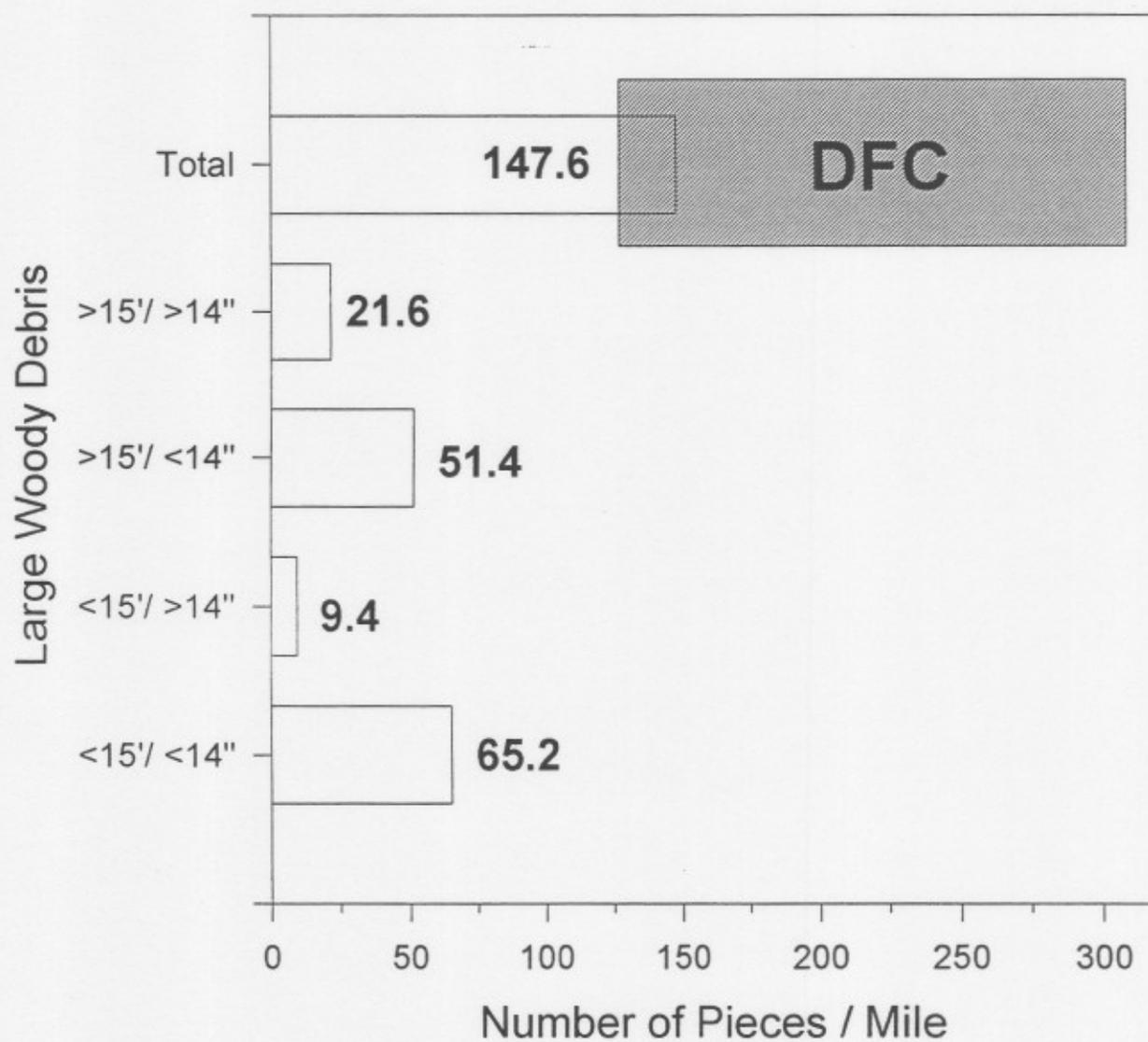
Minimum Riparian Width (Total): 35.2'

Peters Creek

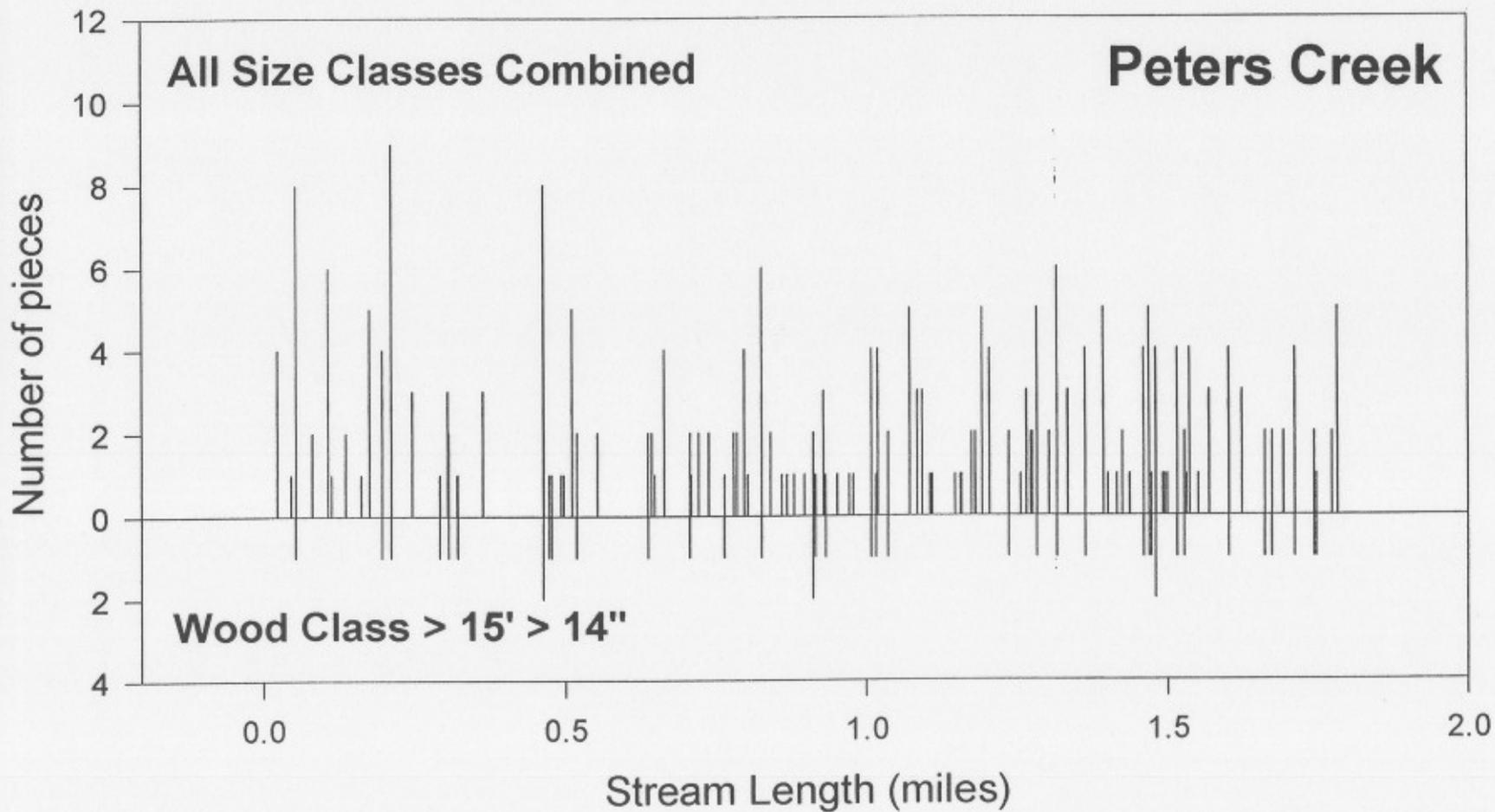
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Peters Creek



Large Woody Debris Distribution



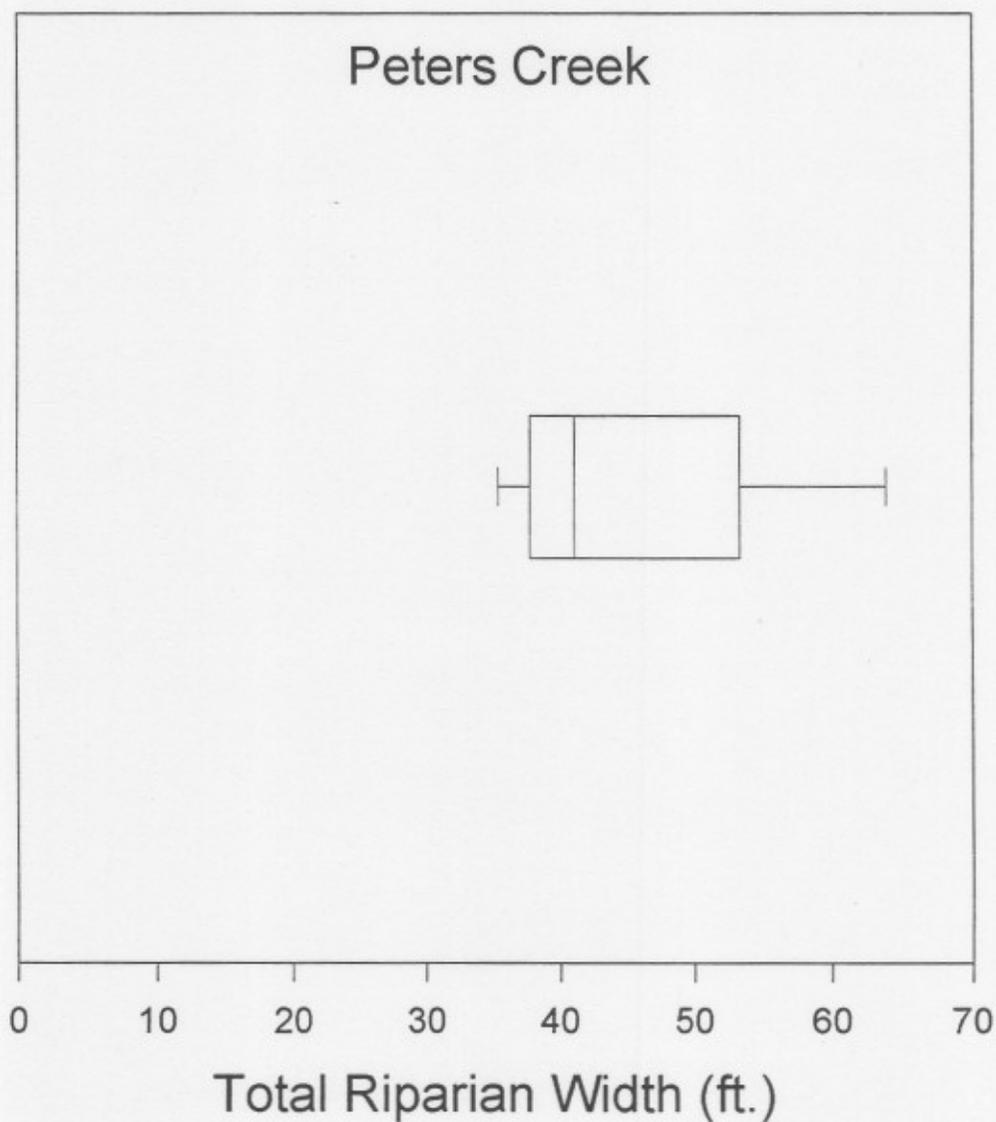
Riparian Width

Stream: Peters Creek

Number of measurements: 8

Mean width: 45.6 Std Dev: 11.4

Max: 65.1 Min: 35.2



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Rocky Row Run

District: Pedlar

Quadrangle: Snowden

Sample Date: 8/3/95

Downstream Starting Point: confluence with James River

Total Distance Surveyed: 2.85 miles

Percent of Total Area - Pools: 40.8%

Number of Pools: 188

Number of Pools per mile: 66

Total Pool Area: 77802.03 sq. ft. \pm 5216.43

Mean Pool Area: 413.84 sq. ft.

Correction Factor: 0.97

Mean Maximum Depth: 1.6'

Mean Average Depth: 1.0'

Percent of Total Area - Riffles: 59.2%

Number of Riffles: 158

Number of Riffles per mile: 55

Total Riffle Area: 112773.92 sq. ft. \pm 12467.73

Mean Riffle Area: 713.76 sq. ft.

Correction Factor: 0.93

Mean Maximum Depth: 1.0'

Mean Average Depth: 0.5'

Number of Large Woody Debris Pieces per Mile: 97.2

Wood < 15' and < 14": 41.1

Wood < 15' and > 14": 4.9

Wood > 15' and < 14": 35.4

Wood > 15' and > 14": 15.8

Mean Channel Width: 22.6'

Mean Riparian Width: 67.1'

Mean Maximum Riparian Distance (either side): 35.3'

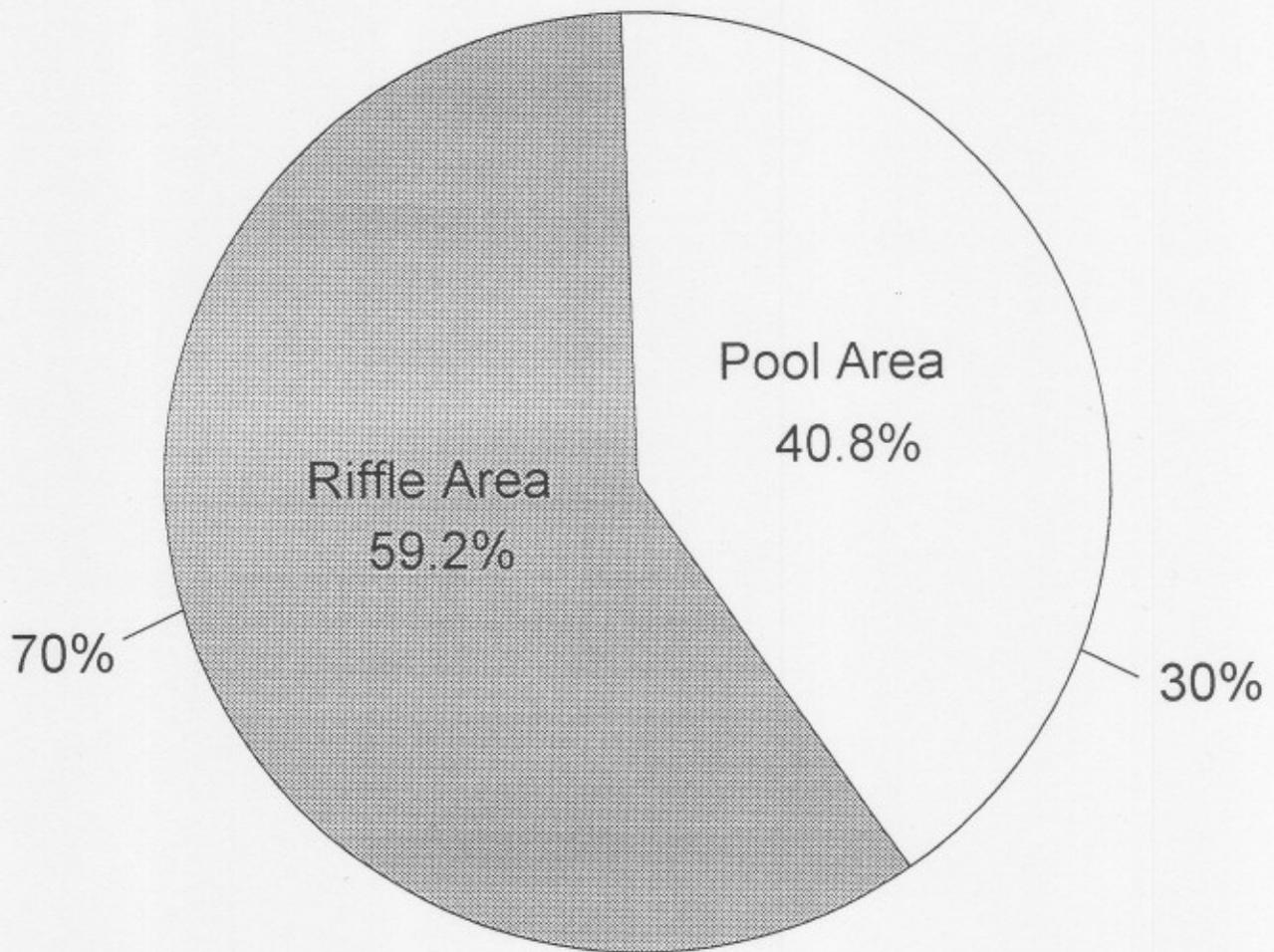
Mean Minimum Riparian Distance (either side): 9.2'

Maximum Riparian Width (Total): 132.0'

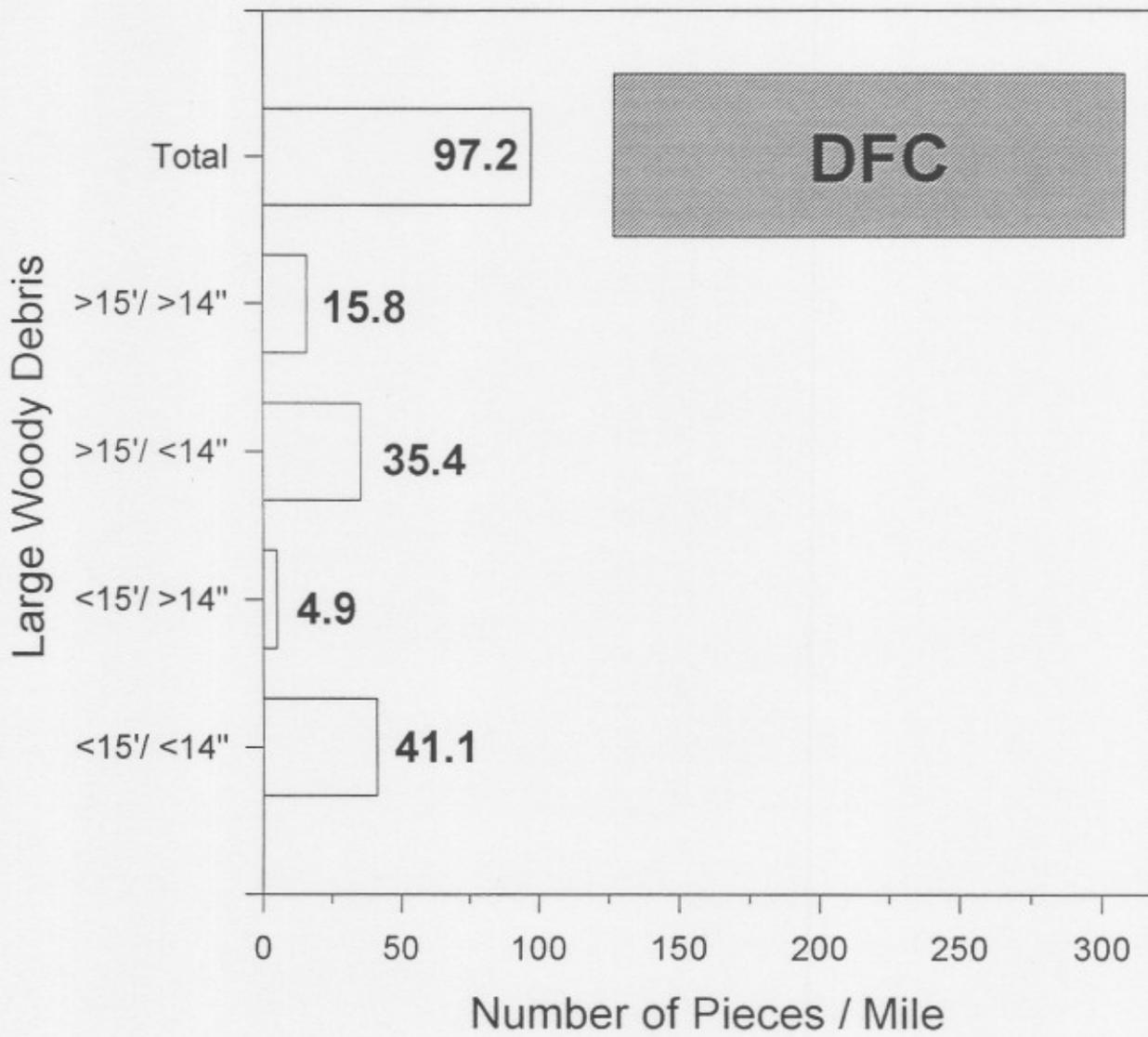
Minimum Riparian Width (Total): 42.7'

Rocky Row Run

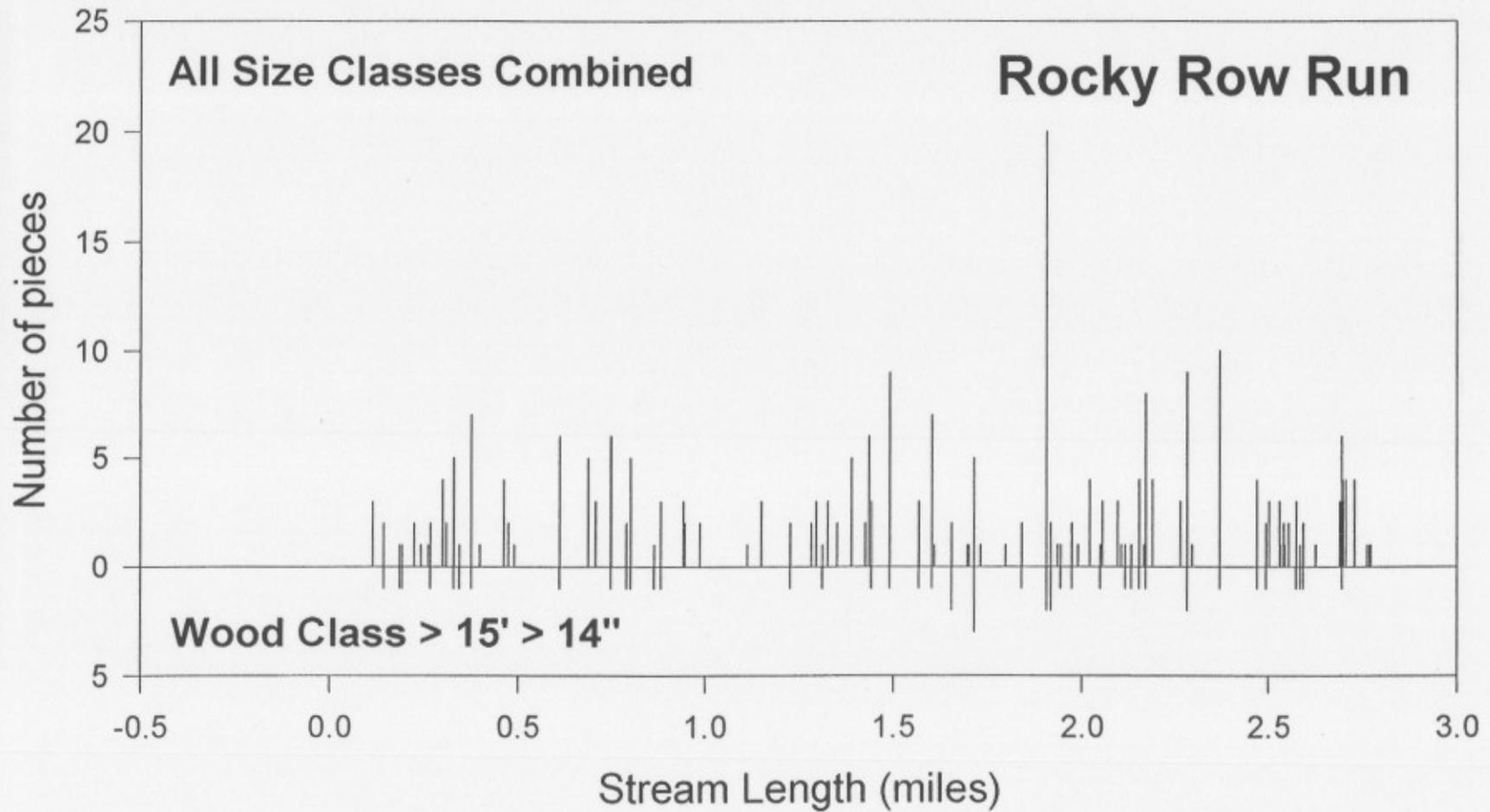
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Rocky Row Run



Large Woody Debris Distribution



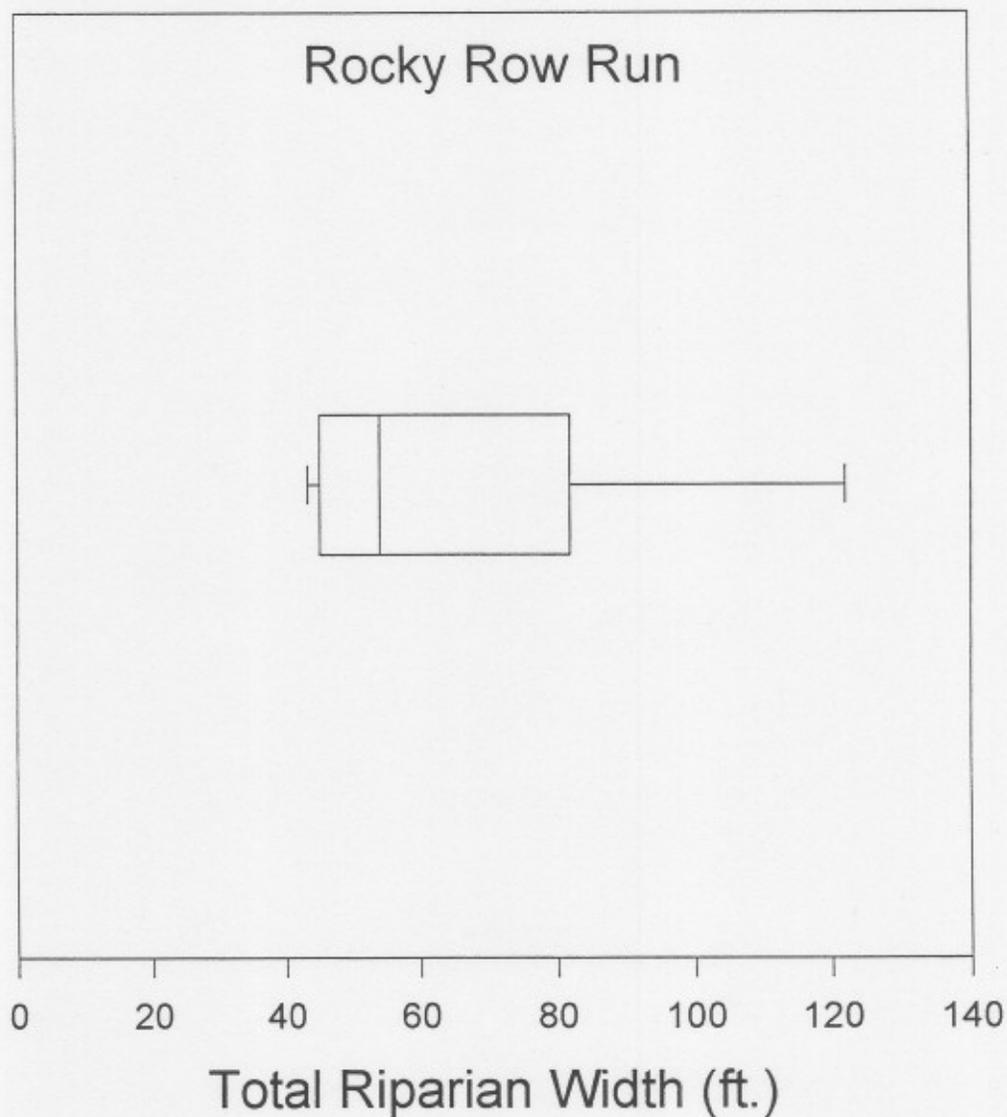
Riparian Width

Stream: Rocky Row Run

Number of measurements: 8

Mean width: 67.1 Std Dev: 31.9

Max: 132.0 Min: 42.7



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.

Stream: Rocky Row Trib.

District: Pedlar

Quadrangle: Snowden

Sample Date: 8/3/95

Downstream Starting Point: confluence with Rocky Row Run

Total Distance Surveyed: 0.28 miles

Percent of Total Area - Pools: 30.1%

Number of Pools: 29

Number of Pools per mile: 104

Total Pool Area: 3178.74 sq. ft.

Mean Pool Area: 109.61 sq. ft.

Correction Factor: 1.24

Mean Maximum Depth: 1.1'

Mean Average Depth: 0.7'

Percent of Total Area - Riffles: 69.9%

Number of Riffles: 27

Number of Riffles per mile: 96

Total Riffle Area: 7389.50 sq. ft.

Mean Riffle Area: 273.69 sq. ft.

Correction Factor: 1.00

Mean Maximum Depth: 0.6'

Mean Average Depth: 0.3'

Number of Large Woody Debris Pieces per Mile: 92.9

Wood < 15' and < 14": 42.9

Wood < 15' and > 14": 0.0

Wood > 15' and < 14": 39.3

Wood > 15' and > 14": 10.7

Mean Channel Width: 17.8'* * one observation

Mean Riparian Width: 30.7'*

Mean Maximum Riparian Distance (either side): 8.6'*

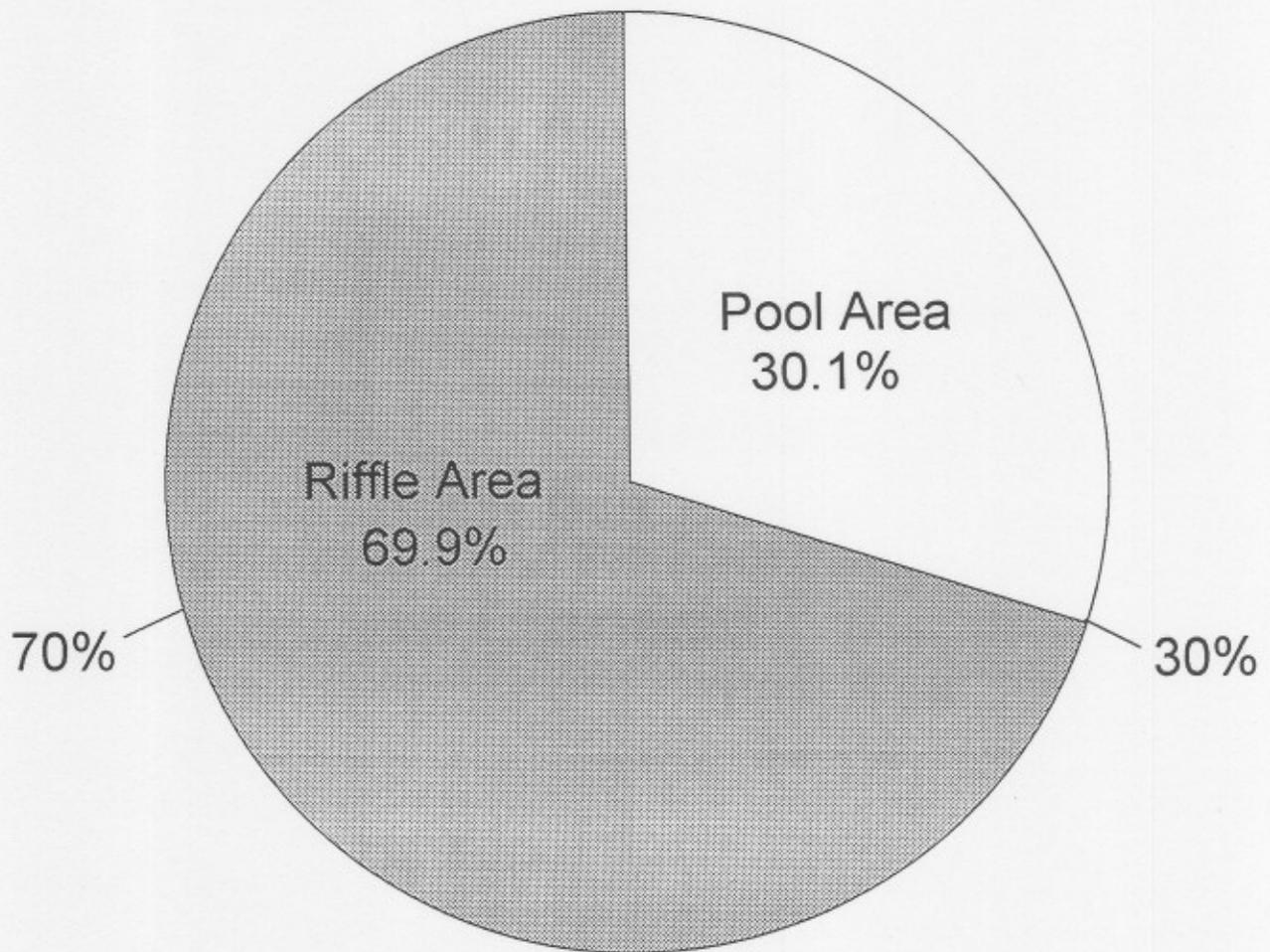
Mean Minimum Riparian Distance (either side): 4.3'*

Maximum Riparian Width (Total): 30.7'*

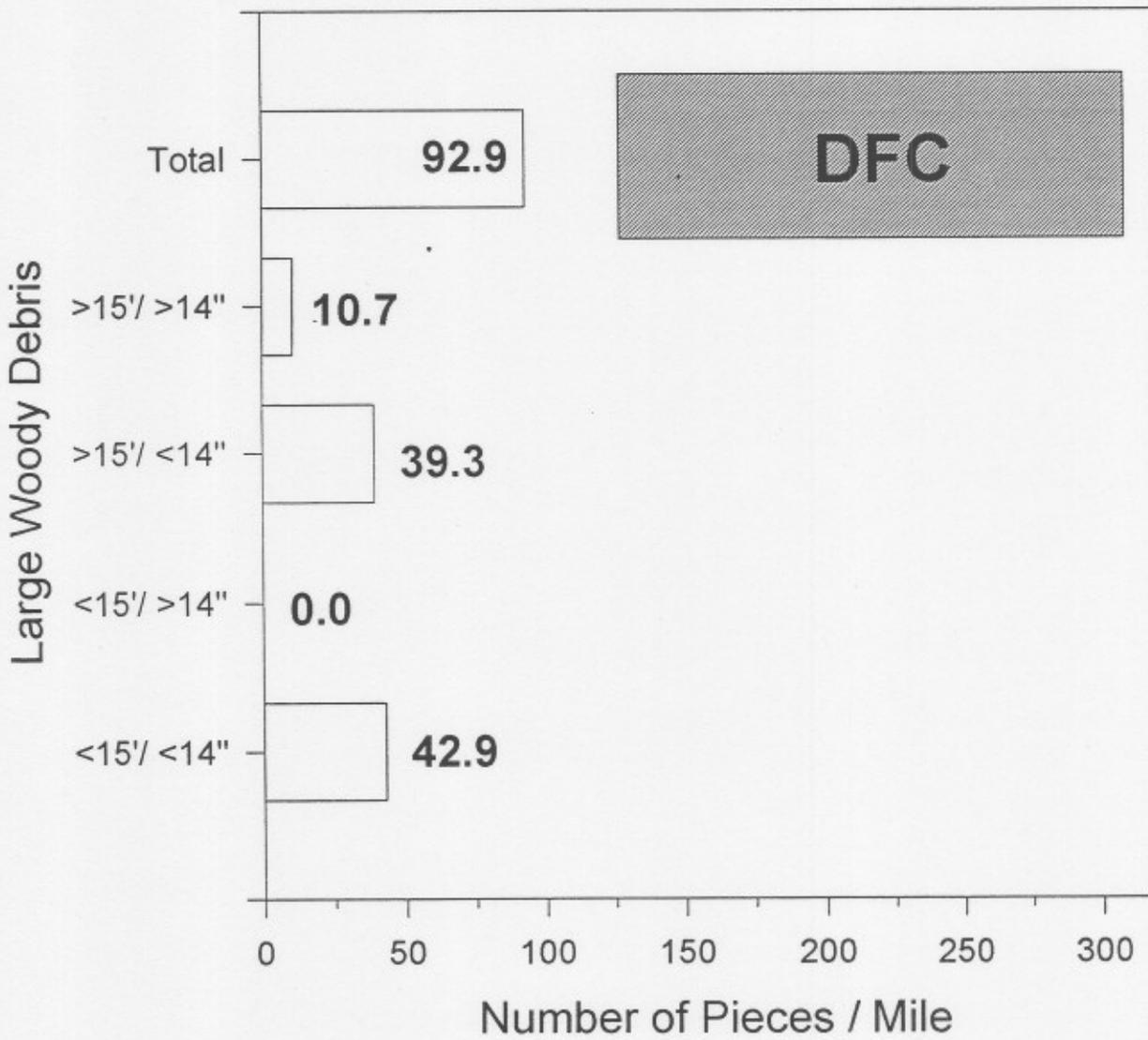
Minimum Riparian Width (Total): 30.7'*

Rocky Row Tributary

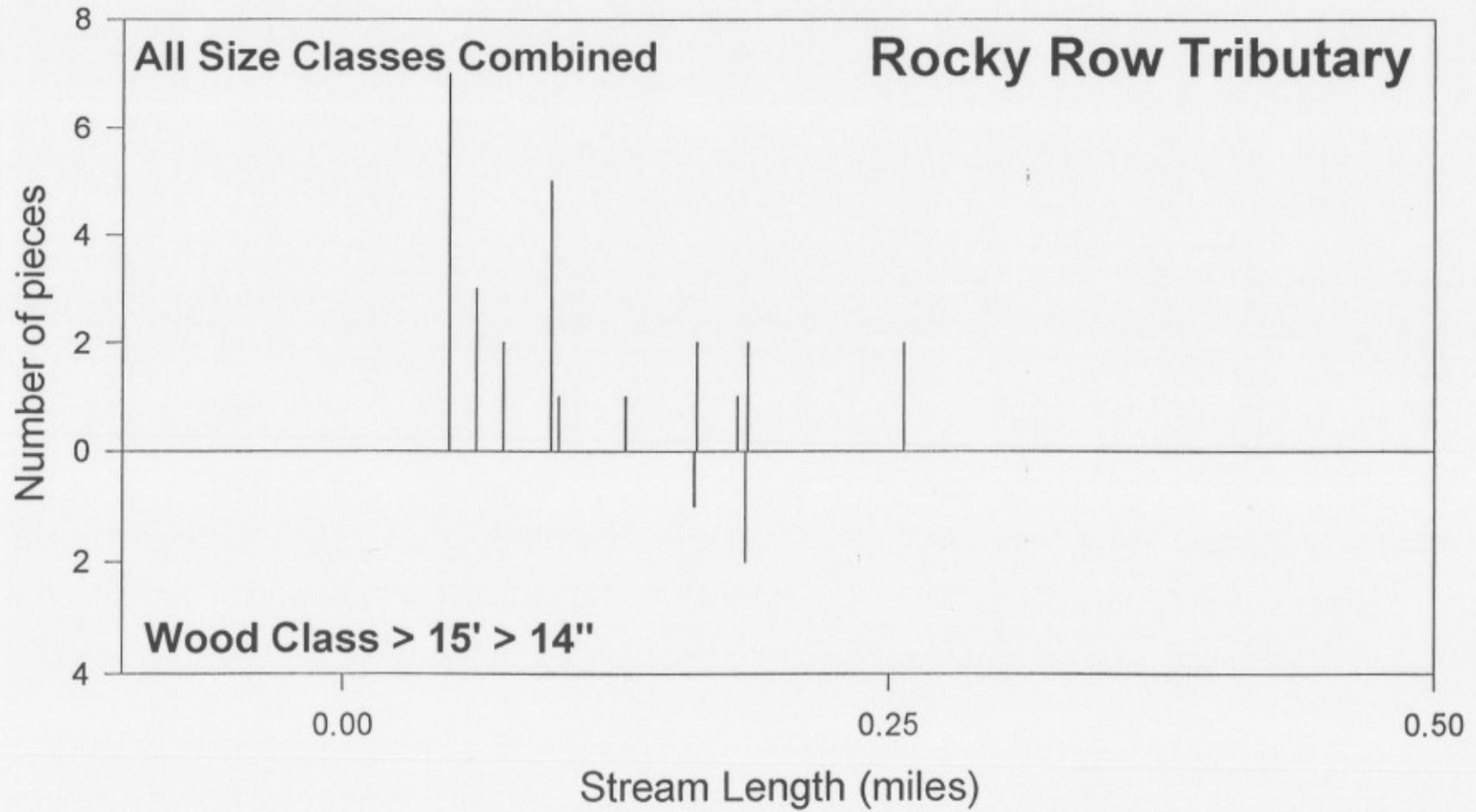
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Rocky Row Tributary



Large Woody Debris Distribution



Stream: Snow Creek

Forest: Jefferson National Forest

Quadrangle: Snowden

Sample Date: 8/8/95

Downstream Starting Point: USFS Boundary

Total Distance Surveyed: 1.61 miles

Percent of Total Area - Pools: 45.4%

Number of Pools: 149

Number of Pools per mile: 93

Total Pool Area: 30208.25 sq. ft. \pm 1971.65

Mean Pool Area: 202.74 sq. ft.

Correction Factor: 1.02

Mean Maximum Depth: 1.3'

Mean Average Depth: 0.8'

Percent of Total Area - Riffles: 54.6%

Number of Riffles: 128

Number of Riffles per mile: 80

Total Riffle Area: 36380.27 sq. ft. \pm 4322.17

Mean Riffle Area: 284.22 sq. ft.

Correction Factor: 0.94

Mean Maximum Depth: 0.5'

Mean Average Depth: 0.3'

Number of Large Woody Debris Pieces per Mile: 133.1

Wood < 15' and < 14": 68.3

Wood < 15' and > 14": 1.2

Wood > 15' and < 14": 48.7

Wood > 15' and > 14": 14.9

Mean Channel Width: 17.4'

Mean Riparian Width: 49.8'

Mean Maximum Riparian Distance (either side): 22.8'

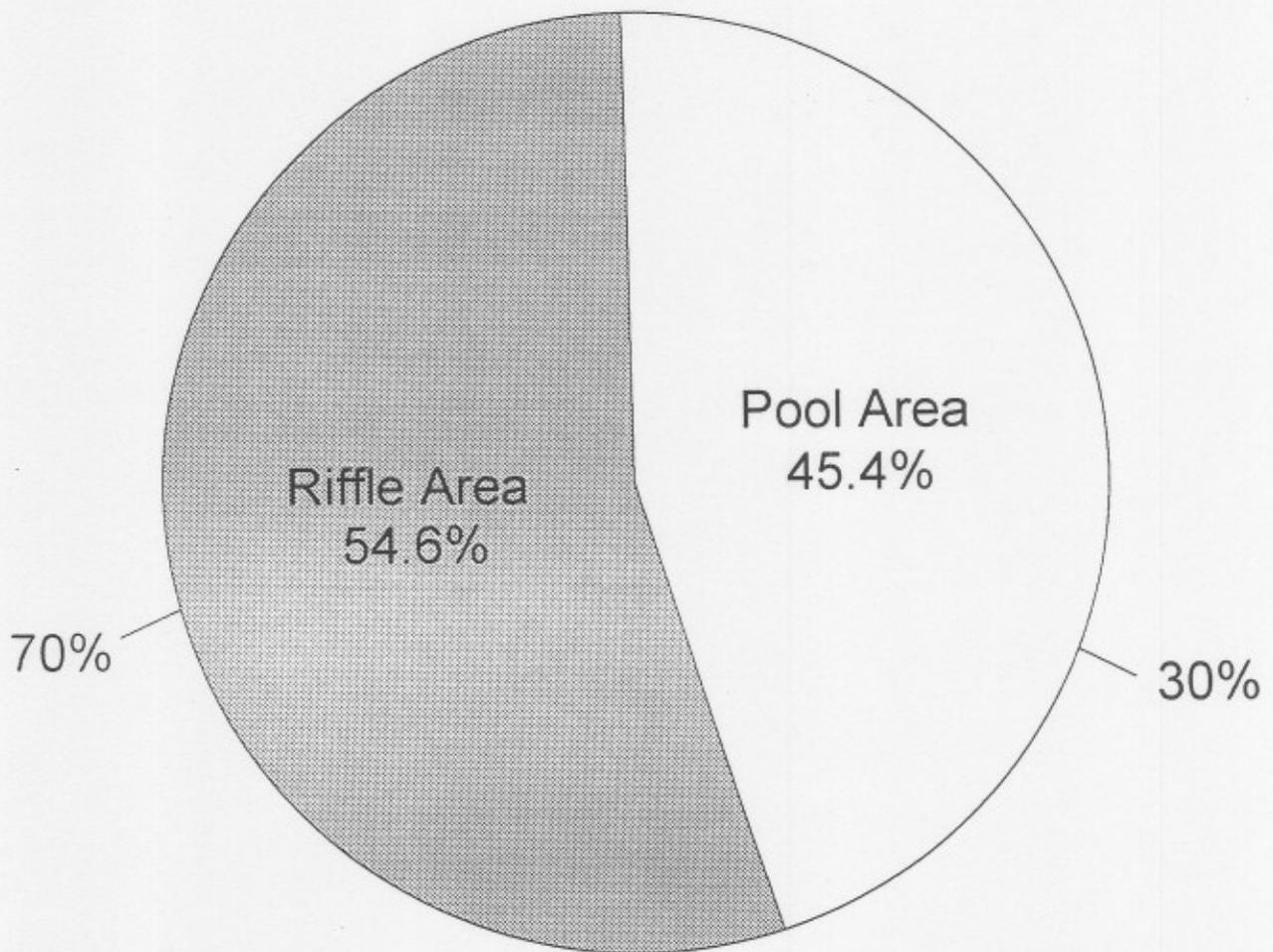
Mean Minimum Riparian Distance (either side): 9.6'

Maximum Riparian Width (Total): 109.6'

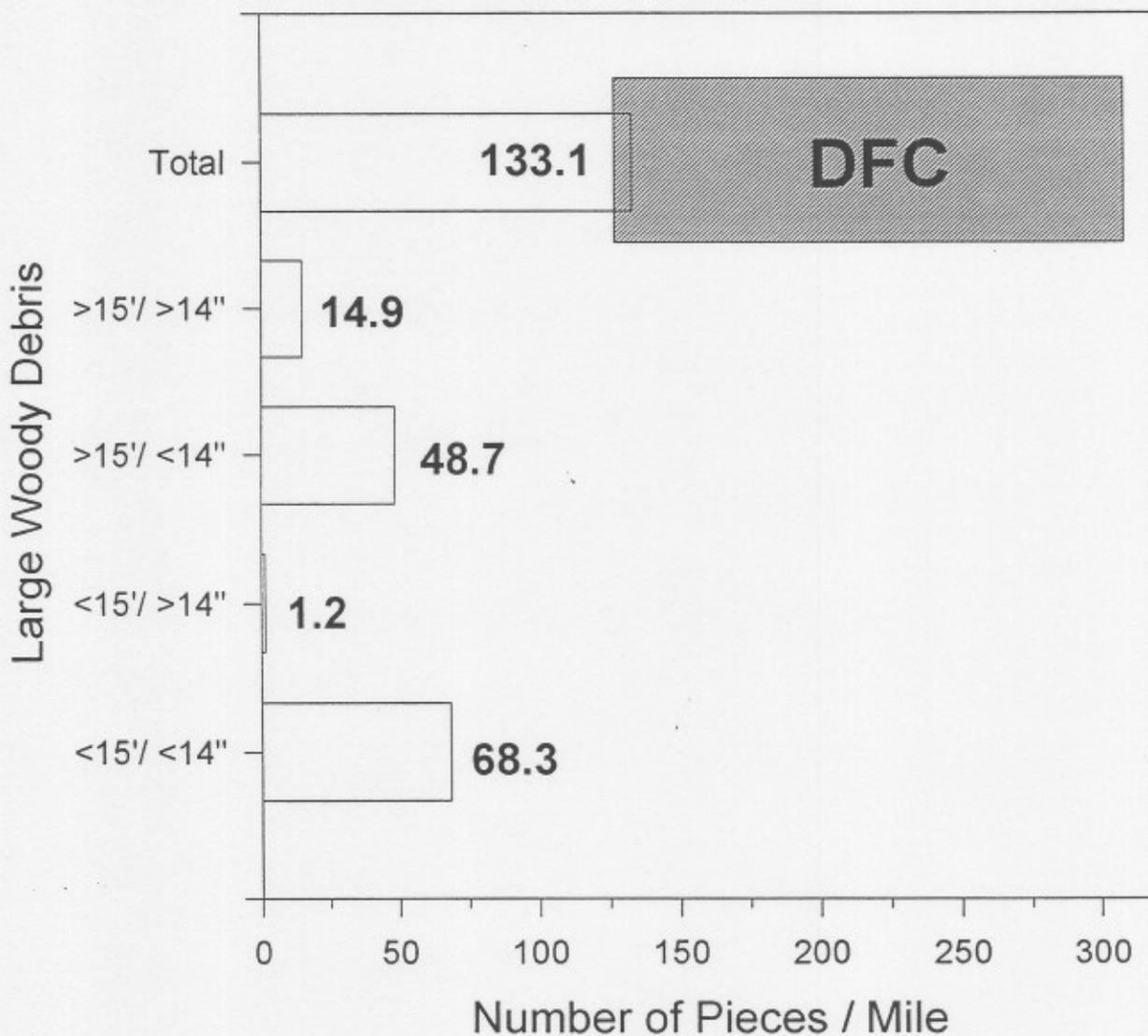
Minimum Riparian Width (Total): 28.8'

Snow Creek

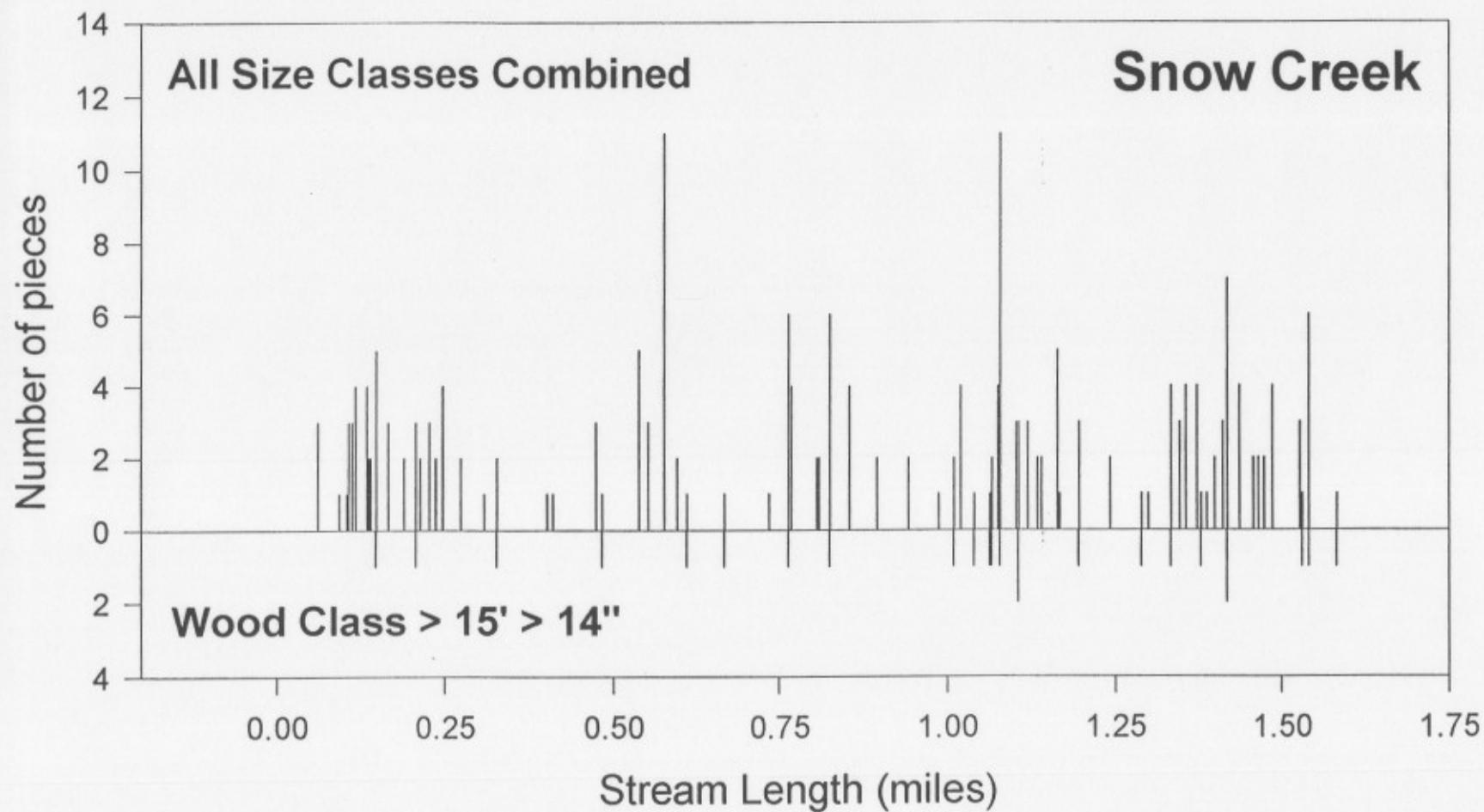
DFC: 30 - 70% of the Total Stream Area
in Pool Habitat



Snow Creek



Large Woody Debris Distribution



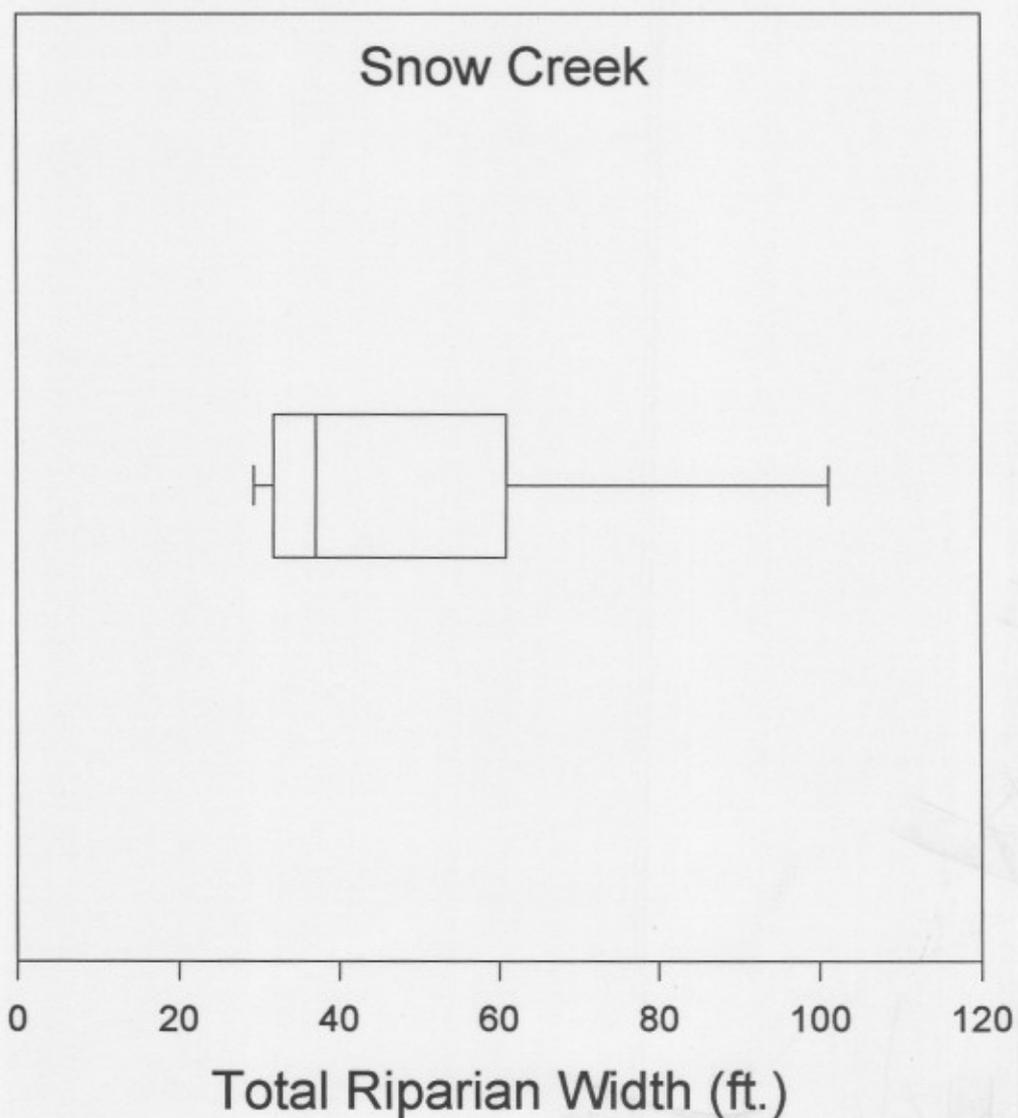
Riparian Width

Stream: Snow Creek

Number of measurements: 7

Mean width: 49.8 Std Dev: 29.4

Max: 109.6 Min: 28.8



Box plot of total riparian width. The box encloses the middle 50% of the observations, the bar in the center of the box represents the median, and the capped lines extending above and below the box represent the 90% and 10% quantiles.