

Table 5: 2002 Subbasin summary statistics for selected parameters by Rosgen channel type in the Church Creek subbasin. Bolded parameters are depicted graphically in relationship to selected habitat condition criteria.

Subbasin		Church Creek			
	Rosgen channel type	A	C	E	X
Channel	Channel gradient range (%)	4-10	<2	<2	<2
	Surveyed length (km)	0.3	3.9	0.0	0.0
	Total channel length (km)	0.7	15.3	3.4	3.6
	Mean bankfull width, CW (m)	2.7	5.3		
	Mean pool frequency (pools/km)	72	33		
	Standard dev. of pool freq. (pools/km)	27	13		
	Mean pool frequency (pools/CW)	0.19	0.18		
	Standard dev. of pool freq. (pools/CW)	0.07	0.10		
Pools	Mean functional pool area (m ²)	14.2	20.4		
	Standard dev. of functional pool area	1.8	6.8		
	Mean wetted pool surface area (%)	57.6	41.4		
	Standard dev. of pool surface area (%)	8.1	19.5		
	Mean secondary channel area (%)	22.3	7.4		
	Mean LWD frequency (pieces/km)	0	6		
	Mean woody debris freq. (pieces/km), all wood	130	98		
	Mean LWD frequency (pieces/CW)	0.00	0.04		
	Standard dev. of LWD freq. (pieces/CW)	0.00	0.04		
Wood	Mean LWD and Stump freq. (pieces/CW)	0.00	0.08		
	Mean woody debris freq. (pieces/CW)	0.35	0.57		
	Standard dev. of woody debris freq. (pieces/CW)	0.19	0.44		
	Conifer LWD (%), pooled value *		34.3		
	Decay Class New (%)*		23.6		
	Decay Class Intermediate (%)*		40.0		
	Decay Class Old (%)*		36.4		
Instability	Mean streambank instability (%)	0.0	1.7		
	Standard dev. of instability (%)	0.0	6.1		
	Mean bank hydromodifications (%)	0.0	0.1		
	Standard dev. of hydromodifications (%)	0.0	0.6		
Sediment	Mean surface fine sediment (% <6.3 mm)	24	11		
	Standard deviation of surface fine sediment (%)	14	5		

* Pooled values are calculated from all unit reaches sampled within each Rosgen channel type.

Table 6: 2002 Subbasin summary statistics for selected parameters by Rosgen channel type in the May Creek subbasin. Bolded parameters are depicted graphically in relationship to selected habitat condition criteria.

Subbasin		May Creek			
Channel	Rosgen channel type	Aa+	A	B	C
	Channel gradient range (%)	>10	4-10	2-4	<2
	Surveyed length (km)		2.0	1.5	4.1
	Total channel length (km)		3.9	2.9	12.3
	Mean bankfull width, CW (m)		13.0	11.8	25.3
Mean pool frequency (pools/km)			24	26	11
Pools	Standard dev. of pool freq. (pools/km)		21	7	11
	Mean pool frequency (pools/CW)		0.30	0.31	0.22
	Standard dev. of pool freq. (pools/CW)		0.23	0.08	0.09
	Mean functional pool area (m ²)		18.1	57.6	852.6
	Standard dev. of functional pool area		7.3	18.2	704.0
	Mean wetted pool surface area (%)		20.4	49.0	62.2
	Standard dev. of pool surface area (%)		15.7	21.0	21.1
	Mean secondary channel area (%)		2.7	0.0	1.0
Wood	Mean LWD frequency (pieces/km)		15	10	11
	Mean woody debris freq. (pieces/km), all wood		146	123	62
	Mean LWD frequency (pieces/CW)		0.18	0.12	0.24
	Standard dev. of LWD freq. (pieces/CW)		0.15	0.12	0.16
	Mean LWD and Stump freq. (pieces/CW)		0.39	0.17	0.36
	Mean woody debris freq. (pieces/CW)		1.80	1.46	1.39
	Standard dev. of woody debris freq. (pieces/CW)		0.98	1.15	0.69
	Conifer LWD (%), pooled value *		20.8	0.0	15.4
	Decay Class New (%)*		8.5	10.5	7.1
	Decay Class Intermediate (%)*		32.2	5.3	39.3
	Decay Class Old (%)*		59.3	84.2	53.6
Instability	Mean streambank instability (%)		0.4	1.5	1.7
	Standard dev. of instability (%)		0.8	2.9	2.4
	Mean bank hydromodifications (%)		0.0	2.0	2.7
Sediment	Standard dev. of hydromodifications (%)		0.0	4.0	6.1
	Mean surface fine sediment (% <6.3 mm)		2	4	7
	Standard deviation of surface fine sediment (%)		1	2	3

* Pooled values are calculated from all unit reaches sampled within each Rosgen channel type.

Table 7: 2002 Subbasin summary statistics for selected parameters by Rosgen channel type in the Tulalip subbasin. Bolded parameters are depicted graphically in relationship to selected habitat condition criteria.

Subbasin		Tulalip				
Rosgen channel type		A	B	C	F	G
Channel	Channel gradient range (%)	4-10	2-4	<2	<2	2-4
	Surveyed length (km)	0.1	1.0	2.8	0.0	0.0
	Total channel length (km)	2.2	7.3	14.3	1.2	0.2
	Mean bankfull width, CW (m)	2.7	3.3	4.9		
Mean pool frequency (pools/km)		24	9	28		
Pools	Standard dev. of pool freq. (pools/km)	13	10	30		
	Mean pool frequency (pools/CW)	0.07	0.04	0.13		
	Standard dev. of pool freq. (pools/CW)	0.05	0.04	0.11		
	Mean functional pool area (m ²)	5.0	3.6	57.9		
	Standard dev. of functional pool area	4.4	3.3	78.0		
	Mean wetted pool surface area (%)	21.2	3.8	34.7		
	Standard dev. of pool surface area (%)	24.0	3.5	30.3		
	Mean secondary channel area (%)	4.6	5.9	3.2		
Wood	Mean LWD frequency (pieces/km)	8	18	5		
	Mean woody debris freq. (pieces/km), all wood	85	131	103		
	Mean LWD frequency (pieces/CW)	0.03	0.05	0.03		
	Standard dev. of LWD freq. (pieces/CW)	0.04	0.06	0.04		
	Mean LWD and Stump freq. (pieces/CW)	0.03	0.08	0.05		
	Mean woody debris freq. (pieces/CW)	0.22	0.47	0.50		
	Standard dev. of woody debris freq. (pieces/CW)	0.04	0.36	0.46		
	Conifer LWD (%), pooled value *	0.0	46.7	23.1		
	Decay Class New (%)*	0.0	34.8	21.4		
	Decay Class Intermediate (%)*	100.0	30.4	25.0		
Decay Class Old (%)*	0.0	34.8	53.6			
Instability	Mean streambank instability (%)	0.0	1.0	2.2		
	Standard dev. of instability (%)	0.0	2.1	4.2		
	Mean bank hydromodifications (%)	0.0	0.0	1.3		
	Standard dev. of hydromodifications (%)	0.0	0.0	4.5		
Sediment	Mean surface fine sediment (% <6.3 mm)	84	58	44		
	Standard deviation of surface fine sediment (%)	12	26	23		

* Pooled values are calculated from all unit reaches sampled within each Rosgen channel type.

Table 8: 2000 and 2002 Subbasin summary statistics for selected parameters by Rosgen channel type in the Boulder River subbasin. Bolded parameters are depicted graphically in relationship to selected habitat condition criteria.

Subbasin		Boulder River				
Year		2002 only		2000, 2002 Combined		
Channel	Rosgen channel type	B	C	A	B	C
	Channel gradient range (%)	2-4	<2	4-10	2-4	<2
	Surveyed length (km)	0.8	0.7	0.9	2.7	1.9
	Total channel length (km)	11.9	4.8	5.6	11.9	4.8
	Mean bankfull width, CW (m)	15.8	25.8	22.1	17.0	28.7
Mean pool frequency (pools/km)		40	12	12	12	4
Pools [†]	Standard dev. of pool freq. (pools/km)	51	~	~	10	4
	Mean pool frequency (pools/CW)	0.24	0.32	0.26	0.15	0.10
	Standard dev. of pool freq. (pools/CW)	0.17	~	~	0.16	0.10
	Mean functional pool area (m ²)	36.5	144.1	170.3	132.2	152.4
	Standard dev. of functional pool area	49.0	~	~	117.9	11.7
	Mean wetted pool surface area (%)	15.4	35.5	25.4	19.5	10.6
	Standard dev. of pool surface area (%)	15.2	~	~	24.6	13.4
	Mean secondary channel area (%)	4	0	0	1	8
Wood	Mean LWD frequency (pieces/km)	23	23	31	21	59
	Mean woody debris freq. (pieces/km), all wood	214	184	NA [*]	NA	NA
	Mean LWD frequency (pieces/CW)	0.43	0.60	0.69	0.39	1.79
	Standard dev. of LWD freq. (pieces/CW)	0.49	~	~	0.36	1.69
	Mean LWD and Stump freq. (pieces/CW)	0.51	0.98	1.16	0.62	2.51
	Mean woody debris freq. (pieces/CW)	2.01	4.74	NA	NA	NA
	Standard dev. of woody debris freq. (pieces/CW)	0.57	~	NA	NA	NA
	Conifer LWD (%), pooled value *	8.0	92.9	100.0	23.1	38.8
	Decay Class New (%)*	53.8	10.7	13.3	48.1	37.0
	Decay Class Intermediate (%)*	42.3	39.3	43.3	36.4	37.7
Decay Class Old (%)*	3.8	50.0	43.3	15.6	25.4	
Instability [§]	Mean streambank instability (%)	0.0	0.0	3.0	0.7	9.2
	Standard dev. of instability (%)	0.0	~	~	1.4	12.9
	Mean bank hydromodifications (%)	0.0	0.0	NA	NA	NA
Sediment	Standard dev. of hydromodifications (%)	0.0	0.0	NA	NA	NA
	Mean surface fine sediment (% <6.3 mm)	11	7	5	9	5
	Standard deviation of surface fine sediment (%)	3	~	~	3	2

* Pooled values are calculated from all unit reaches sampled within each Rosgen channel type.