

Harmon Barranca

Columns		nb				n1				n2			n3			n4				n5			n					
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5					
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	0.100	1.000		1.150	1.300			
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting		Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22		Appreciable 1.2 to 1.52	Severe 1.52+			
	SCR to the Railroad Crossing		0.025					0.010			0.005		0.000				0.005							1.000			0.045	
	Railroad Crossing ~ Highway 126	0.020						0.010			0.005		0.000					0.010							1.120			0.050
	Highway 126 ~ Foothill Road	0.020						0.010			0.005		0.000					0.010							1.120			0.050
	Upstream of Foothill Road	0.020						0.010			0.005		0.000					0.010							1.120			0.050

OVERBANKS RIGHT West

Columns		nb				n1				n2			n3			n4				n5			n						
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5						
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	0.100	1.000		1.150	1.300				
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting		Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22		Appreciable 1.2 to 1.52	Severe 1.52+				
	SCR to the Railroad Crossing (Urban)																											0.130	
	Railroad Crossing ~ Highway 126 (Medium residential)																												0.130
	Highway 126 ~ Foothill Road (Medium tree coverage)																												0.090
	Upstream of Foothill Road (Medium tree coverage)																												0.090

OVERBANKS LEFT East

Columns		nb				n1				n2			n3			n4				n5			n						
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5						
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	0.100	1.000		1.150	1.300				
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting		Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22		Appreciable 1.2 to 1.52	Severe 1.52+				
	SCR to the Railroad Crossing (Medium farm land)																												0.060
	Railroad Crossing ~ Highway 126 (Residential & farm land)																												0.100
	Highway 126 ~ Foothill Road (Medium residential)																												0.130
	Upstream of Foothill Road (Medium tree coverage)																												0.090

 : Not calculated from Cowan's method

Clark Barranca

Columns		nb				n1				n2			n3			n4				n5			n			
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.015	0.020	0.040	0.005	0.010	0.025	0.050	0.100	1.000	1.150		1.300		
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
	SCR confluence ~ North Bank Drive	0.020					0.005				0.005				0.010				0.005				1.000			0.045
	North Bank Drive ~ Highway 126	0.015				0.000				0.000				0.000					0.000				1.000			0.015
	Highway 126 ~ Telegraph Road	0.015				0.000				0.000				0.000					0.000				1.000			0.015
	Telegraph Road ~ Foothill Road	0.015				0.000				0.000				0.000					0.000				1.000			0.015
	Upstream of Foothill	0.020					0.005				0.005			0.000					0.005				1.000			0.035

OVERBANKS RIGHT West

Columns		nb				n1				n2			n3			n4				n5			n			
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.015	0.020	0.040	0.005	0.010	0.025	0.050	0.100	1.000	1.150		1.300		
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
	SCR confluence ~ North Bank Drive (Medium residential)																									0.130
	North Bank Drive ~ Highway 127 (Medium residential)																									0.130
	Highway 126 ~ Telegraph Road (Medium residential)																									0.130
	Telegraph Road ~ Foothill Road (Medium residential)																									0.130
	Upstream of Foothill (Medium residential)																									0.130

OVERBANKS LEFT East

Columns		nb				n1				n2			n3			n4				n5			n			
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.015	0.020	0.040	0.005	0.010	0.025	0.050	0.100	1.000	1.150		1.300		
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
	SCR confluence ~ North Bank Drive (Medium residential)																									0.130
	North Bank Drive ~ Highway 127 (Medium residential)																									0.130
	Highway 126 ~ Telegraph Road (Medium residential)																									0.130
	Telegraph Road ~ Foothill Road (Medium Tree cover & residential)																									0.100
	Upstream of Foothill (Medium tree coverage)																									0.090

 : Not calculated from Cowan's method

Sudden Barranca

Columns		nb				n1				n2			n3			n4				n5			n			
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300		
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
	SCR confluence ~ Railroad	0.020									0.005					0.010							1.000			0.050
	Railroad ~ Darling Road	0.015				0.000										0.000							1.000			0.015
	Darling Road ~ US study limit	0.015				0.000										0.000							1.000			0.015

OVERBANKS RIGHT West

Columns		nb				n1				n2			n3			n4				n5			n			
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300		
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
	SCR confluence ~ Railroad (Medium residential)																									0.130
	Railroad ~ Darling Road (Medium residential)																									0.130
	Darling Road ~ US study limit (Medium residential)																									0.090

OVERBANKS LEFT East

Columns		nb				n1				n2			n3			n4				n5			n			
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300		
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
	SCR confluence ~ Railroad (Medium residential)																									0.130
	Railroad ~ Darling Road (Medium residential)																									0.130
	Darling Road ~ US study limit (Medium tree coverage)																									0.090

 : Not calculated from Cowan's method

Brown Barranca

Columns	nb				n1				n2				n3				n4				n5			n
Classification	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section				Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5
	Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+		
SCR confluence ~ Henderson Road	0.020						0.010			0.005			0.000				0.005				1.000			0.040
Henderson Road ~ Blackburn Road	0.015				0.000					0.000			0.000				0.000				1.000			0.015
Blackburn Road ~ US study boundary	0.020						0.010			0.005			0.000				0.010					1.150		0.052

OVERBANKS RIGHT West

Columns	nb				n1				n2				n3				n4				n5			n
Classification	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section				Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5
	Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+		
SCR confluence ~ Henderson Road (Urban & farm land)																								0.100
Henderson Road ~ Blackburn Road (Residential & farm land)																								0.100
Blackburn Road ~ US study boundary (Medium tree coverage)																								0.090

OVERBANKS LEFT East

Columns	nb				n1				n2				n3				n4				n5			n
Classification	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section				Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5
	Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+		
SCR confluence ~ Henderson Road (Urban & farm land)																								0.100
Henderson Road ~ Blackburn Road (Residential & farm land)																								0.100
Blackburn Road ~ US study boundary (Medium tree coverage)																								0.090

 : Not calculated from Cowan's method

Franklin Barranca

Columns		nb				n1				n2			n3			n4				n5			n			
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.015	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	0.100		1.000	1.150	1.300
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
	SCR confluence ~ Telegraph Road	0.015				0.000				0.000			0.000				0.000					1.000			0.015	
	Telegraph Road ~ Foothill Road	0.020						0.010			0.005		0.000				0.005					1.000			0.040	
	Foothill Road ~ US study boundary	0.020						0.010			0.005		0.000				0.005						1.150		0.046	

OVERBANKS Right West

Columns		nb				n1				n2			n3			n4				n5			n			
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.015	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	0.100		1.000	1.150	1.300
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
	SCR confluence ~ Telegraph Road (Residential and farm land)																								0.100	
	Telegraph Road ~ Foothill Road (Medium tree coverage and farm land)																									0.075
	Foothill Road ~ US study boundary (Medium tree coverage and farm land)																									0.075

OVERBANKS Left East

Columns		nb				n1				n2			n3			n4				n5			n			
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.015	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	0.100		1.000	1.150	1.300
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
	SCR confluence ~ Telegraph Road (Medium tree coverage and farm land)																									0.075
	Telegraph Road ~ Foothill Road (Medium tree coverage and farm land)																									0.075
	Foothill Road ~ US study boundary (Medium tree coverage and farm land)																									0.075

 : Not calculated from Cowan's method

Ellsworth Barranc

Columns	nb				n1				n2			n3			n4				n5			n			
Classification	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
																							0.020	0.025	0.024
	Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
SCR confluence ~ Foothill Road	0.020					0.005					0.005		0.000				0.010						1.150		0.046
Foothill Road ~ US study boundary	0.020					0.005					0.005		0.000				0.010						1.150		0.046

OVERBANKS Right West

Columns	nb				n1				n2			n3			n4				n5			n			
Classification	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
																							0.020	0.025	0.024
	Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
SCR confluence ~ Foothill Road (Medium Farming land)																									0.060
Foothill Road ~ US study boundary (Medium tree coverage and farm land)																									0.075

OVERBANKS Left East

Columns	nb				n1				n2			n3			n4				n5			n			
Classification	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
																							0.020	0.025	0.024
	Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
SCR confluence ~ Foothill Road (Medium Farming land)																									0.060
Foothill Road ~ US study boundary (Medium tree coverage and farm land)																									0.075

 : Not calculated from Cowan's method

Todd Barranca

Columns	nb				n1				n2			n3				n4				n5			n			
Classification	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
																								0.020	0.025	0.024
	Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+				
SCR confluence ~ Foothill Road	0.020						0.010			0.005				0.000					0.010				1.150			0.052
Foothill Road ~ US study boundary	0.020						0.010			0.005				0.000					0.010				1.150			0.052

OVERBANKS Right West

Columns	nb				n1				n2			n3				n4				n5			n			
Classification	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
																								0.020	0.025	0.024
	Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+				
SCR confluence ~ Foothill Road (Medium Farm land)																										0.075
Foothill Road ~ US study boundary (Medium tree coverage and farm land)																										0.075

OVERBANKS Left East

Columns	nb				n1				n2			n3				n4				n5			n			
Classification	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
																								0.020	0.025	0.024
	Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+				
SCR confluence ~ Foothill Road (Medium Farm land)																										0.075
Foothill Road ~ US study boundary (Medium tree coverage and farm land)																										0.075

 : Not calculated from Cowan's method

Briggs Road Drain

Columns		nb				n1				n2			n3			n4				n5			n	
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	SCR confluence ~ Shell Road	0.020						0.010			0.005					0.005				1.000			0.040	
	Shell Road ~ Highway 126	0.020					0.005				0.005					0.005				1.000			0.035	
	Highway 126 ~ Santa Paula Street	0.020						0.010			0.005					0.010				1.000			0.045	

OVERBANKS Right West

Columns		nb				n1				n2			n3			n4				n5			n	
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	SCR confluence ~ Shell Road (Residential and farmland)																						0.100	
	Shell Road ~ Highway 126 (Medium tree coverage and farm land and residential)																						0.075	
	Highway 126 ~ Santa Paula Street (Medium tree coverage and farm land and residential)																						0.075	

OVERBANKS Left East

Columns		nb				n1				n2			n3			n4				n5			n	
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	SCR confluence ~ Shell Road (Medium tree coverage and farm land and residential)																						0.075	
	Shell Road ~ Highway 126 (Medium tree coverage and farm land and residential)																						0.075	
	Highway 126 ~ Santa Paula Street (Medium tree coverage and farm land and residential)																						0.075	

 : Not calculated from Cowan's method

Haines Barranca

Columns		nb				n1				n2			n3			n4				n5			n	
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	SCR confluence ~ Railroad	0.020						0.010			0.005		0.000				0.005				1.000			0.040
	SCR confluence ~ Railroad	0.020						0.010			0.005		0.000				0.005				1.000			0.040

OVERBANKS West Right

Columns		nb				n1				n2			n3			n4				n5			n	
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	SCR confluence ~ Railroad (Medium farm land, residential and tree coverage)																							0.075
	Railroad ~ US study boundary (Medium farm land, residential and tree coverage)																							0.075

OVERBANKS Left East

Columns		nb				n1				n2			n3			n4				n5			n	
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	SCR confluence ~ Railroad (Medium farm land, residential and tree coverage)																							0.075
	Railroad ~ US study boundary (Medium farm land, residential and tree coverage)																							0.075

 : Not calculated from Cowan's method

Adams Barranca

Columns		nb				n1				n2			n3			n4				n5			n		
Classification	Description of Reach, Station, or section	Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	SCR confluence ~ Todd Lane																							0.035	
	Todd Lane ~ Telegraph Road																								0.040
	Telegraph road ~ US study boundary (5.4 miles US of Foothill Road)																								0.046

OVERBANKS Right West

Columns		nb				n1				n2			n3			n4				n5			n		
Classification	Description of Reach, Station, or section	Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	SCR confluence ~ Todd Lane (Medium farm land, residential and tree coverage)																								0.075
	Todd Lane ~ Telegraph Road (Medium farm land, residential and tree coverage)																								0.075
	Telegraph road ~ US study boundary (5.4 miles US of Foothill Road) (Medium farm land, residential and tree coverage)																								0.075

OVERBANKS Left East

Columns		nb				n1				n2			n3			n4				n5			n		
Classification	Description of Reach, Station, or section	Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	SCR confluence ~ Todd Lane (Medium farm land, residential and tree coverage)																								0.075
	Todd Lane ~ Telegraph Road (Medium farm land, residential and tree coverage)																								0.075
	Telegraph road ~ US study boundary (5.4 miles US of Foothill Road) (Medium farm land, residential and tree coverage)																								0.075

 : Not calculated from Cowan's method

Peck Road Drain

Columns		nb				n1				n2			n3				n4				n5			n		
Classification	Description of Reach, Station, or section	Cross	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	0.050	1.000	1.150		1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+		
	SCR confluence ~ Todd Lane		0.015			0.000				0.000			0.000			0.000				1.000			0.015			
	Todd Lane ~ Fillmore Street		0.015			0.000				0.000			0.000			0.000				1.000			0.015			
	Fillmore Street ~ Foothill Road		0.020						0.005			0.005			0.000					1.000			0.030			

OVERBANKS West Right

Columns		nb				n1				n2			n3				n4				n5			n		
Classification	Description of Reach, Station, or section	Cross	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	0.100	1.000	1.150		1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+		
	SCR confluence ~ Todd Lane (Medium farm land and grazing land)																						0.060			
	Todd Lane ~ Fillmore Street (Urban and farm land)																						0.095			
	Fillmore Street ~ Foothill Road (Medium tree coverage and farm land and residential)																						0.075			

OVERBANKS Left East

Columns		nb				n1				n2			n3				n4				n5			n		
Classification	Description of Reach, Station, or section	Cross	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	0.100	1.000	1.150		1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+		
	SCR confluence ~ Todd Lane (Medium farm land and grazing land)																						0.060			
	Todd Lane ~ Fillmore Street (Medium residential)																						0.130			
	Fillmore Street ~ Foothill Road (Medium residential)																						0.130			

 : Not calculated from Cowan's method

Fagan Canyon

Columns		nb				n1				n2			n3			n4				n5			n	
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	SCR confluence ~ Long Culvert	0.015				0.000				0.000			0.000			0.000				1.000			0.015	
	Long Culvert ~ Santa Paula Street	0.020					0.005				0.005		0.000			0.005				1.000			0.035	
	Santa Paula Street ~ US study boundary (3.1 miles US of Santa Paula Road)	0.020					0.005				0.005		0.000			0.010					1.200		0.048	

OVERBANKS Right West

Columns		nb				n1				n2			n3			n4				n5			n	
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	SCR confluence ~Long culvert (Medium Residential)																						0.130	
	Long culvert ~ Santa Paula Street (Medium Residential)																						0.130	
	Santa Paula Street ~ US study boundary (3.1 miles US of Santa Paula Road) (Medium tree coverage and moutians)																						0.075	

OVERBANKS Left East

Columns		nb				n1				n2			n3			n4				n5			n	
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	SCR confluence ~ Long culvert (Medium Residential)																						0.130	
	Long culvert ~ Santa Paula Street (Medium Residential)																						0.130	
	Santa Paula Street ~ US study boundary (3.1 miles US of Santa Paula Road) (Medium Residential, moutians and medium tree coverage)																						0.080	

 : Not calculated from Cowan's method

Santa Paula Creek

Columns		nb				n1				n2			n3			n4				n5			n				
Classification	Description of Reach, Station, or section	Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.015	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	0.100		1.000	1.150	1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
	SCR confluence ~ Highway 126		0.020																							0.035	
	Highway 126 ~ about 1 mile US of railroad bridge			0.025																						0.030	
	about 1 mile US of railroad bridge ~ Bridge Road		0.020																						1.200	0.042	
	Bridge Road ~ US study boundary		0.020						0.010																1.200	0.048	

OVERBANKS Right West

Columns		nb				n1				n2			n3			n4				n5			n				
Classification	Description of Reach, Station, or section	Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.015	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	0.100		1.000	1.150	1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
	SCR confluence ~ Highway 126 (Plain land and little urban) (Medium residential)																									0.055	
	Highway 126 ~ about 1 mile US of railroad bridge (Medium residential)																									0.130	
	about 1 mile US of railroad bridge ~ Bridge Road (Medium residential)																									0.130	
	Bridge Road ~ US study boundary (Medium tree coverage, residential and mountains)																									0.090	

OVERBANKS Left East

Columns		nb				n1				n2			n3			n4				n5			n				
Classification	Description of Reach, Station, or section	Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.015	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	0.100		1.000	1.150	1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
	SCR confluence ~ Highway 126 (Industrial land and plain land)																									0.055	
	Highway 126 ~ about 1 mile US of railroad bridge (Medium tree coverage and residential)																									0.085	
	about 1 mile US of railroad bridge ~ Bridge Road (Medium tree coverage and farming land)																									0.075	
	Bridge Road ~ US study boundary (Medium tree coverage, farming land and mountains)																									0.075	

Not calculated from Cowan's method

Timber Canyon

Columns		nb				n1				n2			n3			n4				n5			n					
Classification	Description of Reach, Station, or section	Cross-	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5				
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300			
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+			
	SCR confluence ~ Railroad		0.020										0.005											1.000				0.050
	Railroad ~ Highway 126		0.020										0.005														1.150	0.058
	Highway 126 ~ US study boundary		0.020										0.010														1.150	0.043

OVERBANKS Right West

Columns		nb				n1				n2			n3			n4				n5			n						
Classification	Description of Reach, Station, or section	Cross-	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5					
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300				
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+				
	SCR confluence ~ Railroad (Medium tree coverage and farm land)																												0.065
	Railroad ~ Highway 126 (Medium tree coverage and farm land)																												0.065
	Highway 126 ~ US study boundary (Medium tree coverage and farm land)																												0.065

OVERBANKS Left East

Columns		nb				n1				n2			n3			n4				n5			n						
Classification	Description of Reach, Station, or section	Cross-	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5					
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300				
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+				
	SCR confluence ~ Railroad (Medium tree coverage and farm land)																												0.065
	Railroad ~ Highway 126 (Medium tree coverage and farm land)																												0.065
	Highway 126 ~ US study boundary (Medium tree coverage and farm land)																												0.065

 : Not calculated from Cowan's method

Balcolm Canyon Wash

Columns		nb				n1				n2			n3			n4				n5			n				
Classification	Description of Reach, Station, or section	Cross-	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.015	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000		1.150	1.300	
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
	Santa Clara River confluence to the pedestrian crossing		0.020							0.005				0.000										1.000			0.030
	Pedestrian crossing ~ South Mountain Road		0.020							0.005				0.000										1.000			0.030
	Upstream of South Mountain Road			0.025						0.005				0.000											1.150		0.040

OVERBANKS Right West

Columns		nb				n1				n2			n3			n4				n5			n				
Classification	Description of Reach, Station, or section	Cross-	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.015	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000		1.150	1.300	
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
	Santa Clara River confluence to the pedestrian crossing (Medium farm land)																										0.060
	Pedestrian crossing ~ South Mountain Road (Medium farm land)																										0.060
	Upstream of South Mountain Road (Medium tree coverage, farm land and																										0.075

OVERBANKS Left East

Columns		nb				n1				n2			n3			n4				n5			n				
Classification	Description of Reach, Station, or section	Cross-	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5			
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.015	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000		1.150	1.300	
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+		
	Santa Clara River confluence to the pedestrian crossing (Medium farm land)																										0.060
	Pedestrian crossing ~ South Mountain Road (Medium farm land)																										0.060
	Upstream of South Mountain Road (Medium tree coverage, farm land and moutians)																										0.075

 : Not calculated from Cowan's method

O'leary Creek

Columns		nb				n1				n2			n3			n4				n5			n		
Classification	Description of Reach, Station, or section	Cross-	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	Santa Clara River confluence to Highway 126							0.010			0.005		0.000					0.020					1.100		0.061
	Highway 126 ~ Hill Road			0.025				0.010			0.005		0.000					0.020					1.100		0.066
	Upstream of Hill Road		0.020					0.010			0.005		0.000					0.020			1.000				0.055

OVERBANKS Right West

Columns		nb				n1				n2			n3			n4				n5			n		
Classification	Description of Reach, Station, or section	Cross-	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	Santa Clara River confluence to Highway 126 (Farm land and tree coverage)																								0.065
	Highway 126 ~ Hill Road (Farm land and tree coverage)																								0.065
	Upstream of Hill Road (Farm land and tree coverage)																								0.065

OVERBANKS Left East

Columns		nb				n1				n2			n3			n4				n5			n		
Classification	Description of Reach, Station, or section	Cross-	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	Santa Clara River confluence to Highway 126 (Farm land and tree coverage)																								0.065
	Highway 126 ~ Hill Road (Farm land and tree coverage)																								0.065
	Upstream of Hill Road (Farm land and tree coverage)																								0.065

 : Not calculated from Cowan's method

Reimer Ditch

Columns		nb				n1				n2			n3				n4				n5			n
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150	1.300	
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+	
	Santa Clara River confluence to the unnamed service road Service Road 18B	0.020				0.000				0.000			0.000					0.020			1.000			0.040
	Upstream of the unnamed service road Service Road 18B		0.025			0.000				0.000			0.000				0.005				1.000			0.030

OVERBANKS Right West

Columns		nb				n1				n2			n3				n4				n5			n
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150	1.300	
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+	
	Santa Clara River confluence to the unnamed service road Service Road 18B (Farm land and tree coverage)																							0.065
	Upstream of the unnamed service road Service Road 18B (Farm land and tree coverage)																							0.065

OVERBANKS Left East

Columns		nb				n1				n2			n3				n4				n5			n
Classification	Description of Reach, Station, or Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5
		0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150	1.300	
		Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+	
	Santa Clara River confluence to the unnamed service road Service Road 18B (Farm land and tree coverage)																							0.065
	Upstream of the unnamed service road Service Road 18B (Farm land and tree coverage)																							0.065

 : Not calculated from Cowan's method

Bear Creek

Columns		nb				n1				n2			n3				n4				n5			n			
Classification	Description of Reach, Station, or section	Cross-	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5		
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.015	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	0.050	1.000		1.150	1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+			
	Santa Clara River confluence to Highway 126		0.020					0.010			0.005			0.010			0.010						1.000			0.055	
	Highway 126 ~ Railroad Bridge			0.025				0.010			0.005		0.000					0.020					1.000			0.060	
	Railroad Bridge ~ Sycamore Road			0.025				0.005			0.005		0.000					0.020					1.000			0.055	
	Upstream of Sycamore Road		0.020					0.005			0.005		0.000					0.020					1.000			0.050	

OVERBANKS Right West

Columns		nb				n1				n2			n3				n4				n5			n			
Classification	Description of Reach, Station, or section	Cross-	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5		
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.015	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	0.100	1.000		1.150	1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+			
	Santa Clara River confluence to Highway 126 (Plain land)																									0.060	
	Highway 126 ~ Railroad Bridge (Farm land and tree coverage)																									0.065	
	Railroad Bridge ~ Sycamore Road (Farm land and tree coverage)																									0.065	
	Upstream of Sycamore Road (Farm land and tree coverage)																									0.065	

OVERBANKS Left East

Columns		nb				n1				n2			n3				n4				n5			n			
Classification	Description of Reach, Station, or section	Cross-	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5		
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.015	0.000	0.010	0.020	0.040	0.005	0.010	0.025	0.050	0.100	1.000		1.150	1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+			
	Santa Clara River confluence to Highway 126 (Plain land)																									0.060	
	Highway 126 ~ Railroad Bridge (Farm land and tree coverage)																									0.075	
	Railroad Bridge ~ Sycamore Road (Farm land and tree coverage)																									0.065	
	Upstream of Sycamore Road (Farm land and tree coverage)																									0.065	

 : Not calculated from Cowan's method

Fairview Road Drain

Columns		nb				n1				n2			n3			n4				n5			n		
Classification	Description of Reach, Station, or section	Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.005	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	Santa Clara River confluence to the Railroad bridge																							0.035	
	The Railroad bridge ~ Highway 126																							0.040	
	Upstream of Highway 126																							0.015	

OVERBANKS Right West

Columns		nb				n1				n2			n3			n4				n5			n		
Classification	Description of Reach, Station, or section	Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.005	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	Santa Clara River confluence to the Railroad bridge (Farm land and low tree coverage)																							0.065	
	The Railroad bridge ~ Highway 126 (Farm land and tree coverage)																							0.065	
	Upstream of Highway 126 (Farm land and tree coverage)																							0.065	

OVERBANKS Left East

Columns		nb				n1				n2			n3			n4				n5			n		
Classification	Description of Reach, Station, or section	Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions			Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010	0.005	0.010	0.020	0.040	0.005	0.010	0.025	0.050	1.000	1.150		1.300
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52		Severe 1.52+
	Santa Clara River confluence to the Railroad bridge (Farm land and low tree coverage)																							0.060	
	The Railroad bridge ~ Highway 126 (Farm land and tree coverage)																							0.065	
	Upstream of Highway 126 (Farm land and tree coverage)																							0.065	

 : Not calculated from Cowan's method

Real Canyon

Columns		nb				n1				n2			n3				n4				n5			n	
Classification	Description of Reach, Station, or section	Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010 0.015	0.000	0.010 0.015	0.020 0.030	0.040 0.060	0.005 0.010	0.010 0.025	0.025 0.050	0.050 0.100	1.000	1.150	1.300	
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+	
	Santa Clara River confluence to Howe Road					0.000				0.000			0.000			0.000					1.000			0.015	
	Howe Road ~ the Railroad					0.000				0.000			0.000			0.000					1.000			0.015	
	The Railroad ~ Camulos Street west branch		0.025							0.000			0.000			0.000					1.000			0.030	
	Upstream of Camulos Street west branch					0.000				0.000			0.000			0.000					1.000			0.015	
	the Railroad ~ Camulos Street east branch					0.000				0.000			0.000			0.000					1.000			0.015	
	Camulos Street ~ Center Street east branch		0.025							0.005		0.005	0.000			0.000					1.000			0.035	
	Upstream of Center Street east branch					0.000				0.000			0.000			0.000					1.000			0.015	

OVERBANKS Right West

Columns		nb				n1				n2			n3				n4				n5			n	
Classification	Description of Reach, Station, or section	Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010 0.015	0.000	0.010 0.015	0.020 0.030	0.040 0.060	0.005 0.010	0.010 0.025	0.025 0.050	0.050 0.100	1.000	1.150	1.300	
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+	
	Santa Clara River confluence to Howe Road (Farm land, tree coverage and residential)																							0.075	
	Howe Road ~ the Railroad (Farm land, tree coverage and residential)																							0.075	
	The Railroad ~ Camulos Street west branch (Farm land and tree coverage)																							0.070	
	Upstream of Camulos Street west branch (Farm land and tree coverage)																							0.070	
	the Railroad ~ Camulos Street east branch (Farm land and tree coverage)																							0.130	
	Camulos Street ~ Center Street east branch (Farm land and tree coverage)																							0.130	
	Upstream of Center Street east branch (Farm land and tree coverage)																							0.070	

OVERBANKS Left East

Columns		nb				n1				n2			n3				n4				n5			n	
Classification	Description of Reach, Station, or section	Cross-section	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5
			0.020	0.025	0.024	0.028	0.000	0.005	0.010	0.020	0.000	0.005	0.010 0.015	0.000	0.010 0.015	0.020 0.030	0.040 0.060	0.005 0.010	0.010 0.025	0.025 0.050	0.050 0.100	1.000	1.150	1.300	
			Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+	
	Santa Clara River confluence to Howe Road (Farm land, tree coverage and residential)																							0.075	
	Howe Road ~ the Railroad (Farm land, tree coverage and residential)																							0.075	
	The Railroad ~ Camulos Street west branch (Farm land and tree coverage)																							0.070	
	Upstream of Camulos Street west branch (Farm land and tree coverage)																							0.070	
	the Railroad ~ Camulos Street east branch (Medium residential)																							0.070	
	Camulos Street ~ Center Street east branch (Medium residential)																							0.070	
	Upstream of Center Street east branch (Medium residential)																							0.070	

█ : Not calculated from Cowan's method

Piru Creek

Columns	nb				n1				n2			n3				n4				n5			n	
Classification	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
																								0.020
	Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+		
SCR confluence ~ Highway 126	0.020					0.005				0.005			0.000				0.005				1.000			0.035
Highway 126 ~ US study boundary	0.020					0.005				0.005			0.000				0.005					1.200		0.042

OVERBANKS Right West

Columns	nb				n1				n2			n3				n4				n5			n	
Classification	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
																								0.020
	Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+		
SCR confluence ~ Highway 126 (Farm land and tree coverage)																								0.060
Highway 126 ~ US study boundary (Residential, farm land, tree coverage and mountains)																								0.070

OVERBANKS Left East

Columns	nb				n1				n2			n3				n4				n5			n	
Classification	Base "n"				Surface Irregularity				Variations in Size and Shape of Cross-section			Obstructions				Vegetation				Meandering			Total "n" (nb+n1+n2+n3+n4)*n5	
																								0.020
	Earth	Rock	Fine Gravel	Coarse Gravel	Smooth	Minor	Moderate	Severe	Straight Gradual	Occasional Shifting	Frequent Shifting	Negligible	Minor	Appreciable	Severe	Low	Medium	High	Very High	Minor 1.0 to 1.22	Appreciable 1.2 to 1.52	Severe 1.52+		
SCR confluence ~ Highway 126 (Farm land and low trees)																								0.055
Highway 126 ~ US study boundary (Mountians)																								0.070

 : Not calculated from Cowan's method