SITEID	REACH	LOCATIO	N EDGETYPE	LEVEE	MODTYPE	PURPOSE	OLD_NEW	WYR_PLACED	DOM_SIZ	E SUB_DOM_SI	RIP_TYPE	COMMENTS	RIPBUFF	LENGTH_M
20-19	Sk040	RB	non-hardened bank	none							mature		> 60 m	893.3839959130
20-20	Sk040	RB	bar	none							mature		> 60 m	195.3807642870
20-21	Sk040	RB	non-hardened bank	none							mature		> 60 m	374.5971865840
20-22	Sk040	RB	bar	none							mature		> 60 m	34.7477337125
20-23	Sk040	RB	non-hardened bank	none							mature		> 60 m	341.0757702050
20-24	Sk040	RB	bar	none							mature		> 60 m	53.3387912558
20-25	Sk040	RB	hardened bank	none	riprap/bridge pier		old	pre 1990	>2'		mature	bridge pier at top of section	> 60 m	29.2606498404
20-4	Sk040	LB	hardened bank	none	riprap		old	post 1990	>2'		mature		5 to 20 m	1537.1365518800
20-5	Sk040	I B	hardened bank	none	riprap/rubble		new	pre 1990	>2'		mature	rubble is cement slabs	5 to 20 m	192.6378815740
20-6	Sk040	IB	hardened bank	none	riprap/rubble		old	post 1990	>2'		mature		> 60 m	178.9161164010
20-0	Sk040		hardened bank				old	post 1990	>2		mature	Finder eleration of exercise	5 to 20 m	360.2725022390
SK050-1	Skdelta		hardened bank	none	riprap/rubble	protects bridge, cabins, Sedro Woolley	old/new	pre 1990/post 199	22	sand	mature	bridge pier at top of section 3 old groins, cement slabs & blocks & logs cabled together, old appliances, new riprap at Steelhead Club ramp, grass/cotton/shrub/alder around houses and cabin	5 to 40 m	1868.3725173800
SK050-2	Skdelta		hardened bank	none	riprap/rubble/groins	protects fishing camps (?)	old	pre 1990	> 2'	sand	mature	located by Tarheel hole, alders(12-16")	20 to 40 m	244.4490510760
SK060A-1	SK060A				riprap		old	pre 1990	> 2'	silt/sand			< 5 m	
			hardened bank	adjacent		protects farmland		ŕ		siit/sand	mature	located in Skiyou SI, RB of slough has riprap, LB does not		555.9208281480
SK060A-10			hardened bank	none	riprap	protects farmland/woods	old	pre 1990	> 2'		immature		> 60 m	295.4585814660
SK060A-11			hardened bank	none	riprap	protects farmland	new	post 1990	> 2'		immature	riprap is at point only	5 to 20 m	21.6880849239
SK060A-12			hardened bank	none	riprap/rubble	protects farmland	old/new	pre 1990/post 199	90 > 2'		immature	debris incl car bodies & cement slabs, new riprap at dwnstrm edge at pt, old riprap & pilings w/ LOD along upper section, culvert w/ flapper valve	< 5 m	785.5235879990
SK060A-13			hardened bank	none	riprap	protects farmland	old	pre 1990	> 2'	6"	mature	along Casbab SI.	5 to 20 m	274.2408850280
SK060A-14	SK060A	LB	hardened bank	none	riprap	protects farmland	old	pre 1990	> 2'	-	open	80m up from the lower end - the riprap is breached/washed out, new LOD jam has formed along the bank at washout	none	369.6945139650
SK060A-15	SK060A	RB	hardened bank	none	riprap/groin	protects town of Lyman	old/new	pre 1990/post 199	90 > 2'	1-2'	open	5 groins in the new section at lower end, top end is old riprap, vegatation is only along old riprap	none	612.4618042190
SK060A-16	SK060A	RB	hardened bank	none	rubble	protects field	old	pre 1990			immature	debris is cement slabs, section is 50' long	5 to 20 m	54.4320819143
SK060A-17	SK060A	RB	hardened bank	none	riprap	protects road and field	new	post 1990	> 2'		immature	vegatation is on top of bank only, small alders are backset from the bank	5 to 20 m	1169.0417293400
SK060A-18	SK060A	RB	hardened bank	none	riprap	protects private land	old	pre 1990	> 2'	sand	mature	located behind island/bar area, old side channel along road w/ lots of LOD but no riprap seen along the side channel, only along edge of mainstem	> 60 m	156.8949727340
SK060A-19	SK060A	RB	hardened bank	none	riprap/rubble	protects Sedro Woolley	old	pre 1990	> 2'	sand	mature	rubble incl cement slabs, blocks & logs cabled together, old appliances, culvert enters riv just below mouth of Hansen Cr, grass/cotton/shrub/alder	5 to 40 m	1806.0265797800
SK060A-2	SK060A	LB	hardened bank	none	riprap	protects So. Skagit Hwy	old	pre 1990	> 2'	6-8'	mature	lower end bedrock w/ slump, riprap continues upriver into side channel along hwy which is 80m inland from river's edge, alders(16-20")/grasses and a few evergr	> 60 m	867.4192438040
SK060A-20	SK060A	LB	hardened bank	none	riprap	protects So.Skagit Hwy	old	pre 1990	> 2'	sand	mature	starts above the houses and continues up past reach break, there is a section of bedrock at the pipeline crossing, grasses/alders(to 14*)	> 60 m	1294.8820752800
SK060A-3	SK060A	LB	hardened bank	none	riprap	protects So. Skagit Hwy	old	pre 1990	> 2'	6-8'	mature	alders(16-20*)/grasses and a few evergreens	> 60 m	425.7467987130
SK060A-4	SK060A	LB	hardened bank	none	riprap	unknown	old	pre 1990	> 2'	6-8'	mature	riprap is at the point, downstream side of small side channel	> 60 m	41.3254711478
SK060A-5	SK060A	RB	hardened bank	none	riprap	protects wooded land	new	post 1990	> 2'	1'	mature	deflector?, upstream side is eroded away so that the riprap rock extends 40m into the river, there's a sandy high bank at top edge of the piece of riprap	> 60 m	37.2267789277
SK060A-6	SK060A		hardened bank	none	riprap	protects a farm road that connects 2 pastures	new	post 1990	> 2'		mature	located at mouth of sm slough, at road crossing is 3' dia cement culvert, at this flow culvert is 4' above the water level of river, house is located on RB sid	> 60 m	54.8774013818
SK060A-7	SK060A		hardened bank	none	riprap	protects farmland	old/new	pre 1990/post 19	90 > 2'		immature	new riprap located at downstream corner, goes to old riprap then very old riprap with heavy veg, only a few pieces of rock exposed along this slough	> 60 m	413.0424374450
SK060A-8	SK060A		hardened bank	none	riprap	protects houses and road	old/new	pre 1990/post 19		0.5-1'	immature	ueu uhah serang ar gemerikani kereng ang uhah ang terti an uhah marupat jugi ang a ka hakakan pangakan ang ang	5 to 20 m	788.5962732360
SK060A-9	SK060A		hardened bank	none	riprap	protects farmland	old/new	pre 1990/post 19		1'	immature	evidence of a recent wash-out, seen by slump, upstream edge of riparian is only 5m wide, downstream edge is 20m	5 to 20 m	316.3821204080
SK060B-1	SK060B		hardened bank	none	riprap/debris	protects farmland	old	pre 1990	> 2'	sand	open	evidence or a recent washrout, seen by siump, upsneam euge or manan is only on wide, downsneam euge is 20m	none	219.7339176090
SK060B-10			hardened bank			unknown	old	pre 1990		Sanu	mature	19 inch die nillege gete en flou defeater	> 60 m	88.0786951270
				none	pilings/jetty				01			18 inch dia pilings, acts as flow deflector		
SK060B-11			hardened bank	none		protects road	010	pre 1990	< 2		immature	starts at slough, interspersed w/ areas of bedrock, lower protects bank	5 to 20 m	272.4747680080
SK060B-2	SK060B		hardened bank	none	riprap/debris	protects cabins	old/new	pre 1990/post 199			mature	new riprap is in 4 sections, debris = tires, slabs & cinder blocks, these are not continuous, riparian stand is only at upstream end	20 to 40 m	411.2240211230
SK060B-3	SK060B		hardened bank	none	riprap	protects house	old	pre 1990	> 2'		mature	this is only a 50-75' section of riprap, riparian zone is scattered amongst the houses	> 60 m	62.9620488455
SK060B-4	SK060B		hardened bank	none	riprap/debris	protects cabins	old	pre 1990	> 2'	sand	mature	debris = cement slabs at the upper corner	> 60 m	69.8152230720
SK060B-5	SK060B	LB	hardened bank	none	riprap	protects summer trailer spot along So. Skagit Hwy	old	pre 1990	< 2'		mature	two step terrace of small rocks	> 60 m	50.1717898875
SK060B-6			hardened bank	none		protects So. Skagit Hwy	old/new	pre 1990/post 199		sand	mature	old riprap among high bank bedrock, new riprap covered w/ moss & sm alders along upper end below partial road slump & at @ connection of old Cumberland Cr chan	> 60 m	868.8611781170
SK060B-7			hardened bank	adjacent	riprap/groin	protects farmland & road	old/new	pre 1990/post 199	90 > 2'	1'	immature	2 step tier (riprap adj to levee) w/ new riprap along camp area, 3 groins dwnstrm end, ends upstrm at Muddy Cr, levee mostly adj except at mid corner = 20 to 4	< 5 m	1950.7182230100
SK060B-8			hardened bank	none	riprap	protects So. Skagit Hwy	old	pre 1990	> 2'	1-2'	mature	riprap to the outlet of old steelhead acclimation pond at Black Sl	> 60 m	1096.6844403800
SK060B-9	SK060B	RB	hardened bank	none	riprap	protects houses from Hamilton boat ramp to Alder Creek	old	pre 1990	> 2'		mature	protects houses and cabins from Hamilton boat ramp to Alder Creek, but washed out just above boat ramp, riparian zone has lots of houses in it	20 to 40 m	1925.7574712000
SK070A-1	SK070A	RB	hardened bank	none	riprap	protects road	old	pre 1990	< 2'	_	immature	starts at slough, interspersed w/ areas of bedrock to cable crossing, 2 step riprap, lower protects bank, upper protects houses, grass/bb/alder/cedar	5 to 20 m	954.5115333540
SK070B-1	SK070B	LB	hardened bank	none	riprap	protects So. Skagit Hwy	old	pre 1990	> 2'	rubble/sand	mature		> 60 m	652.1395662350
SK070B-2	SK070B	LB	hardened bank	none	riprap	protects So. Skagit Hwy	old/new	pre 1990/post 199	90 > 2'		mature	New, installed in 1996	< 5 m	686.0359967890
SK070B-3	SK070B	RB	hardened bank	none	riprap	protects Birdsview boat ramp	old	pre 1990	> 2'		mature		20 to 40 m	40.0832383312
SK070B-4	SK070B	RB	hardened bank	none	riprap	protects house & road, hard to see	old	pre 1990			mature		20 to 40 m	157.1977597510
SK080A-1	SK080A	LB	hardened bank	none	riprap	protects trailers at Cape Horn area	old	pre 1990	> 2'		mature	riparian zone has houses scattered in it	> 60 m	87.0481606243
SK080A-2			hardened bank	none	riprap/rubble	protects house	new	post 1990			mature	concrete slab placed at bottom of bank to protect house, about 70' wide, riparian zone has houses in it	> 60 m	32.3045894514
SK080A-3			hardened bank	none	riprap	protects road(?) or old railroad grade	old	pre 1990		sanded in	mature	starts across from Hause SI	20 to 40 m	930.7585639770
	SK080A		hardened bank	none	riprap/groin	protects house	new	post 1990	< 2'		mature	groin/deflector 20' wide, protects shacks seen at edge of woods	> 60 m	16.7809388283
SK080A-4			hardened bank	none	riprap	protects House	old	pre 1990	> 2'		immature	old riprap downstream side	5 to 20 m	140.3034690460
SK080C-1	SK080C		hardened bank		riprap	protects Hwy 20	old/new						5 to 20 m	420.2097591030
SK080C-1 SK080C-2				none			old	pre 1990/post 199	00 22		immature	new rock on east end, old riprap downstream side, ends at bedrock/boulder area		
3KU8UC-2			hardened bank	none		protects houses and road		pre 1990	0		mature	rubble and car bodies scattered in w/ riprap to Lorensen Creek, ends at bedrock/boulder field, cedar(2' dbh)/alder(16'dbh)	> 60 m	985.2427437220
01/0000 -					riprap	protects houses	old	pre 1990	> 2'	i i	mature	ends across from red house on RB, riparian zone is scattered trees	> 60 m	341.8637975120
SK080C-3				none	• •			100-	0.				07	
SK080C-3 SK080C-4 SK080C-5	SK080C	LB	hardened bank	none	riprap riprap	protects Sauk-Concrete Rd.	old	pre 1990 pre 1990	> 2' > 2'	1-2' w/ some 6-9"	mature	2 tribs enter in this area, ends in bedrock high bank at Dalles bridge 3-4', grasses/alder(14-16"dbh)/cedar/shrubs	> 60 m < 5 m	936.4434577230 761.5475899380