

Group Name	Watershed (HUC10)	Watershed key processes areas					Present Level of Alteration & Current Shoreline Conditions			Current land use by percent ²					Level of foreseeable Future development likely to affect shoreline condition ³			Potential future impacts to shoreline processes ⁵	Cumulative Impact				
		Sediment Delivery & Supply Sediment alterations		Water Movement and storage Water Alterations		Riparian Inputs	Riparian alterations	Parameters with High impact	Parameters with moderate to high impact	AU Quadrant ¹	Agriculture	Residential	Resource production	Unknown/other	Undeveloped	Summary of future impacts			Future Land use per group ⁴	Current impervious acres	Current impervious acres Ok	Potential future impervious acres	Potential future impervious acres Ok Co
Aeneas Lake	Upper Okanogan River	16%	0.5%	99%	14%	17%	2.6%	residential, water quality 303(d) list, overwater structures, geohaz		1						Minimal changes due to existing buildout in place; possible due to potential for new residences and recreation uses and limited number of new infrastructure due to development	Low Int Rec	Med Int Res	% land use type per Group	0.00		25.49	3.37
Albright Lake	Okanogan River/Omak	16%	0.9%	56%	14%	17%	1.9%	water quality 303(d) list, road, geohaz		2						Minimal changes possible due to potential for new recreation and agriculture uses limited number of new infrastructure due to development	Low Int Rec	Low Int Ag	New or expanded development may impact conditions	0.00	0.00	0.00	0.00
Alkali Lake	Okanogan River/Omak	16%	0.9%	56%	14%	17%	1.9%	residential, geohaz, wetland		2						Minimal to moderate changes possible due to the potential for new residences, recreation, and a limited number of new infrastructure due to development	Low Int Rec	Med Int Res	New or expanded development may impact conditions	0.00	0.00	94.42	10.17
Alta Lake	Lower Methow	6%	0.7%	43%	3%	5%	0.5%	residential, water quality 303(d) list, road, overwater structures, geohaz, wetland, dispersed agriculture		1						Minimal changes due to high level of existing development; limited potential for new residences, recreation, and a limited number of new infrastructure due to development	Low Int Rec	Hi Int Resident	Expect conditions to remain the same or improve due to new higher standards for development	0.00	0.00	31.03	2.89
Antoine Creek	Upper Okanogan River	16%	0.5%	99%	14%	17%	2.6%	wetland, potential migration zone, intensive agriculture, dispersed agriculture	bridge, culvert, geohaz	3						Minimal to moderate changes possible due to the potential for new residences, recreation, or agriculture use, and a limited number of new infrastructure due to development	Low Int Ag	Med Int Res/Ag	New or expanded development may impact conditions		0.70	N/A	17.63
Beaver Creek	Beaver Creek	3%	0.9%	34%	4%	5%	0.2%	geohaz, wetland	road, bridge, intensive agriculture	4						Minimal to moderate changes possible due to potential for new residences and agriculture uses limited number of new infrastructure due to development	Low Int Ag	Low Int Res/Ag	New or expanded development may impact conditions		49.95	N/A	0.00
Big Twin Lake	Middle Methow	8%	1.9%	64%	9%	9%	1.1%	water quality 303(d) list, geohaz, wetland		1						Minimal changes expected due to high level of existing development. Potential for new residences to be built in buffers (via permit), and limited new infrastructure expected because of existing buildout in place	Low Int Rec	Med Int Res	Expect conditions to remain the same or improve due to new higher standards for development	0.02	3.42	10.72	0.29
Blue Lake	Upper Okanogan River	16%	0.5%	99%	14%	17%	2.6%	geohaz, dispersed agriculture		4						Minimal to moderate changes possible due to potential for new residences and agriculture uses limited number of new and a limited number of new infrastructure due to development	Low Int Ag	Low Int Res/Ag	New or expanded development may impact conditions	0.00	0.00	14.23	0.00
Blue Lake (Sin)	Sinlahekin River	11%	0.8%	93%	8%	11%	2.0%		wetland	2						No major changes expected due to existing buildout in place	Low Int Rec	Med Int Rec	Expect conditions to remain the same or improve due to new higher standards for development		9.71	0.00	0.00
Bonaparte Creek	Bonaparte Creek	11%	0.8%	76%	10%	12%	0.9%	road, riparian vegetation, dispersed agriculture	residential, wetland, potential migration zone	2						Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit) and agriculture uses	Low Int Ag	Med Int Res/Ag	New or expanded development may impact conditions		93.45	N/A	70.88
Bonaparte Lake	Bonaparte Creek	11%	0.8%	76%	10%	12%	0.9%	water quality 303(d) list, mine		4						No or only minimal changes expected due to forestry uses. Limited amount of new infrastructure for residential development may occur.	Low Int For		Agriculture or other land management activities may impact conditions. Very limited infrequent and localized impact to conditions	0.00	0.00	0.00	0.00
Booher Lake	Okanogan River/Omak	16%	0.9%	56%	14%	17%	1.9%	water quality 303(d) list, dispersed agriculture		2						Minimal to moderate changes possible due to potential for new agriculture. Limited number of new infrastructure for agriculture activities may occur	Low Int Ag		Agriculture or other land management activities may impact conditions	0.00	0.00	0.00	0.00

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		Sediment Delivery & Supply Sediment alterations		Water Movement and storage Water Alterations		Riparian Inputs Riparian alterations		Parameters with High impact	Parameters with moderate to high impact	AU Quadrant ¹	Agriculture	Residential	Resource production	Unknown/other	Undeveloped	Summary of future impacts		Future Land use per group ⁴		Current impervious acres	Current impervious acres Ok	Potential future impervious acres	Potential future impervious acres Ok Co
Boulder Creek	Lower Chewuch River	6%	0.6%	17%	4%	8%	0.6%								Minimal change possible due to public land ownership.	Low Int Rec		Expect conditions to remain the same or improve due to new higher standards for development	42.26	42.26		0.00	
Brewster	Columbia River	19%	0.9%	100%	14%	19%	4.5%	road, geohaz, wetland, riparian vegetation, potential migration zone	bridge, overwater structures, Ecology's permitted facilities	3					Minimal changes expected due to high level of existing development. Potential for new residences to be built in buffers (via permit), and limited new infrastructure expected because of existing buildout in place	Low Int Rec		Expect conditions to remain the same or improve due to new higher standards for development	4.04	54.46	131.18	6.04	
Brown Lake	Salmon Creek	9%	1.4%	52%	7%	10%	1.2%	water quality 303(d) list, road, geohaz, dispersed agriculture		1					Minimal to moderate changes possible due to potential for new agriculture. Limited number of new infrastructure for agriculture activities may occur	Low Int Res/Ag	Low Int Ag	Agriculture or other land management activities may impact conditions	0.00	0.00	0.00	0.00	
Buttermilk Creek	Twisp River	9%	0.6%	17%	3%	5%	0.4%							Minimal change possible due to public land ownership.	Low Int Rec		Expect conditions to remain the same or improve due to new higher standards for development		1.91		0.00		
Carlton - Twisp	Middle Methow	8%	1.9%	64%	9%	9%	1.1%	residential, road, bridge, wetland, riparian vegetation, potential migration zone		4					Minimal to moderate changes possible due to the potential for new residences, recreation, and a limited number of new infrastructure due to development	Med Int Res	Low Int Rec	New or expanded development may impact conditions	10.63	91.34	139.27	9.70	
Carlton Lamird	Lower Methow	6%	0.7%	43%	3%	5%	0.5%	residential, Ecology's permitted facilities	water quality 303(d) list, geohaz, wetland	4					Minimal to moderate changes possible due to the potential for new residences, recreation, and a limited number of new infrastructure due to development	Med Int Res	Low Int Rec	New or expanded development may impact conditions	1.19	21.07	33.09	0.51	
Chewuck River	Lower Chewuch River	6%	0.6%	17%	4%	8%	0.6%		residential, geohaz	4					Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit) and new infrastructure due to development	Med Int Res	Low Int Rec	New or expanded development may impact conditions	3.48	42.29	37.31	8.35	
Chewuck River Upper														Minimal change possible due to public land ownership.	Low Int Rec		Expect conditions to remain the same or improve due to new higher standards for development	0.00	72.45				
Chopaka Lake	Sinlahekin River	11%	0.8%	93%	8%	11%	2.0%	water quality 303(d) list, overwater structures, dispersed agriculture		4					No or only minimal changes expected due to forestry/ agriculture uses.	Low Int Rec	Low Int For	New or expanded development may impact conditions, depends on recreation use	0.00	0.00	0.00	6.19	
Conconully Lake	Salmon Creek	9%	1.4%	52%	7%	10%	1.2%	water quality 303(d) list, Ecology's permitted facilities, potential migration zone	road, geohaz, wetland	1					Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit) and recreation uses, and limited new infrastructure expected because of existing buildout in place	Low Int Rec	Hi Int Com	Expect conditions to remain the same or improve due to new higher standards for development	2.27	13.64	106.77	2.62	
Crawfish Lake	West Fork Sanpoil	7%	0.1%	27%	6%	8%	0.5%	residential, road, overwater structures, wetland		2					Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit) and new infrastructure due to recreation development	Low Int Rec	Low Int For	New or expanded development may impact conditions	0.00	0.00	3.29	0.46	
Davis Lake	Middle Methow	8%	1.9%	64%	9%	9%	1.1%	residential, Ecology's permitted facilities, overwater structures, geohaz		2					Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit) and new infrastructure due to development	Low Int Res/Ag	Low Int Rec	New or expanded development may impact conditions	0.59	7.02	141.07	2.72	
Duck Lake	Okanogan River/Omak	16%	0.9%	56%	14%	17%	1.9%	water quality 303(d) list, geohaz, dispersed agriculture		1					Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit) and new infrastructure due to development	Med Int Res	Low Int Rec	New or expanded development may impact conditions	0.28	0.36	46.36	6.98	

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		Sediment Delivery & Supply	Sediment alterations	Water Movement and storage	Water Alterations	Riparian Inputs	Riparian alterations	Parameters with High impact	Parameters with moderate to high impact	AU Quadrant ¹	Agriculture	Residential	Resource production	Unknown/other	Undeveloped	Summary of future impacts		Future Land use per group ⁴	Current impervious acres	Current impervious acres Ok	Potential future impervious acres	Potential future impervious acres Ok Co		
East Osoyoos	Upper Okanogan River	16%	0.5%	99%	14%	17%	2.6%	residential, water quality 303(d) list, wetland road, overwater structures, Ecology's permitted facilities, riparian vegetation	1-2	0	3	1	93	4	Minimal changes expected due to high level of existing development. Potential for new residences to be built in buffers (via permit), and limited new infrastructure expected because of existing buildout in place.	Low Int Rec	Hi Int Resident	Expect conditions to remain the same or improve due to new higher standards for development	1.90	9.62	130.19	17.90		
Early Winters														Minimal change possible due to public land ownership.	Low Int Rec		Expect conditions to remain the same or improve due to new higher standards for development		44.58		0.00			
Evans Lake	Okanogan River/Omak	16%	0.9%	56%	14%	17%	1.9%	water quality 303(d) list, geohaz, wetland, dispersed agriculture	2		4		92	4	Minimal changes possible due to potential for new agriculture. Limited number of new infrastructure for agriculture activities may occur	Low Int Ag		Agriculture or other land management activities may impact conditions	0.00	0.00	0.00	0.00		
Fancher Dam Res	Upper Okanogan River	16%	0.5%	99%	14%	17%	2.6%	water quality 303(d) list, Ecology's permitted facilities, geohaz, dispersed agriculture	1					100	Minimal changes possible due to potential for new agriculture. Limited number of new infrastructure for agriculture activities may occur	Low Int Ag		Agriculture or other land management activities may impact conditions	0.00	0.00	0.00	0.00		
Fields Lake	Myers	6%	0.2%	71%	5%	8%	0.8%	water quality 303(d) list, road, geohaz, intensive agriculture	3			100	100	Minimal changes possible due to potential for new agriculture. Limited number of new infrastructure for agriculture activities may occur	Low Int Ag		Agriculture or other land management activities may impact conditions	0.00	0.00	0.00	0.00			
Fish Lake	Okanogan River/Omak	16%	0.9%	56%	14%	17%	1.9%	road, Ecology's permitted facilities, overwater structures, geohaz	2					100	No or only minimal changes expected due to forestry uses. Limited amount of new infrastructure for recreation development may occur	Low Int For		Agriculture or other land management activities may impact conditions. Very limited infrequent and localized impact to conditions		21.88	0.00	0.00		
Gold Creek	Lower Methow	6%	0.7%	43%	3%	5%	0.5%	water quality 303(d) list, road, bridge, geohaz, potential migration zone	3		44	11	35	21	Minimal to moderate changes possible due to potential for new recreation, residential, and agriculture uses limited number of new infrastructure due to development	Low Int Res/Ag	Low Int For	New or expanded development may impact conditions		36.10	N/A	0.00		
Green Lake	Salmon Creek	9%	1.4%	52%	7%	10%	1.2%	road, overwater structures, geohaz, wetland, dispersed agriculture	2					93	7	Minimal to moderate changes possible due to potential for new recreation and agriculture uses limited number of new infrastructure due to development	Low Int Rec	Low Int Ag	New or expanded development may impact conditions, depends on recreation use	0.00	0.00	7.11	1.23	
Horseshoe Lake	Okanogan River/Omak	16%	0.9%	56%	14%	17%	1.9%	geohaz, wetland, dispersed agriculture	2		6	20	79	15	No or only minimal changes expected due to forestry uses. Limited amount of new infrastructure may occur	Low Int Ag	Low Int For	Agriculture or other land management activities may impact conditions	0.00	0.00	0.00	0.00		
Keystone - Tonasket	Upper Okanogan	15%	0.4%	101%	14%	15%	0.3%	residential, rail, wetland, riparian vegetation	4	11	17	18	60	11	Minimal to moderate changes possible due to the potential for new residences, recreation, and a limited number of new infrastructure due to development	Low Int Ag	Low Int Rec	New or expanded development may impact conditions	1.25	17.30	141.20	43.42		
Keystone Canyon	Upper Okanogan	15%	0.4%	101%	14%	15%	0.3%	rail, wetland, riparian vegetation, potential migration zone, dispersed agriculture	4	2	1	19	96	1	Minimal to moderate changes possible due to the potential for new residences, recreation, and a limited number of new infrastructure due to development	Low Int Ag	Low Int Rec	New or expanded development may impact conditions	2.77	9.52	109.81	29.15		
Lake Pateros	Columbia River	19%	0.9%	100%	14%	19%	4.5%	road, overwater structures, Ecology's permitted facilities, overwater structures	3	1	4	12	95	1	Minimal changes expected due to high level of existing development. Potential for new residences to be built in buffers (via permit), and limited new infrastructure expected because of existing buildout in place.	Low Int Rec		Expect conditions to remain the same or improve due to new higher standards for development	3.37	42.38	102.30	1.37		
Leader Lake	Lower Okanogan River	13%	1.0%	71%	13%	15%	1.5%	water quality 303(d) list, Ecology's permitted facilities, overwater structures, geohaz, intensive agriculture	3					11	57	43	Minimal changes possible due to potential for new agriculture. Limited number of new roads and other supporting infrastructure for agriculture activities may occur	Low Int Ag		Agriculture or other land management activities may impact conditions	0.60	9.72	0.00	0.00

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Little Bridge Creek															Minimal change possible due to public land ownership.	Low Int Rec					7.37	0.00						
Lemanaski Lake	Okanogan River/Omak	16%	0.9%	56%	14%	17%	1.9%	water quality 303(d) list, road, geohaz, intensive agriculture		1	4	4	56	92	Minimal changes possible due to potential for new agriculture. Limited number of new roads and other supporting infrastructure for agriculture activities may occur	Low Int Ag					0.00	0.00	0.00	0.00				
Little Twin Lake	Middle Methow	8%	1.9%	64%	9%	9%	1.1%	water quality 303(d) list, geohaz, wetland		1		7		29	63	Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit) and new infrastructure due to development	Med Int Res	Low Int Rec						0.07	0.07	10.16	3.7	
Lost Creek	West Fork Sanpoil	7%	0.1%	27%	6%	8%	0.5%	geohaz		2					No or only minimal changes expected due to forestry uses. Limited amount of new infrastructure for residential development may occur.	Low Int For							0.00	N/A	0.35			
Lost River Gorge														Minimal change possible due to public land ownership.	Low Int Rec									0.89	0.00			
Lower Methow	Lower Methow River	6%	0.7%	43%	3%	5%	0.5%	road, geohaz, wetland, riparian vegetation	potential migration zone, intensive agriculture	3	8	4	22	82	Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit) and new infrastructure due to development	Med Int Res	Low Int Rec							5.67	20.86	248.39	2.92	
Lower Okanogan	Lower Okanogan River	13%	1.0%	71%	13%	15%	1.5%	wetland, riparian vegetation							Minimal to moderate changes possible due to potential for new recreation and agriculture uses limited number of new infrastructure due to development	Low Int Rec	Med Int Res/Ag							0.21	6.73	334.42	33.63	
Lower Salmon	Salmon Creek	9%	1.4%	52%	7%	10%	1.2%	residential, road, bridge, geohaz, wetland, riparian vegetation, potential migration zone		3					Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit) and new infrastructure due to development	Med Int Res									1.99	N/A	6.76	
Lower Similkameen	Lower Similkameen	13%	1.0%	109%	8%	9%	1.5%	water quality 303(d) list, bridge, Ecology's permitted facilities, geohaz, wetland, riparian vegetation, potential migration zone, intensive agriculture		1	4	1	12	69	Minimal to moderate changes possible due to potential for new recreation and agriculture uses limited number of new infrastructure due to development	Low Int Ag	Low Int Rec							0.14	0.14	36.66	3.21	
Lower Sinlahekin	Sinlahekin River	11%	0.8%	93%	8%	11%	2.0%	water quality 303(d) list, riparian vegetation, intensive agriculture	dispersed agriculture	2					Minimal to moderate changes possible due to potential for new recreation and agriculture uses limited number of new infrastructure due to development	Low Int Ag	Low Int Res/Ag								0.16	N/A	0.00	
Lower Wells Pool	Columbia River	19%	0.9%	100%	14%	19%	4.5%	rail, wetland, , potential migration zone	road	3					Minimal changes expected due to high level of existing development. Potential for new residences to be built in buffers (via permit), and limited new infrastructure expected because of existing buildout in place.	Low Int Rec									0.51	30.63	73.19	6.28
Malott Lamird	Lower Okanogan River	13%	1.0%	71%	13%	15%	1.5%	wetland, riparian vegetation	water quality 303(d) list	3	1	2	15	89	Minimal to moderate changes possible due to the potential for new residences, recreation, and a limited number of new infrastructure due to development	Low Int Rec	Med Int Res/Ag								0.15	0.68	104.21	30.24

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Mazama	Mazama	6%	0.6%	22%	4%	6%	0.3%	residential	water quality 303(d) list, geohaz	4					0	13	19	63	25	Minimal to moderate changes possible due to the potential for new residences, recreation, and a limited number of new infrastructure due to development	Med Int Res	Low Int Rec	New or expanded development may impact conditions	17.00	91.93	207.63	26.03
Medicine Lake	Okanogan River/Omak	16%	0.9%	56%	14%	17%	1.9%	water quality 303(d) list, geohaz, wetland, dispersed agriculture		2							100		Minimal changes possible due to potential for new agriculture. Limited number of new roads and other supporting infrastructure for agriculture activities may occur	Low Int Ag		Agriculture or other land management activities may impact conditions	0.00	0.00	0.00	0.00	
Methow - Carlton	Lower Methow	6%	0.7%	43%	3%	5%	0.5%	road, geohaz, wetland	residential, bridge, Ecology's permitted facilities	4					5	12	17	76	7	Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit) and new infrastructure due to development	Med Int Res	Low Int Rec	New or expanded development may impact conditions	23.46	83.97	706.01	0.00
Methow Lamird	Lower Methow	6%	0.7%	43%	3%	5%	0.5%	road, bridge, geohaz, wetland, potential migration zone		4					6	7	15	84	3	Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit) and new infrastructure due to development	Low Int Rec	Med Int Res/Ag	New or expanded development may impact conditions	3.29	18.69	156.98	14.28
Middle Methow	Middle Methow	8%	1.9%	64%	9%	9%	1.1%		residential, intensive agriculture, dispersed agriculture	4					4	12	5	71	12	Minimal changes due to high level of existing development; limited potential for new residences, recreation, and a limited number of new infrastructure due to development	Med Int Res	Med Int Res/Ag	Expect conditions to remain the same or improve due to new higher standards for development	14.28	70.18	962.03	0.00
Middle Okanogan	Lower Okanogan River	13%	1.0%	71%	13%	15%	1.5%	wetland, riparian vegetation	residential	4					3	7	13	90	0	Minimal changes due to high level of existing development; limited potential for new residences, recreation, and a limited number of new infrastructure due to development	Med Int Res/Ag	Low Int Rec	Expect conditions to remain the same or improve due to new higher standards for development	0.00	0.00	53.86	29.23
Middle Similkameen	Lower Similkameen	13%	1.0%	109%	8%	9%	1.5%	water quality 303(d) list, geohaz, wetland, dispersed agriculture	riparian vegetation	1-2					7	3	3	72	18	Minimal to moderate changes possible due to potential for new recreation and agriculture uses limited number of new infrastructure due to development	Low Int Ag	Low Int Rec	New or expanded development may impact conditions	0.60	9.05	26.56	5.12
Middle Sinlahekin River	Sinlahekin River	11%	0.8%	93%	8%	11%	2.0%	culvert	riparian vegetation, dispersed agriculture	2					1	0	22	98	0	Minimal to moderate changes possible due to potential for new residences and agriculture uses limited number of new infrastructure due to development	Low Int Ag	Low Int Rec	New or expanded development may impact conditions		0.00	N/A	43.62
Miles Lake	Middle Methow	8%	1.9%	64%	9%	9%	1.1%	Ecology's permitted facilities, geohaz, intensive agriculture		2							100		Minimal to moderate changes possible due to the potential for new residences, recreation, and a limited number of new infrastructure due to development	Low Int Ag	Low Int Res/Ag	New or expanded development may impact conditions	0.09	1.99	0.00	0.00	
Moccasin Lake	Middle Methow	8%	1.9%	64%	9%	9%	1.1%	Ecology's permitted facilities, geohaz, intensive agriculture		2							100		Minimal changes possible due to potential for new agriculture. Limited number of new roads and other supporting infrastructure for agriculture activities may occur.	Low Int Ag		Agriculture or other land management activities may impact conditions		3.24	0.00	0.00	
Molson Lake	Myers	6%	0.2%	71%	5%	8%	0.8%	water quality 303(d) list, road, geohaz, wetland, dispersed agriculture		3							22	88	12	Minimal to moderate changes possible due to potential for new recreation and agriculture uses limited number of new infrastructure due to development	Low Int Ag	Low Int Rec	New or expanded development may impact conditions, depends on recreation use	0.00	0.00	306.63	6.28
Muskrat Lake	Upper Okanogan River	16%	0.5%	99%	14%	17%	2.6%	water quality 303(d) list, intensive agriculture		1							76	100		Minimal changes possible due to potential for new agriculture. Limited number of new roads and other supporting infrastructure for agriculture activities may occur	Low Int Ag		Agriculture or other land management activities may impact conditions	0.00	0.00	0.00	0.00
Okanogan City	Okanogan River/Omak	16%	0.9%	56%	14%	17%	1.9%	residential, Ecology's permitted facilities, wetland, riparian vegetation	water quality 303(d) list, bridge, levee, riprap	3-4					5	9	4	79	7	Minimal changes expected due to high level of existing development. Potential for new residences to be built in buffers (via permit), and limited new infrastructure expected because of existing buildout in place.	Low Int Rec	Hi Int Resident	Expect conditions to remain the same or improve due to new higher standards for development	4.04	57.64	64.86	15.34

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		Sediment Delivery & Supply Sediment alterations		Water Movement and storage Water Alterations		Riparian Inputs Riparian alterations		Parameters with High impact	Parameters with moderate to high impact	AU Quadrant ¹	Agriculture	Residential	Resource production	Unknown/other	Undeveloped	Summary of future impacts		Future Land use per group ⁴		Current impervious acres	Current impervious acres Ok	Potential future impervious acres	Potential future impervious acres Ok Co			
Omak - Riverside	Okanogan River/Omak	16%	0.9%	56%	14%	17%	1.9%	geohaz, wetland, riparian vegetation, intensive agriculture		4					2	15	98	0	Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit), recreation uses, and new infrastructure due to development	Low Int Rec	Low Int Res/Ag	New or expanded development may impact conditions	4.09	1.14	153.81	0
Omak City	Okanogan River/ Omak	16%	0.9%	56%	14%	17%	1.9%	levee, wetland, riparian vegetation	residential, Ecology's permitted facilities, geohaz	3-4	1	5	10	88	6			Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit), recreation uses, and new infrastructure due to development	Low Int Rec	Med Int Res	New or expanded development may impact conditions	0.02	56.55	0.00	29.91	
Oroville City	Upper Okanogan River	16%	0.5%	99%	14%	17%	2.6%	water quality 303(d) list, bridge, Ecology's permitted facilities, levee, riparian vegetation	residential, road, wetland	3	11	8	16	76	5			Minimal changes expected due to high level of existing development. Potential for new residences to be built in buffers (via permit), and limited new infrastructure expected because of existing buildout in place	Low Int Rec	Hi Int Com	Expect conditions to remain the same or improve due to new higher standards for development	25.61	50.08	205.52	25.68	
Palmer Creek Confluence	Sinlahekin River	11%	0.8%	93%	8%	11%	2.0%	water quality 303(d) list, Ecology's permitted facilities, dispersed agriculture	intensive agriculture	2					5	50	94	1	Minimal changes possible due to potential for new agriculture. Limited number of new roads and other supporting infrastructure for agriculture activities may occur.	Low Int Ag	Low Int Rec	New or expanded development may impact conditions, depends on recreation use	0.00	0.00	8.68	2.98
Palmer Lake	Sinlahekin River	11%	0.8%	93%	8%	11%	2.0%	water quality 303(d) list, dispersed agriculture	geohaz	4	1	1	2	98	0			Minimal changes expected due to high level of existing development. Potential for new residences to be built in buffers (via permit), and limited new infrastructure expected because of existing buildout in place.	Low Int Rec	Low Int Ag	Expect conditions to remain the same or improve due to new higher standards for development	3.15	5.35	113.73	6.73	
Pasayten Wilderness																		Minimal change possible due to public land ownership.	Low Int Rec		Expect conditions to remain the same or improve due to new higher standards for development		0.00		0.00	
Patterson Lake	Middle Methow	8%	1.9%	64%	9%	9%	1.1%	road, Ecology's permitted facilities, overwater structures, geohaz		2					11	99	1	Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit) and limited new infrastructure expected because of existing buildout in place	Low Int Rec	Med Int Res/Ag	Expect conditions to remain the same or improve due to new higher standards for development	6.20	13.98	238.29	0	
Pearrygin Lake	Lower Chewuch River	6%	0.6%	17%	4%	8%	0.6%	water quality 303(d) list, Ecology's permitted facilities, overwater structures, geohaz	road	1					1	90	10	Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit) and recreation uses, limited new infrastructure expected because of existing buildout in place	Low Int Rec	Med Int Res	Expect conditions to remain the same or improve due to new higher standards for development	0.00	5.49	20.18	0.36	
Rat Lake	Lower Okanogan River	13%	1.0%	71%	13%	15%	1.5%	overwater structures, geohaz, wetland, dispersed agriculture		2					6		94		Minimal to moderate changes possible due to potential for new recreation and agriculture uses limited number of new infrastructure due to development	Low Int Rec	Low Int Ag	New or expanded development may impact conditions, depends on recreation use	0.74	1.59	0.00	4.01
Riverside Town	Okanogan River/Omak	16%	0.9%	56%	14%	17%	1.9%	levee, wetland, riparian vegetation	water quality 303(d) list, intensive agriculture, dispersed agriculture	3	12	3	14	85	1			Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit), recreation uses, and new infrastructure due to development	Low Int Rec	Low Int Res/Ag	New or expanded development may impact conditions	4.00	15.69	80.79	20.83	
Roberts Lake	Salmon Creek	9%	1.4%	52%	7%	10%	1.2%	water quality 303(d) list, geohaz, wetland, dispersed agriculture		2							100		Minimal to moderate changes possible due to potential for new recreation and agriculture uses limited number of new infrastructure due to development	Low Int Ag	Low Int Rec	New or expanded development may impact conditions, depends on recreation use	0.00	0.00	0.00	1.62
Salmon/Conconully Lake	Salmon Creek	9%	1.4%	52%	7%	10%	1.2%	water quality 303(d) list, Ecology's permitted facilities, geohaz, wetland		1					22	92	8	Minimal changes expected due to high level of existing development. Potential for new residences to be built in buffers (via permit), and limited new infrastructure expected because of existing buildout in place.	Hi Int Resident	Low Int Rec	Expect conditions to remain the same or improve due to new higher standards for development		2.29	N/A	0.00	

Group Name	Watershed (HUC10)	Watershed key processes areas						Present Level of Alteration & Current Shoreline Conditions			Current land use by percent ²					Level of foreseeable Future development likely to affect shoreline condition ³		Potential future impacts to shoreline processes ⁵	Cumulative Impact									
		Sediment Delivery & Supply Sediment alterations		Water Movement and storage Water Alterations		Riparian Inputs Riparian alterations		Parameters with High impact	Parameters with moderate to high impact	AU Quadrant ¹	Agriculture	Residential	Resource production	Unknown/other	Undeveloped	Summary of future impacts	Future Land use per group ⁴		Current impervious acres	Current impervious acres Ok	Potential future impervious acres	Potential future impervious acres Ok Co						
Sidley Lake	Myers	6%	0.2%	71%	5%	8%	0.8%	residential, water quality 303(d) list, road, overwater structures, geohaz		3					0	9	4	79	12	Minimal changes expected due to high level of existing development. Potential for new residences to be built in buffers (via permit), and limited new infrastructure expected because of existing buildout in place.	Low Int Rec	Hi Int Resident	Expect conditions to remain the same or improve due to new higher standards for development	0.00	0.00	145.23	8.24	
Sinlahekin Headwater	Sinlahekin River	11%	0.8%	93%	8%	11%	2.0%	Ecology's permitted facilities, potential migration zone,	overwater structures	2								100		Minimal changes possible due to potential for new recreation and agriculture uses limited number of new infrastructure due to development	Low Int Rec		New or expanded development may impact conditions, depends on recreation use		10.53	N/A	0.00	
Spectacle Lake	Upper Okanogan River	16%	0.5%	99%	14%	17%	2.6%	water quality 303(d) list, wetland	road, overwater structures, Ecology's permitted facilities, geohaz, riparian vegetation	1					0	3	10	96	1	Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit), recreation uses, and new infrastructure due to development	Hi Int Resident	Low Int Ag	New or expanded development may impact conditions	0.44	4.67	91.10	7.98	
Talkire Lake	Upper Okanogan River	16%	0.5%	99%	14%	17%	2.6%	intensive agriculture	dispersed agriculture, road	4					28		42	72		Minimal to moderate changes possible due to potential for new recreation and agriculture uses limited number of new infrastructure due to development	Low Int Ag		Agriculture or other land management activities may impact conditions	0.00	0.00	0.00	0.59	
Toats Coulee	Sinlahekin River	11%	0.8%	93%	8%	11%	2.0%	wetland, potential migration zone,	road	2								24	82	18	No or only minimal changes expected due to forestry uses. Limited amount of new infrastructure for development	Low Int For		Agriculture or other land management activities may impact conditions. Very limited infrequent and localized impact to conditions		21.12	N/A	0.00
Tonasket City	Upper Okanogan	15%	0.4%	101%	14%	15%	0.3%	residential, Ecology's permitted facilities, riprap, riparian vegetation	water quality 303(d) list, rail, wetland	3					11	12	18	77	1	Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit), recreation uses, and new infrastructure due to development	Med Int Res/Ag	Low Int Rec	New or expanded development may impact conditions	7.26	79.28	370.47	95.43	
Toroda Creek	Toroda Creek	5%	0.3%	51%	4%	6%	0.3%	intensive agriculture	residential	2					4	3	80	93	0	Minimal changes possible due to potential for new agriculture or forestry uses. Limited number of new roads and other supporting infrastructure for agriculture activities may occur.	Low Int Ag	Low Int For	Agriculture or other land management activities may impact conditions. Very limited infrequent and localized impact to conditions		7.96	N/A	52.50	
Twisp River	Twisp River	9%	0.6%	17%	3%	5%	0.4%	residential	geohaz	4					1	33	16	53	14	Minimal to moderate changes possible due to potential for new recreation and agriculture uses limited number of new infrastructure due to development	Med Int Res	Low Int For	New or expanded development may impact conditions	10.21	35.81	256.90	0.00	
Twisp River Upper																				Minimal change possible due to public land ownership.	Low Int Rec		Expect conditions to remain the same or improve due to new higher standards for development		20.38		0.00	
Twisp Town	Middle Methow	8%	1.9%	64%	9%	9%	1.1%	residential, Ecology's permitted facilities	water quality 303(d) list, road, bridge, geohaz, riparian vegetation	3					2	23	13	53	22	Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit), recreation uses, and new infrastructure due to development	Med Int Res	Low Int Rec	New or expanded development may impact conditions	31.56	107.01	580.00	0.00	
Upper Methow	Upper Methow	15%	1.0%	14%	2%	5%	0.8%	water quality 303(d) list	residential, road, wetland	4						17	7	47	36	Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit), recreation uses, and new infrastructure due to development	Med Int Res	Low Int Rec	New or expanded development may impact conditions	15.66	49.73	224.66	0.00	
Upper Methow (G)																				Minimal change possible due to public land ownership.	Low Int Rec		Expect conditions to remain the same or improve due to new higher standards for development		6.67		0.00	

Group Name	Watershed (HUC10)	Watershed key processes areas						Present Level of Alteration & Current Shoreline Conditions			Current land use by percent ²					Level of foreseeable Future development likely to affect shoreline condition ³		Potential future impacts to shoreline processes ⁵	Cumulative Impact				
		Sediment Delivery & Supply Sediment alterations		Water Movement and storage Water Alterations		Riparian Inputs Riparian alterations		Parameters with High impact	Parameters with moderate to high impact	AU Quadrant ¹	Agriculture	Residential	Resource production	Unknown/other	Undeveloped	Summary of future impacts	Future Land use per group ⁴		Current impervious acres	Current impervious acres Ok	Potential future impervious acres	Potential future impervious acres Ok Co	
Upper Okanogan	Upper Okanogan River	16%	0.5%	99%	14%	17%	2.6%	intensive agriculture	residential, riparian vegetation, dispersed agriculture	4						Minimal to moderate changes possible due to potential for new recreation and agriculture uses limited number of new infrastructure due to development	Low Int Ag	Low Int Rec	New or expanded development may impact conditions	2.07	23.62	166.56	92.80
Upper Salmon	Salmon Creek	9%	1.4%	52%	7%	10%	1.2%	wetland, potential migration zone	residential, road, geohaz, intensive agriculture, dispersed agriculture	4	7	2	42	90	1	Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit) and recreation uses, limited new infrastructure expected because of existing buildout in place	Low Int Ag	Low Int For	Expect conditions to remain the same or improve due to new higher standards for development		25.39	N/A	52.37
Upper Similkameen	Lower Similkameen	13%	1.0%	109%	8%	9%	1.5%	water quality 303(d) list	intensive agriculture, dispersed agriculture	2	2	0	39	78	20	Minimal changes possible due to potential for new agriculture. Limited number of new roads and other supporting infrastructure for agriculture activities may occur	Low Int Ag	Low Int Rec	New or expanded development may impact conditions	0.00	0.00	0.00	106.38
Walker Lake	Toroda Creek	5%	0.3%	51%	4%	6%	0.3%	wetland, intensive agriculture	dispersed agriculture	4						Minimal changes possible due to potential for new agriculture. Limited number of new roads and other supporting infrastructure for agriculture activities may occur	Low Int Ag		Agriculture or other land management activities may impact conditions. Very limited infrequent and localized impact to conditions	0.00	0.00	0.00	0.00
Wannacut Lake	Upper Okanogan River	16%	0.5%	99%	14%	17%	2.6%	water quality 303(d) list, geohaz	residential, road, overwater structures, intensive agriculture, dispersed agriculture	1						Minimal to moderate changes possible due to potential for new recreation and agriculture uses limited number of new infrastructure due to development	Low Int Rec	Med Int Res/Ag	New or expanded development may impact conditions	0.00	0.00	249.00	19.22
West Osoyoos	Upper Okanogan River	16%	0.5%	99%	14%	17%	2.6%	residential, water quality 303(d) list, overwater structures, Ecology's permitted facilities	road, riparian vegetation	1-3	1	5	1	92	2	Minimal changes expected due to high level of existing development. Potential for new residences to be built in buffers (via permit), and limited new infrastructure expected because of existing buildout in place.	Low Int Rec	HI Int Resident	Expect conditions to remain the same or improve due to new higher standards for development	6.86	28.58	117.83	11.69
West Sanpoil River	West Fork Sanpoil	7%	0.1%	27%	6%	8%	0.5%		residential, potential migration zone, intensive agriculture	2-4	6	18	28	62	15	minor changes expected due to recreation and high intensity residential	Low Int Res/Ag	Low Int Ag	New or expanded development may impact conditions		9.20	N/A	133.17
Whitestone Lake	Upper Okanogan River	16%	0.5%	99%	14%	17%	2.6%	water quality 303(d) list, geohaz, dispersed agriculture	Ecology's permitted facilities	1	8		12	90	2	Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit), recreation uses, and new infrastructure due to development	Low Int Ag	Low Int Res/Ag	New or expanded development may impact conditions	0.00	0.00	49.96	3.94
Winthrop Town	Lower Chewuch River	6%	0.6%	17%	4%	8%	0.6%	residential, water quality 303(d) list, road, Ecology's permitted facilities	bridge, geohaz, wetland	3	0	19	16	68	13	Minimal to moderate changes possible due to the potential for new residences to be built in buffers (via permit), recreation uses, and new infrastructure due to development	Med Int Res	Low Int Rec	New or expanded development may impact conditions	5.54	69.98	83.07	6.88
Wolf Creek															Minimal change possible due to public land ownership.	Low Int Rec		Expect conditions to remain the same or improve due to new higher standards for development		0.00		0.00	

1 Current Shoreline Quality based on the Inventory and Characterization

2 DOR codes (only major types shown)

3 Summary of likely trend due to Shoreline Designation and RFFAs

Group Name	Watershed (HUC10)	Watershed key processes areas				Present Level of Alteration & Current Shoreline Conditions			Current land use by percent ²			Level of foreseeable Future development likely to affect shoreline condition ³		Potential future impacts to shoreline processes ⁵	Cumulative Impact			
		Sediment Delivery & Supply Sediment alterations	Water Movement and storage Water Alterations	Riparian Inputs	Riparian alterations	Parameters with High impact	Parameters with moderate to high impact	AU Quadrant ¹	Agriculture	Residential	Resource production	Unknown/other	Undeveloped		Summary of future impacts	Future Land use per group ⁴	Current impervious acres	Current impervious acres Ok

4 RFFA Land use type. Those shown represent the greatest percentage of land use type under proposed designations (See attachment 4 for detailed summary of all potential land use types per group)

5 Summary of potential changes to watershed key processes: sediment, hydrology, LWD, and nutrients based on future trends to shoreline condition

6 N/A indicates stream group data not analyzed, data inconsistencies