Item	SMC	Existing Code	New Regulation/Code	Complete
1	Wetland Definition: 19.12.020	Critical Areas Definitions. FF. "Wetland" or "wetlands" means areas that are inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas. Wetlands do not include those artificial wetlands intentionally created from nonwetland sites, including, but not limited to, irrigation and drainage ditches, grass-lined swales, canals, detention facilities, wastewater treatment facilities, farm ponds, and landscape amenities. Wetlands do not include areas that were unintentionally created as a result of blockage of drainage from the construction of a road, street, or highway after July 1, 1990. Wetlands may include those areas intentionally created from nonwetland areas as compensatory mitigation for impacts to wetlands.  The above WETLANDS definition is per original RCW 36.70A.030(48) definition.	New definition per RCW 36.70A.030(48) was updated in 2024 (See ESHB 2321-S.SL, effective June 6, 2024) as follows:  "Wetland" or "wetlands" means areas that are inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas. Wetlands do not include those artificial wetlands intentionally created from nonwetland sites, including, but not limited to, irrigation and drainage ditches, grass-lined swales, canals, detention facilities, wastewater treatment facilities, farm ponds, and landscape amenities, or those wetlands created after July 1, 1990, that were unintentionally created as a result of the construction of a road, street, or highway. Wetlands may include those artificial wetlands intentionally created from nonwetland areas created to mitigate conversion of wetlands.	⊠ Yes □ No
2	Definition of Fish and Wildlife Habitat Conservation Areas: 19.12.020	19.12.020.N. "Fish and wildlife habitat conservation area" means an area that provides essential habitat for maintaining listed species of endangered, threatened, or critical populations.	New SMC definition revised to be consistent with current WAC definition:  1. Areas that serve a critical role in sustaining needed habitats and species for the functional integrity of the ecosystem, and which, if altered, may reduce the likelihood that the species will persist over the long term. These areas may include, but are not limited to, rare or vulnerable	⊠ Yes □ No

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Item	SMC	Existing Code	New Regulation/Code	Complete
			ecological systems, communities, and	
			habitat or habitat elements including	
			seasonal ranges, breeding habitat, winter	
			range, and movement corridors; and areas	
			with high relative population density or	
			species richness. Locally important habitats	
			and species may also be designated by the	
			City of Snoqualmie.	
			2. Fish and wildlife habitat conservation	
			areas include areas of primary association	
			for State or Federal listed wildlife species,	
			state sensitive wildlife species, and current	
			Priority Habitats and Species designated by	
			Washington Department of Fish and	
			Wildlife.	
			3. "Habitats of local importance"	
			designated as fish and wildlife habitat	
			conservation areas include those areas	
			found to be locally important by the City of	
			Snoqualmie.	
			4. Waters of the State, including streams	
			and wetlands.	
			5. <u>Riparian Management Zones.</u>	
			6. "Fish and wildlife habitat conservation	
			areas" does not include such artificial	
			features or constructs as irrigation delivery	
			systems, irrigation infrastructure, irrigation	
			canals, or drainage ditches that lie within	
			the boundaries of, and are maintained by, a	

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Item	SMC	Existing Code	New Regulation/Code	Complete
			port district or an irrigation district or	
			company.	
3	19.12.020	No definition of "sensitive species" in current code.	19.12.020.EE: "Sensitive species" means any	⊠ Yes
		Added as 19.12.020.EE	wildlife species native to the state of	□ No
			Washington that is vulnerable or declining and	
			is likely to become endangered or threatened	
			in a significant portion of its range within the	
			state without cooperative management or	
			removal of threats, as currently listed by the	
			Washington Department of Fish and Wildlife.	
4	19.12.020.T	SMC 19.12.020.T. "Listed species" means those wildlife	19.12.030.U: "Listed species" means those	⊠ Yes
		species that have been listed as endangered, threatened	wildlife species that have been listed as	□ No
		or critical by the U.S. Fish and Wildlife Service, NOAA	endangered, threatened or <u>sensitive</u> by the U.S.	
		National Marine Fisheries Service, or Washington	Fish and Wildlife Service, NOAA National	
		Department of Wildlife pursuant to RCW 77.12.020 and	Marine Fisheries Service, or Washington	
		Chapter 232-12 WAC as may be amended.	Department of Wildlife, as may be amended.	
5	19.12.190.A	19.12.190.A. Designation. All wetlands and streams and	19.12.190.A: Designation. All waters of the	⊠ Yes
		their buffers, together with all publicly owned open	state, including wetlands, and streams, and	□ No
		spaces of greater than 10 acres, not including land use	their buffers, together with all publicly owned	
		perimeter buffers, are hereby designated as fish and	open spaces of greater than 10 acres, not	
		wildlife habitat conservation areas, including	including land use perimeter buffers, are	
		Meadowbrook Farm, the Two Sisters Return Open	hereby designated as fish and wildlife habitat	
		Space, Snoqualmie Point, Three Forks Natural Area, the	conservation areas, including Meadowbrook	
		Snoqualmie River Open Space and the Kimball Creek	Farm, the Two Sisters Return Open Space,	
		Open Space. Other areas shall be designated as fish and	Snoqualmie Point, Three Forks Natural Area,	
		wildlife habitat conservation areas based upon a habitat	the Snoqualmie River Open Space and the	
		study conducted pursuant to this section.	Kimball Creek Open Space. Other areas, such as	
			those of primary association for state and	
			federal listed wildlife species, state sensitive	
			species, and Priority Habitat Species as	
			designated by the Washington Department of	

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Item	SMC	Existing Code	New Regulation/Code	Complete
6	Designating and Protecting Waters of the State: 19.12.020	SMC 19.12.020 currently does not contain a definition for "waters of the state".	Fish and Wildlife, as well as Habitats of Local Importance, shall also be designated as fish and wildlife habitat conservation areas based upon a habitat study conducted pursuant to this section.  19.12.020.JJ: "Waters of the state" means lakes, rivers, ponds, streams, inland waters, underground waters, salt waters, and all other surface waters and watercourses within the	⊠ Yes □ No
7	Code Addition: 19.12.020.AA Code Update: 19.12.160.D	Not included. Intent is it establish riparian management zones (RMZs) to maintain no net loss of riparian area ecosystem function and values as recommended by WDFW.	jurisdiction of the state of Washington.  Added a definition for RMZ under 19.12.020.CC "Riparian management zone" means an area that has the potential to provide full riparian functions, synonymous with stream buffer. Primary functions of riparian management zones include shading, bank stability, nutrient input, wood recruitment, and pollution control.  Updated 19.12.160.D to replace "Buffers" with	⊠ Yes □ No
8	Buffers: 19.12.020, 030	SMC 19.12.020.H: "Critical area" includes the following areas: (1) wetlands; (2) streams; (3) channel migration zones; (4) areas with a critical recharging effect on aquifers used for potable water; (5) fish and wildlife habitat conservation areas; (6) frequently flooded areas; and (7) geologically hazardous areas. "Sensitive area" has the same meaning as "critical area" for the purposes of this chapter.  SMC 19.12.020.E. "Buffer" means the designated area adjacent to a wetland, stream, geologically hazardous area, or channel migration zone. The buffer is intended to protect the resource in the case of wetlands and	"Riparian Management Zones".  SMC 19.12.020.H "Critical area" includes the following areas and associated buffers: (1) wetlands; (2) streams; (3) channel migration zones; (4) areas with a critical recharging effect on aquifers used for potable water; (5) fish and wildlife habitat conservation areas; (6) frequently flooded areas; (7) geologically hazardous areas. "Sensitive area" has the same meaning as "critical area" for the purposes of this chapter.  SMC 19.12.020.E. "Buffer" means the designated area adjacent to a wetland, stream,	⊠ Yes □ No

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Item	SMC	Existing Code	New Regulation/Code	Complete
		streams; to protect against injury or damage to persons and property and to protect against landslide, erosion and other undesirable consequences in the case of geologically hazardous areas; and to protect against injury and damage to persons and property in the case of channel migration zones. Buffers are not applicable to critical aquifer recharge areas, fish and wildlife habitat areas (except to the extent that buffers for other critical areas serve as fish and wildlife habitat areas), or frequently flooded areas.  SMC 19.12.030.B does not include buffers as a regulated critical area.  "B. Critical areas regulated by this chapter include:  1. Geologically hazardous areas including:	geologically hazardous area, or channel migration zone. Stream buffers is synonymous with Riparian Management Zones in this chapter. The buffer is intended to protect the resource in the case of wetlands and streams; to protect against injury or damage to persons and property and to protect against landslide, erosion and other undesirable consequences in the case of geologically hazardous areas; and to protect against injury and damage to persons and property in the case of channel migration zones. Buffers are not applicable to critical aquifer recharge areas, fish and wildlife habitat areas (except to the extent that buffers for other critical areas serve as fish and wildlife habitat areas), or frequently flooded areas.  Updated 19.12.030.B, as follows: "B. Critical areas and associated buffers regulated by this chapter include:  B. Critical areas regulated by this chapter include:  1. Geologically hazardous areas including:  a. Erosion hazard areas;  b. Landslide hazard areas;  c. Steep slope hazard areas; and  d. Seismic hazard areas;	

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Item	SMC	Existing Code	•	New Regulation,	/Code	Complete
				2. Channel migration and zones;	erosion hazard	
				3. Frequently flooded are	eas;	
				4. Streams		
				5. Wetlands;		
				6. Fish and wildlife habita areas; and	at conservation	
				7. Critical aquifer recharg	ge areas.	
9	19.12.160.D	Per SMC Table 19.12.160-1. Stream Buffers:  19.12.160.D. Riparian Management Zone Riparian Management Zones (RMZ) are		⊠ Yes		
		Stream Classification	External Buffer Width	designated based on the estir 200 year site potential tree ho	eight, extending	
		Class 1 streams and Class 2 streams with anadromous salmonids	100 feet	outward on each side of a stream from the ordinary high water mark to the distances prescribed in Table 19.12.160-1:	he distances	
		Class 2 streams	75 feet	Table 19.12.16	0-1.	
		Class 3 streams	50 feet			
		Class 4 streams	25 feet	Riparian Management	Zone Widths	
		Snoqualmie River South Fork and right bank of mainstem	200 feet			
		within the Natural Shoreline		Stream Classification	RMZ Width	_
		Environment 1, 2		Class 1 streams	See Shoreline Regulations	
		Snoqualmie River within Urban Riverfront	25 feet		(SMC 19.08). <sup>1</sup>	
		Environment, generally		Class 2 streams	200 feet	]

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Item	SMC	Existing Code			New Regulation/	Code	Complete
		located between S.E. Fir Street and Meadowbrook Way S.E. <sup>1, 2</sup>			Class 3 streams Class 4 streams	100 feet 100 feet	
		<sup>1</sup> Areas of the Snoqualmie River not 19.12.160-1 shall use the prescribed buffer. <sup>2</sup> See Chapter 19.08 SMC for shoreling associated maps.	d Class 1 stream		<sup>1</sup> See Chapter 19.08 SMC for sl environments and associated		
10	Code addition to 19.12.020	Added definition of "Ordinary High (OHWM)" at 19.12.020(Z)	Water Mark		Z. "Ordinary high water mark" on the sides of streams or lake historically or normally at wate identified by a visible change if and/or soil. The ordinary high should be determined using the federal and state methodological	es which is er's edge, as n vegetation water mark ne most current	⊠ Yes □ No
11	19.12.070.D	D. Monitoring.  1. Whenever mitigation is require monitoring to ensure the design performance standathe approved mitigation plan. That a qualified critical area condirection of the city and at the amonitor the development propiconstruction and for a sufficient construction to ensure satisfact impacts on the critical area. The area consultant shall monitor poutlined in the approved mitigathe conditions or restrictions in	ne mitigation med rds established in The city may requessultant, at the applicant's experiosal site during t period of time a tory mitigation of e qualified critical er the provisions	ets n ire ise, after i	19.12.070.D has been updated D. Monitoring.  1. Whenever mitigation is city will require monitorin mitigation meets the desi standards established in t mitigation plan. The city n qualified critical area cons direction of the city and a expense, monitor the dev proposal site during const sufficient period of time a to ensure satisfactory mit	required, the g to ensure the gn performance he approved hay require that a sultant, at the the applicant's elopment cruction and for a fter construction	⊠ Yes □ No

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Item	SMC	Existing Code	New Regulation/Code	Complete
		and such administrative rules as the director shall prescribe.	on the critical area. The qualified critical area consultant shall monitor per the provisions outlined in the approved mitigation plan based on the conditions or restrictions imposed by the city and such administrative rules as the director shall prescribe.	
12	19.12.060 19.12.170	19.12.060 discusses the requirement for a critical areas study, for any action that could impact a critical area. 19.12.170 requires a report for actions that could impact wetlands.	Replaced "critical areas study" with "critical areas report" for simplicity and consistency. Updated sections included:  • 19.12.060 update "critical areas study" to "critical areas report" and "study" to "report".  • 19.12.070 update "study" to "report".  • 19.12.110.B update "study" to "report".  • 19.12.120.1 update "study" to "report".  • 19.12.160.C.10 update "study" to "report".  • 19.12.170.H.6 update "study" to "report".  • 19.12.200.F update "critical areas study" to "critical areas report".	⊠ Yes □ No
13	19.12.040(A)6	19.12.040(A)6 allowed activities states: "Removal of invasive plants and noxious weeds, and additional aggressive non-native species, including Japanese knotweed, Scot's broom, English ivy, Himalayan and evergreen blackberry; provided, only hand labor and light equipment that minimizes disturbance to the critical area or buffer are used, and chemical applications are approved for use adjacent to streams and wetlands, provided best management practices are used."	Updated to: "Removal of invasive plants and noxious weeds, and additional aggressive nonnative species, including Japanese knotweed, Scot's broom, English ivy, Himalayan and evergreen blackberry; provided, only hand labor and light equipment that minimizes disturbance to the critical area or buffer are used, and any chemical applications are approved by Ecology for use adjacent to streams and wetlands, provided best	⊠ Yes □ No

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Item	SMC	Existing Code	New Regulation/Code	Complete
			management practices are used, and soil	
			compaction is avoided."	
14	19.12.040(A)7	19.12.040(A)7: 7. Removal of dangerous trees, with the	19.12.020 updated to include a definition for	⊠ Yes
		director's approval. A certified arborist's evaluation may	"Hazard tree." 19.12.020.P. "Hazard tree" is defined as a	□ No
		be required in the discretion of the director if the hazard is not clearly evident.		
		is not clearly evident.	threat to life, property, or public safety.	
			19.12.040(A)7: 7. Removal of hazard trees, with	
			the director's approval. A certified arborist's	
			evaluation may be required in the discretion of	
			the director if the hazard is not clearly evident.	
			<u>Creation of snags are encouraged rather than</u>	
			complete tree removal. Hazard trees removed	
			from critical areas or associated buffers must	
			be replaced at a minimum 3:1 ratio and	
			maintained for at least three years.	
15	19.12.160	SMC 19.12.160.C.11.a: a. Such public access will not	19.12.160.C11.a:. Such public access will not	⊠ Yes
		adversely affect habitat or water quality values of the	adversely affect habitat or water quality values	□ No
		critical area or its buffer	of the critical area or its buffer, and that the	
			design reflects current Priority Habitat and	
			Species data and WDFW management	
			recommendations;	
16	19.12.090	19.12.090.F.1 states: Whenever mitigation is required,	19.12.090.F.1: 1. Whenever mitigation is	⊠ Yes
		the applicant shall prepare and submit a mitigation plan	required, the applicant shall prepare and	□ No
		for city review and approval.	submit a mitigation plan using a watershed	
			approach for city review and approval.	
17	19.12.160(C)1	Stream Crossings. Stream crossings may only be	Updated as follows:	⊠ Yes
	, ,	permitted when there is no other reasonable access	1. Stream Crossings. Stream crossings may only	□ No
		resulting in less impact on the stream and/or its buffer.	be permitted when there is no other	

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Item	SMC	Existing Code	New Regulation/Code	Complete
		Stream crossings shall use all reasonably feasible	reasonable access resulting in less impact on	
		construction techniques to avoid disturbance to the	the stream and/or its buffer. Stream crossings	
		stream bed or bank. In the case of Class 2, Class 3 or	shall use all reasonably feasible construction	
		Class 4 streams, bottomless culverts or other	techniques to avoid disturbance to the stream	
		appropriate methods demonstrated to provide fisheries	bed or bank. In the case of Class 2, Class 3 or	
		protection may be used if the applicant demonstrates	Class 4 streams, bottomless culverts or other	
		that such methods and their implementation will pose	appropriate methods demonstrated to provide	
		no harm to the stream bank or bed and will not	fisheries protection may be used if the	
		adversely impact fish habitat as demonstrated in a	applicant demonstrates that such methods and	
		report from a qualified consultant submitted by the	their implementation will pose no harm to the	
		applicant. The applicant shall be responsible to obtain	stream bank or bed and will not adversely	
		and comply with all other applicable state and federal	impact fish habitat as demonstrated in a report	
		permits. Crossings shall not occur over salmonid	from a qualified consultant submitted by the	
		spawning areas unless no other possible crossing site	applicant. The applicant shall be responsible to	
		exists. Crossings shall be minimized and serve multiple	obtain and comply with all other applicable	
		purposes and properties whenever possible.	state and federal permits. Crossings shall not	
		Construction of stream crossings shall be in	occur over salmonid spawning areas unless no	
		conformance with applicable permit limitations	other possible crossing site exists. Crossings	
		established by state resource agencies.	shall be minimized and serve multiple purposes	
			and properties whenever possible.	
			Construction of stream crossings shall be in	
			conformance with applicable permit limitations	
			established by state resource agencies. <u>Stream</u>	
			crossings shall be designed in accordance with	
			the Washington Department of Fish and	
			Wildlife's Water Crossing Design Guidelines	
			(2013), as updated. New crossings shall be	
			evaluated under future climate change	
			scenarios for 2040 and 2080, or similar, as	
			required by state and federal agencies.	

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Item	SMC	Existing Code	New Regulation/Code	Complete
18	19.12.140	19.12.140 Channel migration and associated erosion	19.12.140 Channel migration and associated	⊠ Yes
		hazard zones.	erosion hazard zones.	□ No
		A. The administrator shall assemble all available channel	A. The administrator shall assemble all available	
		migration and erosion hazard maps and studies from	channel migration and erosion hazard maps	
		King County and other sources in order to determine the	and studies from King County and other	
		location and severity of known channel migration and	sources in order to determine the location and	
		erosion hazard zones, and shall maintain maps showing	severity of known channel migration and	
		the boundaries of all known channel migration and	erosion hazard zones, and shall maintain maps	
		erosion hazard zones. The administrator is hereby	showing the boundaries of all known channel	
		authorized to adopt administrative rules to establish the	migration and erosion hazard zones. The	
		process and criteria for designating and classifying	administrator is hereby authorized to adopt	
		channel migration and erosion hazard zones. An	administrative rules to establish the process	
		applicant for a development permit may submit a report	and criteria for designating and classifying	
		by a qualified professional engineer in support of a	channel migration and erosion hazard zones.	
		determination of the boundaries or classification of	An applicant for a development permit may	
		channel migration and/or erosion hazard areas on a	submit a report by a qualified professional	
		specific property if there is a discrepancy between the	engineer in support of a determination of the	
		approved channel migration zone or erosion hazard map	boundaries or classification of channel	
		and site-specific conditions or data, or for unmapped	migration and/or erosion hazard areas on a	
		potential channel migration zones or erosion hazard	specific property if there is a discrepancy	
		areas.	between the approved channel migration zone	
			or erosion hazard map and site-specific	
			conditions or data, or for unmapped potential	
			channel migration zones or erosion hazard	
			areas. It is a goal of the city of Snoqualmie to	
			retain and restore channel migration zones as	
			practicable to restore riparian functions in	
			applicable areas over time.	
19	SMC 19.12.160(A)5	5. Type C (Conveyance). As defined by the city of	Type C stream class deleted because it is not	⊠ Yes
		Snoqualmie, "Type C waters" are those natural open	consistent with WAC 222016-030.	□ No
		ephemeral drainage courses (including where bridged,		

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Item	SMC	Existing Code	New Regulation/Code	Complete
		piped or culverted) that are not Type S, F, Np or Ns waters, which contain flow only during or immediately after periods of precipitation, and which flow generally less than 30 days per year.		
20	SMC 19.12.170.E	E. Impacts to Wetlands Less Than 1,000 Square Feet. The following wetlands are exempt from the buffer provisions contained in this chapter and the normal mitigation sequencing process in SMC 19.12.090. They may be filled if impacts are fully mitigated based on provisions in this chapter. If available, impacts should be mitigated through the purchase of credits from a mitigation bank, consistent with the terms and conditions of the program or bank. iln order to verify the following conditions, a critical area report for wetlands meeting the requirements in SMC 19.12.180 must be submitted.  1. All isolated Category III and IV wetlands less than 1,000 square feet that:  a. The wetland is not associated with a riparian corridor; b. The wetland is not associated with other wetlands through surface or groundwater connections; c. The wetland does not contain habitat identified as essential for local populations of species identified by the Washington Department of Fish and Wildlife as priority species; d. Compensatory flood storage for the proposed alteration has been provided within city limits with the equivalent to the amount of flood storage removed from the wetland; and	This exemption deleted because its inconsistent with Best Available Science.	⊠ Yes □ No

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## City of Snoqualmie Best Available Science Code Updates / Crosswalk (Draft)

Item	SMC	Existing Code	New Regulation/Code	Complete
		e. If located in the city's 100-year floodplain, the		
		proposal is consistent with the requirements of Chapter		
		15.12 SMC, Flood Hazard Regulations.		
21	SMC 15.12 (Flood	Multiple references in SMC 15.12 to one foot of	Three feet of freeboard.	⊠ Yes
	hazard Regulations)	freeboard (minimum requirement by FEMA)		□ No

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