

Department of Fish and Wildlife, Region 4

Region 4 information: 16018 Mill Creek Blvd, Mill Creek, WA 98012 | phone: (425)-775-1311

October 15, 2025

City of Sumas Carson Cortez, City Planner Sumas City Hall 433 Cherry Street Sumas, WA 98295

RE: Submittal ID 2025-S-9790, WDFW's comments on the City of Sumas Comprehensive Plan Update

Dear Mr. Cortez

On behalf of the Washington Department of Fish and Wildlife (WDFW), thank you for the opportunity to comment on the Sumas draft Comprehensive Plan as part of the current periodic update. Within the State of Washington's land use decision-making framework, WDFW is considered a technical advisor for the habitat needs of fish and wildlife and routinely provides input into the implications of land use decisions.

We provide these comments and recommendations in keeping with our legislative mandate to preserve, protect, and perpetuate fish and wildlife and their habitats for the benefit of future generations – a mission we can only accomplish in partnership with local jurisdictions.

Table 1. Recommended changes to proposed policy language.

Policy Number	Policy Language (with WDFW suggestions in red)	WDFW Comment
	Land Use	Element
Page 3-5	In urban environments, buffers	This level of detail may be best suited for
	range in size from 10 to over 100	regulations instead of Comprehensive Plan policies
	feet. In the conservancy	and goals. Additionally, see WDFW's comments for
	environment, an upland buffer of	the Critical Area Ordinance (CAO). According to
	100 feet applies. For both stream	WDFW's Best Available Science (BAS), stream
	and wetland buffers, the codes	buffers must be at least 100 feet wide and fully

	allow averaging of buffer widths and also allow reductions in buffer widths if landowners develop enhanced buffers.	vegetated at a minimum to effectively filter pollutants before they reach waterways.
Page 3-6	3.3 Natural System Protection Areas Above-ground structures should be prohibited within NSPAs, including parking and impervious surfaces. Underground structures should be allowed when such structures do not significantly impact habitat quality.	WDFW recommends incorporating the 'Natural Systems Protection Areas (NSPAs)' designation directly into the CAO. Protective standards for NSPAs should be codified within the ordinance itself, as policies do not carry the same legal authority or enforceability as adopted regulations. Consistency between the Comprehensive Plan and the CAO is also important to align these planning tools and to avoid conflict. Additionally, we recommend removing the word 'significantly' in the adjacent paragraph. No activity can impact critical areas unless no net loss of ecosystem function and value standards are met via the mitigation sequence (WAC 365-196-
Page 3-6	accomplished through regulatory incentives, including reductions in mandatory buffers when buffer quality is enhanced.	R30, WAC 365-190-080, WAC 197-11-768). This level of detail may be best suited for regulations instead of Comprehensive Plan policies and goals. Additionally, as stated within our comments for the CAO, WDFW does not recommend buffer reductions or averaging for riparian management zones (RMZs or stream buffers). To our knowledge, there is no scientific evidence supporting the idea that reducing a riparian buffer in one area while expanding it elsewhere achieves no net loss of ecological functions and values. WDFW's Riparian Ecosystems, Volume 1: Science Synthesis and Management Implications (2020) shows that riparian buffer widths are established on the specific ecological functions they are intended to support, which are directly tied to the width, continuity, and quality of vegetation. Any reduction to any part of the RMZ results in a direct loss of habitat functions. However, if averaging is limited to areas that no longer provide ecological function, such as existing pavement or previously developed portions of the site, then this provision may be more consistent with no net loss standards. Restoration should be encouraged as part of on-site development, but it should not be tied exclusively to actions that reduce or encroach upon critical areas, as this approach gradually diminishes their extent and ecological function over time.

Page 3-6	In order to provide the science- based data needed to identify the existing value of habitat and the potential for habitat enhancement, Sumas commissioned two studies. DEA assessed the fish habitat value of local streams, and Bexar Consulting updated the city's wetland inventory.	We recommend planning for an update to the fish habitat study, as it appears the study mentioned here was conducted in 1998.
Page 3-7	Designated NSPAs are shown on Map 5. The following site-specific discussion is linked to the numbered areas on that map:	We recommend requiring restoration of critical areas on these parcels as a condition of development, rather than allowing mitigation to serve as compensation for new project impacts. Intensive development adjacent to critical areas frequently results in degraded ecosystem functions and values due to increased impervious surfaces, stormwater runoff, and other edge effects. Protections should not be reduced solely to create an opportunity for restoration; instead, restoration should be pursued proactively to enhance existing ecological conditions while maintaining full protective standards.
Page 3-8	specifically identified for this requirement, the City does actively protect these sorts of spaces to preserve the beautiful scenery and ecosystem where Sumas is located.	When identifying green spaces, WDFW recommends that the City prioritize areas that connect wildlife habitat corridors and critical areas. As stated in WAC 365-196-335, "Each county or city planning under the [Growth Management] Act must identify open space corridors within and between urban growth areas. They must include lands useful for recreation, wildlife habitat, trails, and the connection of critical areas as defined in RCW 36.70A.030." Prioritizing acquisition and protection of areas that achieve multi-benefit outcomes often ensures more efficient use of public resources and advances multiple Comprehensive Plan goals simultaneously. Whatcom County has some of the most comprehensive wildlife habitat connectivity data, making this periodic update a critical opportunity to put that information into action. Data and resources include: - The Wildlife Habitat Connectivity in Whatcom County, Washington report and corresponding mapping data and webmap tool,

		 Page 72-82 of WDFW's <u>Washington</u> <u>Habitat Connectivity Action Plan</u> and mapping resource, and Integrating Wildlife Habitat Connectivity Into Local Government Planning guidance document.
Page 3-12	To remedy this, the City has expanded the boundaries of its UGA for the purpose of expanding Sumas City Limits to accommodate additional growth in the future.	Table 3-1 shows that multi-family residential uses currently occupy only 1% of the total UGA acreage Table 3-2 indicates that areas designated for highdensity and medium-density residential development account for 19% and 11.7% of the UGA, respectively. This discrepancy suggests that while the city has already designated substantial land for higher-density housing, very little of it has actually been developed — a problem that will not be resolved by expanding the UGA. Under RCW 36.70A.110 (3) urban growth should be located first in areas already characterized by urban growth that have adequate existing public facility and service capacities to serve such development, second in areas already characterized by urban growth that will be served adequately by a combination of both existing public facilities and services and any additional needed public facilities and services that are provided by either public or private sources, and third in the remaining portions of the urban growth areas. The area northeast and northwest of May Road proposed for inclusion in the UGA contains extensive wetlands and a stream corridor, both of which serve important flood storage and water quality functions. Directing new development into this area would likely create similar flooding challenges the city has recently experienced east of SR-9. Wetlands north of May Road absorb excess stormwater and filter pollutants; replacing them with impervious surfaces would eliminate these natural protections and increase the city's long-term flood risk. Developing wetlands in flood-prone areas effectively removes the natural systems that act as the landscape's most effective
Page 3-15	b. Triangular wedge between Kneuman Rd. and the Lynden rail spur.	flood sponges. Any redevelopment within this area could provide an opportunity to realign Sumas Creek through the

		NSPA to support habitat restoration and establish an improved buffer between the creek and the roadway, helping to restore ecological function and mitigate existing impacts. WDFW advises that any new roads or heavy-haul routes avoid the NSPA and consider both the environmental and long-term community benefits of restoring this area.
Page 3-15	c. Area west of B-N main line straddling West Front Street.	We suggest adding to this section that the area is located near Johnson Creek, an important tributary to the Sumas River. The site also appears to have a surface drainage connection between Johnson Creek and Bone Creek. This hydrologic connection should be carefully considered when planning for industrial zoning, as the area is mapped as potential rearing habitat under the GHPA referenced below.
Page 3-15	d. Area south of city limits.	Bone Creek runs through the northwest corner of the UGA annexation area and should be identified as potential rearing habitat. This feature may be important to note in this section to ensure its habitat functions are considered and protected during future development planning.
Page 3-18	d. Expansion Area west of city limits.	As noted in previous comments, expansion west of the city limits is not recommended due to environmental constraints, including the NSPA designations along Sumas Creek and the presence of high-quality rearing habitat for coho and other salmonid species in this area. Ideally, the City should focus on increasing densities within existing urban areas before considering any UGA expansion.
Page 3-19	Map 12 shows the expected locations of open space within the city and surrounding area.	As noted above and in WDFW's comments on the CAO update, we recommend incorporating wildlife habitat corridors into this map and coordinating their planning alongside open space and trail networks. An overlay designation may be suitable for this purpose. Fully planning jurisdictions must identify open space corridors within and between UGAs, lands for recreation, wildlife habitat, trails, and connecting critical areas. Jurisdictions should consider identifying open space corridors when reviewing and updating UGAs, CAOS, and the land

	T	use element of the comp plan during periodic
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Dog 2 2 21	Deline 2 4 1. The effect of evila	updates (<u>WAC 365-196-335</u>).
Page 3-21	high-density neighborhoods, prioritizing infill and redevelopment within existing urban areas to minimize the conversion of natural and agricultural lands. When directing higher-density growth, the City should consider flood risk and	We recommend incorporating policies that both direct growth toward lower-risk flooding areas and establish clear density targets, creating more actionable and effective growth management strategies.
D 2 22	other environmental constraints.	For the contract of the contra
Page 3-22	 Policy 3.7.1: The city should establish regulations to protect the functions and values of the natural environment, including wetlands, rivers, streams and other priority habitats. Policy 3.7.2: The city should develop and maintain parks and other recreational amenities to serve local residents. Policy 3.7.3: Incorporate wildlife habitat connectivity and critical area linkages into open space and trail planning to achieve multibenefit outcomes and efficient use of public resources. 	
	Capital Facilit	ties Element
General comment		We recommend allocating funding in the Capital Facilities Plan (or where most applicable) for stormwater retrofits and culvert upgrades, prioritizing multi-benefit projects that improve fish passage, enhance climate resilience by accommodating future high-flow conditions, and reduce pollutant runoff into natural waterways. By prioritizing projects with overlapping environmental and infrastructure benefits, the city may also be better positioned to leverage diverse funding sources for implementation. Other options include direct action via regulatory requirements. The city of Anacortes allocates utility funds to daylight local piped streams. Redmond's code, section 21.64.020, outlines "D. 6. The City may require that a stream be removed

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		from a culvert as a condition of approval, unless
	*	the culvert is not detrimental to fish habitat or
		water quality, or removal would be detrimental to
		fish or wildlife habitat or to water quality."
		Additionally, see <u>WDFW's climate-change-resilient</u>
		<u>culvert</u> webpage and <u>Incorporating Climate</u>
		Change into the Design of Water Crossing
		Structures: Final Project Report (2017) for
		resources on how to incorporate climate-resiliency
		into culvert design and avoid future flooding.
	Projects identified in the near-	Incorporating this policy ensures that public
	term Capital Improvement	investments deliver multiple long-term benefits by
	Program should prioritize	leveraging the natural functions of ecosystems.
	enhancing the ecosystem services	Wetlands, forests, and floodplains provide
	provided by natural assets—such	essential services such as flood mitigation,
	as wetlands, forests, and	stormwater filtration, carbon sequestration, and
	floodplains—that support water	habitat connectivity, often at lower cost and
	filtration, flood attenuation, and	greater durability than built infrastructure. Kitsap
Doliny suggestion	carbon storage.	County's Natural Resource Asset Management
Policy suggestion		Program (KNRAMP) employs a structured
		approach to manage its natural assets (such as
		forests, shorelines, and freshwater systems) by
		establishing Levels of Service (LOS) metrics. These
		LOS metrics serve as measures of quality,
		indicating how well natural assets are functioning
		and the extent of ecosystem services they provide.
		For more information, please see Kitsap County's
		story map.
	4.4.2	We recommend the city not delay adopting a more
	Establish new standards. According	comprehensive stormwater ordinance until "small-
	to the requirements of the Puget	town models" become available. Given Sumas's
	Sound Stormwater Plan, Sumas	history of severe flooding and the presence of
	must adopt a basic stormwater	multiple water bodies listed by Ecology for water
	program containing at least the	quality impairments, stronger stormwater
	following elements:	management standards are urgently needed to
		protect public safety, infrastructure, and
		downstream ecosystems. The city can reference
0 40	A more comprehensive ordinance	existing examples from other small jurisdictions
Page III I	should be adopted once	already implementing Puget Sound Stormwater
	appropriate small-town models	Plan requirements to ensure timely compliance
	become available.	and reduce future flood and pollution risks.
		Resources include <u>U.S. Environmental Protection</u>
		Agency - LID resources page as well as the Olympia
		water saver incentive programs, Puget Sound
		Green Stormwater Infrastructure Incentives
	*	Programs, Green Stormwater Infrastructure
		Assistance Programs Guidebook, the Rain Garden
		Handbook for Western Washington, the

		Sustainable Development Code <u>website</u> , and the <u>VISION 2050 Planning Resources Guidance on Integrating Stormwater Solutions into Comprehensive Plans.</u>
Page 15	4.8 Parks and Recreation	Is this meant to be within the Capital Facilities element or its own element?
Page 17	Typical planning standards call for 2.5 acres of community park and 1.5 acres of neighborhood park per 1,000 population.	Many jurisdictions use the ½-mile LOS standard in their comprehensive plans and park plans because it aligns with equity in access, walkability, and environmental justice frameworks. Setting this metric helps translate broad policy objectives into a clear, measurable, and actionable standard. See the Trust for Public Lands website, which strives to provide information and resources so that everyone can live within a 10-minute walk (about ½ mile on average) from a park. This is also incorporated within the Climate Resiliency element (Policy 9.5.3: Ensure that all community members have equitable access to green space within a half mile).
Page 20	Policy 4.4.4: Develop trails that link downtown with planned open spaces, including wetland mitigation areas, and areas identified for wildlife habitat corridor acquisition and planning.	As stated above, planning corridors and trails in accordance with the city's multiple needs is recommended.
Page 20	Policy 4.5.1: Ensure that adequate land for neighborhood parks is acquired through developer dedication when processing major new subdivisions.	We recommend establishing and maintaining connected natural open spaces across all housing types to support wildlife movement, protect ecological functions, and ensure equitable access to green space. While regulations often specify the amount of project area to be reserved as open space, we suggest the city go further by requiring new development to locate open space areas in ways that connect with adjacent open spaces. Standards should also prioritize siting open space where it provides the greatest environmental benefit, such as preserving large tree groves and maintaining habitat corridors.
Page 21	analysis, projects were placed into the following three groups corresponding to a conceptual	As mentioned above, we recommend combining these projects with wildlife habitat corridor planning. According to the Wildlife Habitat Connectivity map for Whatcom County, priority areas include the riparian corridors along the city's streams and rivers. These areas could be prioritized for protection and trail use

	require little capital investment. They are within the realm of possible development by the City acting alone. • Trails. Rights-of-way and easements already available to the City provide the skeleton upon which a trail system could be developed. Relying upon those easements, a proposed trail/sidewalk system is included on Map 12. The proposed facilities are discussed in priority order, based upon existing needs and feasibility of construction	
	Housing E	Element
Page 5-6	enough residential land to meet the projected housing need over the next 20 years.	While total land area is often used as a metric for housing capacity, it does not directly correlate to the number or diversity of housing units that can be built. Housing availability and affordability are determined primarily by zoning, development standards, and how efficiently land is utilized, particularly whether maximum zoning allowances are achieved. This distinction is important for areas with significant critical area constraints. Constrained sites tend to limit single-family subdivision potential, making them more compatible with middle-housing forms such as duplexes, townhomes, or small multifamily units that can fit within smaller buildable footprints. Expanding the Urban Growth Area or increasing total land area without addressing zoning and development patterns risks perpetuating low-density, singlefamily development, which does not advance affordable housing or overall housing capacity goals.
Policy suggestion	sustainable development by establishing incentive programs, such as expedited permit review, fee reductions, or technical assistance, to promote green building, energy efficiency, and	We encourage the city to address environmentally sustainable development by utilizing incentives to meet climate resiliency goals. See Shoreline's deep green incentive program which outlines how green development can participate in expedited review as well as fee waivers and/or reductions. The Sustainable Development Code website is also a great resource in outlining how to remove code

Policy suggestion	Address the need for flexibility within developmental regulations to address environmental protection standards by updating regulations to include: • Flexible subdivision design, such as cluster development or conservation subdivisions. • Flexibility in lot size and configuration, including on-site density transfers to accommodate habitat patches and corridors. • Modification of setbacks, where feasible, as a first option before encroaching into critical areas or their buffers.	barriers, create incentives, and fill regulatory gaps in pursuit of this policy's goals. See also the city of Issaquah and Bellevue's clean building incentive programs that aim to assist applicants in reaching energy efficiency standards. These suggestions come from WDFW's Landscape Planning for Washington's Wildlife, which outlines that all landscapes, from the human-dominated (e.g., urban) to the relatively undisturbed (e.g., managed forests), can contribute to maintaining ecological health, benefitting both people and wildlife.
	Transportation Goal 6.1: Provide transportation	The adjacent addition is crucial for Sumas as it
Page 6-1	systems that provide convenient, safe, and accessible access to employment, educational and recreational opportunities for citizens and visitors, and that provide for the movement of goods and services. Policy 6.1.8: Identify, establish, and maintain connected wildlife habitat corridors that facilitate safe wildlife movement and reduce the risk of wildlife-vehicle collisions.	balances rural character with increasing population density. As the city grows, the expansion of infrastructure risks fragmenting essential wildlife habitats, which can disrupt migration corridors, reduce biodiversity, and increase conflicts between wildlife and human activities. By explicitly including wildlife in this policy, Sumas can plan and maintain habitat corridors that prioritize wildlife connectivity. This focus not only protects local ecosystems but also enhances motorist safety by reducing the likelihood of wildlife-vehicle collisions, ultimately supporting a transportation network that meets the needs of people and wildlife alike. For resources, see comments for 'page 3-8, 3.4 Green Spaces and Community Forests' above and The Washington Wildlife Habitat Connectivity Working Group, WSDOT's Reducing the risk of wildlife collisions website as well as Wildlife Habitat Connectivity Consideration in Fish Barrier Removal

		Projects, Montana Fish, Wildlife, and Parks' How to
		Build Fence with Wildlife in Mind, and WDFW's
		website.
Page 6-2	Goal 6.2: Coordinate transportation planning and construction with neighboring jurisdictions and with the state. Policy 6.2.9: Work collaboratively with the Washington Department of Fish and Wildlife, counties, and adjacent cities to plan and implement wildlife habitat corridors that align with regional connectivity priorities and transportation planning efforts, promoting safe wildlife movement and reducing conflicts such as wildlife-vehicle collisions.	See resources above.
	Climate Change and	Resiliency Element
Page 9-13	Policy 9.6.2: Protect and restore riparian vegetation to reduce erosion, provide shade, and support other functions that improve the climate resilience of streams.	Within recent Critical Area Ordinances (CAOs) updates, we commonly see the phrasing, "The standard riparian management zone widths presume the area is vegetated with a native plant community for the ecoregion, consisting of an average of 80 percent native cover comprised of native trees, shrubs, and groundcover plants, and less than 10 percent cover of noxious weeds. If the existing buffer does not meet these standards, the buffer must either be enhanced by an approved mitigation plan or increased by 33 percent." This ensures that all projects taking place adjacent to riparian areas trigger restoration.
Page 9-13	Policy 9.6.4: Identify opportunities to expand habitat protection and improve habitat quality and connectivity to foster climate resilience using conservation area designations, buffers, and open space corridors.	Please see our comments for 3.4 Green Spaces and Community Forests. Whatcom County has some of the most comprehensive wildlife habitat connectivity data, making this periodic update a critical opportunity to put that information into action.
Page 9-13	Policy 9.6.5: Manage tree canopy and forests (including parks and open spaces) to decrease climate-exacerbated risks from severe wildfires, protect residents, and improve ecosystem health and habitat functions.	We recommend Sumas pursue a tree canopy assessment to form the baseline data for a tree canopy management plan (updated annually if possible) to assess trends, set goals, and measure progress toward those goals year-to-year. This plan should also measure how well the city's tree-related ordinances are functioning in retaining

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		trees on the landscape. It may not be enough to
	Suggested additional policy:	rely on ordinances if there is not a system in place
	The City shall conduct a tree	to track cumulative impacts over time.
	canopy assessment to establish	Resources:
	baseline conditions and provide	 See tree equity mapping data via
	the foundation for a tree canopy	treeequityscore.org.
	management plan to achieve long-	 Tree canopy data resources can be found
	term canopy goals.	via the <u>USDA website</u> , WDFW's <u>change</u>
		detection tree canopy data, the Puget
		Sound Washington Urban Canopy Project,
		and the WA <u>DNR website</u> .
		 See the Urban Tree Canopy Assessment
		website and how King County utilized this
		tool to assess conditions within their local
		jurisdictions.
		Example ordinances and plans can be
		found on the MRSC website.
		Discover the value of the benefits provided
		by individual trees around your home and
		in your community with the <u>National Tree</u>
		Benefit Calculator.
		See also the city of Everett's Tree Keeper
		website which displays the monetary
		benefit of their tree canopy.
		City of Tacoma is a great resource for
		exploring how tree canopy plans can
		become a community effort, how data can
		be presented, and how to track canopy
		loss/gain.
		 See also WDFW's <u>Habitat at Home</u>
		program, which encourages the protection
		of wildlife through purposeful vegetation
		planning.
	Policy 9.7.1: Incorporate	Please see W/DEW/s climate change resilient
		Please see WDFW's climate-change-resilient
Page 9-13		culvert webpage and Incorporating Climate
		Change into the Design of Water Crossing
	(i.e., climate-smart culverts and	Structures: Final Project Report for resources on
	bridges).	how to incorporate climate-resiliency into culvert
	Policy 0.0.7. Excilitate and suggestive	designs.
Page 9-14		To help plan hazard-related communication and
	long-term community visioning	outreach, refer to NOAA's template resources and
	1906	general information on their <u>website</u> to get the
	managed retreat from high-hazard	conversation started.
	areas.	

Additionally, we suggest utilizing the Sound Choices Checklist in further review of all Comprehensive Plan elements. This checklist utilizes broad priorities that are applicable to all jurisdictions.

Thank you for taking the time to consider our recommendations to better reflect the best available science for fish and wildlife habitats and ecosystems. We value the relationship we have with your jurisdiction and the opportunity to work collaboratively with you throughout this periodic update cycle. If you have any questions or need our technical assistance or resources at any time during this process, please don't hesitate to contact me or the Regional Land Use Lead, Morgan Krueger (morgan.krueger@dfw.wa.gov).

Sincerely,

Marcus Reaves, Regional Habitat Program Manager (Marcus.Reaves@dfw.wa.gov)

CC:

Kara Whittaker, Land Use Conservation and Policy Section Manager (Kara.Whittaker@dfw.wa.gov)
Marian Berejikian, Land Use Conservation and Policy Planner (Marian.Berejikian@dfw.wa.gov)
Elliot Winter, Assistant Regional Habitat Program Manager (Elliot.Winter@dfw.wa.gov)
Lizzi Lutes, Habitat Biologist (Lizzi.Lutes@dfw.wa.gov)
Region 4 Northern District planning inbox (R4NPlanning@dfw.wa.gov)
Lexine Long, WA Department of Commerce (Lexine.Long@commerce.wa.gov)